

SECTION 16475
FUSES 600V AND LESS

PART 1 - GENERAL

1.01 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.

1.02 DESCRIPTION OF WORK

- A. Describe the work under this section.

1.03 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 |

1.04 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.

1.05 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

2.01 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

3.01 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 --