

SECTION 16001 - ELECTRICAL DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

Drawings and general provisions of the contract, including General and Supplementary Conditions and Volume 1 Specification Sections, apply to this Section.

1.2 SUMMARY

This section includes the electrical demolition requirements.

1.3 QUALITY ASSURANCE

Comply with NFPA, NEC, OSHA, and Consolidated Edison Company requirements.

1.4 SEQUENCING AND SCHEDULING

Coordinate electrical system demolition with other systems being demolished.

1.5 SITE SURVEY

1.5.1 Before submitting bid, bidder shall carefully examine existing field conditions, including the main power and power distribution system. Claims for extra labor, equipment and materials required due to existing conditions, which could have been foreseen, will not be recognized.

PART 2 - PRODUCTS

Various components of the project must remain operating while demolition is progressing as follows:

1. Temporary lighting and power.

PART 3 - EXECUTION

1. Contractor will be required to survey main power to the building, energize and maintain power to the building.
2. Coordinate all phases of power and lighting demolition with all trades.
3. Coordinate final disconnection of electric services with Consolidated Edison Company.
4. Remove and abandon all site manholes, vaults, and raceway systems. Systems to be abandoned shall be filled with sand to avoid collapse.
5. Coordinate all system removals with the Owner.
6. Temporary electrical services required to perform contract work as follows:
 - A. Comply with NEC and OSHA.

- B. Pay for, provide and maintain temporary electric power system for contract needs throughout contract period.
 - C. Provide secondary power centers for miscellaneous tools and equipment used in work areas.
 - 1) Provide weatherproof distribution boxes.
 - 2) Provide ground fault protection for each circuit in accordance with applicable federal and state requirements.
 - 3) Each contractor using the secondary power centers shall provide their own grounded, UL listed extension cords and other accessories from secondary power centers to point of operation.
7. Temporary lighting required to perform work and provide for safety and security.
- A. Provide temporary lighting as required for safe and adequate working conditions throughout for public safety, security lighting, and workers needs.
 - B. Required minimum lighting levels: (Use incandescent lighting, unless otherwise specified.)
 - 1) 150 watts spaced 20 feet on centers each way throughout the building(s).
 - 2) 150 watts at each landing and story in each stairway.
 - 3) 200 watts spaced 30 feet on centers in all corridors.
 - 4) Additional lighting required for safety purposes.
 - C. Unless otherwise indicated, mount temporary lighting at a maximum height of 10 feet above each floor level.
 - D. Security Lighting
 - 1) Within the building, illuminate all stairways, corridors and entrances involved in contract. Work on a 24 hour per day basis. Contractor may use construction lighting for this purpose.
 - 2) Perimeter/exterior lighting shall be provided at all security entrance and exit areas (Washington Street) and along all fire lanes. This lighting shall be provide throughout the length of this contract every evening from dusk till dawn. The contractor has the option to utilize the existing lighting system, but must provide a power source after point is reached where existing power source can no longer be used.
 - 3) Top floor of building at any time of Phase I or II is to be lit from dusk to sunrise so as to achieve a visible effect for aircraft.

- 4) All scaffold systems, throughout duration of erection and during deconstruction shall have adequate light to meet existing codes.
- 5) Complete site is to be adequately lit at Liberty Street, Washington Street, Albany Street, and Greenwich Street so as to prevent unauthorized entry, vandalism, etc.

PART 2 – PRODUCTS (Not Applicable)

PART 3 – EXECUTION (Not Applicable)

END OF SECTION 16001