

Part 1 General

- .1 This section specifies requirements for demolishing, salvaging and removing wholly or in part, various items designated to be removed or partially removed to facilitate repairs to the parkade. Disposal of debris generated from the work as well as protection of items designated to remain are also covered under this section

1.2 SECTION INCLUDES

- .1 Methods and procedures for deconstruction of structures and parts of structures.

1.3 REFERENCES

- .1 Reference Standards:
 - .1 Canadian Standards Association (CSA International)
 - .1 CSA S350-[M1980(R2003)], Code of Practice for Safety in Demolition of Structures.
 - .2 National Building Code 2010, Part 8 - Safety Measures at Construction and Demolition Sites

1.4 MEASUREMENT PROCEDURE

- .1 No measurement will be made under this section. Include costs in item of work for which demolishing is required.

1.5 SUBMITTALS

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

1.6 SITE CONDITIONS

- .1 Existing Conditions:
 - .1 The work will be carried out in phases. Site protection to occupied areas in the powerhouse are therefore paramount, particularly during the demolition phase. Interruption or damage to the main power feed cables into the Institution and result in a catastrophic Institution shut down situation.
- .2 Protection:
 - .2 Protect existing structures and services designated to remain and items designated for salvage. In event of damage to such items, immediately replace or make repairs to approval of Departmental Representative and at no cost to Department Representative.
 - .3 In all circumstances ensure that demolition work does not adversely affect adjacent areas and operations to the institution.
 - .4 Do not dispose of waste of volatile materials such as, mineral spirits, oil, petroleum based lubricants, or toxic cleaning solutions into watercourses, storm or sanitary sewers. Ensure proper disposal procedures are maintained throughout the project.

- .5 Do not pump water containing suspended materials into watercourses, storm or sanitary sewers or onto adjacent properties.
- .6 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authorities.
- .9 Prevent movement, settlement or damage of adjacent structures, services. Provide bracing, shoring as required. Repair damage caused by deconstruction as directed by Departmental Representative.
- .10 Support affected structures and, if safety of structure being repaired or adjacent structures appears to be endangered, take preventative measures. Cease operations and immediately notify Departmental Representative.
- .11 Prevent debris from blocking surface drainage system, mechanical and electrical systems.
- .12 Locate and protect any utility lines which may be affected by the work and if necessary, notify utility companies before starting demolition.

Part 2 Products

2.1 EQUIPMENT

- .1 Leave equipment and machinery running only while in use, except where extreme temperatures prohibit shutting down.
- .2 Where possible use water efficient wetting equipment/attachments when minimizing dust.
- .4 Demonstrate that tools are being used in manner which allows for salvage of materials in best condition possible.

Part 3 Execution

3.1 DEMOLITION

- .1 Conduct demolition to minimize interference with adjacent building areas maintain protected, wheelchair accessible egress and access at all times to the building entrance.
- .2 All debris created by the execution of the work shall be removed progressively from the site to appropriate disposal grounds. Do not damage adjacent finishes or surfaces.
- .3 Do not disturb adjacent items designated to remain in place.
- .4 Carefully remove and store reusable site materials and dismantle items containing materials for salvage and stockpile salvaged materials at locations as approved by the Departmental Representative.
- .5 Ensure workers and subcontractors are briefed and trained to carry out work in accordance with appropriate deconstruction techniques.
- .6 Project supervisor with previous deconstruction experience must be present on site throughout project.
- .7 Deconstruct in accordance with CSA S350 and other applicable safety standards.

3.2 REMOVAL FROM SITE

- .1 Transport material designated for disposal to approved facilities in accordance with applicable regulations.
- .2 Make arrangements with and obtain permits from authorities having jurisdiction for disposal of waste and debris.

3.3 CLEANING AND RESTORATION

- .1 Keep site clean and organized throughout deconstruction.
- .2 Upon completion of project, remove debris, trim surfaces and leave work site clean.
- .3 Upon completion of project, reinstate parking surfaces, walkways, affected by Work to condition which existed prior to beginning of Work and match condition of adjacent, undisturbed areas.
- .7 In addition to the progressive removal of waste materials and debris from building and site, leave the site clean, perform the following before final inspection by the Departmental Representative.
 - .1 spray-wash all exterior building finishes in construction area and any adjacent building areas soiled by the construction processes.
 - .2 Broom clean and wash exterior walks, steps and platforms soiled from delivery or removal materials.
 - .3 Remove all dirt and other disfigurations from exterior surfaces.
 - .4 Sweep clean all paved areas.

END OF SECTION