ENCLOSED SWITCHES AND ENCLOSED CIRCUIT BREAKERS

DESIGN GUIDELINES

1. Material and/or Equipment Type:
   a. Enclosed Switches (600V and below).
   b. Enclosed Circuit Breakers (600V and below).

2. Design
   a. Disconnect switches shall be heavy duty type.
   b. Either fused, non-fused or separately-enclosed circuit breakers as required.
   c. Indoor switches shall be NEMA 1 standard or upgraded to NEMA 3R/4 where required due to harsh environmental conditions (i.e. cooling towers).
   d. Outdoor and protected switches shall be minimum NEMA 3R.
   e. Service entrance switches shall be UL listed for use as Service Equipment.
   f. Motor rated toggle switches shall be allowed for single-phase, fractional HP motors.
   g. Provide circuit breakers in accordance with Circuit Breaker Design Standard.
   h. Provide auxiliary contacts in local disconnect switches fed from VFD. Connect to power down VFD when local disconnect is open.

3. Related Sections
   a. Conduits, Fittings and Boxes
   b. Circuit Breakers
   c. Identifications of Electrical Systems

EQUIPMENT and PRODUCT REQUIREMENTS

1. Enclosed Switches
   a. Approved Manufacturers:
      • Square D
      • Eaton Cutler-Hammer

END OF SECTION