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**SECTION 02 41 13**  
**SITE DEMOLITION****PART 1 GENERAL****1.1 DESCRIPTION**

- A. Work included:
  - 1. Complete demolition of portions of existing building(s) indicated or as required in preparation for alterations and construction of new building(s).
  - 2. Removal of selected existing equipment and structures, relocation of selected equipment, and modifications to existing structures necessary for installation of new equipment.
  - 3. Items not listed in the salvage schedule shall become the property of Contractor and be removed or reused when authorized; equipment and materials not retained by Owner and not to be reused shall be legally disposed of off-site by Contractor.
  - 4. Take all necessary precautions to insure against damage to existing work to remain in place, to be reused, to remain the property of the Owner, and any damage to such work shall be repaired or replaced as approved at no additional cost to the Owner.
- B. Related Work specified elsewhere:

**1.2 SUBMITTALS**

- A. General: Submit in accordance with Section 01 30 00.
- B. Obtain, pay for, and submit all permits required for execution of demolition work including the following:
  - 1. Permit for transport and disposal of debris.
  - 2. Demolition procedures and operation sequence.
- C. Submit demolition procedures and operation sequence.
- D. Permits for Disposal of Debris:
  - 1. Arrange for legal disposal of debris and obtain written agreements with the owners of the property where the debris shall be deposited.
  - 2. Provide a certification of disposal (use form attached at the end of this section) that an agreement releasing the Owner from all responsibility in connection with the disposal of the debris was executed.

**1.3 COORDINATION**

- A. Contract Coordination: Demolition shall occur under multiple contracts and shall be coordinated through the General Contractor.
- B. Utility Removal: Arrange with utility companies for changes in their equipment, and capping of pipes and wiring as required.
- C. Schedule disruption of utilities or facilities with the Owner a minimum of 48 hours in advance of shut-down.
- D. Maintaining Traffic:
  - 1. Do not close or obstruct public streets, sidewalks, alleys or passageways without permission from authorities having jurisdiction.
  - 2. If required by authorities, provide alternate routes around closed or obstructed traffic ways.

**1.4 JOB CONDITIONS**

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- A. Existing Conditions: Survey existing work and examine the Contract Documents to determine extent of demolition work.
  - B. Protection:
    - 1. Includes but not limited to erecting barriers, dust partitions, fences, guard rails, enclosures, chutes and shoring as required to protect structures and utilities remaining intact.
    - 2. Protect any trees, plants, grass and other landscaping designated to remain from damage. Replace any trees, plants or other landscaping materials designated to remain that are damaged during the work under this Contract.
    - 3. Protect the interior of the building and all materials and equipment from the weather at all times. Replace materials and equipment damaged by weather at no additional cost to the Owner.
    - 4. Control activities to prevent the spread of dust to occupied portions of the building and avoid nuisance in surrounding areas.
    - 5. Take necessary precautions to insure against damage to existing materials or equipment to remain in place, to be reused, or to remain the property of the Owner. Repair or replace damaged materials and equipment at no additional cost to the Owner.

## **PART 2 PRODUCTS - NOT USED**

### **2.1 TEMPORARY PARTITIONS**

- A. Fire Resistant Construction: Provide temporary fire rated partitions where indicated on the Drawings, or required to maintain fire rated assemblies (exit ways) during construction.
    - 1. Framing: Galvanized steel studs and tracks.
      - a. Minimum spacing: 24 inches, O.C.
      - b. Minimum thickness: 26 gage
      - c. Minimum stud width: 2-1/2 inches
      - d. Stud design: Provide studs to resist 5 psf uniform load applied perpendicular to partition face with a maximum deflection of L/120. Refer to ASTM C754 and manufacturer's height tables for thickness, heights and stud spacing.
    - 2. Covering:
      - a. Exterior and wet locations: Fire treated APA Exposure 1 plywood.
      - b. Other locations: ASTM C1396, Type X gypsum wallboard.
    - 3. Fastener: Drywall screws or powder actuated pins.
  - B. Non-rated Construction: Provide temporary partitions where required to protect existing facility from damage and to contain dust during construction.
    - 1. Framing: 2 x 4 wood studs, WWPA stud grade.
    - 2. Covering:
      - a. Exterior and wet locations: APA Exposure 1 plywood.
      - b. Other locations: ASTM C1396, gypsum wallboard.
    - 3. Fasteners: Nails or powder actuated pins.
  - C. Sealant:
    - 1. Provide oleoresinous sealant under floor runners attached to unfinished surfaces to prevent dusting from construction area.
    - 2. Provide nonstaining foam tape under floor runners and framing attached to finished surfaces.
  - D. Insulation: Insulate exterior partitions with 3-1/2 inch kraft faced batt insulation with a maximum flame spread of 25.
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- E. Doors: Provide dustproof doors with floor, jamb, and head seals.
- F. Polyethylene Sheeting: Provide 6-mil clear or black sheeting to cover partitions exposed to the weather.

### **PART 3 EXECUTION**

#### **3.1 PREPARATION**

- A. Preparation:
  - 1. Verify the extent of demolition work to be performed with the Architect.
  - 2. Verify that structures, equipment or spaces to be demolished are isolated, unoccupied and discontinued in use.
  - 3. Arrange for and verify termination of utility services, including removing meters and capping lines.
  - 4. Remove items scheduled to be salvaged for Owner and place in designated storage area.
- B. Install partition straight and plumb. Apply polyethylene sheeting over partitions on the partition side subject to weather.

#### **3.2 DEMOLITION**

- A. Demolition:
  - 1. Demolish structures in accordance with demolition procedures submitted.
  - 2. Maintain area outside in as clean condition as possible during progress of demolition work.
  - 3. Care shall be taken in partial removal of existing masonry or stonework, where new work shall be tied-in to achieve "tooth-effect", by removal of each whole unit along its horizontal and vertical mortar joints.
  - 4. Remove masonry necessary for required opening.
  - 5. Make straight-sided rectangular openings, with masonry power saw, only where authorized.
  - 6. Existing utilities shall be removed as indicated; when utility lines are encountered that are not indicated on the Contract Drawings, the Owner and Architect shall be notified.
  - 7. Use of explosives will not be permitted.
  - 8. Limit dust to lowest practicable level.
  - 9. Do not use water to extent of causing flooding, contaminated runoff or icing.
  - 10. Repair damage to adjacent construction or structures.
  - 11. Remove all clamps, brackets, supports, hangers, conduits, controls, wire, equipment/housekeeping pads, etc. associated with equipment/pipe indicated to be removed and patch all areas to match adjacent areas.
- B. Owner has the right to salvage any materials or equipment including but not limited to items listed in the salvage schedule.
- C. Following completion of demolition work, remove temporary partitions and repair any damages to adjacent finishes.

#### **3.3 DISPOSAL**

- A. Disposal:
  - 1. Remove demolition debris to designated disposal area promptly.
  - 2. Do not store or burn materials on-site.
  - 3. Disposal areas shall be approved by Department of Environmental Protection and any other authorities having jurisdiction.

**3.4 SALVAGE SCHEDULE**

- A. Owner reserves first right of refusal of any items or equipment scheduled to be demolished. Any items the Owners chooses to retain shall be removed by the contractor and turnedover to the Owner.

ITEM	PREPARATION	DISPOSITION

**CERTIFICATE OF DISPOSAL**

The undersigned hereby attests that they have written agreements to dispose from the York County Central Booking Relocation Project, {GT#1000024} County, {GT#1000025} and hereby certifies that all disposal of debris is in accordance with all Federal, State and local laws and regulations.

Approximate Quantity of Material Disposed: \_\_\_\_\_ Cubic Yards

Type of Material Disposed: \_\_\_\_\_

Location of Disposal Site: \_\_\_\_\_

Contractors: \_\_\_\_\_

_____ President (Signature)
_____ (Typed/Printed Name)
_____ Treasurer (Signature)
_____ (Typed/Printed Name)
_____ (Corporate Seal)

Attest: _____ Secretary (Signature)
_____ (Typed/Printed Name)

**END OF SECTION 02 41 13**