

Portland Press Herald
Boiler Replacement Project

SECTION 16015

ELECTRICAL DEMOLITION

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. Electrical contractor shall be responsible for the complete removal of all existing electrical equipment, wiring and raceways located in the locker room and office as indicated. This includes lighting fixtures and ballasts, receptacles and wiring, associated conduit, associated conductors, and telephone wiring.
- B. The contractor shall check all wiring prior to disconnection and removal to ensure other equipment to remain in service is not affected. Only wiring associated with Boiler #1 & #2, the old condensate system shall be removed.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this and the other sections of Division 16.

1.3 CODES, PERMITS, INSPECTION and DISPOSAL

- A. Comply with all laws applying to electrical installations in effect in this City, Town or State; with regulations of any other governmental body or agency having jurisdiction; with regulations of the National Electrical Code where such regulations do not conflict with those laws; and with the regulations of the Electrical Utility Company supplying electrical energy to the premises.
- B. Properly dispose of all demolition material at approved disposal facilities. Material which may be deemed to be hazardous must be disposed of at a site approved for that material.

1.4 COORDINATION, INTENT AND DISCREPANCIES

- A. Intent:
 - 1. The Contract Drawings and the sections of the Specifications are complimentary each to the other.
 - 2. Materials and work which are indicated in one shall be as binding as if indicated in both.
 - 3. Verify all dimensions by field measurements.
 - 4. The Drawings are intended to indicate only diagrammatically the extent, general character, and approximate locations of the work included.

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5. Exact locations must be coordinated with local conditions and with other trades.
6. Work indicated, but having minor details obviously omitted, shall be furnished complete to perform the functions intended without additional cost to the Owner.
7. Follow Drawings and this Section of the work fitted thereto.
8. Typical details shown on the Drawings shall apply to each and every item of the project where such items are incorporated; details are not repeated in full on all Drawings, but the intention that such details shall be applicable in full.

B. Departure from the Contract Drawings:

1. No departures shall be made without signed approval of the Architect or his authorized agent.
2. Submit details of such departures and the reasons therefore as soon as practical and within 30 days after award of the Contract, to the Architect for approval.

C. Coordination:

1. Sequence, coordinate, and integrate demolition of electrical materials and equipment for efficient flow of the work.
2. De-energize, remove and dispose of all electrical equipment indicated on drawings and described here unless otherwise indicated.
3. Coordinate disruption of power with owner in advance to minimize effect on construction and on other trades.
4. Verify that all affected circuits are de-energized and made safe prior to commencing any demolition work on this job.
5. Equipment locations and call-outs shown on Drawings have been obtained from casual field observation and should be considered approximate, Electrical contractor shall field verify existing conditions prior to commencement of work.
6. All lighting fixtures, receptacles, and any other electrical equipment not scheduled for removal, refurbishing or recircuiting shall be left energized.
7. De-energize, remove and dispose of all wiring associated with demolition. Any concealed wiring which cannot be removed under limits of demolition shall be rendered unusable at both ends and abandoned in place.
8. Any conflict with other trades shall be referred immediately to the Architect for resolution.
9. Existing lighting fixtures scheduled for demolition that are similar or identical to fixtures to be refurbished, shall be salvaged for spare parts for the refurbished fixtures.

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D. Discrepancies:

1. If the Contractor, in the course of the work, finds any discrepancies between Drawings or equipment listed and the physical conditions of the site, or any errors or omissions in dimensions or instructions given by Drawings or equipment lists, he shall immediately notify the Architect, in writing, and the Architect shall promptly adjust the same.
2. Any work performed after such discovery, unless authorized by the Architect in writing, shall be at the Contractor's risk.
3. The Drawings are, in general, made to scale, but all measurements shall be taken from figured dimensions, and not by scaling.
4. Whether or not an error is believed to exist, deviations from the Drawings and dimensions given thereon shall be made only after written approval is received from the Architect.
5. Any and all errors in the work that might have been avoided by such field measurements shall be the responsibility of the Contractor.
6. When submitting proposal, give written notice to the Architect of any materials or apparatus in violation of laws, ordinances, rules or regulations of all authorities having jurisdiction, and notice of necessary items of work omitted.
7. If the Contractor fails to give such written notice, it shall be assumed that he has included cost of all items in his proposal, and he shall be held responsible for satisfactory functioning and approval of the entire demolition without extra compensation.

1.5 CUTTING AND PATCHING

- A. Cut, remove, and legally-dispose of selected electrical equipment, components, and materials as indicated, including but not limited to, removal of electrical items indicated to be removed and items made obsolete by the new Work.
- B. Protect the structure, furnishings, finishes, and adjacent materials not indicated or scheduled to be removed.
- C. Provide and maintain temporary partitions or dust barriers adequate to prevent the spread of dust and dirt to adjacent areas.
- D. Protection of installed Work: During cutting and patching operations, protect adjacent installations.
- E. Patching of holes and openings left by demolition work shall be as specified in the Architectural Sections.
- F. Clean all areas following demolition to it's original state.

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1.6 TESTING

A. General:

1. Demonstrate by conducting a test that disturbed electrical systems function and perform as required to meet the needs of the owner, and in accordance with the Drawings and specifications. Should the Contractor during the course of testing discover circuits not slated for demolition have been disrupted, a new source of power will be installed for that circuit with direction from the Architect.
2. Furnish personnel and calibrated instruments required for the tests and the Owner shall furnish power.
3. Conduct tests at a time acceptable to the Contractor and Owner.
4. Prior to applying voltage to any apparatus or circuit, make insulation resistance tests and, if necessary, dry the apparatus until resistance values conform to the standards of IEEE.

1.7 GUARANTEE

- A. The Contractor shall and does hereby warrant and the General Contractor shall and does hereby guarantee that all work executed under this Section will be free from defects of materials and workmanship for a period of 1 year from the date of acceptance.
- B. The Contractor shall further warrant that all materials furnished and work executed are in accordance with all applicable laws and regulations.
- C. Contractor's guarantee for items furnished under Division 16 covers and includes:
 1. Faulty or inadequate design.
 2. Improper disassembly or demolition.
 3. Defective workmanship and materials.
 4. Leakage, breakage, or other failure.

PART 2 - PRODUCTS

NOT USED

PART 3 - EXECUTION

NOT USED

END OF SECTION