

SECTION 26 00 00
BASIC ELECTRICAL REQUIREMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Basic Electrical Requirements.

1.02 SUMMARY

- A. Unless otherwise shown on the Contract Drawings, or unless otherwise specified on other Sections of these Specifications, the general requirements specified in this Section are applicable to all electrical work of this Contract. Additional requirements applicable to individual Sections of these Specifications are specified in those Sections, or are shown on the Contract Drawings.

1.03 QUALITY ASSURANCE

- A. Any entity performing Work shall have had experience on at least two projects involving quantities and complexities at least equal to those required under this Division or the applicable Section thereof.
- B. All workmen performing under this Division shall be skilled workers of the trade involved.
- C. All electrical work shall be performed under the supervision of an electrician, licensed in the city of New York.
- D. Various Sections of these Specifications contain the requirement for the specific material or equipment to be furnished with an experience statement "satisfactorily used for purposes similar to those intended herein" or words of similar intent and statement that specifies the required experience time. These statements shall mean that the manufacturer of the material or equipment being furnished for the work specified in this Contract shall have manufactured similar material or equipment to that specified, for at least the time specified.
- E. In various Sections of this Division there is a statement, which refers to the length of required experience which must be satisfied.
- F. Polyvinyl Chloride (PVC): PVC conduits, PVC insulated power wiring, or items containing PVC shall not be installed in any indoor area.
- G. Conformance Labels
 - 1. All electrical materials and equipment for which there is a nationally recognized standard shall bear the conformance labeling of the third party inspection authority, such as Underwriters Laboratories Inc., Factory Mutual, ETL, or approved equal. Where the phrase "where there are established UL standards shall bear the UL label", or words of similar intent appear in other Sections, the instructions for the conformance label above shall apply.

1.04 REFERENCES

- A. The following is a listing of publications referenced in this Section:
 - 1. American Society of Testing and Materials (ASTM)
 - 2. Occupational Safety and Health Administration (OSHA)
 - 3. New York City Electrical Code.
 - 4. National Electrical Code.

1.05 REGULATORY REQUIREMENTS

- A. Standards publications of technical organizations and regulatory agencies are referenced in other Sections, and unless stricter requirements are indicated, materials and equipment so specified shall be manufactured, tested and installed to conform, as a minimum to the requirements of such reference standards and publications.
- B. Conform to applicable sections of New York City Building Code for installation of systems.
- C. Electrical: Conform to New York City Electrical Code for installation of electrical equipment.

1. Drawings and Specifications:
 - a. It is the intention of these Specifications that as a minimum requirement, all electric work shall be done in strict accordance with the rules of the Bureau of Electrical Controls, and the Administrative Code of the City of New York (National Electrical Code). Where the requirement of the Drawings and Specifications exceed the requirements of the Electrical Code, the requirements of the Drawings and Specifications shall be binding upon the contractor.
 - b. Should the Bureau of Electrical Control issue a violation, the Contractor shall correct the Work and eliminate the violation as part of its Contract obligation.
- D. Obtain permits, and request inspections from authority having jurisdiction.
 1. The Contractor is required, at his own cost and expense, to obtain all necessary permits from the municipal or other public authorities. The Contractor shall then give all notices required by law, municipal ordinance, the rules and regulations of the various Municipal Bureaus or Departments and as a part of the Contract, and all Municipal Ordinances or Regulations that may be applicable to this Work, together with all orders of the following:
 - a. Department of Buildings – Electrical Inspection Unit
- E. Each item of equipment furnished by the contractor shall be essentially the standard product of the manufacturer. All material and equipment shall be of the best quality normally used in good commercial practice and shall be the product of specified or other reputable manufacturers. Each major component shall bear a nameplate giving the name and address of the manufacturer and the catalog number or designation located in an easily visible location.
- F. Submit a copy of the Certificate of Electrical Inspection to the following:
 1. Project Administrator for this contract.
 2. Technical Services Department, Attention: Technical Resources Advisor for Electrical, NYCHA, 23-02 49th Avenue, Long Island City, NY 11101.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Deliver material in manufacture's original unopened protective packaging.
- B. Store materials in original packaging in a manner to prevent soiling, physical damage, wetting or corrosion prior to installation.
- C. Handle in a manner to prevent damage to finished surfaces.
- D. Where possible maintain protective coverings until installation is complete and remove such covers as part of final clean-up.
- E. Touch up any damage to finishes to match adjacent surfaces to the satisfaction of the Authority.

1.07 TESTS

- A. Contractor shall make any and all tests (including insulation resistance test using a megger) required to furnish complete data which is necessary and sufficient to prove that equipment, or component part thereof (including wiring), meets the requirements of the Specifications, and the New York City Electrical Code.
- B. Such tests shall be made before, during and/or after installation of the equipment.
- C. Contractor shall furnish all apparatus, meters, conductors, and equipment required for such tests; shall make any and all connections necessary; shall dismantle any piece of equipment where such is necessary for making tests; and in other ways render all assistance necessary. After satisfactory test results have been obtained the Contractor shall remove the testing equipment and restore the site and equipment to proper operating, conditions.
- D. All defects found on such tests shall be immediately corrected. Defective parts or parts found to be not in accordance with the Specifications shall be immediately replaced with proper parts all to the satisfaction of the Owner.

END OF SECTION