

SECTION 26 28 00
OVERCURRENT PROTECTIVE DEVICES
Design Standard

PART 1 GENERAL**1.1 PURPOSE**

This design standard has the purpose of creating a consistent application of overcurrent protective devices throughout the San Mateo County Community College District therefore achieving a standard of maintenance, reliability and quality throughout all renovation and new building projects.

PART 2 PRODUCTS

2.1 Overcurrent protective devices are identified as the following but not limited to:

- A. Fusible switches.
- B. Fuses.
- C. Circuit breakers.
- D. Fuse cabinet.

2.2 All overcurrent protective devices to meet the following requirements based on Code requirements and industry standard of care:

- A. For each class and ampere rating of fuse installed, provide the following quantities of spares for quantity of fuses installed:
 - 1. 0 to 24: Provide 6 spare.
 - 2. 25 to 48: Provide 9 spare.
 - 3. 49 and Above: Provide 12 spare.
- B. Provide testing of ground fault interrupting breakers.
- C. Provide circuit breakers for installation in panelboards, individual enclosures or combination motor starters.
- D. Provide ground fault interrupter circuit breakers for equipment in damp or wet locations.
- E. Provide device on handle to lock breaker in "ON" position for breakers feeding time switches, night lights and similar circuits required to be continuously energized.

2.3 APPROVED MANUFACTURERS

- A. Fuses:
 - 1. Bussmann Division
 - 2. McGraw-Edison
 - 3. Shawmut Division
 - 4. Gould Electronic
 - 5. Littelfuse
- B. Circuit Breakers and Fusible Switches:
 - 1. Eaton Electrical
 - 2. General Electric
 - 3. Siemens
 - 4. Square D
- C. Fuse Cabinet:
 - 1. Bussmann
 - 2. Circle AW
 - 3. Ferraz-Shawmut
 - 4. Littelfuse
 - 5. Siemens
 - 6. Square D

PART 3 EXECUTION

3.1 SUBSTITUTES ALLOWED?

Yes, if performance and quality equivalency can be evidenced.

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

A. Division 26 Design Standards and Construction Specifications

END OF SECTION