

SECTION 16475

FUSES 600V AND LESS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The general provisions of the contract including General and Special Conditions and General Requirements shall apply to all work under this Section.

1.2 DESCRIPTION OF WORK

- A. Describe the work under this section.

1.3 RELATED WORK IN OTHER SECTIONS

- A. Related work in other sections:
 - 1. Electrical General Provisions Section 16010
 - 2. Electrical Identification Section 16195
 - 3. Switchboards Section 16425
 - 4. Panelboards Section 16470
 - 5. Disconnect Switches Section 16476
 - 6. Motor Control Centers Section 16480
 - 7. Individual Motor Controllers Section 16481

1.4 STANDARDS

- A. Except as modified by governing codes and by the Contract Documents, comply with the latest applicable provisions and latest recommendations of the following:
 - 1. UL Standard #198.
 - 2. UL Standard #977.

1.5 SUBMITTALS

- A. Provide a complete set of shop drawings to include let-through curves for each type of fuse.
- B. Submit listing of all types, sizes and quantity of fuses which will be installed including the location of each.
- C. Submit listing of all spare fuses by types, sizes and quantities, which will be furnished for placement in the respective fuse cabinets.
- D. Submit dimensioned drawings of each fuse cabinet by type and size.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Mains, Feeders, and Branch Circuits
 - 1. General
 - a) All fuses shall be labeled as UL Class L or UL Class R, current limiting and rated for up to 200,000 amperes. Time delay Class R fuses shall be so labeled.
 - 2. Main Service and All Feeder Circuits

- a) Fuses over 600 amperes shall be UL Class L. Fuses up to 600 amperes shall be UL Class RK1 labeled Time-delay.
 - 3. Branch Circuits
 - a) Unless noted otherwise on the drawings, all fuses up to 600A shall be UL Class RK5 labeled Time-delay.
 - 4. All fuses shall be of the same manufacturer.
- B. Spares
- 1. Upon completion of the building, the contractor shall provide the Owner with spare fuses as indicated below:
 - a) 10 percent (minimum of 3) of each type and rating of installed fuses shall be supplied as spare.
 - b) A spare fuse cabinet shall be provided to store the spare fuses. Cabinet shall be wall mounted, hinged cover with latch and nameplate with the word "SPARE FUSES" on the front.
- C. Labels
- 1. Identification labels for building standard fuses of 600A and below to read: "WARNING: INSTALL CLASS RK1 FUSES ONLY."

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Fuses shall not be installed until equipment is ready to be energized.
- B. Provide and install fuses of proper type, voltage and ampere ratings for all fusible devices furnished under this section and all other sections of this specification.
- C. Labels
 - 1. Apply appropriate label within each switch, motor starter, or panelboard door or at location next to fuse clips, where fuses shall be furnished and installed by this Contractor. Fill-in, in ink blank spaces on labels for non-standard fuses with appropriate fuse data.

-- End of Section --