

# MASTERSPEC®

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### DIVISION 1 - GENERAL REQUIREMENTS

11/07	01000	GENERAL REQUIREMENTS	Evaluations: Role of Division 1 Sections, their preparation and coordination.
11/07	01100	SUMMARY	Summary of the Work, phased construction, purchase contracts, Owner-furnished products, access to site, and work restrictions.
11/07	01125	SUMMARY OF MULTIPLE CONTRACTS	Responsibilities of each contract for the Work, coordination, and temporary facilities and controls.
11/07	01210	ALLOWANCES	Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances.
11/07	01230	ALTERNATES	Provisions for change-of-scope and cost-comparison type alternates.
11/07	01250	CONTRACT MODIFICATION PROCEDURES	Procedural requirements for changes to the Contract.
11/07	01270	UNIT PRICES	Provisions for unit prices.
11/07	01290	PAYMENT PROCEDURES	Administrative requirements for Contractor's Applications for Payment.
11/07	01310	PROJECT MANAGEMENT AND COORDINATION	Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFIs; and project Web sites.
11/07	01320	CONSTRUCTION PROGRESS DOCUMENTATION	Contractor's Construction Schedule including Gantt charts and CPM schedules; Contractor's reports.
2/08	01322	PHOTOGRAPHIC DOCUMENTATION	Construction photographs, video recordings, and web-based photographic documentation.
11/07	01330	SUBMITTAL PROCEDURES	Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule.
11/07	01351	SPECIAL PROCEDURES FOR HISTORIC TREATMENT	General protection and treatment of historic spaces; historic removal and dismantling; and bird-excrement removal.
5/06	01352	LEED REQUIREMENTS	General requirements and procedures for LEED prerequisites and credits.
11/07	01400	QUALITY REQUIREMENTS	Quality-assurance and -control requirements, special tests and inspections, and Contractor's quality-control plan.
U 11/08	01420	REFERENCES	Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MASTERSPEC.
11/07	01500	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for construction support, security, and protection.
2/08	01524	CONSTRUCTION WASTE MANAGEMENT	Salvaging, recycling, and disposing of non-hazardous demolition and construction waste.
11/07	01600	PRODUCT REQUIREMENTS	Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products.
11/07	01635	SUBSTITUTION PROCEDURES	Procedural requirements for requests for substitutions during construction.
11/07	01700	EXECUTION REQUIREMENTS	General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning.
U 11/08	01732	SELECTIVE DEMOLITION	Demolition and removal of selected portions of buildings and site elements.
11/07	01770	CLOSEOUT PROCEDURES	Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning.
2/08	01781	PROJECT RECORD DOCUMENTS	Record record Drawings, Specifications, and Product Data.

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2/08	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.
2/08	01820	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance.

### DIVISION 2 - SITE CONSTRUCTION

6/04	02080	PIPED UTILITIES - BASIC MATERIALS AND METHODS	Basic piping materials and methods.
6/07	02085	INTERCEPTORS	Grease, oil, and sand interceptors for sewerage systems outside the building.
8/08	02221	BUILDING DEMOLITION	Complete structure removal.
5/07	02230	SITE CLEARING	Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities.
5/07	02231	TREE PROTECTION AND TRIMMING	Construction-phase tree and plant protection, trimming, and protection zone fencing.
8/05	02240	DEWATERING	Construction dewatering and groundwater controls.
8/05	02260	EXCAVATION SUPPORT AND PROTECTION	Soldier piles and lagging, sheet piling, and tiebacks.
5/07	02300	EARTHWORK	Excavating, filling and backfilling, compaction, and grading.
5/07	02361	TERMITE CONTROL	Control by treatment of soil with termiticides, installation of bait stations to dispense termiticides, and installation of permanent metal mesh barriers.
8/06	02455	DRIVEN PILES	Evaluations for Sections 02456, 02457, 02458, and 02459.
8/06	02456	CONCRETE-FILLED STEEL PILES	Driven concrete-filled steel shell and steel pipe piles.
8/06	02457	PRESTRESSED CONCRETE PILES	Driven precast prestressed concrete piles, solid and hollow.
8/06	02458	STEEL H PILES	Driven steel H-section piles.
8/06	02459	TIMBER PILES	Driven preservative-treated round timber piles.
8/05	02466	DRILLED PIERS	Dry-installed and slurry-displacement-installed types.
U 12/08	02510	WATER DISTRIBUTION	Utility service, domestic, and fire-protection water piping, specialties, and valves.
3/04	02525	WATER SUPPLY WELLS	Drilled and driven wells and well pumps.
6/07	02530	SANITARY SEWERAGE	Sanitary sewerage and underground structures outside the building.
3/04	02532	PACKAGED SEWAGE PUMPING STATIONS	Pump, compressor, tank, and controls.
6/08	02540	SEPTIC TANK SYSTEMS	Tank, distribution box, and drainage pipe.
3/03	02552	GROUND-LOOP, HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.
6/08	02584	UNDERGROUND DUCTS AND UTILITY STRUCTURES	Manholes, handholes, and underground ducts.
6/08	02620	SUBDRAINAGE	Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas.
6/07	02630	STORM DRAINAGE	Gravity and forced storm piping, underground structures, and specialties.
8/07	02666	POND AND RESERVOIR LINERS	Geomembrane liners and covers.
8/05	02741	ASPHALT PAVING	Paving, overlays, and surface treatments.
8/07	02751	CEMENT CONCRETE PAVEMENT	Concrete paving for site construction applications.
5/07	02764	PAVEMENT JOINT SEALANTS	Sealants for concrete and asphalt pavement joints.
8/07	02768	DECORATIVE CEMENT CONCRETE PAVEMENT	Surface-imprinted, stamped, stencil-patterned, or stained finish concrete paving.
8/08	02780	UNIT PAVERS	Brick, asphalt, concrete, and rough stone pavers on aggregate, mortar, and bituminous setting beds.

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8/04	02781	POROUS UNIT PAVING	Concrete, grid-type and interlocking type with openings between units.
5/08	02791	PLAYGROUND SURFACE SYSTEMS	Impact-attenuating, protective surfaces for use under public playground equipment.
12/05	02810	IRRIGATION SYSTEMS	Heads, pipes, and controls.
8/07	02821	CHAIN-LINK FENCES AND GATES	Standard chain-link fencing systems.
8/07	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.
5/08	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.
8/07	02940	VEGETATED ROOF ASSEMBLIES	Vegetated roof assemblies for rooftop or plaza installation over roofing membrane.
<b>DIVISION 3 - CONCRETE</b>			
5/08	03300	CAST-IN-PLACE CONCRETE	General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing.
8/07	03301	MISCELLANEOUS CAST-IN-PLACE CONCRETE	Cast-in-place concrete for limited applications.
U 11/08	03331	CAST-IN-PLACE ARCHITECTURAL CONCRETE	Specially formed, placed, and finished architectural concrete.
11/03	03371	SHOTCRETE	Pneumatically applied concrete, dry- or wet-mix.
11/02	03381	UNBONDED POST-TENSIONED CONCRETE	Post-tensioning reinforcement, encapsulated and non-encapsulated.
2/05	03410	PLANT-PRECAST STRUCTURAL CONCRETE	Conventional precast structural concrete units.
5/04	03450	ARCHITECTURAL PRECAST CONCRETE	Precast concrete cladding units, insulated units, and masonry-faced units.
U 11/08	03471	TILT-UP CONCRETE	Wall panels and insulated sandwich panels.
11/06	03491	GLASS FIBER REINFORCED CONCRETE	GFRC cladding panels; panel framing.
2/08	03511	CEMENTITIOUS WOOD-FIBER DECK	Monolithic, composite, and insulated composite units for roof and form decks.
5/08	03521	LIGHTWEIGHT INSULATING CONCRETE	Mineral-aggregate and foam types.
8/07	03532	CONCRETE FLOOR TOPPING	High-strength special-aggregate concrete slab toppings.
2/04	03930	CONCRETE REHABILITATION	Concrete patching, repair, reinforcing, sealing, and crack injection.
<b>DIVISION 4 - MASONRY</b>			
11/07	04720	CAST STONE	Architectural features, facing, trim, and site accessories.
11/07	04810	UNIT MASONRY ASSEMBLIES	CMU, brick, structural-clay facing tile, and stone trim units.
11/07	04813	BRICK MASONRY ASSEMBLIES	Brick veneer over wood- or metal-stud backup.
8/08	04815	GLASS UNIT MASONRY ASSEMBLIES	Glass block installed with mortar, glass block installed with spacers and sealant, and glass-block grid systems.
11/07	04816	CONCRETE UNIT MASONRY ASSEMBLIES	Single-wythe CMU including decorative units.
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.

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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

8/07 05120 STRUCTURAL STEEL Structural steel framing for buildings.

8/07 05121 ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FRAMING Architecturally exposed structural steel framing for buildings.

5/03 05210 STEEL JOISTS Standard SJI units.

5/03 05310 STEEL DECK Roof, floor, and composite types.

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.

5/07 05500 METAL FABRICATIONS Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals.

5/07 05511 METAL STAIRS Steel; with pan, plate, and grating treads.

5/07 05521 PIPE AND TUBE RAILINGS Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing.

5/07 05530 GRATINGS Metal and glass-fiber-reinforced plastic gratings.

8/07 05700 ORNAMENTAL METAL Custom fabrications from nonferrous and ferrous metals.

5/06 05715 FABRICATED SPIRAL STAIRS Steel and aluminum units with center column and radiating treads.

8/07 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.

8/07 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.

### DIVISION 6 - WOOD AND PLASTICS

U 11/08 06100 ROUGH CARPENTRY Wood framing, furring, grounds, nailers, and blocking.

2/06 06108 EXTERIOR ROUGH CARPENTRY Elevated decks and other exterior wood construction.

5/06 06130 HEAVY TIMBER CONSTRUCTION Solid timber framing.

5/06 06150 WOOD DECKING Solid and laminated T & G decking.

U 11/08 06160 SHEATHING Roof and wall sheathing, subflooring, and underlayment. Includes wood, non-wood, and composite products.

U 11/08 06176 METAL-PLATE-CONNECTED WOOD TRUSSES Metal-plate-connected members.

5/06 06185 STRUCTURAL GLUED-LAMINATED TIMBER Glued-laminated structural framing.

### DIVISION 7 - THERMAL AND MOISTURE PROTECTION

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.

2/07 07160 CEMENTITIOUS AND REACTIVE WATERPROOFING Evaluations for Sections 07161, 07162, and 07163.

2/07 07161 MODIFIED CEMENT WATERPROOFING Positive- and negative-side cementitious formulations.

2/07 07162 CRYSTALLINE WATERPROOFING Crystalline formulations.

2/07 07163 METAL-OXIDE WATERPROOFING Iron-oxide and cement formulations.

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5/07	07170	BENTONITE WATERPROOFING	Bentonite sheet membrane and panel waterproofing systems.	
2/08	07190	WATER REPELLENTS	Clear and pigmented penetrating, film-forming, and MPI-approved types.	
5/04	07811	SPRAYED FIRE-RESISTIVE MATERIALS	Concealed and exposed cementitious and sprayed fiber; exposed intumescent mastic.	
2/07	07821	BOARD FIRE PROTECTION	Mineral-fiber and calcium silicate boards.	
11/07	07841	THROUGH-PENETRATION FIRESTOP SYSTEMS	Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers.	
11/07	07842	FIRE-RESISTIVE JOINT SYSTEMS	Systems installed in or between fire-rated construction, at exterior curtain wall/floor intersections, and in smoke barriers.	
11/06	07920	JOINT SEALANTS	Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants.	
<b>DIVISION 9 - FINISHES</b>				
11/04	09638	STONE FLOORING	Exterior and interior stone traffic surfaces.	
2/04	09910	PAINTING	Evaluations for Sections 09911 and 09912.	
2/04	09911	EXTERIOR PAINTING	Exterior painting.	
2/04	09912	INTERIOR PAINTING	Interior painting.	
2/04	09931	WOOD STAINS AND TRANSPARENT FINISHES	For interior and exterior wood.	
11/03	09960	HIGH-PERFORMANCE COATINGS	Specialty coatings for use on exterior and interior substrates.	
11/03	09975	HIGH-TEMPERATURE-RESISTANT COATINGS	Coatings for use on steel substrates subject to high temperatures.	
<b>DIVISION 10 - SPECIALTIES</b>				
2/06	10350	FLAGPOLES	Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles.	
5/08	10405	BANNERS	Ornamental fabrics with applied graphics for interior and exterior use.	
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.	
2/04	10531	AWNINGS	Fixed and retractable awnings.	
<b>DIVISION 11 - EQUIPMENT</b>				
6/05	11005	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.	
<b>DIVISION 12 - FURNISHINGS</b>				
U	11/08	12800	INTERIOR PLANTS AND PLANTERS	Freestanding planters and manufactured interior plants.
<b>DIVISION 13 - SPECIAL CONSTRUCTION</b>				
8/07	13125	METAL BUILDING SYSTEMS	Systems consisting of structural framing, roofing and siding panels, and standard components.	
6/04	13210	ELEVATED WATER-STORAGE TANKS	Above-ground water storage.	
6/04	13220	SURFACE WATER-STORAGE TANKS	Surface-mounted water storage.	
<b>DIVISION 15 - MECHANICAL</b>				
6/08	15160	STORM DRAINAGE PIPING	Stormwater piping within the building.	
6/07	15165	STORM DRAINAGE PIPING SPECIALTIES	Roof drains, cleanouts, trench drains, channel drains, and piping specialties.	
U	12/08	15195	FACILITY NATURAL-GAS PIPING	Natural gas piping and specialties.
U	12/08	15196	FACILITY LIQUEFIED-PETROLEUM GAS PIPING	LP gas piping, specialties, and storage equipment.
<b>DIVISION 16 - ELECTRICAL</b>				
9/07	16521	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.	

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