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### DIVISION 1 - GENERAL REQUIREMENTS

3/03	01000	GENERAL REQUIREMENTS	Evaluations for all Division 1 Sections.
R 11/02	01100	SUMMARY	Summary of the Work, Work phases, products ordered in advance, Owner-furnished products, use of premises, and work restrictions.
11/02	01125	SUMMARY OF MULTIPLE CONTRACTS	Responsibilities of each contract for the Work, coordination, and temporary facilities and controls.
11/02	01210	ALLOWANCES	Provisions for allowances.
11/02	01230	ALTERNATES	Provisions for alternates.
11/02	01250	CONTRACT MODIFICATION PROCEDURES	Procedural requirements for changing the Contract.
11/02	01270	UNIT PRICES	Provisions for unit prices.
11/02	01290	PAYMENT PROCEDURES	Administrative requirements for payment.
8/04	01310	PROJECT MANAGEMENT AND COORDINATION	Administrative requirements for project meetings and coordination.
11/02	01320	CONSTRUCTION PROGRESS DOCUMENTATION	Contractor's Construction Schedule, Submittals Schedule, and reports.
11/02	01322	PHOTOGRAPHIC DOCUMENTATION	Construction photographs and videotapes.
R 11/02	01330	SUBMITTAL PROCEDURES	Procedures for submitting Action, Informational, and Delegated-Design Submittals.
5/02	01351	SPECIAL PROCEDURES FOR HISTORIC TREATMENT	Storage, temporary protection, and procedures.
U 5/06	01352	LEED REQUIREMENTS	General requirements and procedures for LEED prerequisites and credits.
11/04	01353	SPECIAL PROJECT PROCEDURES FOR DETENTION FACILITIES	General requirements for detention work including responsibilities of a single-source detention specialist.
11/02	01400	QUALITY REQUIREMENTS	Quality-assurance and -control requirements and special inspections.
11/05	01420	REFERENCES	Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MASTERSPEC.
R 11/02	01500	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for support, security, and protection.
R 2/03	01524	CONSTRUCTION WASTE MANAGEMENT	Salvaging, recycling, and disposing of construction waste.
11/02	01600	PRODUCT REQUIREMENTS	Administrative and procedural requirements for product selection and handling, warranties, and product substitutions.
11/02	01700	EXECUTION REQUIREMENTS	Field engineering, progress cleaning, and general requirements for product installation.
R 11/02	01731	CUTTING AND PATCHING	Special procedures.
R 11/02	01732	SELECTIVE DEMOLITION	Demolition and removal of selected portions of buildings and site elements.
11/02	01770	CLOSEOUT PROCEDURES	Administrative and procedural requirements for Contract closeout.
11/02	01781	PROJECT RECORD DOCUMENTS	Record Drawings, Specifications, and Product Data.
11/02	01782	OPERATION AND MAINTENANCE DATA	Emergency, operation, and maintenance manuals for products and equipment.
12/05	01810	GENERAL COMMISSIONING REQUIREMENTS	Administrative requirements and procedures for commissioning all systems.
U 6/06	01815	COMMISSIONING OF HVAC	Administrative requirements and procedures for commissioning HVAC systems.
11/02	01820	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel.

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### DIVISION 2 - SITE CONSTRUCTION

6/04	02080	PIPED UTILITIES - BASIC MATERIALS AND METHODS	Basic piping materials and methods.	
12/01	02085	INTERCEPTORS	Grease, oil, and sediment interceptors for sewerage systems outside the building.	
5/04	02221	BUILDING DEMOLITION	Complete structure removal.	
11/01	02230	SITE CLEARING	Clearing and grubbing, and topsoil removal.	
11/01	02231	TREE PROTECTION AND TRIMMING	Extensive work.	
8/05	02240	DEWATERING	Construction dewatering and groundwater controls.	
8/05	02260	EXCAVATION SUPPORT AND PROTECTION	Soldier piles and lagging, sheet piling, and tiebacks.	
2/02	02300	EARTHWORK	Excavating, filling, and grading.	
5/02	02361	TERMITE CONTROL	Control by treatment of soil with termiticides, installation of bait stations to dispense termiticides, and installation of permanent metal mesh barriers.	
8/01	02455	DRIVEN PILES	Evaluations for Sections 02456, 02457, 02458, and 02459.	
8/01	02456	CONCRETE-FILLED STEEL PILES	Concrete-filled steel shell and steel pipe piles.	
8/01	02457	PRESTRESSED CONCRETE PILES	Solid and hollow, prestressed, precast concrete piles.	
8/01	02458	STEEL H PILES	Steel H-section piles and protective coatings.	
8/01	02459	TIMBER PILES	Preservative-treated round timber piles.	
8/05	02466	DRILLED PIERS	Dry-installed and slurry-displacement-installed types.	
3/04	02510	WATER DISTRIBUTION	Utility service, domestic, and fire-protection water.	
N	6/06	02515	FACILITY FIRE-SUPPRESSION WATER-SERVICE PIPING	Fire suppression piping and specialties outside the building.
3/04	02525	WATER SUPPLY WELLS	Drilled and driven wells and well pumps.	
12/01	02530	SANITARY SEWERAGE	Sanitary sewerage and underground structures outside the building.	
3/04	02532	PACKAGED SEWAGE PUMPING STATIONS	Pump, compressor, tank, and controls.	
12/02	02540	SEPTIC TANK SYSTEMS	Tank, distribution box, and drainage pipe.	
3/02	02551	HYDRONIC DISTRIBUTION	Underground piping outside the building.	
3/03	02552	GROUND-LOOP, HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.	
3/02	02555	STEAM DISTRIBUTION	Underground piping outside the building.	
12/03	02584	UNDERGROUND DUCTS AND UTILITY STRUCTURES	Manholes, handholes, and underground ducts.	
3/03	02620	SUBDRAINAGE	Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas.	
12/01	02630	STORM DRAINAGE	Gravity and forced storm piping and underground structures.	
11/02	02666	POND AND RESERVOIR LINERS	Geomembrane liners and covers.	
8/05	02741	ASPHALT PAVING	Paving, overlays, and surface treatments.	
2/02	02751	CEMENT CONCRETE PAVEMENT	General applications.	
5/02	02764	PAVEMENT JOINT SEALANTS	Sealants for concrete and asphalt pavement joints.	
8/02	02768	DECORATIVE CEMENT CONCRETE PAVEMENT	Surface-imprinted, stamped, stencil-patterned, or stained finish concrete pavement.	
8/03	02780	UNIT PAVERS	Brick, asphalt, concrete, and rough stone pavers.	
R	8/04	02781	POROUS UNIT PAVING	Concrete, grid-type and interlocking type with openings between units.
8/03	02791	PLAYGROUND SURFACE SYSTEMS	Impact-attenuating, protective surface systems designed for use under public playground equipment.	
12/05	02810	IRRIGATION SYSTEMS	Heads, pipes, and controls.	

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	8/02 02821	CHAIN-LINK FENCES AND GATES	Standard chain-link fencing systems.
	8/02 02822	HIGH-SECURITY CHAIN-LINK FENCES AND GATES	High-security chain-link fencing systems.
	8/05 02826	ORNAMENTAL METAL FENCES AND GATES	Manufactured and custom-designed types.
	8/05 02832	SEGMENTAL RETAINING WALLS	Dry-laid concrete masonry unit walls.
	2/04 02870	SITE FURNISHINGS	Seating, tables, bicycle racks and lockers, trash and ash receptacles, planters, and bollards for outdoor locations.
R	8/03 02881	PLAYGROUND EQUIPMENT AND STRUCTURES	Public playground equipment.
	2/06 02920	LAWNS AND GRASSES	Seeded, sodded, plugged, and sprigged turf and meadows; planting soils; pesticides; erosion-control materials; turf renovation; and grass paving.
	2/06 02930	EXTERIOR PLANTS	Plants, planting soils, pesticides, tree-stabilization materials, edgings, and tree grates.

### DIVISION 3 - CONCRETE

R	8/02 03300	CAST-IN-PLACE CONCRETE	General building and structural applications.
R	8/02 03301	CAST-IN-PLACE CONCRETE (LIMITED APPLICATIONS)	Limited applications for smaller projects.
R	8/02 03331	CAST-IN-PLACE ARCHITECTURAL CONCRETE	Specially formed, placed, and finished architectural concrete.
R	11/03 03371	SHOTCRETE	Pneumatically applied concrete, dry- or wet-mix.
R	11/02 03381	UNBONDED POST-TENSIONED CONCRETE	Post-tensioning reinforcement, encapsulated and non-encapsulated.
R	2/05 03410	PLANT-PRECAST STRUCTURAL CONCRETE	Conventional precast structural concrete units.
R	5/04 03450	ARCHITECTURAL PRECAST CONCRETE	Precast concrete cladding units, insulated units, and masonry-faced units.
R	8/02 03471	TILT-UP CONCRETE	Wall panels and insulated sandwich panels.
	5/01 03491	GLASS FIBER REINFORCED CONCRETE	Lightweight facing members.
	2/03 03511	CEMENTITIOUS WOOD-FIBER DECK	Monolithic, composite, and insulated composite units.
	5/03 03521	LIGHTWEIGHT INSULATING CONCRETE	Mineral-aggregate and foam types.
	5/02 03532	CONCRETE FLOOR TOPPING	High-strength special-aggregate concrete floor toppings.
	8/03 03542	HYDRAULIC-CEMENT-BASED UNDERLAYMENT	Self-leveling, hydraulic-cement-based underlayment.
	2/04 03930	CONCRETE REHABILITATION	Concrete patching, repair, reinforcing, sealing, and crack injection.

### DIVISION 4 - MASONRY

	11/02 04720	CAST STONE	Architectural features, facing, trim, and site accessories.
	8/02 04810	UNIT MASONRY ASSEMBLIES	General applications, walls, partitions.
R	8/03 04815	GLASS UNIT MASONRY ASSEMBLIES	Glass block installed with mortar and glass-block grid systems.
	2/04 04851	DIMENSION STONE CLADDING	Exterior stone panels.
	11/04 04860	STONE MASONRY	Stone laid in mortar.
	8/05 04900	MASONRY RESTORATION AND CLEANING	Evaluations for Sections 04901 and 04902.
	8/05 04901	CLAY MASONRY RESTORATION AND CLEANING	Historic and nonhistoric applications for brick and terra cotta.
	8/05 04902	STONE RESTORATION AND CLEANING	Historic and nonhistoric applications for stone.

### DIVISION 5 - METALS

R	2/01 05120	STRUCTURAL STEEL	Framing systems.
R	5/03 05210	STEEL JOISTS	Standard SJI units.
R	5/03 05310	STEEL DECK	Roof, floor, and composite types.
R	8/03 05400	COLD-FORMED METAL FRAMING	Load-bearing and exterior non-load-bearing wall studs; floor, ceiling, and roof joists; rafters and roof trusses.
R	2/02 05500	METAL FABRICATIONS	Iron and steel items (not sheet metal).

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R	2/02	05511	METAL STAIRS	Steel; with pan, plate, and grating treads.
R	2/02	05521	PIPE AND TUBE RAILINGS	Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing.
R	5/02	05530	GRATINGS	Metal and glass-fiber-reinforced plastic gratings.
	5/02	05700	ORNAMENTAL METAL	Custom fabrications from nonferrous and ferrous metals.
U	5/06	05715	FABRICATED SPIRAL STAIRS	Steel and aluminum units with center column and radiating treads.
	2/02	05721	ORNAMENTAL RAILINGS	Ornamental metal railings assembled from either standard or custom components and shapes. Also included are glass- and plastic-supported railings, and illuminated railings.
R	2/03	05730	ORNAMENTAL FORMED METAL	Custom sheet metal fabrications; no flashing.
	2/04	05811	ARCHITECTURAL JOINT SYSTEMS	For building interiors and exteriors and open-air structures.
	5/02	05910	HISTORIC TREATMENT OF ORNAMENTAL METAL	Preservation treatment of historic ornamental metal.
<b>DIVISION 6 - WOOD AND PLASTICS</b>				
R	11/03	06100	ROUGH CARPENTRY	Wood framing, furring, grounds, nailers, and blocking.
R	11/03	06105	MISCELLANEOUS CARPENTRY	Minor wood framing, furring, grounds, nailers, blocking, wood trim, and shelving.
	2/06	06108	EXTERIOR ROUGH CARPENTRY	Elevated decks and other exterior wood construction.
U	5/06	06130	HEAVY TIMBER CONSTRUCTION	Solid timber framing.
U	5/06	06150	WOOD DECKING	Solid and laminated T & G decking.
R	11/03	06160	SHEATHING	Roof and wall sheathing (including gypsum sheathing); subflooring, underlayment, and weather-resistive barriers.
R	11/03	06176	METAL-PLATE-CONNECTED WOOD TRUSSES	Metal-plate-connected members.
U	5/06	06185	STRUCTURAL GLUED-LAMINATED TIMBER	Glued-laminated structural framing.
	8/04	06200	FINISH CARPENTRY	Evaluations for 06201 and 06202.
R	8/04	06201	EXTERIOR FINISH CARPENTRY	Exposed and nonstructural.
R	8/04	06202	INTERIOR FINISH CARPENTRY	Exposed and nonstructural.
R	5/03	06401	EXTERIOR ARCHITECTURAL WOODWORK	Trim, door frames, shutters, and ornamental items.
R	5/03	06402	INTERIOR ARCHITECTURAL WOODWORK	Trim, cabinets, tops, paneling, stairs, and ornamental items.
R	8/04	06415	STONE COUNTERTOPS	Made from dimension stone slabs.
R	5/03	06420	PANELING	Board, flush wood, flush plastic-laminate, and stile and rail types.
U	5/06	06640	PLASTIC PANELING	Glass-fiber-reinforced plastic paneling.
<b>DIVISION 7 - THERMAL AND MOISTURE PROTECTION</b>				
R	11/04	07115	BITUMINOUS DAMPPROOFING	Hot- and cold-applied dampproofing.
	5/04	07131	SELF-ADHERING SHEET WATERPROOFING	Self-adhering modified bituminous and adhesive-coated HDPE sheet; drainage panels.
	5/04	07132	ELASTOMERIC SHEET WATERPROOFING	Butyl and EPDM sheet; drainage panels.
	5/04	07133	THERMOPLASTIC SHEET WATERPROOFING	PVC sheet; drainage panels.
	8/05	07141	COLD FLUID-APPLIED WATERPROOFING	Polyurethane, polyester, and latex-rubber types.
	11/05	07142	HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING	Hot, rubberized-asphalt waterproofing for plaza deck and below-grade walls.
	5/02	07160	CEMENTITIOUS AND REACTIVE WATERPROOFING	Evaluations for Sections 07161, 07162, and 07163.
	5/02	07161	MODIFIED CEMENT WATERPROOFING	Positive- and negative-side cementitious formulations.
	5/02	07162	CRYSTALLINE WATERPROOFING	Crystalline formulations.

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	5/02 07163	METAL-OXIDE WATERPROOFING	Iron-oxide and cement formulations.
	8/02 07170	BENTONITE WATERPROOFING	Colloidal clay systems.
R	8/04 07180	TRAFFIC COATINGS	Cold liquid-applied waterproof-barrier coatings.
	11/02 07190	WATER REPELLENTS	Clear and pigmented penetrating types and film-forming types.
R	8/03 07210	BUILDING INSULATION	General building insulation, excluding roofing insulation.
	5/05 07240	EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)	Evaluations for Sections 07241 and 07243.
R	5/05 07241	POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)	Composite flexible coating and inner layer of rigid, cellular thermal insulation.
R	5/05 07243	WATER- DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)	Composite flexible coating and inner layer of extruded-polystyrene board insulation with water drainage.
	8/04 07270	AIR BARRIERS	Evaluations for 07271 and 07272.
	8/04 07271	SELF-ADHERING SHEET AIR BARRIERS	Vapor-retarding, modified bituminous sheet type.
	8/04 07272	FLUID-APPLIED MEMBRANE AIR BARRIERS	Elastomeric, modified bituminous and synthetic polymer membranes; vapor retarding and vapor permeable types.
U	5/06 07311	ASPHALT SHINGLES	Glass-fiber and organic-felt reinforced asphalt shingles.
R	2/02 07313	METAL SHINGLES	For roofing and siding.
	5/01 07315	SLATE SHINGLES	Natural-slate roof shingles; flashing and accessories.
R	2/01 07317	WOOD SHINGLES AND SHAKES	Shingles and shakes for roofing and siding.
	5/01 07320	ROOF TILES	Evaluations for Sections 07321 and 07322.
R	5/01 07321	CLAY ROOF TILES	Clay tile roofing.
R	5/01 07322	CONCRETE ROOF TILES	Concrete tile roofing.
U	5/06 07411	METAL ROOF PANELS	Factory-formed lap-seam, standing-seam, batten-seam, horizontal-seam and foamed-insulation-core metal roof panels.
	2/06 07412	METAL WALL PANELS	Factory-formed, single-skin, face-fastened metal wall, liner, and soffit panels.
	2/06 07413	INSULATED-CORE METAL WALL PANELS	Factory-formed metal wall panels with foamed- and laminated-insulation cores and honeycomb cores.
	2/06 07414	METAL PLATE WALL PANELS	Factory-formed, aluminum- and copper-plate metal wall panels.
	2/06 07415	COMPOSITE WALL PANELS	Factory-formed, metal-faced composite wall panels with thin thermoplastic cores.
U	5/06 07460	SIDING	Aluminum, fiber-cement, and vinyl siding and soffit.
	2/00 07510	BUILT-UP BITUMINOUS ROOFING	Evaluations for Sections 07511 and 07512.
	2/00 07511	BUILT-UP ASPHALT ROOFING	Hot asphalt systems; insulation.
	2/00 07512	BUILT-UP COAL-TAR ROOFING	Hot coal-tar systems; insulation.
U	5/06 07530	ELASTOMERIC MEMBRANE ROOFING	Evaluations for Sections 07531 and 07532.
U	5/06 07531	ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING	Adhered, mechanically fastened, and loosely laid EPDM systems.
U	5/06 07532	CHLOROSULFONATE-POLYETHYLENE (CSPE) ROOFING	Adhered, mechanically fastened, and loosely laid CSPE systems.
R	2/00 07540	THERMOPLASTIC MEMBRANE ROOFING	Adhered, mechanically fastened, and loosely laid thermoplastic systems.
	5/00 07550	MODIFIED BITUMINOUS MEMBRANE ROOFING	Evaluations for Sections 07551, 07552, and 07553.
	5/00 07551	APP-MODIFIED BITUMINOUS MEMBRANE ROOFING	Atactic polypropylene roofing systems.
	5/00 07552	SBS-MODIFIED BITUMINOUS MEMBRANE ROOFING	Styrene-butadiene-styrene roofing systems.
	11/05 07561	FLUID-APPLIED PROTECTED MEMBRANE ROOFING	Ballasted, insulated, hot rubberized-asphalt protected roof membrane.

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R	2/05 07570	COATED FOAMED ROOFING	Sprayed foam roofing, elastomeric coated.
	11/00 07591	MEMBRANE REROOFING PREPARATION	Preparation for low-slope reroofing - tear-off and re-cover situations.
U	5/06 07610	SHEET METAL ROOFING	Custom-fabricated and on-site, roll-formed sheet metal roofing.
	11/05 07620	SHEET METAL FLASHING AND TRIM	Custom-fabricated roof and wall flashings and roof-drainage systems, and manufactured through-wall flashing and reglets.
	11/01 07710	MANUFACTURED ROOF SPECIALTIES	Standard products.
	11/03 07716	ROOF EXPANSION ASSEMBLIES	Factory-fabricated roof expansion joint covers.
	11/02 07720	ROOF ACCESSORIES	Roof curbs, equipment supports, roof hatches, heat and smoke vents, gravity ventilators, roof supports, and roof walkways.
	5/04 07811	SPRAYED FIRE-RESISTIVE MATERIALS	Concealed and exposed cementitious and sprayed fiber; exposed intumescent mastic.
	2/02 07821	BOARD FIRE PROTECTION	Mineral-fiber and calcium silicate boards.
	11/02 07841	THROUGH-PENETRATION FIRESTOP SYSTEMS	Through-penetration firestop systems.
	11/02 07842	FIRE-RESISTIVE JOINT SYSTEMS	For floor-to-floor, wall-to-wall, floor-to-wall, head-of-wall, and perimeter-floor-to-curtain-wall joints.
R	5/01 07920	JOINT SEALANTS	Elastomeric, nonelastomeric, and preformed sealants.
<b>DIVISION 8 - DOORS AND WINDOWS</b>			
	2/05 08110	STEEL DOORS AND FRAMES	Standard and custom hollow metal units.
	2/03 08125	INTERIOR ALUMINUM FRAMES	Frames for interior doors, sidelights, and transoms.
	8/02 08130	STAINLESS-STEEL DOORS AND FRAMES	Stainless-steel units of standard and nonstandard shapes and sizes.
	5/04 08161	SLIDING METAL FIRE DOORS	Composite, hollow-metal, and tubular frame types.
	8/02 08163	SLIDING ALUMINUM-FRAMED GLASS DOORS	For exterior and interior locations.
R	2/05 08211	FLUSH WOOD DOORS	Wood-veneer and plastic-laminate-faced units.
U	5/06 08212	STILE AND RAIL WOOD DOORS	Stock and custom units including fire-rated doors and frames.
R	2/01 08263	SLIDING WOOD-FRAMED GLASS DOORS	For exterior locations.
	2/04 08311	ACCESS DOORS AND FRAMES	Wall, ceiling, and floor units.
	11/04 08322	DETENTION DOORS AND FRAMES	Hollow-metal detention doors and frames, including swinging and sliding doors.
	2/06 08331	OVERHEAD COILING DOORS	Galvanized-steel, stainless-steel, and aluminum curtain assemblies.
	2/06 08334	OVERHEAD COILING GRILLES	Open-curtain and closed-curtain assemblies.
U	5/06 08343	ICU/CCU ENTRANCE DOORS	Manual sliding/swinging entrance assemblies primarily for individual special-care rooms.
	8/02 08346	SOUND-CONTROL DOOR ASSEMBLIES	Swinging steel and wood doors, steel frames, and sound-control seals.
	11/05 08351	FOLDING DOORS	Accordion and panel folding doors, metal bifold doors, bifold mirror doors, and fire-rated folding doors.
U	5/06 08361	SECTIONAL OVERHEAD DOORS	Manual and electric garage-type doors with steel, wood, aluminum, and translucent sections.
U	5/06 08411	ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS	Storefront framing, entrance doors, and hardware; and framing for window walls, ribbon walls, and punched openings.
	11/05 08450	ALL-GLASS ENTRANCES AND STOREFRONTS	All-glass entrance doors and hardware, sidelights, and storefronts.
	5/05 08460	AUTOMATIC ENTRANCE DOORS	Swinging, sliding, and folding units.

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	5/02 08470	REVOLVING ENTRANCE DOORS	Standard entrance units.
	2/02 08510	STEEL WINDOWS	Common stock and custom types.
	8/04 08515	WINDOWS	Evaluations for Sections 08520, 08550, and 08561.
	8/04 08520	ALUMINUM WINDOWS	Stock aluminum windows; most standard types.
R	8/04 08550	WOOD WINDOWS	Stock wood windows; most standard types.
	8/04 08561	VINYL WINDOWS	Stock vinyl windows; most standard types.
	11/05 08581	DETENTION WINDOWS	Windows for applications where persons are forcibly retained.
	11/05 08582	SECURITY WINDOWS	Vision and transaction windows that are forced-entry and ballistics resistant.
	5/02 08592	HISTORIC TREATMENT OF WOOD WINDOWS	Cleaning, repair, patching, and replacement of members and window units.
R	8/01 08610	ROOF WINDOWS	Wood, aluminum, and vinyl flat-glass units.
	8/05 08620	UNIT SKYLIGHTS	Standard factory-assembled units, with or without integral curbs.
R	2/03 08630	METAL-FRAMED SKYLIGHTS	Site-assembled aluminum-framed units.
	8/03 08710	DOOR HARDWARE	For specifying door hardware by using a schedule that names products or indicates BHMA designations.
	8/03 08712	DOOR HARDWARE (SCHEDULED BY DESCRIBING PRODUCTS)	For specifying door hardware by using a schedule that includes nonproprietary product descriptions.
	2/01 08716	AUTOMATIC DOOR OPERATORS	Low-energy power operators and low-energy power-open operators that meet accessibility requirements.
	2/06 08781	DETENTION DOOR HARDWARE	For swinging and sliding detention doors.
R	2/02 08800	GLAZING	General applications.
R	8/01 08801	SECURITY GLAZING	Glazing resistant to ballistic attacks, blunt and sharp-tool attacks, thermal stress, chemical threats, wind-borne debris, and airblasts.
	5/03 08816	DECORATIVE GLASS	Acid-etched, sandblasted, silk-screened, beveled, patterned, and laminated types.
R	8/02 08830	MIRRORS	Unframed units, wall mounted.
R	11/02 08840	PLASTIC GLAZING	Acrylic and polycarbonate glazing sheets.
U	5/06 08911	GLAZED ALUMINUM CURTAIN WALLS	Conventionally glazed aluminum curtain walls.
U	5/06 08912	STRUCTURAL-SEALANT-GLAZED CURTAIN WALLS	2- and 4-sided, structural-sealant-glazed curtain walls.
	2/03 08950	TRANSLUCENT WALL AND ROOF ASSEMBLIES	Evaluations for Sections 08951 and 08952.
R	2/03 08951	STRUCTURED-POLYCARBONATE-PANEL ASSEMBLIES	Aluminum-framed assemblies glazed with multiwalled (structured) polycarbonate panels.
R	2/03 08952	FIBERGLASS-SANDWICH-PANEL ASSEMBLIES	Assemblies incorporating fiberglass sandwich panels and aluminum frame systems.
U	5/06 08960	SLOPED GLAZING ASSEMBLIES	Standard and custom systems, mechanically or structural-sealant glazed.

## DIVISION 9 - FINISHES

R	2/04 09111	NON-LOAD-BEARING STEEL FRAMING	Steel framing for gypsum board partitions and ceilings, gypsum plaster, and Portland cement (stucco) plaster.
R	2/02 09210	GYPSUM PLASTER	On gypsum lath and metal lath, furring, and framing.
R	8/04 09215	GYPSUM VENEER PLASTERING	Applied on gypsum base panels, unit masonry, or monolithic concrete.
	2/02 09220	PORTLAND CEMENT PLASTER	Interior and exterior portland cement plaster (stucco); metal lath, furring, and framing.
R	2/04 09250	GYPSUM BOARD	Interior and exterior gypsum board and tile backing panels.

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R	8/04 09265	GYPSUM BOARD SHAFT-WALL ASSEMBLIES	Fire-resistance-rated vertical shaft and horizontal duct enclosures, including metal framing.
R	11/03 09271	GLASS-REINFORCED GYPSUM FABRICATIONS	Factory-molded units for interior use.
R	8/00 09310	CERAMIC TILE	Ceramic mosaic, quarry, paver, and wall tile.
R	11/02 09385	DIMENSION STONE TILE	Thin, modular, cut stone units.
	11/04 09400	TERRAZZO FLOORING	Evaluations for Sections 09401 and 09402.
R	11/04 09401	PORTLAND CEMENT TERRAZZO FLOORING	Poured-in-place portland cement terrazzo and rustic terrazzo flooring, and precast terrazzo units.
R	11/04 09402	RESINOUS MATRIX TERRAZZO FLOORING	Thin-set, epoxy-resin terrazzo flooring and precast terrazzo units.
R	5/04 09511	ACOUSTICAL PANEL CEILINGS	Mineral-base and glass-fiber-base panels with exposed suspension systems.
R	5/04 09512	ACOUSTICAL TILE CEILINGS	Mineral-base tile with concealed suspension systems.
R	11/04 09514	ACOUSTICAL METAL PAN CEILINGS	Lay-in, clip-in, snap-in, and torsion-spring-hinged acoustical metal pans with exposed or concealed suspension systems.
	11/04 09547	LINEAR METAL CEILINGS	Decorative, strip, linear metal ceilings.
R	11/04 09549	SECURITY CEILING SYSTEMS	Downward-locking-panel and security-plank systems.
	11/04 09580	SUSPENDED DECORATIVE GRIDS	Open-cell grid, plenum mask ceiling systems.
	8/03 09621	FLUID-APPLIED SPORTS FLOORING	Polyurethane flooring for athletic activity areas.
R	5/03 09622	RESILIENT SPORTS-FLOOR COVERINGS	Resilient floor coverings designed for sports-activity areas.
U	5/06 09629	CORK FLOORING	Cork tile, cork engineered tile, and cork rubber tile; cork floating floor system.
	2/03 09635	BRICK FLOORING	Interior applications only.
	2/03 09636	CHEMICAL-RESISTANT BRICK FLOORING	Chemical-resistant mortars, grouts, and brick.
R	11/04 09638	STONE FLOORING	Exterior and interior stone traffic surfaces.
R	5/03 09640	WOOD FLOORING	Solid- and engineered-wood flooring, field and factory-finished.
R	5/03 09642	WOOD SPORTS-FLOOR ASSEMBLIES	Maple flooring and shock-absorbing subfloor assemblies.
	5/05 09650	RESILIENT FLOORING	Evaluations for Sections 09651 and 09652.
R	5/05 09651	RESILIENT FLOOR TILE	Solid vinyl, rubber, vinyl composition, and resilient terrazzo floor tiles.
R	5/05 09652	RESILIENT SHEET FLOORING	Vinyl and rubber sheet floor coverings.
R	5/05 09653	RESILIENT WALL BASE AND ACCESSORIES	Resilient base, stair accessories, and molding accessories.
R	5/05 09654	LINOLEUM FLOOR COVERINGS	Linoleum tile and sheet flooring.
R	5/05 09661	STATIC-CONTROL RESILIENT FLOOR COVERINGS	Static-dissipative and static-conductive tile and sheet products.
R	11/01 09671	RESINOUS FLOORING	Self-leveling slurry and troweled or screeded mortar systems.
R	11/03 09680	CARPET	Tufted and woven commercial carpet and carpet cushion.
R	11/03 09681	CARPET TILE	Modular carpet tile for commercial applications.
U	5/06 09720	WALL COVERINGS	Vinyl, textile, and woven glass-fiber wall coverings, and wallpaper.
R	8/04 09751	INTERIOR STONE FACING	Dimension stone facings including trim.
R	8/03 09771	FABRIC-WRAPPED PANELS	Fabricated tackable or acoustical panels.
R	8/03 09772	STRETCHED-FABRIC WALL SYSTEMS	Site-upholstered ceiling and wall systems.

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R	8/03 09841	ACOUSTICAL WALL PANELS	Spline- and back-mounted units.
	2/04 09910	PAINTING	Evaluations for Sections 09911 and 09912.
	2/04 09911	EXTERIOR PAINTING	Exterior painting.
R	2/04 09912	INTERIOR PAINTING	Interior painting.
R	2/04 09931	WOOD STAINS AND TRANSPARENT FINISHES	For interior and exterior wood.
R	11/03 09945	MULTICOLOR INTERIOR COATINGS	Spray-applied multicolor speckled finishes.
R	11/03 09960	HIGH-PERFORMANCE COATINGS	Specialty coatings for use on exterior and interior substrates.
	5/01 09963	ELASTOMERIC COATINGS	Acrylic-based, elastomeric coatings for use over concrete, masonry, and stucco.
R	8/02 09967	INTUMESCENT PAINTS	Intumescent paint for combustible substrates.
R	11/03 09975	HIGH-TEMPERATURE-RESISTANT COATINGS	Coatings for use on steel substrates subject to high temperatures.
R	2/02 09981	CEMENTITIOUS COATINGS	Polymer-modified cementitious systems.
R	5/02 09992	PAINTING RESTORATION	Repainting existing surfaces to retain historic character of the building. Includes decorative finishes such as stenciling, marbling, and graining.
<b>DIVISION 10 - SPECIALTIES</b>			
U	5/06 10101	VISUAL DISPLAY SURFACES	Chalkboards, markerboards, tackboards, sliding units, conference units, and electronic markerboards.
U	5/06 10125	DISPLAY CASES	Illuminated and nonilluminated types.
R	5/01 10155	TOILET COMPARTMENTS	Metal, plastic laminate, phenolic-core, and solid-polymer types.
R	5/01 10180	STONE TOILET COMPARTMENTS	Granite and marble partitions and urinal screens.
	5/04 10191	CUBICLE CURTAINS AND TRACKS	Curtain and IV tracks; curtains for cubicles, dressing areas, and tub and shower enclosures.
	8/05 10200	LOUVERS AND VENTS	Fixed and adjustable louvers; wall vents.
R	5/02 10265	IMPACT-RESISTANT WALL PROTECTION	Protection for walls, corners, and door edges.
R	5/04 10270	ACCESS FLOORING	Modular floor panels and support systems.
	2/06 10350	FLAGPOLES	Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles.
	11/03 10405	BANNERS	Ornamental fabrics with applied graphics for interior and exterior use.
	5/01 10410	DIRECTORIES	Illuminated and nonilluminated types with changeable message strips or changeable letters.
	11/04 10431	SIGNAGE	Exterior and interior signs, letters, and plaques attached to building.
	11/04 10436	POST AND PANEL/PYLON SIGNAGE	Freestanding post and panel signs, and pylon signs.
U	5/06 10505	METAL LOCKERS	Standard, heavy-duty, athletic, open-front athletic, and coin-operated types.
U	5/06 10506	WOOD LOCKERS	Wood- and plastic-laminate-faced types.
	5/05 10520	FIRE PROTECTION SPECIALTIES	Evaluations for Sections 10522 and 10523.
	5/05 10522	FIRE EXTINGUISHER CABINETS	Fire-protection cabinets and security fire-protection cabinets.
R	5/05 10523	FIRE EXTINGUISHERS	Portable and wheeled fire extinguishers.
	2/04 10531	AWNINGS	Fixed and retractable awnings.
	2/06 10550	POSTAL SPECIALTIES	Mail receptacles, cluster box units, neighborhood delivery and collection box units, parcel lockers, collection boxes, data distribution boxes, and mail chutes.

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	11/05 10605	WIRE MESH PARTITIONS	Standard- and heavy-duty partitions, ceilings, storage lockers, railing insert panels, and equipment barriers.
	2/04 10615	DEMOUNTABLE PARTITIONS	Reusable, demountable site-assembled partitions or factory-assembled, demountable unitized-panel partitions with doors and glazing frames.
R	2/05 10651	OPERABLE PANEL PARTITIONS	Manually and electrically operated partitions; acoustical, fire rated, and glazed panels.
R	5/03 10655	ACCORDION FOLDING PARTITIONS	Acoustically rated, manually and electrically operated, accordion folding partitions, fire rated 1 hour.
	11/00 10671	METAL STORAGE SHELVING	Freestanding end-panel-support, post-and-shelf, and post-and-beam types.
R	2/04 10750	TELEPHONE SPECIALTIES	Telephone enclosures and directory storage units.
	2/03 10801	TOILET AND BATH ACCESSORIES	Standard commercial, institutional, and residential units.
U	5/06 10812	DETENTION TOILET ACCESSORIES	Safety hooks, shelves, combination shelves with safety hooks, and stainless-steel mirrors.

### DIVISION 11 - EQUIPMENT

	6/05 11005	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.
	11/05 11024	VAULT DOORS AND DAY GATES	Vault and file-room doors and gates for protecting records from fire.
	8/04 11054	LIBRARY STACK SYSTEMS	Steel bracket, steel four-post, steel tube, steel case, and wood case shelving.
R	2/03 11062	FOLDING AND PORTABLE STAGES	Portable stages, risers, and acoustical shells.
	2/03 11063	STAGE CURTAINS	Curtain fabrics and tracks.
	11/05 11132	PROJECTION SCREENS	Front and rear projection screens.
	2/06 11150	PARKING CONTROL EQUIPMENT	Automatic barrier gates, vehicle detectors, traffic controllers, ticket dispensers, access control units, central pay stations, fee computers, and entry and exit equipment.
	2/06 11160	LOADING DOCK EQUIPMENT	Dock bumpers, levelers, lifts, seals, shelters; truck restraints, light communication systems, and transparent-strip door curtains.
	8/03 11172	WASTE COMPACTORS	Commercial, wet- or dry-waste compactor units.
U	5/06 11192	DETENTION ENCLOSURES	Bar-grille and woven-rod-mesh assemblies, and security grilles and vents.
U	5/06 11193	DETENTION FURNITURE	Steel lockers, cabinets, and furniture.
	8/02 11400	FOODSERVICE EQUIPMENT	Commercial foodservice equipment.
R	2/03 11451	RESIDENTIAL APPLIANCES	Kitchen and laundry appliances.
R	8/01 11460	UNIT KITCHENS	Standard metal and plastic-laminate types.
R	5/05 11491	GYMNASIUM EQUIPMENT	Indoor badminton, basketball, volleyball, and exercise equipment, and safety pads.
	5/05 11492	GYMNASIUM DIVIDERS	Gymnasium divider curtains.
	11/05 11610	LABORATORY FUME HOODS	Hoods, hood stands, and work tops for general laboratories.

### DIVISION 12 - FURNISHINGS

R	2/05 12355	INSTITUTIONAL CASEWORK	Manufactured wood- and plastic-faced units and countertops.
R	2/03 12356	RESIDENTIAL CASEWORK	Manufactured cabinets and countertops.
R	5/05 12360	LABORATORY CASEWORK	Metal, wood, and plastic laminate units.
	8/05 12365	HEALTHCARE CASEWORK	Stainless- and enameled-steel units including countertops, sinks, and accessories.

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R	5/04 12484	FLOOR MATS AND FRAMES	Recessed and surface-applied flexible floor mats and frames.
R	5/04 12485	FOOT GRILLES	Rigid treads with various surfaces; recessed metal frames.
	11/03 12491	HORIZONTAL LOUVER BLINDS	Manually operated and motorized horizontal louver blinds.
	11/03 12492	VERTICAL LOUVER BLINDS	Manually operated and motorized vertical louver blinds.
	2/04 12494	ROLLER SHADES	Manually operated and motorized roller shades.
	2/04 12495	PLEATED SHADES	Manually operated and motorized Z-pleated and cellular shades.
	8/03 12497	DRAPERIES AND TRACKS	Draperies and manually operated and motorized drapery tracks.
R	11/04 12610	FIXED AUDIENCE SEATING	Upholstered and unupholstered interior assembly space seating.
R	2/03 12660	TELESCOPING STANDS	Standard systems; manual, motorized.
	2/03 12800	INTERIOR PLANTS AND PLANTERS	Plants, trees, and vines for interior spaces.
<b>DIVISION 13 - SPECIAL CONSTRUCTION</b>			
R	2/04 13038	SAUNAS	Modular and precut saunas, with heaters and accessories.
	8/01 13041	MODULAR VAULTS	Factory-formed and field-assembled modular vault panels and vault doors.
	5/01 13090	RADIATION PROTECTION	Medical x-ray and neutron protection.
	12/02 13100	LIGHTNING PROTECTION	Protection for buildings and site components.
	12/02 13110	CATHODIC PROTECTION	Passive protection for steel and iron pipes and tanks.
	8/02 13125	METAL BUILDING SYSTEMS	Systems consisting of structural framing, roofing and siding panels, and standard components.
U	5/06 13129	PREFABRICATED CONTROL BOOTHS	Freestanding, prefabricated steel and aluminum control booths.
	6/04 13210	ELEVATED WATER-STORAGE TANKS	Above-ground water storage.
	6/04 13220	SURFACE WATER-STORAGE TANKS	Surface-mounted water storage.
	3/03 13710	PERIMETER SECURITY	Detection devices, controls, and alarms on the site perimeter.
	3/03 13720	INTRUSION DETECTION	Detection devices, controls, and alarms.
	9/02 13730	SECURITY ACCESS	Computer controlled, with interface to other facility management systems.
	3/02 13760	VIDEO SURVEILLANCE	Cameras, monitors, and control equipment.
	6/01 13810	CLOCK AND PROGRAM CONTROL	Electronic, with master control, analog and digital clocks, and signals.
	9/04 13832	PLC ELECTRONIC DETENTION MONITORING AND CONTROL SYSTEMS	Monitoring and control of doors, gates, and related items for detention facilities.
R	9/03 13845	LIGHTING CONTROLS	Wired, programmable and manual lighting controls.
	9/05 13852	DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM	Systems with addressable initiating devices and conventional or addressable notification appliances.
	9/05 13853	ZONED (DC LOOP) FIRE-ALARM SYSTEM	Small systems for buildings relying on zoned fire-alarm concept.
	3/01 13920	FIRE PUMPS	Evaluations for Sections 13921, 13922, 13926, and 13927.
	3/01 13921	ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS	End-suction and in-line, centrifugal, split case.
	3/01 13922	DIESEL-DRIVE, CENTRIFUGAL FIRE PUMPS	End-suction, centrifugal, split case.
	3/01 13926	ELECTRIC-DRIVE, VERTICAL-TURBINE FIRE PUMPS	Vertical-turbine pumps, controllers, and accessories.

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	3/01	13927	DIESEL-DRIVE, VERTICAL-TURBINE FIRE PUMPS	Vertical-turbine pumps, controllers, and accessories.
N	6/06	13930	WET-PIPE FIRE-SUPPRESSION SPRINKLERS	Piping, specialties, valves, and sprinklers for wet-pipe sprinkler systems.
N	6/06	13935	DRY-PIPE FIRE-SUPPRESSION SPRINKLERS	Piping, specialties, valves, and sprinklers for dry-pipe and preaction sprinkler systems.
	9/02	13955	FOAM FIRE EXTINGUISHING	Fixed, low-expansion, AFFF systems for flammable-liquid fires.
R	9/02	13967	CLEAN-AGENT EXTINGUISHING SYSTEMS	Substitute for Halon 1301 systems.
N	6/06	13974	FIRE-SUPPRESSION STANDPIPES	Piping, specialties, valves, hose valves, and hose stations.
<b>DIVISION 14 - CONVEYING SYSTEMS</b>				
R	5/04	14100	DUMBWAITERS	Preengineered, hand and power operated.
R	5/04	14210	ELECTRIC TRACTION ELEVATORS	Passenger and service elevators, traction drive, including machine-room-less type.
	5/04	14215	ELECTRIC TRACTION FREIGHT ELEVATORS	Freight elevators, traction drive, including machine-room-less type.
R	5/04	14240	HYDRAULIC ELEVATORS	Passenger and service elevators, direct hydraulic and roped hydraulic units.
	5/04	14245	HYDRAULIC FREIGHT ELEVATORS	Freight elevators, direct hydraulic and roped hydraulic units.
R	8/04	14260	LIMITED-USE/LIMITED-APPLICATION ELEVATORS	Preengineered hydraulic and roped-hydraulic units.
	5/04	14310	ESCALATORS	Standard preengineered, high-traffic, and exterior units.
	5/04	14320	MOVING WALKS	Horizontal or inclined pallet- or belt-type units.
	8/05	14420	WHEELCHAIR LIFTS	Vertical and inclined types; and stairway chairlifts.
	2/03	14560	CHUTES	Chutes for trash and laundry.
<b>DIVISION 15 - MECHANICAL</b>				
	6/05	15051	COMMON WORK RESULTS FOR FIRE SUPPRESSION	Common piping and equipment, materials, and installations.
	6/05	15052	COMMON WORK RESULTS FOR PLUMBING	Common piping and equipment, materials, and installations.
	6/05	15053	COMMON WORK RESULTS FOR HVAC	Common piping and equipment, materials, and installations.
	6/05	15056	COMMON MOTOR REQUIREMENTS FOR FIRE SUPPRESSION EQUIPMENT	Universal default values for small and medium, ac motors.
	6/05	15057	COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT	Universal default values for small and medium, ac motors.
	6/05	15058	COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT	Universal default values for small and medium, ac motors.
	6/05	15061	HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT	Single and multiple hangers, framing systems, and stands and supports.
	6/05	15062	HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT	Single and multiple hangers, framing systems, and stands and supports.
	12/04	15072	VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
	12/04	15073	VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
	12/04	15074	VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT	Vibration isolation devices and seismic restraints.
	6/05	15076	IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT	Labels, stencils, and tags.
	6/05	15077	IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT	Labels, stencils, and tags.
R	3/05	15081	FIRE-SUPPRESSION SYSTEMS INSULATION	Equipment and pipe insulation.

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R	3/05	15082	PLUMBING INSULATION	Equipment and pipe insulation.
R	3/05	15083	HVAC INSULATION	Duct, equipment, and pipe insulation.
	9/05	15111	GENERAL-DUTY VALVES FOR PLUMBING PIPING	Gate, globe, check, butterfly, & ball valves common to multiple systems.
	9/05	15112	GENERAL-DUTY VALVES FOR HVAC PIPING	Gate, globe, check, butterfly, & ball valves common to multiple systems.
	3/05	15123	EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING	Expansion joints and loops.
	3/05	15124	EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING	Expansion joints and loops.
	3/05	15126	METERS AND GAGES FOR PLUMBING PIPING	Temperature, pressure, and flow.
	3/05	15127	METERS AND GAGES FOR HVAC PIPING	Temperature, pressure, and flow.
U	6/06	15140	DOMESTIC WATER PIPING	Potable-water distribution within the building.
	12/03	15145	DOMESTIC WATER PIPING SPECIALTIES	Specialties, valves, and fittings for domestic water piping.
R	12/02	15150	SANITARY WASTE AND VENT PIPING	Soil, waste, and vent piping within the building.
	6/05	15155	SANITARY WASTE PIPING SPECIALTIES	Floor, trench, and channel drains; interceptors; and piping specialties.
R	12/02	15160	STORM DRAINAGE PIPING	Stormwater piping within the building.
	6/05	15165	STORM DRAINAGE PIPING SPECIALTIES	Storm drains, roof drains, catch basins, and piping specialties.
R	6/04	15181	HYDRONIC PIPING	Hot-, chilled-, and condenser-water piping.
	6/04	15182	STEAM AND CONDENSATE PIPING	LP and HP piping and specialties.
	6/04	15183	REFRIGERANT PIPING	Piping, specialties, and refrigerant.
	6/02	15185	HYDRONIC PUMPS	Base mounted and inline; close coupled and separately coupled.
	6/02	15186	STEAM CONDENSATE PUMPS	Electric-driven and pressure-powered; single and duplex pumps with receivers.
	3/04	15189	HVAC WATER TREATMENT	Steam boiler feedwater and hot-, chilled-, and condenser-water treatment.
	3/05	15192	FACILITY FUEL-OIL PIPING	Transfer and storage equipment and piping.
	3/05	15195	FACILITY NATURAL-GAS PIPING	Natural gas piping and specialties.
	3/05	15196	FACILITY LIQUEFIED-PETROLEUM GAS PIPING	LP gas piping, specialties, and storage equipment.
	9/04	15211	GENERAL-SERVICE COMPRESSED-AIR PIPING	Nonmedical piping, equipment, and accessories.
	12/04	15214	COMPRESSED-AIR PIPING FOR LABORATORY AND HEALTHCARE FACILITIES	Piping for nonmedical laboratory air, medical air, dental air, instrument air, and medical laboratory air.
R	12/04	15215	VACUUM PIPING FOR LABORATORY AND HEALTHCARE FACILITIES	Piping for laboratory vacuum, medical surgical vacuum, waste anesthetic gas, dental vacuum, oral evacuation, and healthcare laboratory vacuum.
	12/04	15216	GAS PIPING FOR LABORATORY AND HEALTHCARE FACILITIES	Piping for CO <sub>2</sub> , helium, NO <sub>2</sub> , and O <sub>2</sub> .
R	3/02	15222	PROCESSED-WATER PIPING	Pipe, fittings, and specialties for deionized, distilled, and reverse osmosis water.
R	6/05	15223	CHEMICAL-WASTE SYSTEMS FOR LABORATORY AND HEALTHCARE FACILITIES	Single- and double-wall piping and specialties, neutralization tanks, and leak detection.
	3/05	15251	GENERAL-SERVICE PACKAGED AIR COMPRESSORS AND RECEIVERS	Nonmedical air compressors, filters, and dryers.
	3/05	15253	COMPRESSED-AIR EQUIPMENT FOR LABORATORY AND HEALTHCARE FACILITIES	Compressors, filters, and dryers.
	3/05	15254	VACUUM EQUIPMENT FOR LABORATORY AND HEALTHCARE FACILITIES	Vacuum pumps and oral evacuation equipment.
R	9/03	15410	PLUMBING FIXTURES	Fixtures, carriers, faucets, and trim.

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R	9/03	15411	MEDICAL PLUMBING FIXTURES	Plumbing fixtures for healthcare facilities.
	12/03	15412	EMERGENCY PLUMBING FIXTURES	Individual and combination emergency eyewash and shower units.
R	12/03	15413	SECURITY PLUMBING FIXTURES	Detention facility plumbing fixtures.
	9/03	15415	DRINKING FOUNTAINS AND WATER COOLERS	Electric water coolers and vitreous-china fountains.
	9/01	15441	DOMESTIC WATER PUMPS	In-line and end-suction pumps.
	9/01	15444	PACKAGED BOOSTER PUMPS	Water-pressure boosters.
	9/01	15445	SEWAGE PUMPS	Effluent pumps; automatic, packaged.
	9/01	15446	SUMP PUMPS	Simplex and duplex packaged units.
	6/02	15450	POTABLE-WATER STORAGE TANKS	Water storage; compression and diaphragm.
	6/02	15469	WATER SOFTENERS	Domestic and general use, not treatment.
	3/03	15471	WATER FILTRATION EQUIPMENT	Separators; and bag, cartridge, carbon, sand, and greensand filters.
R	12/02	15485	ELECTRIC WATER HEATERS	Household and commercial; tankless, instantaneous, and storage types.
R	12/02	15486	FUEL-FIRED WATER HEATERS	Household and commercial; gas and oil fired; instantaneous and storage types.
	12/02	15487	HEAT EXCHANGERS	Steam and hot-water heat exchangers; instantaneous and storage types.
	3/04	15510	HEATING BOILERS AND ACCESSORIES	Evaluations for Sections 15512, 15513, 15515, 15518, and 15519.
R	3/04	15512	CAST-IRON BOILERS	HW and steam; gas and oil fired.
R	3/04	15513	CONDENSING BOILERS	Packaged condensing boilers for small applications.
R	6/05	15515	WATER-TUBE BOILERS	HW and steam; gas and oil fired.
R	3/04	15518	FIRE-TUBE BOILERS	HW and steam; gas and oil fired.
	3/04	15519	ELECTRIC BOILERS	HW and steam; HP and LP.
	6/04	15520	FEEDWATER EQUIPMENT	Condensate and vacuum pumps and receivers.
	6/04	15525	DEAERATORS	Spray, packed column, and package tray.
R	12/04	15530	FURNACES	Gas-, electric-, and oil-fired furnaces.
R	6/04	15541	GAS-FIRED DUCT HEATERS	Gas- and oil-fired units.
R	6/04	15542	GAS-FIRED RADIANT HEATERS	Natural and LP gas units.
R	6/04	15543	FUEL-FIRED UNIT HEATERS	Gas- and oil-fired units.
	9/04	15550	BREECHINGS, CHIMNEYS, AND STACKS	Double-wall and refractory-lined breechings and stacks; fabricated breechings.
	9/04	15555	DRAFT CONTROL DEVICES	Induced-draft fans and barometric dampers.
R	12/01	15561	DIRECT-FIRED H&V UNITS	Gas-fired indoor and outdoor units.
R	12/01	15562	INDIRECT-FIRED H&V UNITS	Gas- and oil-fired indoor and outdoor units.
	9/00	15620	PACKAGED WATER CHILLERS	Evaluations for Sections 15621, 15622, 15625, and 15626.
U	6/06	15621	INDIRECT-FIRED ABSORPTION WATER CHILLERS	Steam and hot-water generated; one and two stage.
R	9/00	15622	DIRECT-FIRED ABSORPTION WATER CHILLERS	Natural gas, LP, and oil fired; water cooled; two stage.
U	6/06	15625	CENTRIFUGAL WATER CHILLERS	Hermetic and open; direct and gear drives; water and air cooled.
U	6/06	15626	ROTARY-SCREW WATER CHILLERS	Water-cooled, single- and multiple-compressor units; air-cooled indoor and outdoor units.
R	3/05	15627	RECIPROCATING WATER CHILLERS	Water and air cooled.
R	3/05	15629	SCROLL WATER CHILLERS	Water and air cooled.
	9/04	15635	REFRIGERANT DETECTION AND ALARM	Monitors, alarms, breathing apparatus, and ventilation equipment interlocks.

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R	6/05 15640	COOLING TOWERS	Factory-assembled, open- and closed-circuit, induced- and forced-draft, cross- and counter-flow towers.
R	12/00 15663	EVAPORATIVE CONDENSERS	Blow through and counterflow.
R	3/02 15671	CONDENSING UNITS	Air and water cooled.
R	3/02 15672	AIR-COOLED CONDENSERS	Remote forced-air, condenser, and fan units.
	3/03 15710	HYDRONIC AND STEAM HEAT EXCHANGERS	Steam to water and water to water; shell-and-tube and flat-plate types.
U	6/06 15725	MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS	Units consisting of fans, coils, dampers, filters, control devices, and accessories.
U	6/06 15731	PACKAGED TERMINAL AIR CONDITIONERS	Freestanding or through-the-wall; cooling only; heat pump; cooling plus hot-water heating, electric heating, and gas-fired heating.
R	12/04 15732	PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS	Packaged, rooftop HVAC.
R	9/01 15733	ROOFTOP REPLACEMENT-AIR UNITS	Makeup-air heating and cooling units.
U	6/06 15734	COMPUTER-ROOM AIR-CONDITIONERS	Floor- and ceiling-mounted console; water and air cooled; electric, hot-water, and steam heat.
R	6/05 15735	SELF-CONTAINED AIR-CONDITIONERS	Packaged cooling, heating, filters, and controls; cabinet suitable for exposed installations.
R	6/02 15738	SPLIT-SYSTEM AIR-CONDITIONING UNITS	Air-distribution equipment separate from refrigeration equipment; cabinet suitable for exposed installations.
R	3/03 15745	WATER-SOURCE HEAT PUMPS	Concealed horizontal and vertical units; vertical-stack, rooftop, exposed-console units; and unit ventilators.
R	12/03 15752	HUMIDIFIERS	Steam and evaporative types.
R	12/00 15755	DEHUMIDIFICATION UNITS	Heat wheels, heat pipes, and dessicant-type dehumidification equipment.
R	12/03 15761	AIR COILS	Water, steam, refrigerant, and electric heat-transfer coils.
R	6/05 15762	UNIT HEATERS	Cabinet and propeller unit heaters, and wall and ceiling heaters.
R	6/03 15763	FAN-COIL UNITS	Hot water, steam, and electric heating; chilled or DX cooling.
	9/03 15764	CONVECTION HEATING UNITS	Hot water, steam, and electric baseboard and finned-tube radiators and convectors.
R	6/03 15768	UNIT VENTILATORS	Hot water, steam, and electric heating; chilled or DX cooling.
	9/03 15769	RADIANT HEATING AND COOLING UNITS	Electric and hot water radiant heaters and heating and cooling panels.
	6/04 15772	RADIANT HEATING PIPING	Embedded pipe and fittings.
	6/05 15774	RADIANT-HEATING ELECTRIC CABLES	Electric cables for ceilings and floors, snow and ice melting, and freezer-floor frost prevention.
	6/05 15776	RADIANT-HEATING ELECTRIC PANELS	Factory-fabricated panels.
	6/05 15777	HEAT TRACING FOR FIRE-SUPPRESSION PIPING	Electric cables for freeze protection.
	6/05 15778	HEAT TRACING FOR PLUMBING PIPING	Electric cables for freeze protection and temperature maintenance.
	6/05 15779	HEAT TRACING FOR HVAC PIPING	Electric cables for freeze protection.
U	6/06 15785	AIR-TO-AIR ENERGY RECOVERY EQUIPMENT	Heat exchangers and packaged units.
U	6/06 15815	METAL DUCTS	Rectangular and round, single- and double-wall ducts, including hangers and supports.
U	6/06 15816	NONMETAL DUCTS	Fibrous-glass, PVC, and FRP ducts, hangers, and supports.
U	6/06 15817	HVAC CASINGS	Factory and field fabricated; single and double wall.

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U	6/06 15820	DUCT ACCESSORIES	Volume dampers, fire and smoke dampers, vanes, duct silencers, and hardware.
	9/02 15834	AIR CURTAINS	Fans over entrances with and without heating.
	9/03 15836	AXIAL FANS	Tubeaxial and vaneaxial fans.
	9/03 15837	CENTRIFUGAL FANS	BI & FC indoor type; tubular and in-line units.
	9/03 15838	POWER VENTILATORS	Roof, wall, and ceiling-mounting ventilators.
R	12/00 15840	AIR TERMINAL UNITS	Constant- and variable-volume units.
	3/06 15855	DIFFUSERS, REGISTERS, AND GRILLES	Round, rectangular, perforated, and linear diffusers; fixed and adjustable registers and grilles.
R	9/01 15856	INTAKE AND RELIEF VENTILATORS	Unpowered ventilators and louver penthouses.
	9/02 15861	AIR FILTERS	Disposable, extended surface, roll, activated carbon, HEPA, and electronic.
	9/04 15870	COMMERCIAL KITCHEN HOODS	Type I and Type II, Standard and Listed hoods.
	9/01 15890	AIR DUCT CLEANING	Cleaning ducts, plenums, and air outlets and inlets.
R	6/03 15900	HVAC INSTRUMENTATION AND CONTROLS	Electric, electronic, pneumatic, and DDC equipment and devices.
R	6/03 15940	SEQUENCE OF OPERATION	Control sequences for HVAC systems.
R	6/01 15950	TESTING, ADJUSTING, AND BALANCING	HVAC systems.
<b>DIVISION 16 - ELECTRICAL</b>			
	3/05 16051	COMMON WORK RESULTS FOR ELECTRICAL	Materials and methods common to multiple electrical systems.
	3/05 16052	COMMON WORK RESULTS FOR COMMUNICATIONS	Materials and methods common to multiple communication systems.
	3/05 16053	COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY	Materials and methods common to multiple electronic safety and security systems.
	6/04 16055	OVERCURRENT PROTECTIVE DEVICE COORDINATION	Fault-current and protective device coordination studies.
	9/03 16060	GROUNDING AND BONDING	Methods and materials for grounding systems and equipment.
	12/04 16073	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	Hangers, supports, and concrete bases.
	12/04 16074	VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS	Vibration isolation devices and seismic restraints.
	9/02 16075	ELECTRICAL IDENTIFICATION	Labels, markers, tags, ties, tape, bands, and signs.
	3/04 16120	CONDUCTORS AND CABLES	Electrical power distribution (600 V and less).
	3/04 16122	UNDERCARPET CABLES	Power and communication cables.
	3/06 16123	CONTROL-VOLTAGE ELECTRICAL POWER CABLES	UTP, optical fiber, and low-voltage control circuit conductors and cables.
	6/03 16124	MEDIUM-VOLTAGE CABLES	Cable, splices, and terminations.
	6/04 16130	RACEWAYS AND BOXES	Pull, junction, outlet, and cabinets.
	12/04 16138	UNDERFLOOR RACEWAYS FOR ELECTRICAL SYSTEMS	Ducts, boxes, fittings, and accessories.
	6/04 16139	CABLE TRAYS	Ladder, trough, solid-bottom, and channel types.
	6/04 16140	WIRING DEVICES	Switches, receptacles, lighting-control devices, and plates.
R	9/04 16145	LIGHTING CONTROL DEVICES	Time switches, photoelectric relays, occupancy sensors, and multipole lighting controls.
	9/02 16211	ELECTRICITY METERING	Energy and demand metering by utility or Owner.
R	12/03 16215	ELECTRICAL POWER MONITORING AND CONTROL	Remote and local monitoring, metering, and control of individual circuits.
	12/03 16231	PACKAGED ENGINE GENERATORS	Diesel- and gas-engine-driven types.
	9/02 16264	STATIC UNINTERRUPTIBLE POWER SUPPLY	Units rated 5 to 750 kVA for systems (600 V and less).

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	6/04 16265	CENTRAL BATTERY INVERTERS	AC & DC output types.
R	6/02 16269	VARIABLE FREQUENCY CONTROLLERS	Solid-state, pulse-width modulated.
	6/03 16271	MEDIUM-VOLTAGE TRANSFORMERS	Transformers (2.4 to 35 kV).
	9/02 16280	POWER FACTOR CORRECTION CAPACITORS	Capacitors for 600 V and less.
	9/02 16289	TRANSIENT VOLTAGE SUPPRESSION	TVSS for low-voltage power, control, and communication equipment.
	12/02 16315	OVERHEAD ELECTRICAL DISTRIBUTION	Medium and secondary voltage (up to 35 kV).
	12/02 16341	MEDIUM-VOLTAGE SWITCHGEAR	Metal-enclosed interrupter and metal-clad CB type switchgear (up to 34 kV class).
	6/03 16361	SECONDARY UNIT SUBSTATIONS	Indoor and outdoor units; with liquid-filled or dry-type transformers.
	3/06 16410	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	Fusible, nonfusible, receptacle, shunt trip, and molded-case switches; molded-case circuit breakers; enclosures.
	12/03 16415	TRANSFER SWITCHES	Automatic, nonautomatic, and bypass/isolation.
	6/02 16420	ENCLOSED CONTROLLERS	Manual, magnetic, and solid state.
	3/03 16430	SWITCHGEAR	Metal-enclosed, circuit-breaker type; 1000V and less.
	3/03 16435	PARALLELING SWITCHGEAR	Low-voltage type, 1000V and less; medium-voltage type, 5 to 15 kV; for multiple generator operation.
	12/05 16441	SWITCHBOARDS	Service and distribution switchboards, 600V and less.
	12/05 16442	PANELBOARDS	Distribution, branch circuit, and TVSS panel boards and load centers.
	6/02 16443	MOTOR-CONTROL CENTERS	Conventional, modular, freestanding (600 V).
	9/04 16450	ENCLOSED BUS ASSEMBLIES	Plug in & feeder (600 V or less).
	9/04 16461	LOW-VOLTAGE TRANSFORMERS	General purpose and specialty dry type.
	9/04 16470	POWER DISTRIBUTION UNITS	Voltage regulators, static electronic voltage regulators, and power distribution units.
	3/06 16491	FUSES	Cartridge type (600 V and less); plug type (125 V and less); fuse adapters; spare-fuse cabinet.
R	6/03 16511	INTERIOR LIGHTING	Normal and emergency lighting.
R	6/03 16521	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.
	6/03 16526	SPORTS LIGHTING	Outdoor lighting for sports fields.
	3/06 16555	STAGE LIGHTING	Dimmer racks; control console and devices; distribution components; lighting fixtures.
	12/04 16571	CENTRAL DIMMING CONTROLS	Control network and stations, dimmer cabinets, and dimmers.
	12/04 16572	MODULAR DIMMING CONTROLS	Manual modular and integrated, multipreset modular dimming controls.
	3/05 16714	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	Telecommunications mounting equipment, service pathways, and grounding.
	3/05 16716	COMMUNICATIONS BACKBONE CABLING	Pathways, cables, connecting hardware, and cable identification systems.
	3/05 16717	COMMUNICATIONS HORIZONTAL CABLING	Pathways, cables, MUTOAs, connecting hardware, and identification and administration systems.
	3/05 16718	CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY	Cables, connecting hardware, and identification systems.
	12/05 16722	INTERCOMMUNICATIONS AND PROGRAM SYSTEMS	Manually-switched and microprocessor-switched systems.
	12/05 16723	EDUCATIONAL INTERCOMMUNICATIONS AND PROGRAM SYSTEMS	Manually and microprocessor-switched systems.

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6/02	16725	NURSE CALL	Basic visual and audiovisual patient-nurse communication equipment.
12/05	16726	PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS	Equipment, cabling, and raceways.
6/02	16727	SOUND-MASKING EQUIPMENT	Equipment and accessories for acoustical privacy.
3/02	16785	MASTER ANTENNA TELEVISION SYSTEM	MATV with options for off-air antennas, CATV, or broadcast satellite service.

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