

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
Administrative	L1010	Training	Training
	L1020	Idle Time	Idle Time
	L1030	Information Technology	Information Technology
	L1040	Other Administrative	Other Administrative
Electrical	D5010	Electrical Service and Distribution	Incoming Service
			Service Distribution
	D5020	Lighting and Branch Wiring	Branch Wiring and Devices
			Lighting Equipment
	D5030	Communications and Security	Call Systems
			Clock and Program Systems
			Data Networking
			Fire Alarm Systems
			Intercommunication & Paging Systems
			Other Communications & Security Systems
			Public Address & Music Systems
			Security and Detection Systems
	D5090	Other Electrical Systems	Television Systems
Electrical-Floor Raceway Systems			
Emergency Light & Power Systems			
General Construction Items (Elect.)			
Grounding Systems			
Lightning Protection System			
Misc. Other Electrical Systems			
Elevators and Lifting Devices	D1010	Elevators and Lifts	Freight Elevators
			Lifts
			Passenger Elevators
	D1020	Escalators and Moving Walks	Escalators
			Moving Walks
	D1090	Other Conveying Systems	Baggage Handling & Loading Systems
			Chutes
			Conveyors
			Dumbwaiters
			Hoists & Cranes
Pneumatic Tube Systems			
Transportation Systems			
Turntables			
Environmental/Waste Mgmt. (BJC/DFS)	K1010	Environmental/Waste Mgmt. (BJC/DFS)	Bechtel/Duratek
Equipment and Furnishings	E1010	Commercial Equipment	Checkroom Equipment
			Laundry & Dry Cleaning Equipment
			Mercantile Equipment
			Office Equipment
			Other Commercial Equipment
			Registration Equipment
			Security & Vault Equipment
			Teller and Service Equipment
			Vending Equipment
	E1020	Institutional Equipment	Audio-visual Equipment
			Detention Equipment
Ecclesiastical Equipment			

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
			Instrumental Equipment
			Laboratory Equipment
			Library Equipment
			Medical Equipment
			Other Institutional Equipment
			Theater & Stage Equipment
	E1030	Vehicular Equipment	Loading Dock Equipment
			Other Vehicular Equipment
			Parking Control Equipment
			Vehicular Service Equipment
	E1090	Other Equipment	Food Service Equipment
			Maintenance Equipment
			Misc. Other Equipment
			Residential Equipment
			Solid Waste Handling Equipment
			Unit Kitchens
			Window Washing Equipment
	E2010	Fixed Furnishings	Blinds and Other Window Treatment
			Fixed Artwork
			Fixed Casework
			Fixed Floor Grills and Mats
			Fixed Interior Landscaping
			Fixed Multiple Seating
	E2020	Movable Furnishings	Furniture & Accessories
			Movable Artwork
			Movable Interior Landscaping
			Movable Multiple Seating
			Movable Rugs and Mats
ESH	H1010	Rad Surveys	Rad Surveys
Exterior	A1010	Standard Foundations	Column Foundations
			Perimeter Drainage
			Perimeter Insulation
			Wall Foundations
	A1020	Special Foundations	Caissons
			Dewatering
			Grade Beams
			Other Foundation Conditions
			Pile Foundations
			Pressure Injected Grouting
			Raft (Mat) Foundations
			Underpinning
	A1030	Slab on Grade	Inclined Slab at Grade
			Inclined Slab on Grade
			Pits and Bases
			Standard Slab on Grade
			Structural Slab at Grade
			Trenches
			Under-Slab Drainage
			Under-Slab Insulation
	A2010	Basement Excavation	Excavation for Basements
			Sheeting, Shoring and Bracing
			Structure Backfill and Compaction
	A2020	Basement Walls	Basement Wall Construction
			Basement Wall Insulation
			Moisture Protection
	B1010	Floor Construction	Balcony Floor Construction

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
			Exterior Stairs and Fire Escapes
			Exterior-Floor Raceway Systems
			Other Floor Construction
			Ramps
			Suspended Basement Floor Construction
			Upper Floor Construction
	B1020	Roof Construction	Canopies
			Dome Construction
			Fabric (tensile) Roof Construction
			Flat Roof Construction
			Other Roof Construction
			Pitched Roof Construction
			Vaulted Roof Construction
	B2010	Exterior Walls	Balcony Walls & Handrails
			Exterior Louvers, Screens, and Fencing
			Exterior Soffits
			Exterior Sun Control Devices
			Exterior Wall Construction
			Parapets
	B2020	Exterior Windows	Curtain Walls
			Screened Openings
			Storefronts
			Windows
	B2030	Exterior Doors	Door Wall Opening Elements
			Exterior Door Painting & Decoration
			Glazed Doors & Entrances
			Other Exterior Doors
			Overhead Doors
			Revolving Doors
			Solid Exterior Doors
	B3010	Roof Coverings	Flashings & Trim
			Gutters and Downspouts
			Roof Eaves and Soffits
			Roof Finishes
			Roof Insulation & Fill
			Traffic Toppings & Paving Membranes
	B3020	Roof Openings	Glazed Roof Openings
			Gravity Roof Ventilators
			Roof Hatches
Fabrication	I1010	Fabrication	Fabrication
	I1020	Inspection Services	Inspection Services
Fire Protection	D4010	Sprinklers	Dry Sprinkler Systems
			Sprinkler Pumping Equipment
			Sprinkler Water Supply
			Wet Sprinkler Systems
	D4020	Standpipes	Fire Hose Equipment & Cabinets
			Pumping Equipment
			Standpipe Equipment
			Standpipe Water Supply
	D4030	Fire Protection Specialties	Fire Extinguisher Cabinets
			Fire Extinguishers
			Other Fire Protection Specialties
	D4090	Other Fire Protection Systems	Carbon Dioxide Systems

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC	
			Clean Agent System	
			Dry Chemical Systems	
			Foam Generating Equipment	
			Hood & Duct Fire Protection	
			Misc. Other Fire Protection Systems	
HVAC	D3010	Energy Supply	Chilled Water Supply System	
			Coal Supply System	
			Fuel Cell Systems	
			Gas Supply System	
			HVAC-Hot Water Supply System	
			Oil Supply System	
			Other Energy Supply Systems	
			Solar Energy System	
			Steam Supply System	
	Wind Energy System			
	D3020	Heat Generating Systems	Auxiliary Equipment	
			Boiler Room Piping & Specialties	
			Boilers	
			Insulation	
	D3030	Cooling Generating Systems	Chilled Water Systems	
			Direct Expansion Systems	
	D3040	Distribution Systems	Air Distribution Systems	
			Change-over Distribution System	
			Chilled Water Distribution	
			Distribution Systems Exhaust Ventilation Systems	
			Glycol Distribution Systems	
			Hot Water Distribution	
			Steam Distribution Systems	
	D3050	Terminal and Package Units	Package Units	
			Terminal Self-Contained Units	
	D3060	HVAC Controls and Instrumentation	Cooling Generating Systems	
			Energy Monitoring & Control	
			Heating Generating Systems	
			Heating/Cooling Air Handling Units	
Hoods and Exhaust Systems				
HVAC Building Automation Systems				
HVAC Exhaust & Ventilating Systems				
		HVAC Other Controls & Instrumentation		
		Terminal Devices		
D3070	Systems Testing and Balancing	Air Systems Testing & Balancing		
		HVAC Commissioning		
		Other Systems Testing and Balancing		
		Piping System Testing & Balancing		
D3090	Other HVAC Systems and Equipment	Air Curtains		
		Air Purifiers		
		Dust & Fume Collectors		
		General Construction Items (HVAC)		
				Misc. Other HVAC Systems & Equipment
				Paint Spray Booth Ventilation
		Special Cooling Systems & Devices		
		Special Humidity Control		

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
Instrumentation and Controls	M1010	Computing and Audio Visual	IC-Audio/Visual
			IC-Computers/Peripherals-Admin/Other
			IC-Computers/Peripherals-Systems/Labs
	M1020	Networking and Security	IC-Network-ORNL Network
			IC-Network-Public Address
			IC-Security Systems/Alarms/Surveillance
			IC-Security-Building Access
			IC-Security-Radios
	M1030	Environmental	IC-Environmental-Air Monitoring
			IC-Environmental-Water Monitoring
	M1040	Process and Radiation	IC-Process-Other
			IC-Process-REDC
			IC-Process-Steam Plant
			IC-Radiation-Portable
			IC-Radiation-Process
			IC-Radiation-Sources
			IC-Radiation-Stationary
	M1050	Research Support	IC-Research Support-4500 Area
			IC-Research Support-Accelerator/6000
			IC-Research Support-Analytical
			IC-Research Support-Condensed Matter
			IC-Research Support-Environmental Sciences
			IC-Research Support-Metals & Ceramics
			IC-Research Support-Other
IC-Research Support-Roof Test			
M1060	Services-Internal/External	IC-BJC Services	
		IC-Fabrication - Weld Test Services	
		IC-Industrial Hygiene Services	
		IC-Medical Services	
		IC-Y-12 Services	
		MTEW/Test Equipment	
Interior	C1010	Partitions	Demountable Partitions
			Fixed Partitions
			Interior Balustrades and Screens
			Interior Windows & Storefronts
			Retractable Partitions
			Site Built Compartments and Cubicles
			Site Built Toilet Partitions
	C1020	Interior Doors	Interior Door Frames
			Interior Door Hardware
			Interior Door Painting & Decoration
			Interior Door Sidelights & Transoms
			Interior Door Wall Opening Elements
	C1030	Fittings	Interior Doors
			Interior Hatches & Access Doors
			Bath and Toilet Accessories
			Fabricated Cabinets & Counters
			Fabricated Compartments & Cubicles

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
			Identifying/Visual Aid Specialties
			Integrated Appurtenances
			Internal Traffic Protection/Aids
			Other Fittings
			Storage Specialties
	C2010	Stair Construction	Curved Stairs
			Regular Stairs
			Spiral Stairs
			Stair Handrails and Balustrades
	C2020	Stair Finishes	Stair Handrail & Balustrade Finishes
			Stair Soffit Finishes
			Stair, Tread and Landing Finishes
	C3010	Wall Finishes	Column Finishes
			Wall Finishes to Inside Exterior Walls
			Wall Finishes to Interior Walls
	C3020	Floor Finishes	Access Pedestal Flooring
			Bases, Curbs and Trim
			Carpeting
			Floor Toppings & Coatings
			Flooring
			Hardeners and Sealers
			Traffic Membranes
	C3030	Ceiling Finishes	Applied Ceiling Finishes
			Other Ceiling Finishes
			Suspended Ceilings
Janitorial	J1010	Janitorial	Janitorial
Plumbing	D2010	Plumbing Fixtures	Bathtubs
			Bidets
			Drinking Fountains and Coolers
			Lavatories
			Other Plumbing Fixtures
			Safety Showers/Eyewashes
			Showers
			Sinks
			Urinals
			Wash Fountains
			Water Closets
	D2020	Domestic Water Distribution	Cold Water Service
			Domestic Water Supply Equipment
			Hot Water Service
	D2030	Sanitary Waste	Floor Drains
			Sanitary Waste Equipment
			Vent Piping
			Waste Piping
	D2040	Rain Water Drainage	Pipe and Fittings
			Rainwater Drainage Equipment
			Roof Drains
	D2090	Other Plumbing Systems	Acid Waste Systems
			Decorative Fountain Piping & Devices
			Gas Distribution
			Interceptors
			Misc. Other Plumbing Systems
			Pool Piping and Equipment
			Special Water Systems
Site Services	G1010	Site Clearing	Clearing & Grubbing
			Tree Removal & Thinning

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
	G1020	Site Demolition and Relocations	Building Demolition Demolition of Site Components Relocation of Buildings Utilities Relocation
	G1030	Site Earthwork	Borrow Fill Embankments Site Dewatering Site Grading Excavation & Disposal Site Shoring Soil Stabilization & Treatment
	G1040	Hazardous Waste Remediation	Other Hazardous Waste Remediation Removal of Contaminated Soil Soil Restoration & Treatment
	G2010	Roadways	Guardrails and Barriers Roadways Bases and Sub-Bases Roadways-Curbs Gutters and Drains Roadways-Painted Lines & Markings Roadways-Paving and Surfacing Roadways-Signage Vehicular Bridges
	G2020	Parking Lots	Parking Booths & Equipment Parking Lots-Bases and Sub-Bases Parking Lots-Curbs Gutters and Drains Parking Lots-Painted Lines & Markings Parking Lots-Paving and Surfacing Parking Lots-Signage Rails & Barriers
	G2030	Pedestrian Paving	Drains Edging Exterior Steps & Ramps Pedestrian Bridges Pedestrian Paving-Bases and Sub-Bases Pedestrian Paving-Paving & Surfacing
	G2040	Site Development	Fences & Gates Flagpoles Fountains, Pools & Watercourses Other Site Development Playing Fields Retaining Walls Site Development-Signage Site Furnishings Terracing & Perimeter Walls
	G2050	Landscaping	Erosion Control Measures Fine Grading & Soil Preparation Irrigation Systems Other Landscaping Planters Planting Seeding and Sodding Top Soil and Planting Beds
	G9010	Service and Pedestrian Tunnels	Pedestrian Tunnels Service Tunnels Trench Boxes

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
	G9090	Other Site Systems and Equipment	Snow Melting Systems
Site Utilities	G3010	Water Supply	Fire Protection Distribution and Storage
			Non Potable Water Distrib. and Storage
			Package Water Treatment Plants
			Potable Water Distribution and Storage
			Water Supply-Pumping Stations
	G3020	Sanitary Sewer	Well Systems
			Manholes & Cleanouts
			Packaged Water Waste Treatment Plants
			Sanitary Sewer-Lift Stations
			Sanitary Sewer-Piping
	G3030	Storm Sewer	Septic Disposal Systems
			Ditches & Culverts
			Dry Wells
			Headwalls & Catch Basins
			Manholes
			Retention Ponds
	G3040	Heating Distribution	Storm Sewer-Lift Stations
			Storm Sewer-Piping
			Condensate Return
			Heating Distribution-Pumping Stations
G3050	Cooling Distribution	Site Utilities-Hot Water Supply System	
		Steam Supply	
		Chilled Water Piping	
		Cooling Distribution-Pumping Stations	
G3060	Fuel Distribution	Cooling Towers on Site	
		Wells for Cooling/Heating	
		Fuel Dispensing Stations	
		Fuel Equipment	
G3090	Other Site Mechanical Utilities	Fuel Piping	
		Fuel Storage Tanks	
		Industrial Waste Systems	
		POL (Petroleum Oil & Lubricants) Distribution Systems	
G4010	Electrical Distribution	Distribution Equipment	
		Distribution Lines	
		Transforming Equipment	
G4020	Site Lighting	Fixtures & Transformers	
		Poles	
		Site Lighting Controls	
		Wiring Conduits & Ductbanks	
G4030	Site Communications and Security	Site Communications Systems	
		Site Security & Alarm Systems	
G4090	Other Site Electrical Utilities	Cathodic Protection	
		Site Emergency Power Generation	
Special Construction and Demolition	F1010	Special Structures	Air Supported Structures
			Other Special Structures
			Pre-engineered Structures
	F1020	Integrated Construction	Integrated Assemblies

WBS LEVEL 1 DESC	L2 CODE	WBS LEVEL 2 DESC	WBS LEVEL 3 DESC
			Other Integrated Construction
			Special Purpose Rooms
	F1030	Special Construction Systems	Other Special Construction Systems
			Radiation Protection
			Sound, Vibration & Seismic Const.
			Special Security Systems
			Vaults
	F1040	Special Facilities	Aquatic Facilities
			Ice Rinks
			Kennels & Animal Shelters
			Liquid & Gas Storage Tanks
			Other Special Facilities
			Site Constructed Incinerators
	F1050	Special Construction/Demolition- Special Controls and Instrumentation	Other Special Controls & Instrumentation
			Recording Instrumentation
			Special Construction/Demolition-Building Automation Systems
	F2010	Building Elements Demolition	Building Exterior Demolition
			Building Interior Demolition
	F2020	Hazardous Components Abatement	Encapsulation of Hazardous Components
			Removal of Hazardous Components