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1.0 GENERAL

1.1 Conditions

- .1 Division 01 – General Requirements shall be read in conjunction with and shall govern Section.
- .2 **Acceptable materials or products:** When materials or products are prescribed by their trademark, consult **Instructions to Bidders** regarding the request for approval of materials or substitutes.

1.2 General Information

- .1 See **drawings** for the extent of the works.

1.3 Demolition Work Sequence

- .1 Here is the proposed work sequence for the demolition work. Any modification to this sequence shall be approved by the Departmental Representative :
 - 1. Remove all cellulose insulation on the concrete slab.
 - 2. Cut drain pipes and reinstall drains at slab level.
 - 3. Refresh the membrane on the roof slab to ensure watertightness during work.
 - a. The work will then be completed by bassin :
 - b. Bassins B1 and B2a and junction with Corridor Bloc A
 - c. Bassin B2b
 - d. Bassin B3a
 - e. Bassin B3b, B4 et B5 (bassin B5, steps 8 et 9 only).
 - 4. Remove equipments needed to be removed on the raised roof.
 - 5. Dismantle and lower equipments needed to be reinstalled (coordinate with Mechanical).
 - 6. Demolish the raised wood structure (membranes, gravel, etc.) up to the existing membrane and parapets at slab level (insure the parapets water tightness during all the extent of work).
 - 7. Remove membrane and strip parapets up to the plywood.
 - 8. Rebuild parapets and membranes as per **Section 07 52 00**.
- .2 Block all drains temporarily during work.
- .3 Ensure watertightness during all work sequence.

1.4 References

- .1 Comply with all standards mentioned in this specification, unless more stringent requirements are given herein.
- .2 See **Section 01 41 00** for legend of standards.

1.5 Submittals

- .1 Submit documents and elements as per **Section 01 33 00**, taking also the following into consideration:
 - .1 Waste reduction work plan (W.R.):
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- .1 Prior beginning of work on site submit details of waste reduction work plan in accordance with **Section 01 74 21**.

1.6 Waste Management and Disposal

- .1 Separate waste materials for reuse and recycling, or as instructed by the Departmental Representative (see **Section 01 74 21**).

2.0 PRODUCTS (not applicable)

3.0 EXECUTION

3.1 Existing Conditions

- .1 Verify the record of designated hazardous materials and take the necessary measures to preserve the environment.
- .2 Advise the Departmental Representative prior to undertaking any work which might affect access to the buildings or disrupt building services.

3.2 Salvage

- .1 Visit the work site with the Departmental Representative and refer to demolition drawings and specifications for items to be salvaged for reuse. See also **Section 01 11 01**.
- .2 Remove items to be salvaged or reused, store as directed by the Departmental Representative, and re-install under the appropriate Section of specification, if so indicated. See also **Mechanical and Electrical**.

3.3 Demolition and Alteration Work

- .1 Security:
 - .1 Unless otherwise indicated, execute demolition according to the following prescriptions:
 - .1 Observe and ensure satisfaction of security measures for construction work, as prescribed by **Sections 01 35 13, 01 35 14, 01 35 29.06** and **Section 01 52 00**.
 - .2 Satisfy the requirements of the Standard for Construction Operations CI 301 of the Fire Commissioner of Canada.
 - .2 Condition of work to be demolished:
 - .1 Before commencing work, visit the work site with the Departmental Representative to take note of existing conditions and work to be demolished.
 - .2 Report all defective work and deficiencies in writing to the Departmental Representative with supporting documentation (photos, drawings, etc.).
 - .3 Any damage observed after the commencement of the demolition work will be presumed to be the result of the work of this Section and shall be repaired at the Contractor's own cost, to the Departmental Representative's satisfaction.
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- .3 Coordination:
 - .1 Coordinate all work with work of others and cooperate with the Departmental Representative at all times to insure the least possible interference in maintaining existing services.
- .4 Protection:
 - .1 Provide protection for new and existing work, for material, equipment, fixtures and accessories which must remain undamaged for whatever reason.
 - .2 Keep waste containers covered with a securely fixed plastic tarpaulin all times. Keep all garbage chutes closed when not in use.
 - .3 Prevent debris from blocking surface drainage system, sanitary systems, or mechanical and electrical systems which must remain in operation to service other parts of the building.
 - .4 Ensure that debris in no way obstruct the exits and corridors and provide for the installation of dust screens or other protective devices around the elements to be demolished and prevent respectively, the penetration of dust, rain, or snow in occupied areas and through building air intakes.
 - .5 Immediately repair any utility services which are interrupted or damaged accidentally during the work.
 - .6 Fully protect the work, the materials and the equipment during any temporary closures of the site for whatever reason.
 - .7 See also **Section 13 35 13, 01 35 14, 01 35 29.06 and Section 01 52 00.**
- .5 Demolition and repair work:
 - .1 Perform work in accordance with standards, codes and regulations mentioned or referred to in this specification, and see that all workers are fully aware of such safety requirements.
 - .2 Plan and execute each operation in a secure way and with the objective of minimum disturbance, noise and vibration to the users of the existing services. Demolish in a manner to minimize dust.
 - .3 Remove elements and work indicated.
 - .4 Demolish parts or elements of existing building to accommodate new construction of alterations and remedial work, as indicated on drawings, or for the passage of **Mechanical and Electrical** elements.
 - .5 Trim edges of partially demolished building elements to tolerances as specified or required, to suit installation of new elements.
 - .6 Block, patch and make air/water tight, if necessary, all openings performed in walls, floors and ceilings, required for the passage of **Mechanical and Electrical** elements.
 - .7 In case of excessive demolition resulting from an error or exceeding limits shown on drawings, or accidental damage to parts or elements of the building, make good all parts demolished, or replace them at no extra cost to the Departmental Representative.
 - .8 Obtain Departmental Representative approval before demolishing any structural elements.
 - .9 All repair materials shall match existing materials; the materials shall be new and shall be compatible with existing materials.

3.4 Openings in Building Envelope

- .1 Obtain written permission from Departmental Representative **72 hours** before commencing any
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openings in building envelope.

- .2 Make necessary cuttings, holes and penetrations in the existing walls and roof to provide passageways for mechanical/electrical services or special equipment, or for other reasons.
- .3 When opening existing roofs, cut existing membrane, insulation and vapour barriers properly and execute with precision the holes or penetrations through the roof deck or the wall materials.
- .4 After installation of services or other elements, build required curbs on roof and make necessary repairs to the vapour barrier, insulation, and membrane, including flashings, flexible flashings, and caulking to seal well around these elements and ensure their continuity.
- .5 Provide watertight safety enclosures if openings in the building envelope shall remain open for construction work.

3.5 Disposal

- .1 Dispose of removed materials, except where specified otherwise, in accordance with requirements of **Section 01 74 21**.

End of Section
