

MASTERSPEC®

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STRUCTURAL/CIVIL/LANDSCAPE LIBRARY
Outline Expanded (Basic and Supplemental)

MasterFormat 1995 Version

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DIVISION 1 - GENERAL REQUIREMENTS

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.	
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.
11/02	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.	
11/02	01500	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for support, security, and protection.	
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.	
11/02	01731	CUTTING AND PATCHING	Special procedures.	
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.	
11/02	01820	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel.	

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.

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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	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.
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.
3/03	02552	GROUND-LOOP, HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.
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.
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.
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.
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			
8/02	03300	CAST-IN-PLACE CONCRETE	General building and structural applications.
8/02	03301	CAST-IN-PLACE CONCRETE (LIMITED APPLICATIONS)	Limited applications for smaller projects.
8/02	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.

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5/04	03450	ARCHITECTURAL PRECAST CONCRETE	Precast concrete cladding units, insulated units, and masonry-faced units.
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.
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.
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	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

2/01	05120	STRUCTURAL STEEL	Framing systems.	
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.	
2/02	05500	METAL FABRICATIONS	Iron and steel items (not sheet metal).	
2/02	05511	METAL STAIRS	Steel; with pan, plate, and grating treads.	
2/02	05521	PIPE AND TUBE RAILINGS	Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing.	
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.	
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.	

DIVISION 6 - WOOD AND PLASTICS

11/03	06100	ROUGH CARPENTRY	Wood framing, furring, grounds, nailers, and blocking.	
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.
11/03	06160	SHEATHING	Roof and wall sheathing (including gypsum sheathing); subflooring, underlayment, and weather-resistive barriers.	
11/03	06176	METAL-PLATE-CONNECTED WOOD TRUSSES	Metal-plate-connected members.	
U	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.

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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	07161	MODIFIED CEMENT WATERPROOFING	Positive- and negative-side cementitious formulations.
5/02	07162	CRYSTALLINE WATERPROOFING	Crystalline formulations.
5/02	07163	METAL-OXIDE WATERPROOFING	Iron-oxide and cement formulations.
8/02	07170	BENTONITE WATERPROOFING	Colloidal clay systems.
11/02	07190	WATER REPELLENTS	Clear and pigmented penetrating types and film-forming types.
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.
5/01	07920	JOINT SEALANTS	Elastomeric, nonelastomeric, and preformed sealants.
DIVISION 9 - FINISHES			
11/04	09638	STONE FLOORING	Exterior and interior stone traffic surfaces.
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.
DIVISION 10 - SPECIALTIES			
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.
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.
DIVISION 11 - EQUIPMENT			
6/05	11005	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.
DIVISION 12 - FURNISHINGS			
2/03	12800	INTERIOR PLANTS AND PLANTERS	Plants, trees, and vines for interior spaces.
DIVISION 13 - SPECIAL CONSTRUCTION			
8/02	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.
DIVISION 16 - ELECTRICAL			
6/03	16521	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.

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