

**Part 1            General**

**1.1                RELATED REQUIREMENTS**

- .1        Section 02 82 00.01 - Asbestos Abatement - Minimum Precautions.
- .2        Section 02 83 10 - Lead Abatement - Minimum Precautions.
- .3        Section 02 83 12 - Lead Abatement - Maximum Precautions (optional).
- .4        Section 02 85 00.02 - Mould Remediation - Medium Precautions.
- .5        Section 04 03 43 - Historic - Dismantling Stone Masonry.
- .6        Section 04 21 19 - Clay Tile Masonry.
- .7        Section 06 03 15 - Historic - Storage and Protection of Wood.
- .8        Section 07 61 00 - Sheet Metal Roofing.
- .9        Section 07 62 00 - Sheet Metal Flashing and Trim.
- .10      Section 31 04 31 - Historic - Subgrade Shoring and Bracing.

**1.2                REFERENCES**

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

**1.3                ACTION AND INFORMATIONAL SUBMITTALS**

- .1        Submit in accordance with Section 01 33 00 - Submittal Procedures and 01 74 21 - Construction/Demolition Waste Management Disposal.
- .2        Submit demolition drawings:
  - .1        Submit for review and approval by Departmental Representative shoring and underpinning drawings stamped and signed by professional engineer member of the Ordre des ingénieurs du Québec, showing proposed method.

**1.4                SITE CONDITIONS**

- .1        General Contractor or specialized contractors will not be allowed to carry out massive demolition. General Contractor must coordinate selective demolition with specialized contractors.
- .2        Contractor General must sequence demolition work, integrating all trades requiring demolition work.
- .3        Demolition work sequence must be integrated into work schedule in accordance with Section 01 32 16.07 Construction Progress Schedule - Bar (Gantt) Chart.
- .4        General Contractor must schedule meeting with Departmental Representative and professionals prior to start of work to understand scope of selective demolition.

- .5 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.
- .6 Notify Departmental Representative before disrupting building access or services.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not used.

**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.
- .4 Disconnect, cap, plug or divert, as required, existing public utilities within the property where they interfere with the execution of the work, in conformity with the requirements of the authorities having jurisdiction. Mark the location of these and previously capped or plugged services on the site and indicate location (horizontal and vertical) on the record drawings. Support, shore up and maintain pipes and conduits encountered.
  - .1 Immediately notify Departmental Representative and utility company concerned in case of damage to any utility or service, designated to remain in place.
  - .2 Immediately notify the Departmental Representative should uncharted utility or service be encountered, and await instruction in writing regarding remedial action.

**3.2 PREPARATION**

- .1 Protection of In-Place Conditions:
  - .1 Prevent movement, settlement, or damage to adjacent structures, utilities, and parts of building 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.
  - .5 Do Work in accordance with Section 01 35 29.06 - Health and Safety Requirements.

- .2 Demolition/Removal:
  - .1 Remove items as indicated.
    - .1 Chimney pots
      - .1 A number of smoke shafts contain vermiculite. The Contractor will have to provide safe access to the chimney pots quickly after beginning construction to allow for an additional characterization (by consultant of PWGSC's Environmental Services).
      - .2 Concrete copings of chimney stalks
        - .1 Carefully and gradually remove the concrete layer covering the original stone copings underneath.
        - .2 In presence or Departmental Representative, record the original stone coping (annotated drawings with measurements and photographs, to be included in the project file).
      - .3 Stone masonry chimney stalks, in accordance with Section 04 03 43 - Historic - Dismantling Stone Masonry.
        - .1 Take all the precautions required for removing hazardous substances, in accordance with Section 02 83 10 - Lead Abatement - Minimum Precautions or with Section 02 83 12 - Lead Abatement - Maximum Precautions (based on the assessment which will be carried out at the beginning of the work).
      - .4 Existing painted galvanized steel roofing (battens seams), gutters, downspouts and other accessories.
        - .1 Take all the precautions required for removing hazardous substances, in accordance with Section 02 83 10 - Lead Abatement - Minimum Precautions.
      - .5 Existing fire separation (asbestos-cement panels, wood studs and fire-resistant coating), while taking care not to damage the existing wood roof truss.
        - .1 Take all the precautions required for removing hazardous substances, in accordance with Section 02 82 00.01 - Asbestos Abatement - Minimum Precautions.
        - .6 Portions of the wood roof frame damaged by water and moulds, in accordance with Section 06 03 15 - Historic - Splicing of Wood Components and with structural drawings.
          - .1 Take all the precautions required for removing hazardous substances, in accordance with Section 02 85 00.02 - Mould Remediation - Medium Precautions.
    - .2 Trim edges of partially demolished building elements to tolerances as defined by Departmental Representative to suit future use.

### **3.3 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 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.

**END OF SECTION**