

ITEM 3A. – ELECTRICAL GENERAL PROVISIONS

1.1 SCOPE OF WORK

- A. The work under this Division shall include furnishing and installing all labor, material, and equipment necessary to complete the installations and interconnections of Electrical Systems as specified herein.

WORK INCLUDED

1.2

- A. The following is a list of general work to be performed under this Division. The work shall not be limited by these descriptions.
 - 1. Disconnection of existing mechanical equipment.
 - 2. Removal of existing feeders to mechanical equipment, including, conduit, wire, boxes, disconnect switches, and supports.
 - 3. Furnish and install new feeders to new mechanical equipment, including disconnect switches and terminations.
 - 4. Furnish and install all Basic Materials, including raceways, pull and junction boxes, wireways, and wiring, as specified herein.

1.3 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Special Clauses, apply to this Section.

1.4 CODES AND STANDARDS

- A. All materials furnished and all work installed shall comply, where applicable, with the requirements of the current “New York State Building Code”, Local Codes, “National Electrical Safety Code” (NESC edition 2002), and the 2017 National Electrical Code. Whenever reference is made of “National Electrical Code”, or “NEC”, it shall mean the 2017 National Electrical Code, NFPA No. 70-2011.
- B. Material and work shall comply in all respects to the latest approved Standards of the following:
 - 1. National Electrical Manufacturers Association (NEMA).
 - 2. The American National Standards Institute (ANSI).
 - 3. The Institute of Electrical and Electronic Engineers (IEEE).
 - 4. National Fire Protection Association (NFPA).
- C. All material and devices furnished shall meet requirements of Underwriter's Laboratories, Inc., and shall be U.L. listed and labeled.
- D. Permits: Obtain all permits required to commence Work, and upon completion of the Work, obtain and deliver to the Engineer a Certificate of Inspection and Approval from the State Board of Fire Underwriters or other Authority having jurisdiction.

1.5 ELECTRICAL SYMBOLS

- A. Unless otherwise indicated, electrical symbols used in the Contract Drawings conform to ANSI Y32.9 “Graphic Symbols for Electrical Wiring and Layout Diagrams used in Architectural and Building Construction”, and ANSI Y32.2 “Graphic Symbols for Electrical and Electronic Diagram.”

1.6 GENERAL AND SPECIAL CLAUSES

- A. The Contractor shall take notice that, in addition to the requirements under Division 26, he shall be governed by the General Clauses and Special Clauses which are indicated as covering the contract comprising the work for this project, and which make reference to specific responsibilities of the Contractor.

1.7 FINAL TEST AND INSPECTION

- A. The Contractor shall be required to demonstrate to the satisfaction of the Engineer that the electrical systems are properly installed as specified.

1.8 RECORD DRAWINGS

- A. The contractor shall submit AS-BUILT drawings as described in the Special Clauses.

1.9 EXECUTION OF WORK

- A. All work shall be performed in a phased and orderly manner and completely coordinated with the Field Inspector.
- B. The Contractor shall include the cost of performing work during other than normal working hours, at overtime or premium wage rates, in the bid price. The Contractor will not receive any separate or additional payment for work during other than normal working hours above that lump sum bid for the work included under this Contract.

MEASUREMENT AND PAYMENT

Payment for this work will be deemed included in all other items being bid.

END OF SECTION