

SECTION 26 28 13

FUSES

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes fuses and spare fuse cabinet.

1.02 REFERENCES

- A. National Electrical Manufacturers Association:
 - 1. NEMA FU 1 - Low Voltage Cartridge Fuses.
- B. Underwriters Laboratory Inc. (UL)
 - 1. 198C – High Interrupting Capacity Fuses, Current Limiting Type.
 - 2. 198E – Class R fuses.
 - 3. CEC – National Electrical Code with California Amendments.

1.03 DESIGN REQUIREMENTS

- A. Select fuses to provide appropriate levels of short circuit and overcurrent protection for the following components: wire, cable, bus structures, and other equipment. Design system to maintain component damage within acceptable levels during faults.
- B. Select fuses according to short circuit study to coordinate with time current characteristics of other overcurrent protective elements, including other fuses, circuit breakers, and protective relays. Design system to maintain operation of device closest to fault operates.

1.04 FUSE PERFORMANCE REQUIREMENTS

- A. Power Load Feeder Switches: Class RK1 (time delay).
- B. General Purpose Branch Circuits: Class RK1 (time delay).
- C. Motor Branch Circuits: Class RK1 (time delay), RK5.

1.05 SUBMITTALS

- A. Division 01 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit data sheets showing electrical characteristics, including time-current curves.

1.06 CLOSEOUT SUBMITTALS

- A. Division 01 - Execution and Closeout Requirements: Closeout procedures.
- B. Project Record Documents: Record actual sizes, ratings, and locations of fuses.

1.07 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum five years documented experience.

PART 2 PRODUCTS

2.01 FUSES

- A. Manufacturers:
 - 1. Bussman Division, Cooper Industries, Inc.
 - 2. Gould-Shamut.
 - 3. Substitutions: Division 01 - Product Requirements.
- B. Dimensions and Performance: NEMA FU 1, Class as specified or as otherwise required to complete the work.
- C. Voltage: Rating suitable for circuit phase-to-phase voltage.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install fuse with label oriented so manufacturer, type, and size are easily read.

END OF SECTION