

SECTION 02 41 19.53
SELECTIVE ELECTRICAL DEMOLITION

PART 1 – GENERAL

1.1 SUMMARY

- A. Work Includes: Removal of the following items in the areas indicated on the drawings:
 - 1. Lighting fixtures
 - 2. Wiring devices
 - 3. Telephone, data, security, and control devices
 - 4. Panelboards
 - 5. Disconnect the electrical service of HVAC and mechanical equipment
 - 6. Removal of conduits, in-floor ducts and wiring related to lighting fixtures, wiring devices, telephone, data, security, control devices, panelboards, HVAC and mechanical equipment.
- B. Related Section
 - 1. Section 02 41 13 - Selective Demolition.
 - 2. Section 02 82 00 - Asbestos Remediation.
 - 3. Section 02 83 00 - Lead Remediation.

PART 2 - PRODUCTS

(Not Used)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Prior to commencement of selective electrical demolition work, inspect areas in which work will be performed. Verify field measurements and circuiting arrangements as shown on Drawings. Verify that the abandoned wiring and equipment serve only abandoned facilities.
- B. Demolition Drawings are based on casual field observation and/or existing record documents. Report discrepancies to the Architect-Engineer and Owner's Authorized Representative before disturbing existing installation. Beginning of demolition means installer accepts existing conditions.
- C. Document existing conditions which could be misconstrued as damage resulting from selective electrical demolition work, document existing conditions with the drawings of all the disciplines,

coordinate with all the disciplines and file with Owner's Authorized Representative prior to starting work.

3.2 PROTECTION

- A. Existing Services: Undertake no demolition work until all electrical services affected by the work have been properly disconnected. Cap, reroute or reconnect interconnecting electrical services that are to remain in service either permanently or temporarily in a manner that will not interfere with the operation of the remaining facilities.
- B. Carefully protect all mechanical and electrical equipment scheduled to remain against dust and debris.
- C. Provide adequate scaffolding, shoring, bracing railings, toe boards and protective covering during demolition to protect personnel and equipment against injury or damage. Cover floor openings not used for material drops with material substantial enough to support any loads placed on it. Properly secure the covers to prevent accidental movement.
- D. Provide safe access to and egress from all working areas at all times with adequate protection from falling material.
- E. Do not drop any material to any point lying outside the exterior walls of the structure unless the area is effectively protected.

3.3 DETAIL EXECUTION

- A. Lighting Fixtures: remove all lighting fixtures including fluorescent fixtures (troffers, parabolic in the office area, etc.), emergency lights and exit signs. Ballast and batteries in fixtures that will have products that are environmental hazardous shall be removed and dispose according to the Labor Health Program, OSHA and the Environmental Protection Agency.
- B. Wiring Devices: receptacles, in floor ducts receptacles, lighting toggle switches, lighting motion control devices, shall be removed.
- C. Telephone, data, security, and control devices: shall be removed.
- D. Conduits and Wiring: shall be removed after the devices have been removed. The removal of conduits shall include boxes, fittings, etc. related to those conduits. In floor ducts shall also be removed from the floor. Wiring shall be removed from the load and the source before the conduit and wiring removal will start. Confirm this before start any work. Provide pad lock in the source. Conduit and wiring shall be removed from source to the devices.
- E. Panelboards: remove wiring from the source and from the panel before start the removal of the panelboard. Conduit shall also be removed from panelboard to source.
- F. Equipment connected to electrical system: Remove wiring from the source before removing the power from the equipment. Some of the equipment has several electrical connections, the procedure shall be the same from equipment to each source. Control wiring shall be removed from the equipment before pulling from the control panel to avoid the removal of wrong cables, control conduits have wiring from different equipment.

- G. Remove all debris from the structures during demolition and do not allow debris to accumulate in piles.
- H. Provide adequate lighting at all times during demolition.
- I. Close areas below demolition work to anyone while removal is in progress.
- J. If unanticipated mechanical, electrical, or structural elements which conflict with intended function or design are encountered, investigate and measure both nature and extent of the conflict. Submit report to Owner's Authorized Representative in written, accurate detail. Pending receipt of directive from Owner's Authorized Representative, rearrange selective demolition schedule as necessary to continue overall job progress without delay.

END OF SECTION