

PART 1 GENERAL**1.1 RELATED DOCUMENTS**

- A. The requirements of the General Conditions, Supplementary Conditions and the following specification sections apply to all Work herein:
1. Section 26 00 10 - General Requirements
 2. Section 26 00 20 - Scope of Work
 3. Section 26 08 13 - Testing
 4. Section 26 24 13 - Switchboards - 600 Volts
 5. Section 26 24 16 - Panelboards
 6. Section 26 25 00 - Busways
 7. Section 26 28 16 - Enclosed Switches and Circuit Breakers

1.2 SUMMARY

- A. Furnish and install all fuses as specified herein, as required by the National Electrical Code, and as indicated on the Drawings.

1.3 REFERENCE STANDARDS

- A. Each fuse and all components shall be designed, manufactured and tested in accordance with the latest applicable industry standards including the following:
1. NFPA 70 - National Electrical Code (NEC)
 2. UL Standard 198.2 - High Interrupting Capacity Fuses
 3. UL Standard 198.4 - Class R Fuses
- B. All equipment and material to be furnished and installed on this Project shall be UL or ETL listed, in accordance with the requirements of the authorities having jurisdiction, and suitable for its intended use on this Project.

1.4 SUBMITTALS

- A. The following submittal data shall be furnished according to the General Conditions and Section 26 00 10 and shall include, but not be limited to:
1. Fuses including fuse characteristic curves, spare fuse list, and fuse cabinet.
- B. All items or equipment listed above with asterisks (*) shall be certified by the manufacturer using Manufacturer Certification "MCA" as set forth in Section 26 00 10. See Section 26 00 10 for certification requirements.

1.5 WARRANTY

- A. Comply with the requirements of the General Conditions and Section 26 00 10.

PART 2 PRODUCTS**2.1 ACCEPTABLE MANUFACTURERS**

- A. If it complies with these Specifications, fuses manufactured by one of the following manufacturers will be acceptable:
1. Bussmann
 2. Gould-Shawmut

2.2 RATINGS

- A. Fuses: All fuses shall be suitable for use at 480 Volts and 208 Volts or at other voltages as indicated on the Drawings and selected to reduce the available fault current to a value less than the withstand rating of the equipment served and less than the interrupting capacity of the circuit protective device.

2.3 FUSES

- A. All fused switches, except busway plug type switches, shall be provided with cartridge fuses, which shall be of the knife blade or ferrule type with capacities as shown on the Drawings. Fuses shall be Bussmann "Low Peak" dual element type, Class J or Gould-Shawmut Amptrap 2000 Class J.
- B. Fuses for fusible switches in switchboards shall be as specified in Section 26 24 13 titled "Switchboards - 600 Volts".
- C. Fuses for fusible switches in distribution panelboards shall be as specified in Section 26 24 16 titled "Panelboards".
- D. Fuses for busway plug type switches shall be Bussmann "Low Peak" dual element type, Class J or Gould-Shawmut Amptrap 2000 Class J. See Section 26 25 00 titled "Busways" for additional requirements.
- E. Fuses for motor protection shall be Bussmann "Low Peak" dual element type, Class J or Gould-Shawmut Amptrap 2000 Class J.
- F. At Substantial Completion, the Electrical Subcontractor shall furnish and deliver to the Owner a complete spare set of each size fuse in addition to those in service for all fusible devices. These spare fuses shall be furnished in addition to fuses blown during construction. Provide a fuse cabinet to house all spare fuses. Coordinate location of the spare fuse cabinet with the Owner prior to delivery.
- G. The fuse manufacturer shall provide fuse characteristic curves of peak demand let through current versus short circuit current in symmetrical RMS amperes for each fuse size installed on this Project. These characteristic curves shall be submitted with the Product Data for the Engineer's review. See Section 26 00 10 for requirements.

PART 3 EXECUTION

3.1 INSTALLATION

- A. The Electrical Subcontractor shall install all fuses per the manufacturer's recommendations and as indicated on the Drawings.

3.2 FACTORY TESTING

- A. All standard factory tests shall be performed in accordance with the latest version of NEMA and UL Standards.

3.3 FIELD TESTING

- A. Refer to Section 26 08 13 for additional testing requirements for fuses.

END OF SECTION