

SECTION 262816 – ENCLOSED SWITCHES AND CIRCUIT BREAKERS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. This Section specifies the enclosed switches and circuit breakers for buildings and structures.
- 2. Provide all labor, materials, and equipment as necessary to complete all work as indicated on the drawings, and as specified herein for a complete operating system.

- B. Related Sections:

- 1. Applicable sections of Division 26 - Electrical

1.3 SUBMITTALS

- A. Shop Drawings

- 1. Disconnect switches
- 2. Enclosed circuit breakers

PART 2 - PRODUCTS

2.1 DISCONNECT SWITCHES

Note information to be shown on the drawings.

- A. Disconnect switches shall be furnished and installed where indicated on the drawing, size as noted.
- B. Disconnect switches for motors on cooling tower fans and similar applications shall be furnished with watertight, stainless steel enclosures.

- C. Disconnect switches mounted exterior of the building shall be NEMA type 4X stainless steel.
- D. Disconnect switches for two speed motors shall be six pole, single throw.
- E. All disconnect switches shall have interlock defeaters for maintenance purposes.
- F. Disconnect switches shall be Square D heavy duty type or approved equal by General Electric, Cutler-Hammer, or Siemens.
- G. All disconnect switches shall be provided with an engraved laminated plastic name plate indicating equipment controlled by that particular switch.
- H. Disconnect switches located on the load side of a VFD (between VFD and Motor) shall be non-fused.

2.2 ENCLOSED CIRCUIT BREAKERS

Note information to be shown on the drawings.

- A. Molded case circuit breakers shall be size and type as noted on drawing and as manufactured by Square D, General Electric, Cutler-Hammer, or Siemens.

PART 3 - EXECUTION

3.1 EQUIPMENT SUPPORTS

- A. Electrical equipment shall be mounted on ½" spacers when mounted in a room on a below grade exterior wall.
- B. Disconnects shall be mounted on separate structures. They shall not be mounted on HVAC housings, duct work, pump frames, etc.

END OF SECTION 262816