

**Partie 1      General**

**1.1            RELATED REQUIREMENTS**

- .1      The list of Work in this division is indicative but non-limiting. It does not exclude Work described in other specification divisions shown on the drawings or required for full execution of the Work as intended on the drawings.
- .2      Section 02 41 13      Selective Site Demolition.
- .3      Section 02 41 16      Structure Demolition.
- .4      Section 02 82 00.03      Asbestos Abatement – Maximum Precautions.
- .5      Section 02 83 12      Lead – Base Paint Abatement – Maximum Precautions.
- .6      Section 04 03 43      Historic – Dismantling Stone Masonry.
- .7      Section 04 05 00      Common Work Results for Masonry.
- .8      Section 05 12 23      Structural Steel for Buildings.
- .9      Section 05 70 10      Ornamental Metalwork Restoration.
- .10     Section 06 03 15      Historic – Splicing of Wood Components.
- .11     Section 06 10 01      Rough Carpentry.
- .12     Section 06 20 00      Finish Carpentry.
- .13     Section 06 40 00      Architectural Woodwork.
- .14     Section 07 52 00      Modified Bituminous Membrane Roofing.
- .15     Section 07 61 00      Sheet Metal Roofing.
- .16     Section 07 62 00      Sheet Metal Flashing and Trim.
- .17     Section 08 03 14      Historic works – Period Wood Door Repair.
- .18     Section 08 52 05      Historic works- Existing wood windows.
- .19     Section 09 03 51      Historic works – Plaster.
- .20     Section 09 22 14      Historic works- Furring and Lathing.
- .21     Section 09 66 13      Portland Cement Terrazzo Flooring.
- .22     Section 21 05 05      Common Work Results for Fire Suppression.
- .23     Section 22 05 00      Common Work Results for Plumbing.
- .24     Section 23 05 00      Common Work Results for HVAC.
- .25     Section 23 57 00      Heat Exchangers for HVAC.
- .26     Section 26 05 00      Common Work Results for Electricity.

## **1.2 REFERENCES**

- .1 CSA International
  - .1 CSA S350-FM1980 (R2003), Code of Practice for Safety in Demolition of Structures.
- .2 U.S. Environmental Protection Agency (EPA)/Office of Water
  - .1 EPA 832/R-92-005, Storm Water Management for Construction Activities: Developing Pollution Prevention Plans and Best Management Practices.

## **1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures and Section 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 registered or licensed in Quebec, Canada, 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 Temporary protection of vestiges of burned building cannot be removed without authorization from Departmental Representative.
- .3 Contractor General must sequence demolition work, integrating all trades requiring demolition work.

Demolition work sequence in paragraph 1.5.3 of this section 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, including minutes of the meeting drawn up by the General Contractor handed out to all specialized trades and explain selective demolition work sequencing to specialized contractors.
- .5 Verify hazardous materials report and take necessary measure to preserve the environment.
- .6 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.
- .7 Notify Departmental Representative before disrupting building access or services.
- .8 The following table is a summary as described in paragraph 1.2.1 of this section.

<b>SUMMARY OF SELECTIVE CONSTRUCTION DEMOLITION</b>			
<ul style="list-style-type: none"> <li>The following table does not replace Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</li> <li>The table is intended as a general guide for the general contractor and specialized contractors for the selective construction demolition. This table does not release the general contractor and specialized contractors of their responsibility to schedule and distribute the work.</li> <li>Jointly consult plans and drawings for each discipline.</li> </ul>			
<b>Item</b>	<b>Short form description of materials to be removed by selective demolition.</b>	<b>Specification sections corresponding to materials to be removed by selective demolition.</b>	<b>Specification sections of high importance to consider for materials to be removed by selective demolition.</b>
1	Existing landscaping features to modify and/or relocate.	Section 02 41 13 Selective Site Demolition.	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 13.43 Special Projects Procedures for Contaminated Sites.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 74 21 Construction/Demolition Waste Management and Disposal.
2	Protection of temporary vestiges: Which includes protection of openings, walls (wood and/or metal framing, including steel retaining or shoring structures), floors, roofs (wood and/or metal framing and membrane on wood decking) and sectors encapsulated with paint, panels or plastic film.	Section 02 41 16 Structure Demolition.  Section 06 10 01 Rough Carpentry – Short Form.  Section 02 83 12 Lead – Base Paint Abatement – Maximum Precautions.  Section 04 03 43 Historic -	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures -

		<p>Dismantling Stone Masonry.</p> <p>Section 04 05 00 Common Work Results for Masonry.</p> <p>Section 05 12 23 Structural Steel for Buildings.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 05 50 00 Metal Fabrications.</p>	<p>Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 02 82 00.03 Asbestos Abatement - Maximum Precautions.</p> <p>Section 06 03 15 Historic – Wood Joint Repair.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
3	Existing stone masonry to preserve on site to be cleaned and repointed, and/or replaced, keeping all elements identified on plans and/or that must be reproduced identically. Eliminating or modifying metal and wood inserts.	<p>Section 04 03 43 Historic - Dismantling Stone Masonry.</p> <p>Section 04 05 00 Common Work. Results for Masonry.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 05 50 00 Metal Fabrications.</p>	<p>Section 01 11 01 General Information</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
4	Existing brick masonry to preserve on site to be cleaned and repointed, and/or replaced, keeping all elements identified on plans and/or that must be reproduced identically. Eliminating or modifying metal and wood inserts.	<p>Section 02 83 12 Lead - Base Paint Abatement - Maximum Precautions.</p> <p>Section 04 03 31 Historic - Replacing Brick.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety</p>

		<p>Section 04 05 00 Common Work Results for Masonry.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 05 50 00 Metal Fabrications.</p>	<p>Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
5	Construction steel to replace, modify or remove from site.	<p>Section 05 12 23 Structural Steel for Buildings.</p> <p>Section 04 03 31 Historic - Replacing Brick.</p> <p>Section 04 05 00 Common Work Results for Masonry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
6	Insulation in crawlspaces, including wood panels, gypsum panels and sealing film.	<p>Section 02 82 00.03 Asbestos Abatement - Maximum Precautions.</p> <p>Section 06 10 00 Rough Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures -</p>

			<p>Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
7	<p>Wood openings, windows and doors, preserving all elements to be reproduced identically or indicated to remain in place. Eliminating or modifying metal and wood inserts.</p>	<p>Section 02 83 12 Lead - Base Paint Abatement - Maximum Precautions.</p> <p>Section 04 03 31 Historic - Replacing Brick.</p> <p>Section 04 05 00 Common Work Results for Masonry.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 06 20 00 Finish Carpentry.</p> <p>Section 08 03 11 Historic – Period Wood Doors.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
8	<p>Openings, hinged or fixed panels.</p>	<p>Section 04 03 31 Historic - Replacing Brick.</p> <p>Section 04 05 00 Common Work Results for Masonry.</p> <p>Section 06 10 00 Rough Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p>

			<p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
9	Wood decking for floor and floor joists to be removed, preserving elements. indicated on plans to be reproduced identically.	<p>Section 02 41 16 Structure Demolition.</p> <p>Section 02 82 00.03 Asbestos Abatement - Maximum Precautions.</p> <p>Section 06 10 01 Rough Carpentry.</p> <p>Section 06 10 00 Rough Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
10	Ossature de cloison en bois à conserver en place et à modifier	<p>Section 02 82 00.03 Asbestos Abatement - Maximum Precautions.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 06 20 00 Finish Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>

11	Wood mouldings, woodwork, interior doors and stairs to be salvaged to be restored or reproduced identically.	<p>Section 02 82 00.03 Asbestos Abatement - Maximum Precautions.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 06 20 00 Finish Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
12	Plaster on masonry and lattice to clean, delaminate and protect.	<p>Section 02 83 12 Lead - Base Paint Abatement - Maximum Precautions.</p> <p>Section 09 01 20 Maintenance of Plaster and Gypsum Board.</p> <p>Section 06 20 00 Finish Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
13	Removal of membrane roof in QM sector, including post framing and insulation. Bearing structure to be preserved.	<p>Section 02 41 16 Structure Demolition.</p> <p>Section 07 52 00 Modified Bituminous Membrane Roofing.</p> <p>Section 06 10 00 Rough Carpentry.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety</p>



			<p>Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
14	<p>Removal of metal sheets (copper), preserving elements to be reproduced identically or indicated to remain in place.</p> <p>Partial removal of damaged decking and openings for new electrical/mechanical equipment.</p>	<p>Section 02 41 16 Structure Demolition.</p> <p>Section 06 10 00 Rough Carpentry.</p> <p>Section 07 61 00 Sheet Metal Roofing.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 54 24 Temporary Scaffolding Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
15	<p>Terrazzo cuts, preserving elements indicated on plans.</p>	<p>Section 09 66 13 Portland Cement Terrazzo Flooring.</p> <p>Section 02 41 16 Structure Demolition.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures -</p>

			Special Protection. Section 01 74 21 Construction/Demolition Waste Management and Disposal.
16	Holes to be made in stone, brick, concrete and wood framing.	Section 02 41 16 Structure Demolition.  Section 04 03 31 Historic - Replacing Brick.  Section 04 03 43 Historic - Dismantling Stone Masonry.  Section 04 05 00 Common Work Results for Masonry.  Section 06 10 00 Rough Carpentry.	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures - Special Protection.  Section 01 74 21 Construction/Demolition Waste Management and Disposal.
17	Structural elements: steel, wood, bearing and non-bearing masonry	Section 02 41 16 Structure Demolition.  Section 04 03 31 Historic - Replacing Brick.  Section 04 03 43 Historic - Dismantling Stone Masonry.  Section 04 05 00 Common Work Results for Masonry.  Section 06 10 00 Rough Carpentry.	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures - Special Protection.  Section 01 74 21 Construction/Demolition Waste Management and Disposal.
18	Electrical appliances, wiring and equipment	See electricity plans and drawings.  Section 26 05 00	Section 01 11 01 General Information.  Section 01 32 16.07

		Common Work Results for Electricity.	Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures - Special Protection.  Section 01 74 21 Construction/Demolition Waste Management and Disposal.
19	Plumbing appliances, pipes and equipment	See plumbing plans and drawings.  Section 22 05 00 Common Work Results for Plumbing.	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures - Special Protection.  Section 01 74 21 Construction/Demolition Waste Management and Disposal.
20	Fire protection appliances, pipes and equipment.	See fire protection plans and drawings.  Section 21 05 05 Common Work Results for Fire Suppression.	Section 01 11 01 General Information.  Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.  Section 01 35 29.06 Health and Safety Requirements.  Section 01 35 92 Historic Structures -

			<p>Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
21	Ventilation appliances, ducts and equipment.	<p>See mechanical plans and drawings.</p> <p>Section 23 05 00 Common Work Results for HVAC.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>
22	Heating appliances, pipes and equipment.	<p>See mechanical specifications.</p> <p>Section 23 05 00 Common Work Results for HVAC.</p>	<p>Section 01 11 01 General Information.</p> <p>Section 01 32 16.07 Construction Progress Schedule – Bar (Gantt) Chart.</p> <p>Section 01 35 29.06 Health and Safety Requirements.</p> <p>Section 01 35 92 Historic Structures - Special Protection.</p> <p>Section 01 74 21 Construction/Demolition Waste Management and Disposal.</p>

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**Partie 2      Product**

**2.1            NOT USED.**

**Partie 3      Execution**

**3.1            EXAMINATION**

- .1      Inspect 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      Temporary Erosion and Sedimentation Control:
  - .1      Provide temporary erosion and sedimentation control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to: requirements of authorities having jurisdiction.
  - .2      Inspect, repair, and maintain erosion and sedimentation control measures during demolition.
  - .3      Remove erosion and sedimentation controls and restore and stabilize areas disturbed during removal after completion of demolition work.
- .2      Protection of in-place conditions:
  - .1      Prevent movement, settlement, or damage to adjacent structures, utilities, and landscaping features 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.
- .3 Demolition/Removal:
  - .1 Remove items as indicated.
  - .2 Removal of Pavements, Curbs and Gutters:
    - .1 Square up adjacent surfaces to remain in place by saw cutting or other method approved by Departmental Representative.
    - .2 Protect adjacent joints and load transfer devices.
    - .3 Protect underlying and adjacent granular materials.
  - .3 Remove parts of existing [building] to permit new construction.
  - .4 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 for reuse/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.

**END OF SECTION**