



# Division 262813

## Fuses

### DESIGN GUIDE

## 1 General

### 1.1 Introduction

- A. This section applies to the following:
  - 1. Fuses
  - 2. Spare Fuse Cabinet
- B. Fuses are generally used to provide protection of motorized equipment. Fusing is not allowed within switchboards or panelboards without permission from the ELSM.

## 2 Materials

### 2.1 Fuses

- A. Fuses shall be current-limiting type.
- B. Fuses in switchboards shall be Class L or Class J type.
- C. Fuses in safety switches, busway plug-in units, and panelboards shall be Class RK1.
- D. Fuses in combination motor starters and fuses protecting motors or transformers shall be Class RK5 dual-element time-delay type.
- E. Interrupting Capacity: 200,000 amperes RMS symmetrical.



- F. Provide one (1) complete set (3 per size) of spare fuses in a metal cabinet.

## **2.2 Spare Fuse Cabinet**

- A. Surface-mounted galvanized steel sheet metal cabinet with shelves, suitably sized to store spare fuses and fuse pulling tool.
- B. Trim shall be supplied with a hinged door.
- C. Door lock shall be flush cylinder type, keyed same as panelboard locks.
- D. Cabinet shall have a factory painted finish.

# **3 Execution**

## **3.1 Installation**

- A. Install each fuse with label oriented such that manufacturer, type, and size are easily read.
- B. Install spare fuse cabinet plumb on wall in main level electrical room. Anchor cabinet to structure. Neatly arrange spare fuses and fuse pullers in cabinet.

# **4 Appendix**

## **4.1 Reserved for future.**