

MASTERSPEC®

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ELECTRICAL LIBRARY
Outline Expanded (Basic and Supplemental)

MasterFormat 2004 Version

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DIVISION 01 - GENERAL REQUIREMENTS

11/02	011000	SUMMARY	Summary of the Work, Work phases, products ordered in advance, Owner-furnished products, use of premises, and work restrictions.	
11/02	011200	MULTIPLE CONTRACT SUMMARY	Responsibilities of each contract for the Work, coordination, and temporary facilities and controls.	
11/02	012100	ALLOWANCES	Provisions for allowances.	
11/02	012200	UNIT PRICES	Provisions for unit prices.	
11/02	012300	ALTERNATES	Provisions for alternates.	
11/02	012600	CONTRACT MODIFICATION PROCEDURES	Procedural requirements for changing the Contract.	
11/02	012900	PAYMENT PROCEDURES	Administrative requirements for payment.	
8/04	013100	PROJECT MANAGEMENT AND COORDINATION	Administrative requirements for project meetings and coordination.	
11/02	013200	CONSTRUCTION PROGRESS DOCUMENTATION	Contractor's Construction Schedule, Submittals Schedule, and reports.	
11/02	013233	PHOTOGRAPHIC DOCUMENTATION	Construction photographs and videotapes.	
11/02	013300	SUBMITTAL PROCEDURES	Procedures for submitting Action, Informational, and Delegated-Design Submittals.	
5/02	013591	HISTORIC TREATMENT PROCEDURES	Storage, temporary protection, and procedures.	
11/02	014000	QUALITY REQUIREMENTS	Quality-assurance and -control requirements and special inspections.	
11/05	014200	REFERENCES	Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MASTERSPEC.	
11/02	015000	TEMPORARY FACILITIES AND CONTROLS	Temporary utilities and facilities for support, security, and protection.	
11/02	016000	PRODUCT REQUIREMENTS	Administrative and procedural requirements for product selection and handling, warranties, and product substitutions.	
11/02	017300	EXECUTION	Field engineering, progress cleaning, and general requirements for product installation.	
11/02	017329	CUTTING AND PATCHING	Special procedures.	
2/03	017419	CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL	Salvaging, recycling, and disposing of construction waste.	
11/02	017700	CLOSEOUT PROCEDURES	Administrative and procedural requirements for Contract closeout.	
11/02	017823	OPERATION AND MAINTENANCE DATA	Emergency, operation, and maintenance manuals for products and equipment.	
11/02	017839	PROJECT RECORD DOCUMENTS	Record Drawings, Specifications, and Product Data.	
11/02	017900	DEMONSTRATION AND TRAINING	Administrative and procedural requirements for instructing Owner's personnel.	
U	5/06	018113	SUSTAINABLE DESIGN REQUIREMENTS	General requirements and procedures for LEED prerequisites and credits.
12/05	019113	GENERAL COMMISSIONING REQUIREMENTS	Administrative requirements and procedures for commissioning all systems.	

DIVISION 02 - EXISTING CONDITIONS

5/04	024116	STRUCTURE DEMOLITION	Complete structure removal.
11/02	024119	SELECTIVE STRUCTURE DEMOLITION	Demolition and removal of selected portions of buildings and site elements.

DIVISION 03 - CONCRETE

8/02	033000	CAST-IN-PLACE CONCRETE	General building and structural applications.
8/02	033053	MISCELLANEOUS CAST-IN-PLACE CONCRETE	Limited applications for smaller projects.

DIVISION 05 - METALS

2/02	055000	METAL FABRICATIONS	Iron and steel items (not sheet metal).
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DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

11/03	061000	ROUGH CARPENTRY	Wood framing, furring, grounds, nailers, and blocking.
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DIVISION 07 - THERMAL AND MOISTURE PROTECTION

11/05	076200	SHEET METAL FLASHING AND TRIM	Custom-fabricated roof and wall flashings and roof-drainage systems, and manufactured through-wall flashing and reglets.
11/02	077200	ROOF ACCESSORIES	Roof curbs, equipment supports, roof hatches, heat and smoke vents, gravity ventilators, roof supports, and roof walkways.
11/02	078413	PENETRATION FIRESTOPPING	Through-penetration firestop systems.

DIVISION 08 - OPENINGS

2/04	083113	ACCESS DOORS AND FRAMES	Wall, ceiling, and floor units.
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DIVISION 09 - FINISHES

2/04	099113	EXTERIOR PAINTING	Exterior painting.
2/04	099123	INTERIOR PAINTING	Interior painting.
11/03	099600	HIGH-PERFORMANCE COATINGS	Specialty coatings for use on exterior and interior substrates.

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

U	6/06	230800	COMMISSIONING OF HVAC	Administrative requirements and procedures for commissioning HVAC systems.
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DIVISION 26 - ELECTRICAL

3/05	260500	COMMON WORK RESULTS FOR ELECTRICAL	Materials and methods common to multiple electrical systems.
6/03	260513	MEDIUM-VOLTAGE CABLES	Cable, splices, and terminations.
3/04	260519	LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES	Electrical power distribution (600 V and less).
3/04	260519.13	UNDERCARPET ELECTRICAL POWER CABLES	Power and communication cables.
3/06	260523	CONTROL-VOLTAGE ELECTRICAL POWER CABLES	UTP, optical fiber, and low-voltage control circuit conductors and cables.
9/03	260526	GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS	Methods and materials for grounding systems and equipment.
12/04	260529	HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	Hangers, supports, and concrete bases.
6/04	260533	RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS	Pull, junction, outlet, and cabinets.
6/04	260536	CABLE TRAYS FOR ELECTRICAL SYSTEMS	Ladder, trough, solid-bottom, and channel types.
12/04	260539	UNDERFLOOR RACEWAYS FOR ELECTRICAL SYSTEMS	Ducts, boxes, fittings, and accessories.
12/03	260543	UNDERGROUND DUCTS AND RACEWAYS FOR ELECTRICAL SYSTEMS	Manholes, handholes, and underground ducts.
12/04	260548	VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS	Vibration isolation devices and seismic restraints.
9/02	260553	IDENTIFICATION FOR ELECTRICAL SYSTEMS	Labels, markers, tags, ties, tape, bands, and signs.
6/04	260573	OVERCURRENT PROTECTIVE DEVICE COORDINATION STUDY	Fault-current and protective device coordination studies.
12/03	260913	ELECTRICAL POWER MONITORING AND CONTROL	Remote and local monitoring, metering, and control of individual circuits.
9/04	260923	LIGHTING CONTROL DEVICES	Time switches, photoelectric relays, occupancy sensors, and multipole lighting controls.
12/04	260933	CENTRAL DIMMING CONTROLS	Control network and stations, dimmer cabinets, and dimmers.
12/04	260936	MODULAR DIMMING CONTROLS	Manual modular and integrated, multipreset modular dimming controls.
9/03	260943	NETWORK LIGHTING CONTROLS	Wired, programmable and manual lighting controls.
6/03	261116	SECONDARY UNIT SUBSTATIONS	Indoor and outdoor units; with liquid-filled or dry-type transformers.
6/03	261200	MEDIUM-VOLTAGE TRANSFORMERS	Transformers (2.4 to 35 kV).
12/02	261300	MEDIUM-VOLTAGE SWITCHGEAR	Metal-enclosed interrupter and metal-clad CB type switchgear (up to 34 kV class).

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12/02	262100	LOW-VOLTAGE OVERHEAD ELECTRICAL POWER SYSTEMS	Medium and secondary voltage (up to 35 kV).
9/04	262200	LOW-VOLTAGE TRANSFORMERS	General purpose and specialty dry type.
3/03	262300	LOW-VOLTAGE SWITCHGEAR	Metal-enclosed, circuit-breaker type; 1000V and less.
3/03	262313	PARALLELING LOW-VOLTAGE SWITCHGEAR	Low-voltage type, 1000V and less; medium-voltage type, 5 to 15 kV; for multiple generator operation.
12/05	262413	SWITCHBOARDS	Service and distribution switchboards, 600V and less.
12/05	262416	PANELBOARDS	Distribution, branch circuit, and TVSS panel boards and load centers.
6/02	262419	MOTOR-CONTROL CENTERS	Conventional, modular, freestanding (600 V).
9/04	262500	ENCLOSED BUS ASSEMBLIES	Plug in & feeder (600 V or less).
9/04	262600	POWER DISTRIBUTION UNITS	Voltage regulators, static electronic voltage regulators, and power distribution units.
9/02	262713	ELECTRICITY METERING	Energy and demand metering by utility or Owner.
6/04	262726	WIRING DEVICES	Switches, receptacles, lighting-control devices, and plates.
3/06	262813	FUSES	Cartridge type (600 V and less); plug type (125 V and less); fuse adapters; spare-fuse cabinet.
3/06	262816	ENCLOSED SWITCHES AND CIRCUIT BREAKERS	Fusible, nonfusible, receptacle, shunt trip, and molded-case switches; molded-case circuit breakers; enclosures.
6/02	262913	ENCLOSED CONTROLLERS	Manual, magnetic, and solid state.
6/02	262923	VARIABLE-FREQUENCY MOTOR CONTROLLERS	Solid-state, pulse-width modulated.
12/03	263213	ENGINE GENERATORS	Diesel- and gas-engine-driven types.
6/04	263323	CENTRAL BATTERY EQUIPMENT	AC & DC output types.
9/02	263353	STATIC UNINTERRUPTIBLE POWER SUPPLY	Units rated 5 to 750 kVA for systems (600 V and less).
9/02	263533	POWER FACTOR CORRECTION EQUIPMENT	Capacitors for 600 V and less.
12/03	263600	TRANSFER SWITCHES	Automatic, nonautomatic, and bypass/isolation.
12/02	264113	LIGHTNING PROTECTION FOR STRUCTURES	Protection for buildings and site components.
12/02	264200	CATHODIC PROTECTION	Passive corrosion protection for steel and iron pipes and tanks.
9/02	264313	TRANSIENT-VOLTAGE SUPPRESSION FOR LOW-VOLTAGE ELECTRICAL POWER CIRCUITS	TVSS for low-voltage power, control, and communication equipment.
6/03	265100	INTERIOR LIGHTING	Normal and emergency lighting.
3/06	265561	THEATRICAL LIGHTING	Dimmer racks; control console and devices; distribution components; lighting fixtures.
6/03	265600	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.
6/03	265668	EXTERIOR ATHLETIC LIGHTING	Outdoor lighting for sports fields.
DIVISION 27 - COMMUNICATIONS			
3/05	270500	COMMON WORK RESULTS FOR COMMUNICATIONS	Materials and methods common to multiple communication systems.
3/05	271100	COMMUNICATIONS EQUIPMENT ROOM FITTINGS	Telecommunications mounting equipment, service pathways, and grounding.
3/05	271300	COMMUNICATIONS BACKBONE CABLING	Pathways, cables, connecting hardware, and cable identification systems.
3/05	271500	COMMUNICATIONS HORIZONTAL CABLING	Pathways, cables, MUTOAs, connecting hardware, and identification and administration systems.
3/02	274133	MASTER ANTENNA TELEVISION SYSTEM	MATV with options for off-air antennas, CATV, or broadcast satellite service.
12/05	275116	PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS	Equipment, cabling, and raceways.
6/02	275119	SOUND MASKING SYSTEMS	Equipment and accessories for acoustical privacy.
12/05	275123	INTERCOMMUNICATIONS AND PROGRAM SYSTEMS	Manually-switched and microprocessor-switched systems.
12/05	275123.50	EDUCATIONAL INTERCOMMUNICATIONS AND PROGRAM SYSTEMS	Manually and microprocessor-switched systems.

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6/02	275223	NURSE CALL/CODE BLUE SYSTEMS	Basic visual and audiovisual patient-nurse communication equipment.
6/01	275313	CLOCK SYSTEMS	Electronic, with master control, analog and digital clocks, and signals.

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

3/05	280500	COMMON WORK RESULTS FOR ELECTRONIC SAFETY AND SECURITY	Materials and methods common to multiple electronic safety and security systems.
3/05	280513	CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY	Cables, connecting hardware, and identification systems.
9/02	281300	ACCESS CONTROL	Computer controlled, with interface to other facility management systems.
3/03	281600	INTRUSION DETECTION	Detection devices, controls, and alarms.
3/03	281643	PERIMETER SECURITY SYSTEMS	Detection devices, controls, and alarms on the site perimeter.
3/02	282300	VIDEO SURVEILLANCE	Cameras, monitors, and control equipment.
9/05	283111	DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM	Systems with addressable initiating devices and conventional or addressable notification appliances.
9/05	283112	ZONED (DC LOOP) FIRE-ALARM SYSTEM	Small systems for buildings relying on zoned fire-alarm concept.
9/04	284619	PLC ELECTRONIC DETENTION MONITORING AND CONTROL SYSTEMS	Monitoring and control of doors, gates, and related items for detention facilities.

DIVISION 31 - EARTHWORK

11/01	311000	SITE CLEARING	Clearing and grubbing, and topsoil removal.
2/02	312000	EARTH MOVING	Excavating, filling, and grading.

DIVISION 32 - EXTERIOR IMPROVEMENTS

8/05	321216	ASPHALT PAVING	Paving, overlays, and surface treatments.
2/02	321313	CONCRETE PAVING	General applications.
8/02	323113	CHAIN LINK FENCES AND GATES	Standard chain-link fencing systems.

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