

SECTION 16090
ELECTRICAL SELECTIVE DEMOLITION

PART 1 - GENERAL

1.01 PROVISIONS INCLUDED

- A. The general provisions of the Contract, including General and Supplementary General Conditions, and Division 1 General Requirements, apply to work specified in this Section.
- B. Requirements of Section 16050, "Basic Electrical Materials and Methods," apply to work specified in this section.

1.02 SUMMARY

- A. The work of this Section includes, but is not limited to, the demolition and rearrangement of conduits, wire, supports, light fixtures, outlets, equipment, etc., as required for the complete removal of the specified system.
- B. Phasing: Refer to the construction phasing schedule.
- C. Related Work Specified in Other Sections:
 - 1. Cutting and patching: Section 01731, Cutting and Patching.
 - 2. General requirements for selective demolition: Section 01732, Selective Demolition,

1.03 REFERENCE STANDARDS

- A. Execute the work in accordance with applicable provisions of Federal, State, local government laws, ordinances, reference codes. Governing laws, ordinances, codes, and standards constitute minimum requirements.

1.04 COORDINATION

- A. Coordinate the demolition and rearrangement work of this section with other work of the Contract. Coordinate rearrangement of equipment with HVAC and Plumbing equipment prior to installation.

PART 2 - MATERIALS

Not Used.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Demolition architectural drawings are based on casual field observation and existing record documents. Verify that field measurements and circuiting arrangements are as shown on Drawings. Verify that abandoned wiring and equipment serve only abandoned facilities.
- B. Report discrepancies to Architect/Engineer before disturbing existing installation.

3.02 PREPARATION

- A. Disconnect electrical systems in walls, floors, and ceilings scheduled for removal.
- B. Provide temporary wiring and connections to maintain existing systems in service during construction. When work must be performed on energized equipment or circuits, use personnel experienced in such operations. Minimize outage duration. Make temporary connections to maintain service in areas adjacent to work area.
- C. Maintain existing fire alarm system in service.. Disable system only for switchovers and connections.
 - 1. Notify the Owner at least 24 hours before partially or completely disabling system.
 - 2. Provide temporary connections to maintain service in areas adjacent to work area.

3.03 SELECTIVE DEMOLITION

- A. General: Remove electrical devices such as panelboards, lighting fixtures, wiring devices, fire alarm devices, etc. that are located on existing walls or partitions which are to be demolished. Remove exposed portions of the branch and signal circuit wiring and conduits, but maintain the continuity of existing circuits feeding devices that are to remain.
- B. Maintain access to existing electrical installations which remain active. Modify installation or provide access panel as required.
- C. Where existing walls, partitions, or ceilings are to remain, remove raceways, wiring devices, outlet boxes, etc., which are not to be reused. When approved by the Architect, existing outlet boxes and raceway systems may be left in place and reused, but in any case remove existing devices and wiring unless specifically indicated to remain.
- D. Remove abandoned electrical conduit and wiring to the facility source of supply (power panel).
- E. Remove abandoned conduit, including conduit installed above accessible ceiling. Cut conduit flush with walls and floors and remove supports for abandoned conduit.
- F. Disconnect and remove abandoned outlets and devices.
- G. Remove receptacle branch circuit wiring back to the multi-circuit junction box, or remove back to the panelboard.
- H. Disconnect transformers and panelboards designated for relocation.

- I. Disconnect and remove abandoned luminaires. Remove brackets, stems, hangers, and other accessories.
- J. Identification: Remove labels at the service source and replace with a label indicating "spare" where appropriate. Rewrite panel directories to indicate "spare" or "space" where appropriate.

3.04 CLEANING AND REPAIR

- A. Clean and repair existing materials and equipment which remain or are to be reused.
- B. Panelboards: Clean exposed surfaces and check tightness of electrical connections. Replace damaged circuit breakers and provide closure plates for vacant positions. Provide typed circuit directory showing revised circuiting arrangement.
- C. Repair adjacent construction and finishes damaged during demolition and rearrangement work.

END OF SECTION 16090