

## SWITCHBOARDS

### DESIGN GUIDELINES

1. Summary:
  - a. This section provides guidelines and standards for UL 891 Switchboards.
2. Design
  - a. Switchboards shall be fully rated for their associated available short circuit.
  - b. Switchboards shall have a main disconnect unless they are located in the same room as the substation.
  - c. Switchboards shall have copper bussing fully rated for the entire length of the switchboard.
  - d. Switchboards shall have rear hinged doors when part of a substation. Refer to Service and Distribution Design Standard for main service switchboards.
  - e. Switchboards shall have a copper ground bus for the entire length of the switchboard.
  - f. Switchboards shall be free standing type unless noted otherwise by engineer.
  - g. Provide 4" tall housekeeping pad for all switchboards.
  - h. Switchboards may be either fused or circuit breaker type to be determined by the engineer. Refer to Circuit Breaker Design Standard.
3. Related Sections
  - a. Identification of Electrical Systems
  - b. Service and Distribution
  - c. Circuit Breakers
  - d. Grounding and Bonding

### EQUIPMENT and PRODUCT REQUIREMENTS

1. Panelboards:
  - a. Approved Manufacturers:
    - Square D
    - Eaton Cutler-Hammer

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