DOE CONDITION ASSESSMENT - WORK BREAKDOWN STRUCTURE UNIFORMAT II

SUBSTRUCTURE

FOUNDATIONS A10
- FOOTINGS
  - Spread
  - Strip
  - Grade Beam
- WALLS
- DAMP PROOFING WATERPROOFING
- EXCAVATION BACKFILL
- PILES CAISSONS

BASEMENT A20
- SLABS ON-GRADE
- COLUMNS
  - CIP Concrete
  - Precast
  - Metal
  - Wood
- COLUMN FIREPROOFING

SHELL

SUPER-STRUCTURE B10
- BEAMS
  - Cast-in-Place
  - Precast
  - Concrete
  - Steel
  - Wood
- PRE-ENGIN'RD BUILDINGS
  - Metal
  - Wood
- FLOORS
  - CIP Concrete
  - Precast
  - Concrete
  - Steel
  - Composite
  - Wood
- ROOF STRUCTURE
  - CIP Concrete
  - Steel
  - Wood
  - Precast
- FIRE-PROOFING
- STAIRS
  - CIP Concrete
  - Precast
  - Steel
  - Composite
  - Wood
  - Ladders

EXTERIOR CLOSURE B20
- WALLS
  - Concrete
  - Masonry
  - Stucco
  - Gunite
  - Stone/ Stone Veneer w/Straw Bales
- SIDING
  - Metal
  - Wood
  - Plastic
- EXTERIOR INSULATION & FINISH WALL
- DOORS
- WINDOWS & GLAZED WALLS
  - Windows
  - Glazed
  - Curtain Walls
- PAINT FINISHES / COATINGS
  - Conventional
  - Special
  - Finishes

ROOFING B30
- BUILT-UP MEMBRANE
- SINGLE-PLY MEMBRANE
- METAL
- COATED FOAM MEMBRANE
- SHINGLES
- TILES
- PARAPETS
- ROOF SPECIALTIES, HATCHES
  - SKYLIGHTS
  - DRAINAGE
  - GUNITE
  - CANOPIES

INTERIORS

CONSTRUCTION C10
- PARTITIONS CONVENTIONAL
  - Concrete / Masonry
  - Structural.
  - Tile
  - Drywall / Plaster
- PARTITIONS SPECIALTY
- TOILET PARTITIONS & ACCESSORIES
- INTERIOR
  - Doors
  - Cabinets
  - Fittings

STAIRS C20
- CIP Concrete
  - Precast
  - Steel
  - Composite
  - Wood
  - Ladders

FINISHES C30
- FLOOR FINISHING
  - Carpet
  - Composition / Resilient
  - Flooring
  - Floor (Concrete)
  - Terrazzo
  - Cork Tile
  - Tile
  - Wood
- CEILINGS
  - Drywall /Plaster
  - Acoustical
  - Wood
  - Concrete
  - Metal
- PAINT FINISHES / COATINGS
  - Conventional
  - Special
  - Finishes
- WALL COVERING
  - Coverings
  - Paneling
  - Tile

SERVICES

CONVEYING D10
- ELEVATORS
  - Hydraulic
  - Elevator
  - Traction Elevator
  - Escalators
- SPECIAL
  - Pneumatic Tube Systems
  - Hoists and Cranes

PLUMBING D20
- PLUMBING
  - Domestic Water
  - Drain, Waste & Vent
  - Compressed Air
  - Vacuum
  - Natural Gas
- SPECIAL SYSTEMS
  - Drinking Water SYSTEMS

HVAC D30
- HVAC All Inclusive
- COOLING
  - Centrifugal Chillers
  - Absorption Chillers
  - Packaged Reciprocation Chillers
  - Packaged Condensing Unit
  - Packaged HVAC
  - Refrigeration Compressors
  - Condenser
  - Cooling Towers
  - Chilled Water Distribution
  - Condenser Water
  - Chemical Water Treatment
  - Terminal Cooling Units
- HEATING & VENTILATING
  - Fuel Oil
  - Boilers
  - Hot Air Furnaces
  - Hot Water Distribution
  - Steam Distribution & Condensate Return
  - Chemical Treatment
  - Terminal Units
  - Air Handlers & Fans
  - Ductwork
- RENEWAB LE
  - Fuel Cells
  - Solar Energy
  - Wind Energy
  - Energy Efficiency

FIRE PROTECTION D40
- FIRE PROTECTION
  - Wet Pipe Sprinkler
  - Dry Pipe Sprinkler
  - Standpipe
  - Halon Fire Suppression
  - CO2 Fire Suppression

ELECTRICAL D50
- SERVICE & DISTRIBUTION
  - Service Entrance
  - Low Voltage Distribution
  - Medium Voltage Distribution
- LIGHTING
  - Luminaries
- SPECIAL SYSTEMS
  - Cable Trays
  - Communication Circuits
  - Control Units
  - Data Proc. Elec. Equip.
  - Generators/ Standby Equip.
  - Standby+Emergency
  - Health Care Fac. Elec. Equip.
  - Heating Baseboard Rad.
  - Lightning Prot. & Surge Supp.
  - Petrol. Disp.Fac.
  - Signal Circuits
  - Uninterruptible Power Supplies

SPEC. CONST.

SPECIALTY F10
- CANOPIES
- LOADING DOCKS
- TANKS
  - Elevated
  - Buried
  - Ground Level
- DOMES
- BULK STORAGE, METAL FRAMING
- LOUVERS & VENTS
- ACCESS FLOORS
- INTEGRATED CEILINGS
- MEZZANINE STRUCTURES
- WASTE HANDLING

BUILDING DEMO F20
- DEMOLITION
  - Building Elements
  - Electrical
  - Hazardous Components Abatement

SITEWORK

PREPARATION G10
- PREPARATION
  - Clearing
  - Demolition
  - Earthwork
  - Haz Waste Remediation

SITE IMPROVEMENTS G20
- ROADS AND WALKS
  - Parking
  - Roads
  - Walks
- LANDSCAPING
- FLAGPOLES
- SIGNAGE

MECHANICAL G30
- COOLING
  - Rotary Screw Chillers
  - Chilled Water Distribution System
- UTILITY DISTRIBUTION SYSTEMS
- PLUMBING
  - Water Treatment Plant
  - Water Distribution System
  - Sewage & Drainage Collection Systems
  - Wastewater Treatment Plant
  - Gas Distribution System
- HEATING
  - Fuel Oil Storage & Distribution
  - Coal Handling Sys
  - High Temperature Water Distribution
  - Steam Distribution & Condensate
  - Boilers
- STORM SEWER
  - Well Systems
  - Headwalls & Catchbasins
- UNDERGROUND TRANSPORT

ELECTRICAL G40
- ELECTRICAL
  - Switchyards
  - Substations
  - Overhead Transmission System
  - Underground Transmission System
  - Lighting
  - Communications/ Security
- UTILITY DISTRIBUTION INFRA
  - Steel Towers & Poles
  - Precast Concrete Poles
  - Wood Poles
  - Tower & Pole Foundations
  - Utility Service Tunnels
  - Utility Service Tunnels - Damp proofing / Waterproofing
  - Concrete Support Pads

SITE G90
- TUNNELS
- RAILWAYS & ROLLING STOCK
  - Trackwork
  - Signals & Comm.
- FOUNTAINS & POOLS
- SECURITY GATES & FENCES
- BRIDGES & ABUTMENTS

SHADING CAS INSPECTOR TYPE

Civil / Structural / Roof

Electrical

Mechanical

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