

**Part 1 General**

**1.1 REFERENCES**

- .1 CSA International
  - .1 CSA S350-M1980(R2003), Code of Practice for Safety in Demolition of Structures.

**1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.

**1.3 SITE CONDITIONS**

- .1 If material resembling spray or trowel-applied asbestos or other designated substance listed as hazardous be encountered, stop work, take preventative measures, and notify Departmental Representative immediately.
  - .1 Proceed only after receipt of written instructions have been received from Departmental Representative.
- .2 Notify Departmental Representative before disrupting building access or services.
- .3 Visit and examine the site and note all characteristics and irregularities affecting the work of this Section.

**1.4 PROTECTION**

- .1 Protect interior office equipment and spaces from debris that may fall as a result of roofing operations.
- .2 Prevent movement or settlement of adjacent work. Provide and place bracing or shoring and be responsible for safety and support of such work. Be liable for any such movement or settlement, and any damage or injury caused.
- .3 Cease operations and notify Departmental Representative if safety of any adjacent work or structure appears to be endangered. Take all precautions to support the structure. Do not resume operations until reviewed with the Departmental Representative.
- .4 Ensure safe passage of building occupants around area of demolition.
- .5 Cease operations and notify the Departmental Representative immediately for special protective and disposal instructions when asbestos materials or other hazardous materials are uncovered during the work of this project.
- .6 Prevailing weather conditions and weather forecasts shall be considered. Demolition work shall not proceed when weather conditions constitute a hazard to the workers and site.

- .7 Prevent debris from blocking surface drainage inlets and mechanical and electrical systems which remain in operation.
- .8 Temporarily suspended work that is without continuous supervision, shall be closed off to prevent entrance of unauthorized persons.

## **1.5 TEMPORARY PARTITIONS**

- .1 Erect and maintain dustproof partitions, seal off ducts as required to prevent spread of dust and fumes to other parts of the building. On completion, remove partitions and make good surfaces to match adjacent surfaces.

## **1.6 SALVAGEABLE AND RECYCLABLE MATERIALS**

- .1 Except where otherwise specified, all materials indicated or specified to be permanently removed from the Place of the Work shall and become Contractor's property. Maximize to the fullest extent possible, the salvage and recycling of such materials, consistent with proper economy and expeditious performance of the Work.
- .2 To reduce the quantity of material otherwise destined for disposal at a landfill, the Contractor is encouraged to consider utilizing the services of businesses and non-profit organizations that specialize in salvage and recycling of used building materials, but does so at his own option and risk.
- .3 A current listing of recyclers specializing in specific categories of materials, refer to Section 01 74 21 for Contact Info.

## **Part 2 Products**

### **2.1 MATERIALS AND EQUIPMENT**

- .1 Provide materials and equipment as required to perform work of this Section.

## **Part 3 Execution**

### **3.1 EXAMINATION**

- .1 Inspect building with Departmental Representative and verify extent and location of items designated for removal, disposal, alternative disposal, recycling, salvage and items to remain.
- .2 Locate and protect utilities. Preserve active utilities traversing site in operating condition.
- .3 Notify and obtain approval of utility companies before starting demolition.

### **3.2 EXISTING SERVICES**

- .1 Disconnect all existing mechanical and electrical lines in the areas where existing roof membrane is to be demolished. Post warning signs on all electrical lines and mechanical equipment.
- .2 Disconnect and cap all mechanical services in accordance with requirements of local authority having jurisdiction. Natural gas supply lines shall be removed by the gas company or by a qualified tradesman in accordance with gas company instructions.

### **3.3 PREPARATION**

- .1 Protection of In-Place Conditions:
  - .1 Prevent movement, settlement, or damage to adjacent structures, utilities, and landscaping features to remain in place. Provide bracing and shoring required.
  - .2 Keep noise, dust, and inconvenience to occupants to minimum.
  - .3 Protect building systems, services and equipment.
  - .4 Provide temporary dust screens, covers, railings, supports and other protection as required.

### **3.4 DEMOLITION**

- .1 Carry out demolition work in accordance with CSA S350, unless otherwise specified.
- .2 Remove from the site all materials indicated to be removed.
- .3 Carry out demolition in a manner to minimize inconvenience to adjacent occupied space.
- .4 Carry out demolition in an orderly and careful manner.
- .5 Before commencing general demolition, separate by hand demolition, attached structures to remain from structure to be demolished.
- .6 Sprinkle exterior debris with water to minimize dust. Do not cause flooding, contaminated runoff or icing. Do not allow waste material, rubbish, and windblown debris to reach and contaminate adjacent properties.
- .7 Lower waste materials in a controlled manner; do not drop or throw materials from heights.
- .8 Burning of materials on site is not permitted.

### **3.5 RESTORATION**

- .1 Restore to its original condition any portion of the building demolished unnecessarily, at no expense to the Departmental Representative.

### **3.6 CLEANING**

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.

- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
- .3 Refer to demolition drawings and specifications for items to be salvaged for reuse.
- .4 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
  - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

### **3.7 SCHEDULE**

- .1 Items to be re-installed:
  - .1 HVAC Units.
  - .2 Electrical.
- .2 Items to be removed and replaced:
  - .1 Departmental Representative has first right of refusal.
  - .2 Roof Drain Covers.
  - .3 Existing roof system including ballast and insulation.

**END OF SECTION**