

A. SUBSTRUCTURE

A1010 STANDARD FOUNDATIONS: Wall and column foundations, foundation walls and grade beams, pile caps, spread footings, mat foundations, structural slabs on grade, excavation and backfill, perimeter insulation, and anchor plates.

A1030 SLAB ON GRADE: Structural slabs on grade, thickened slabs, depressed or inclined slabs, slabs with integral trenches or pits, under-slab drainage systems, and under-slab insulation.

A2020 BASEMENT WALLS: Structural basement walls and crawlspace walls, including waterproofing, damp-proofing, thermal insulation, and associated excavation and backfill.

B. SHELL

B1010 FLOOR CONSTRUCTION: Floor structural frame and deck, elevated floor slabs, balconies, mezzanines, inclined and stepped structural floors, suspended ramps, and expansion joints integral to floor systems. Includes catwalks or structural platforms related to floors.

B1020 ROOF CONSTRUCTION: Roof structural frame and decking, structural roof slabs, sheathing, integrated canopies, and other structural roof systems. Includes structural supports necessary to carry the roof load.

B2010 EXTERIOR WALLS: Exterior wall construction including framing, sheathing, backup walls, insulation, vapor retarders, applied finishes, parapets, louvers, screens, sun control devices, balcony enclosures, railings, and soffits.

B2020 EXTERIOR WINDOWS: Exterior windows, curtain walls, storefront glazing systems, integral coatings or finishes, and wall opening components such as lintels, sills, and flashing.

B2030 EXTERIOR DOORS: Exterior personnel doors, revolving doors, overhead and sliding doors, hangar and blast-resistant doors, and associated glazing, hardware, and weatherproofing systems.

B3010 ROOF COVERINGS: Roofing membranes, built-up roofing, shingles or metal systems, traffic coatings (where applicable), vapor retarders, insulation, roof fill, expansion joints, flashings, trim, gutters, downspouts, and eaves/soffits associated with the roofing system.

B3020 ROOF OPENINGS: Skylights, area glazing systems, roof hatches, gravity ventilators, and smoke vents. Includes flashing, curbs, and waterproofing associated with roof penetrations.

C. INTERIORS

C1010 PARTITIONS: Fixed and operable partitions, demountable and movable wall systems, interior glazing and storefronts, interior security screens, and integrated railing or screen systems.

C1020 INTERIOR DOORS: Swinging, sliding, folding, glazed, and fire-rated interior doors; hatches and access doors; associated frames, hardware, thresholds, and finishes including painting and staining.

C1030 FITTINGS: Chalkboards, tackboards, signage and identifying devices, lockers, toilet and bath accessories, storage shelving, handrails and ornamental metals, toilet partitions, cubicles, and closet hardware or specialties.

C2010 STAIR CONSTRUCTION: Structural stair framing, treads, risers, landings, and integral handrails or balustrades for interior stair systems.

C2020 STAIR FINISHES: Applied finishes to stair treads, risers, landings, soffits, and to handrails and balustrades. Includes coatings, coverings, and surface treatments.

C3010 WALL FINISHES: Applied finishes to interior walls, including plaster, wallboard, tile, terrazzo, paint, wallcoverings, acoustic treatments, and other specialty coatings or surface finishes.

C3020 FLOOR FINISHES: Applied floor finishes including tile, terrazzo, wood, resilient flooring, carpeting, masonry and stone, floor coatings and sealers, traffic membranes, conductive or specialty flooring, and raised access (pedestal) floor systems.

C3030 CEILING FINISHES: Suspended and applied ceiling finishes including acoustic tiles and panels, plaster, wallboard, painted or stained surfaces, exposed concrete, metal ceilings, and specialty ceiling types.

D. SERVICES

D1010 ELEVATORS & LIFTS: Passenger elevators, freight elevators, wheelchair and platform lifts, and other vertical transportation systems.

D2010 PLUMBING FIXTURES: Water closets, urinals, lavatories, sinks, showers, bathtubs, drinking fountains, bidets, and associated trim and control components.

D2020 DOMESTIC WATER DISTRIBUTION: Interior domestic water distribution systems including piping, fittings, valves, hose bibbs, water heaters, pressure tanks, domestic water equipment, and pipe insulation.

D2030 SANITARY WASTE: Sanitary waste and vent piping systems, including pipe fittings, floor drains, cleanouts, associated equipment (e.g., sump pumps, grease traps), and pipe insulation.

D2040 RAIN WATER DRAINAGE: Interior rainwater drainage piping systems, including roof drains, pipe and fittings, and associated insulation. Excludes gutters and downspouts (see B3010 – Roof Coverings).

D2050 POOL SYSTEMS: Includes mechanical, plumbing, and treatment systems for pools, spas, and aquatic features. Covers filtration, circulation, water chemistry systems, pool heaters, pumps, and piping necessary to operate and maintain aquatic environments.

D3010 ENERGY SUPPLY: Energy supply systems including fossil fuels (oil, gas, coal), central plant steam, hot water, and chilled water, and on-site renewable sources such as solar and wind energy.

D3020 HEAT GENERATING SYSTEMS: Boilers (including electric), primary heating pumps, adjacent piping and fittings, auxiliary heating components (e.g., burners, heat exchangers), and associated insulation.

D3030 COOLING GENERATING SYSTEMS: Chillers, direct expansion (DX) systems, cooling towers, evaporative coolers, condensers, primary cooling pumps, and associated piping, fittings, and insulation. Also includes condensing units for split and rooftop systems.

D3040 DISTRIBUTION SYSTEMS: Air and hydronic distribution systems including AHUs, ductwork, VAV boxes, terminal units, exhaust systems, heat exchangers, secondary pumps, sound attenuation, and insulation for piping and ductwork. Covers supply/return air, ventilation, and steam, hot/chilled water, and glycol systems. Excludes water and steam unit heaters.

D3060 CONTROLS & INSTRUMENTATION: Central and local HVAC controls, including thermostats, sensors, actuators, control valves, timers, and building automation systems (BAS). Includes instrumentation for temperature, pressure, and flow, and all control wiring, interfaces, and network cabling associated with HVAC system regulation and energy management.

D4010 SPRINKLERS: Automatic fire sprinkler systems including water supply equipment, piping, valves, fittings, sprinkler heads, and release devices. Includes wet, dry, or pre-action systems and their connection to building water or fire mains.

D4020 STANDPIPES: Standpipe systems including risers, piping, control valves, hose connections, hose cabinets, and water supply equipment. Includes wet, dry, or combination systems used for fire protection, excluding automatic sprinklers (see D4010).

D4030 FIRE PROTECTION SPECIALTIES: Portable fire extinguishers and associated wall-mounted or recessed cabinets. Includes standalone fire protection accessories not integrated with sprinkler or standpipe systems.

D5010 ELECTRICAL SERVICE & DISTRIBUTION: Electrical service entrance equipment including primary and secondary transformers, main switchboard, panelboards, enclosed breakers, motor control centers, and conduit with wiring for building distribution systems.

D5020 LIGHTING & BRANCH LIGHTING: Branch wiring and devices for lighting and equipment connections, including interior and exterior lighting fixtures, switches, sensors, and receptacles. Covers branch wiring to non-mechanical devices and exterior building-mounted lighting.

D5030 COMMUNICATIONS & SECURITY: Communications and security systems including fire alarms, telephones, data networks, intercoms, public address, paging, clock systems, call systems, TV, and security components such as access control and video surveillance.

D5090 OTHER ELECTRICAL SYSTEMS: Auxiliary electrical systems including emergency generators, UPS, emergency lighting, lightning protection, grounding, power factor correction, raceway systems, and on-site power generation systems such as solar or cogeneration units.

E. EQUIPMENT & FURNISHINGS

E1020 INSTITUTIONAL EQUIPMENT: Fixed or built-in institutional equipment including items for religious, library, theater, laboratory, classroom, medical, and mortuary use. Includes AV systems and specialty furnishings integral to facility function.

E1030 VEHICULAR EQUIPMENT: Equipment for vehicle service, parking control, and loading docks. Includes vehicle lifts, lubrication systems, parking gates and controls, and dock levelers, bumpers, and restraints.

E1040.7 DETENTION EQUIPMENT: Fixed equipment for detention use, including security doors, locks, glazing, barriers, gates, monitoring devices, and control systems. Designed to maintain secure conditions in correctional or detention facilities.

E1090 OTHER EQUIPMENT: Miscellaneous equipment including janitorial tools, waste handling, unit kitchens, residential appliances, agricultural devices, and specialized items such as darkroom, athletic, therapeutic, observatory, and planetarium equipment not classified elsewhere in Division E10.

E2010 FIXED FURNISHINGS: Built-in furnishings including fixed casework, artwork, window treatments, recessed floor grilles and mats, fixed seating, and interior landscaping features. Items are permanently affixed and serve functional or decorative roles.

F. INTEGRATED CONSTRUCTION

F1020 INTEGRATED CONSTRUCTION: Includes modular or prefabricated systems for data centers such as raised access flooring, equipment pods, and integrated utility racks. Supports IT infrastructure with built-in cable pathways, cooling channels, and structural framing for dense equipment environments.