

BUILDING SYSTEMS AND EQUIPMENT CHECKLIST

Indicate systems and equipment to be included in project. Provide equipment data and area in spaces provided. When two or more subsystems are used, show portion of each by % of gross to nearest 10%.

STRUCTURAL

Foundation System

Ground Floor Area (SF) _____

Type	Footing Bottom From Existing Grade	Compacted Fill
_____ Spread Footings	_____ 2'	_____ Borrowfill 1'
_____ Thickened Slab @ Edge	_____ 3'	_____ Borrowfill 2'
_____ Pipe Foundation	_____ 4'	_____ Borrowfill 3'
_____ Caissons	_____ 5'	_____ Borrowfill 4'
_____ Continuous wall footing	_____ _____	_____ Borrowfill 5'
_____ Grade Beams		_____ Over 5'
_____ Special (See Site work Section)		

Slab on Grade

Slab on Grade (SF) _____

Type	Slab Thickness	Floor Live Load
_____ Floating	_____ 4"	_____ Under 100PSF
_____ Grade Beam Supported	_____ 5"	_____ 101-200 PSF
_____ Pile Supported	_____ 6"	_____ 201-300 PSF
_____ Reinforced	_____ 8"	_____ 301-400 PSF
	_____ Over 8"	_____ Over 400 PSF

Structural Design Criteria

Seismic	Roof Live/Snow Load	Wind Loading
_____ Performance Category	_____ Roof LL 20 PSF	_____ Wind 80 mph
_____ Exposure Group	_____ Roof LL 30 PSF	_____ Wind 92 mph
_____ Site/Soil Coeff	_____ Roof LL 40 PSF	_____ Wind 103 mph
	_____ Roof LL 50 PSF	_____ Wind 115 mph

Structural Frame Type

Gross Bldg. Area (SF) _____

- _____ Bearing Wall
- _____ Steel Frame
- _____ Concrete, Cast in Place
- _____ Wood
- _____ Concrete, Precast

Supported Floor

Supported Floor (SF) _____

- Type System**
- _____ Concrete, Cast in Place
 - _____ Concrete on Steel Joists
 - _____ Concrete on Steel Frame
 - _____ Concrete, Precast
 - _____ Wood

- Floor Design Live Load**
- _____ Under 40 PSF
 - _____ 40-60 PSF
 - _____ 61-80 PSF
 - _____ 81-100 PSF
 - _____ 101-150 PSF
 - _____ 151-200 PSF
 - _____ Over 200 PSF

- Span**
- _____ Under 26'
 - _____ 26'-35'
 - _____ 35'-45'
 - _____ 46'-55'
 - _____ 56'-65'
 - _____ Over 66'

Roof Structure

Area of Roof (SF) _____

- Framing**
- _____ Concrete, Cast in Place
 - _____ Precast Hollow Core
 - _____ Concrete Precast
 - _____ Wood
 - _____ Steel Joist
 - _____ Steel Framing

- Decking**
- _____ Steel
 - _____ Concrete Slab
 - _____ Wood
 - _____ Gypsum
 - _____ Other (List)

- Span**
- _____ Under 26'
 - _____ 26'-35'
 - _____ 35'-45'
 - _____ 46'-55'
 - _____ 56'-65'
 - _____ Over 65'

Pre-Engineered Building

Area (SF) _____

- Type**
- _____ Rigid Frame
 - _____ Post & Beam
 - _____ _____

- Eave Height**
- _____ Eave height under 12'
 - _____ Eave height 12'-20'
 - _____ Eave height over 20'

- Roof Slope**
- _____ 1 in 12
 - _____ 2 in 12
 - _____ 3 in 1
 - _____ >3 in 12

- Exterior Wall**
- _____ Prefinished Metal
 - _____ Masonry
 - _____ Insulation 'U'

- Roof Material**
- _____ Standing Prefinished Metal
 - _____ Standing Seam Metal
 - _____ Insulation 'U'

ARCHITECTURAL SYSTEMS

Roofing

Area of Roof (SF) _____

- Type Mat'l**
- _____ Built-up
 - _____ Shingles
 - _____ Sprayed
 - _____ Metal Roofing
 - _____ EPDM
 - _____ CSPE
 - _____ Other _____

- Insulation**
- _____ U = 0.03
 - _____ U = 0.04
 - _____ U = 0.05
 - _____ U = other

- Wind Uplift**
- _____ FM 1-30
 - _____ FM 1-60
 - _____ FM 1-90

- Fire Resistance**
- _____ Class A
 - _____ Class B
 - _____ Class C

Stairs

Number of Risers (SF) _____

- _____ Exposed
- _____ Enclosed
- _____ Exterior
- _____ Interior
- _____ None
- _____ Area of Rescue Assistance

- _____ Concrete
- _____ Steel
- _____ Steel Pan
- _____ Checkered Plate
- _____ Grate
- _____ Closed Riser
- _____ Open Riser
- _____ Ships Ladder
- _____ Attic Access

Exterior Wall System

Exterior Wall Area (SF) _____ U Value _____

- Exterior Surface**
- _____ Brick
 - _____ CMU
 - _____ Synthetic (EIFS)
 - _____ Metal Panels
 - _____ Stucco
 - _____ Wood
 - _____ Concrete, Cast In Place
 - _____ Concrete, Precast
 - _____ Stone (Granite, Marble, etc)
 - _____ Vinyl Siding
 - _____ Other

- Backup**
- _____ CMU
 - _____ Wood Studs
 - _____ Steel Studs
 - _____ Concrete, C-I-P
 - _____ Concrete, Precast
 - _____ Furring
 - _____ Other

- Story Height**
- _____ Under 12'
 - _____ 12'- 20'
 - _____ over 20'

- Insulation**
- _____ Batt R= _____
 - _____ Rigid R= _____
 - _____ Other _____

Interior Wall System
(excludes finishes)

Interior Wall Area (SF) _____

- Type**
- _____ Concrete Masonry Unit
 - _____ Steel Studs
 - _____ Wood Studs
 - _____ Concrete, Cast in Place

- Height**
- _____ 8'
 - _____ 9'
 - _____ 10'
 - _____ Over 10' (Height = _____ ft)

Interior Finishes
(show nominal % of each)

Gross Bldg. Area SF) _____

- Walls**
- _____ Gypsum Board, Painted
 - _____ CMU
 - _____ Ceramic Tile
 - _____ Wood Panels
 - _____ Plaster
 - _____ Vinyl Wall Covering
 - _____ Other
 - _____ Other

- Floors**
- _____ VCT
 - _____ Sheet Vinyl
 - _____ Ceramic Tile
 - _____ Quarry Tile
 - _____ Exposed Concrete
 - _____ Terrazzo
 - _____ Carpet
 - _____ Hardwood
 - _____ Special Toppings

- Ceiling**
- _____ Acoustical
 - _____ Gypsum Bd
 - _____ Plaster
 - _____ Concrete
 - _____ Spray on
 - _____ Metal Panel
 - _____ Exposed Structure
 - _____ Other _____
 - _____ Other _____

Doors and Hardware

Surface Area one Side (SF) _____

- Door Types**
- _____ Hollow Metal Exterior, Size
 - _____ Aluminum Store Front (glass), Size
 - _____ Wood Exterior, Size
 - _____ Folding, Size
 - _____ Overhead, Size
 - _____ Vault, Size
 - _____ Metal Security Door
 - _____ Wood Interior
 - _____ Hollow Metal Interior

- Frame Types**
- _____ Hollow Metal
 - _____ Steel Frame
 - _____ Aluminum
 - _____ Painted Wood
 - _____ Stainless Steel
 - _____ Other _____

Windows

Surface Area one Side (SF) _____

- Type**
- _____ Fixed
 - _____ Double Hung
 - _____ Projected
 - _____ Casement
 - _____ Sliding
 - _____ Storm
 - _____ Awning
 - _____ Jalousie
 - _____ Other _____

- Glazing**
- _____ Single
 - _____ Double
 - _____ Thermal
 - _____ Safety
 - _____ Wire glass
 - _____ Bullet Proof
 - _____ Re-glazing
 - _____ Other _____

- Frame**
- _____ Aluminum
 - _____ Painted Wood
 - _____ Vinyl Clad Wood
 - _____ Aluminum Clad
 - _____ Painted Steel
 - _____ Other
 - _____ Other

Specialties

Gross Bldg Area (SF) _____

- _____ Jail Doors/Locks
- _____ Clean Room
- _____ Case Work
- _____ Dark Rooms
- _____ Loading Dock Equip
- _____ Projection Screen
- _____ Marker & Tack Boards
- _____ Sign and Plaques
- _____ Flagpoles
- _____ Access Flooring
- _____ Telephone Enclosures
- _____ Ladders
- _____ Others
- _____

- _____ Toilet Accessories
- _____ Toilet Partitions
- _____ Wire Partitions
- _____ Metal Walkways
- _____ X Ray Shielding
- _____ Wardrobes (Dormitory)
- _____ Chest of Drawers (Dormitory)
- _____ Storage Shelving
- _____ Fireplaces
- _____ Movable Partitions
- _____ Postal Specialties
- _____ Exterior Sun
- _____ Control Devices
- _____

MECHANICAL SYSTEMS & EQUIPMENT

Plumbing

Number of Fixtures (EA) _____

Plumbing Fixtures

- _____ Flush Tank WC Floor mounted
- _____ Flush Tank WC wall mounted
- _____ Flush Valve WC floor mounted
- _____ Flush Valve WC wall mounted
- _____ Water Heater Electric
- _____ Water Heater Steam
- _____ Instantaneous W.H. Elec.
- _____ Instantaneous W.H. Steam
- _____ Water Heater Gas

- _____ Tub
- _____ Shower Fiberglass
- _____ Shower/Receptor
- _____ Shower Multi-head
- _____ Emergency Shower
- _____ Emergency Eye Wash
- _____ Emergency Shower
- _____ Eye Wash

Piping

- _____ Copper Pipe
- _____ PVC Pipe
- _____ Acid Resistant Pipe
- _____ Cast Iron Piping
- _____ Valves, Fittings
- _____ Fixture Rough-ins
- _____ Pressure Reducer
- _____ Arrestors

Roof Drainage

- _____ Gutter & Downspouts
- _____ Scupper & Downspouts
- _____ Roof Drains & Interior Piping

Building HVAC Systems

Heating Load - _____ MBH

Building Heating Systems

- _____ Boiler
- _____ Heat Exchanger
- _____ Other _____

Distribution Medium

- _____ Steam
- _____ Hot Water
- _____ Hot Air

Fuel

- _____ Gas
- _____ Oil
- _____ Coal
- _____ Electric
- _____ Geothermal

Cooling Load - _____ Tons

Building Cooling Systems

- _____ Heat Pump, Water Cooled
- _____ Heat Pump, Air Cooled
- _____ _____ Chiller
- _____ Direct Expansion
- _____ Reciprocating
- _____ Rotary Screw
- _____ Centrifugal
- _____ Steam Absorption
- _____ Cooling Tower
- _____ Thermal Storage
- _____ Roof Top Units
- _____ Single Zone
- _____ Multi Zone
- _____ Ventilation
- _____ Dual Temperature Water
- _____ Air Cooled Condensing Unit
- _____ Computer Room Glycol
- _____ Computer Room DX

Heating Equipment

- _____ Unit Heaters
- _____ Fin Tube Radiation
- _____ Individual Units
- _____ Cabinet Unit Heaters
- _____ Computer Room CW

- _____ H&V Units HW, Oil
- _____ Duct Mounted Coils
- _____ Heat Reclaim
- _____ Other _____

Air Distribution

- _____ Ducted Supply
- _____ Ducted Return
- _____ Dual Duct
- _____ H&V Unit
- _____ Air Handling Unit

- _____ Fan Coil Units
- _____ VAV Fan Powered
- _____ VAV Terminal Only
- _____ VAV Reheat

Mechanical Ventilation

- _____ Power Roof Exhaust Fans
- _____ In Line Exhaust Fans
- _____ In Line Supply Fans
- _____ Power Roof Supply Fans

Fan Capacity (CFM) _____

- _____ Fume Exhaust Hoods
- _____ Kitchen Exhaust Hoods
- _____ Kitchen Supply & Exhaust Hoods
- _____ Wall Exhaust & Fans

Dehumidification

_____ Desiccant
_____ Refrigeration

_____ Regenerative
_____ Non-Regenerative

CENTRAL PLANT SYSTEMS

Heating Capacity - _____ MBH

Cooling Capacity - _____ Tons

Central Heating Plant Equipment

_____ Chiller
_____ Boiler
_____ Geothermal
_____ Purchased (Outside source)

Central Cooling System

_____ Direct Expansion
_____ Reciprocating
_____ Rotary Screw
_____ Centrifugal
_____ Steam Absorption
_____ Cooling Tower
_____ Air Cooled Condenser
_____ Air Cooled Condensing Unit
_____ Thermal Storage

Distribution Medium

_____ Steam
_____ Hot Water
_____ High Temperature Hot Water

Fuel

_____ Gas
_____ Oil
_____ Coal
_____ Electric
_____ Geothermal

Fire Protection

Gross Area Sprinkled (SF) _____

Sprinkler Type

_____ Dry
_____ Wet
_____ Preaction
_____ Deluge
_____ Foam Water Deluge
_____ Other _____

Classification

_____ Light Hazard
_____ Ordinary Hazard
_____ Extra Hazard
_____ Limited Area
_____ Includes Booster Pump

Carbon Dioxide

_____ Hose Reel
_____ Flooding, Area
_____ Flooding, Total

Storage Capacity (LBS) _____

Fire Alarm

Gross Building Area (SF) _____

- _____ Manual
- _____ Automatic Detectors
- _____ Mechanical & Electrical
- _____ Extend Existing (Mfr. _____)

ELECTRICAL SYSTEMS

Power

Connected Load (KW) _____

	Voltage Panelboards	Transformers
_____ 120/208	____A ____V	voltage ____ V
_____ 277/480/120/208	____A ____V	Rating ____ KVA
_____ 277/480	____A ____V	
_____ 120/240	____A ____V	
_____ Alteration to Existing	____A ____V	
_____ Explosion Proof	____A ____V	
	____A ____V	

Lighting

Gross Building Area (SF) _____

- _____ Incandescent
- _____ Fluorescent
- _____ High Ind Discharge w/Battery Operated Emergency
- _____ High Ind Discharge (HID) High Bay
- _____ High Ind Discharge (HID) Low Bay
- _____ Explosion Proof @
- _____ Special System

Special Electrical Systems

Gross Building Area (SF) _____

- _____ Uninterruptable Power Supply (UPS)
- _____ Static/Battery
- _____ Motor Generator Set

Electrical Generators

Equipment Capacity (KW) _____

_____ Intermittent	_____ 120/240V, 1 PH, 60HZ	_____ 600 RPM
_____ Continuous	_____ 120/208V, 3PH, 60HZ	_____ 720 RPM
_____ Cogeneration	_____ 277/240V, 3PH, 60HZ	_____ 900 RPM
_____ Fire Pumps	_____ 347/600V, 3PH, 60HZ	_____ 1200 RPM
_____ Gas	_____ 4160V/2400V, 3PM, 60HZ	_____ 1800 RPM
_____ Diesel	_____ 11.5/6.5KV, 3PH, 60HZ	
_____ Turbine		
_____ Integral Radiators		
_____ Remote Radiators		

Special Electrical Protection

Gross Building Area (SF) _____

- _____ Lighting Protection
- _____ Lighting Grounding
- _____ Electronic Grounding
- _____ Distribution Grounding
- _____ Other _____

Energy Monitoring & Control System(ECMS)

- _____ Local Control
- _____ Remote Control
- _____ Building Only
- _____ Tie to Central System

Security Detection

- _____ Intrusion Alarm for Access Control
- _____ Access Control
- _____ TV Camera & Monitor
- _____ Conduit
- _____ Conduit & Wire

Communications Systems

- Telephone
- _____ Agency Owned System
 - _____ Conduit Only
 - _____ Conduit & Wire

- Public Announcement
- _____ Agency Owned System
 - _____ Conduit Only
 - _____ Conduit & Wire

- Television
- _____ Agency Owned System
 - _____ Leased Cable System
 - _____ Conduit Only
 - _____ Conduit & Wire

- Intercom
- _____ Theater Sound
 - _____ Two-way communication listening
 - _____ Special System (Describe)
 - _____ Includes PA Systems
 - _____ Conduit
 - _____ Conduit & Wire
 - _____ Leased System
 - _____ Agency Owned System

- Fire Alarm
- _____ Local
 - _____ To Fire Station
 - _____ Conduit Only
 - _____ Conduit & Wire

Special Systems and Equipment

- _____ Vacuum, Medical
- _____ Oxygen
- _____ Low Pressure below 150 psi
- _____ High Pressure above 150 psi

Gross Building Area (SF) _____

- _____ Vacuum, Industrial
- _____ Nitrogen
- _____ Compressed Air

Interior Steam System

- _____ High Pressure
- _____ Medium Pressure
- _____ Low Pressure
- _____ Chemical Treatments
- _____ Feed Water Equipment
- _____ With Condensate Return
- _____ Without Condensate Return

- _____ Gas Fired Boiler
- _____ Oil Fired Boiler
- _____ Electric Fired Boiler
- _____ Prefabricated Stack
- _____ Fire Tube
- _____ Water Tube
- _____ Controls
- _____ Fuel Oil Storage

Other

- _____ Dust Collection
- _____ Engine Exhaust, overhead
- _____ Engine Exhaust, under floor
- _____ Engine Exhaust, through door

CONVEYING EQUIPMENT

Bridge Cranes

- _____ Span under 50'
- _____ Span 51'-75'
- _____ Span over 75'

- _____ Capacity under 10T
- _____ Capacity 10-20T
- _____ Capacity 20-40T
- _____ Capacity over 40T

- _____ Run under 50'
- _____ Run 50-100'
- _____ Run over 100'

Monorails

- _____ Manual
- _____ Electric
- _____ Air Operated

- _____ Capacity under 5T
- _____ Capacity 5- 10T
- _____ Capacity over 10T

- _____ Run under 50'
- _____ Run 50 to 100'
- _____ Run over 100'

Fixed Hoist

- _____ Manual
- _____ Electric
- _____ Air Operated

Vehicle Lifts

- _____ Capacity under 5T
- _____ Capacity 5-10T
- _____ Capacity over 10T

Elevators

Number of Stops (EA) _____

- | | |
|-------------------|-----------------------|
| _____ Electric | _____ Passenger |
| _____ Hydraulic | _____ Freight |
| _____ Escalators | _____ Chair Lift(H/C) |
| _____ Conveyors | _____ Wheelchair Lift |
| _____ Dumbwaiters | |

BUILT-IN EQUIPMENT

Gross Building Area (SF) _____

- _____ Hospital Equipment
- _____ Dental Equipment
- _____ Food Service Equipment
- _____ Chapel Equipment
- _____ Movie neater Equipment
- _____ Rifle Range Equipment
- _____ Laboratory Equipment
- _____ Waste Disposal Equipment
- _____ Paint Spray Booth
- _____ Special Warehouse Equipment
- _____ Snow Melting Equipment
- _____ Exercise/Fitness Equipment
- _____ Athletic / Sports Equipment
- _____ Maintenance Shop Equipment
- _____ Vault
- _____ Parking Lot Control
- _____ Turnstiles / Personnel Access

Other Built-In Equipment (list):

DEMOLITION INTERIOR

Gross Building Area (SF) _____

Interior Demolition

- _____ Complete Interior of Bldg.
- _____ Complete Interior Partition
- _____ Complete Interior Finishes
- _____ Complete Interior Mechanical
- _____ Complete Interior Electrical
- _____ Other _____

Asbestos Removal

Total Cost (Lump Sum) _____

- _____ Asbestos Removal Roofing Felts, Insulation
- _____ Asbestos Removal - Piping, Equip
- _____ Asbestos Removal - Ceilings
- _____ Asbestos Removal - Fireproofing
- _____ Asbestos Removal - Floors

Lead Based Paint Removal

Total Cost (Lump Sum) _____

- _____ Bulk Removal (Material with lead-based paint still on it)
- _____ Surface Removal / Abatement

SITWORK SITE UTILITIES AND IMPROVEMENT DESCRIPTIONS

Exterior Electrical

Length of Run (LF) _____

- _____ Electrical Distribution, Primary _____ KV
- _____ Agency Owned
- _____ Utility Co _____
- _____ Electrical Distribution, Secondary _____ V _____ PH
- _____ Substation/Transformer _____ KVA rating

Exterior Communication

Length of Run (LF) _____

- _____ Fire Alarm Distribution
- _____ Security Alarm Distribution
- _____ Communication, Telephone Distribution
- _____ Exterior EMCS Distribution
- _____ Other _____

Area Lighting

Number of Fixtures (EA) _____

- Poles with Lights: _____
- Foot Candles Required _____
- Pole Type _____ Type Fixture _____ Mounting Height _____
- Building Mounted: _____
- Foot Candles Required _____
- Type Fixture _____ Mounting Height _____

Lighting Protection

- _____ Building
- _____ Electrical Systems

EXTERIOR MECHANICAL DISTRIBUTION

Length of Run (LF) _____

- _____ Heat Distribution, Overhead
- _____ Heat Distribution, Underground Encased
- _____ Heat Distribution, Underground Trenches
- _____ Chilled Water Distribution
- _____ Condensate Collection
- _____ Gas Distribution
- _____ Compressed Air Distribution

EXTERIOR WATER DISTRIBUTION

Length of Run (LF) _____

- _____ Water Distribution Piping
- _____ Fire Protection Water Distribution
- _____ Fire Hydrants
- _____ Water Pumping Station
- _____ Fire Booster Pump

EXTERIOR SANITARY SEWER COLLECTION

Length of Run (LF) _____

- _____ Sanitary Sewer Piping
- _____ Manholes
- _____ Sewage Pump Station
- _____ Sewage Lift Station
- _____ Domestic Sewage Treatment

EXTERIOR STORMWATER SYSTEM

Length of Run (LF) _____

- _____ Storm Drainage Piping
- _____ Box and Arch Culvert
- _____ Drainage Facing Materials
- _____ Retention Pond, Wet
- _____ Detention Pond, Dry
- _____ Underground Structure Detention
- _____ Median Detention

EARTHWORK

Volume, Curb Fill (Cu. Yd) _____

- _____ Site Clearing
- _____ Site Grading & Excavation
- _____ Site Irrigation
- _____ Site Dewatering (major)
- _____ Replacement of Unsuitable Materials & Compaction
- _____ Erosion Control
- _____ Environmental Protection

LANDSCAPING

Area Planted (SY) _____

- _____ In Construction Contract
- _____ Fine Grading
- _____ Fertilizing
- _____ Topsoil
- _____ Seeding
- _____ Sodding
- _____ Trees, Shrubs, Other
- _____ Plantings

_____ By Owner or Separate Contract

SITE IMPROVEMENTS

Area Developed (SY) _____

- _____ Retaining Walls
- _____ Signs
- _____ Site Furnishings
- _____ Flagpole & Misc.
- _____ Concrete Walks
- _____ Gravel Paths
- _____ Wells (Water)

- _____ Pedestrian Bridge - Open
- _____ Pedestrian Bridge - Enclosed
- _____ Pedestrian Tunnel
- _____ Steps/Ramps
- _____ Bituminous Walks
- _____ Special Walks
- _____ Other _____

ROADS - PAVED

Paved Area (SY) _____

- _____ Concrete Roads
- _____ Overlay Roads
- _____ Slurry Seal Road

- _____ Flexible (Bituminous) Roads
- _____ Surface Treatment Roads
- _____ Other _____

PARKING

Paved Area (SY) _____

- _____ Concrete Parking
- _____ Overlay - Parking
- _____ Slurry Seal Parking

- _____ Bituminous Parking
- _____ Surface Treatment - Parking
- _____ Graveled Parking Lot

FENCING

Length of Fencing (LF) _____

_____ Selected Areas
_____ Pedestrian Gates
_____ Alarms

_____ Entire Perimeter
_____ Vehicular Gates
_____ Other _____

POLLUTION ABATEMENT STRUCTURES

Water Treatment
Industrial Waste Treatment
Electro-Static Precipitator
Fields

Domestic Sewage Treatment
Oil Water Separators
Other: _____

Single Stage _____ Two Stage _____

RECREATION EQUIPMENT/FIELDS

Lump Sum (EA) _____

_____ Playground Equipment
_____ Tennis / Basketball Courts
_____ Football/Soccer/Lacrosse Fields
_____ Other _____

_____ Grandstands, Bleachers
_____ Softball/Baseball Fields
_____ Concession / Restroom Bldg
_____ Other _____

SUPPORTING STRUCTURES

Lump Sum (EA) _____

(Separate from building above)

_____ Central Heating Plant
_____ Central Cooling Plant
_____ Mechanical Equipment Building
_____ Vehicle Wash Platform
_____ Other _____

_____ Electrical Equipment Building
_____ Guard House / Security Gate
_____ Other _____

SPECIAL BUILDING FOUNDATIONS

Length (LF) _____

Piling

<u>Type</u>	<u>Length of Piling</u>	<u>Capacity (design)</u>
_____ Timber	_____ Under 25'	_____ 15 tons
_____ Concrete, Precast	_____ 26'-35'	_____ 20 tons
_____ Concrete, Pressure Inject	_____ 36'-45'	_____ 25 tons
_____ Steel H Piles	_____ 46'-55'	_____ 30 tons
_____ Steel Sheet Piling	_____ 56'-65'	_____ 35 tons
_____ Other _____	_____ 66'-95'	_____ 40 tons
	_____ Over 95'	_____ _____ tons

Caissons (Drilled and Cast-in-place)

_____ 24" Diameter	_____ Plain Bottom
_____ 36" Diameter	_____ Belled Bottom
_____ 48" Diameter	
_____ 60" Diameter	_____ ft Nominal Depth

Underpinning of Existing Structures

Lump Sum Amount (LS) _____

SITE DEMOLITION

Lump Sum (LS) _____

_____ Remove Utilities
_____ Remove Paving and Slabs
_____ Remove Structures
_____ Remove/Dispose of Asbestos (Exterior)
_____ Remove/Dispose of P.C.B.
_____ Remove/Dispose of Contaminated Earth