

1 General

1.1 DESCRIPTION OF WORK

- .1 Work of this Section consists of the complete removal of all obsolete or abandoned electrical equipment including, but not limited to:
 - .1 Electrical Scope (Phase 1, 2020)
 - .1 Demolition of existing service rated 120/240V, single phase, three wire, recessed mounted panelboard 'A', including but not limited to tracing out and identification of all associated existing branch circuit wiring and feeders as necessary for their future reuse and connection to new service rated panelboard, as well as all necessary utility and Departmental Coordination required to facilitate a temporary shutdown of the electrical service to the facility. This work will also include coordination with the General Contractor for the safe and organized removal of existing insulation and wooden casework around the existing panelboard.
 - .2 Demolition of select lighting control switches as required for their replacement with line voltage occupancy switches. The scope of this work includes but is not limited to tracing out and identification of all associated existing branch circuit wiring as necessary to facilitate its reuse and connection to new occupancy switches.
 - .3 Demolition of select receptacles and wiring devices as required for their removal or splice and relocation as indicated on the Drawings. The scope of this work includes but is not limited to tracing out and identification of all associated existing branch circuit wiring as necessary to facilitate splicing and reconnection to new; or otherwise, the complete removal of the wiring device and branch circuit back to source as indicated on the Drawing.
 - .2 Electrical Scope (Phase 2, 2021)
 - .1 Demolition of existing electrical infrastructure associated with existing obsolete mechanical systems as indicted on the drawings. This scope of work includes but is not limited to the tracing out, disconnection and removal of electrical back to source for existing obsolete mini-split condensers, evaporators, heat recovery ventilator, oil fired boiler and associated diesel tank monitoring and leak detection system.

1.2 RELATED SECTIONS

- .1 Section 26 05 00 - Common Work Results - Electrical.

1.3 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling in accordance with Division 01 - General Requirements.

1.4 SITE SURVEY

- .1 Prior to Tender submission, visit the site and survey and quantify the extent of the removals/alterations required for this contract and include for all costs in the total tendered price. Any existing conditions information indicated on the drawings is for general guidance only.
- .2 In conjunction with site visit, review all drawings and include all costs due to existing conditions in total tendered price.

1.5 PROTECTION

- .1 The Contractor is to provide and coordinate the protection of existing structures and
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systems which may be damaged by work activities and is to be responsible for any damages to existing structures or systems as a result of lack of coordination and/or protection.

1.6 SALVAGE MATERIAL

- .1 Existing equipment and devices designated for reuse are to be removed, stored, cleaned and re-installed as indicated on the drawings.
- .2 Identify any damaged equipment or materials intended for reuse prior to demolition and point out deficiencies to the Departmental Representative at that time.

2 Products

2.1 NOT APPLICABLE

3 Execution

3.1 GENERAL REMOVALS

- .1 Where indicated remove all obsolete or abandoned equipment or electrical services including wire and conduit back to the source.
- .2 Coordinate work of this Section with other trades.
- .3 Schedule all removal work with the Departmental Representative. Do not disrupt building operations except as permitted by the Schedule.
- .4 Any existing conduit, wiring, boxes or equipment that is to remain in service is to be properly supported as required by the Canadian Electrical Code. Any additional hangers, straps or fasteners required are to be supplied under this contract.
- .5 Make alterations to existing electrical services as required and make good all circuits affected by the renovations.
- .6 Any existing electrical circuits and/or equipment that are interrupted during construction to accommodate alterations but are to remain in service are to be reconnected and circuits made good.
- .7 Any relocating of existing equipment and any rerouting of existing wire and conduit to coordinate with new work to be included in total tendered price.

3.2 IDENTIFICATION OF EXISTING CIRCUITS AND EQUIPMENT

- .1 All circuits in existing panelboards serving renovated areas are to be traced out to identify any devices not labeled on existing directories and to confirm all circuits indicated on directories are accurate. Provide new, updated, typewritten circuit directories in all panelboards modified by the renovations.
- .2 Provide identification indicating circuit and panel number at all new and existing wiring devices in renovated area.
- .3 Provide equipment nameplates and labels for all new and existing equipment in renovated area.
- .4 Equipment identification, wiring identification and conduit and cable identification is to be in accordance with Section 26 05 00 - Common Work Results - Electrical.

3.3 CUTTING

- .1 Cutting required for removals and alterations to be to the approval of the Departmental Representative and performed with appropriate power tools.

3.4 CLEANING

- .1 Reused existing equipment to be cleaned as per Division 01 - General Requirements.

END OF SECTION
