

**SECTION 26 27 16****ELECTRICAL CABINETS AND ENCLOSURES****PART 1 - GENERAL****1.1 REFERENCE DOCUMENTS**

- A. Conditions of the Contract and Division 01 - General Requirements are hereby made a part of this section.
- B. All sections of this specification.

**1.2 DESCRIPTION**

- A. Work Included: Provide cabinets for the installation of wiring and equipment.
- B. Related work specified in other section:
  - 1. 26 00 00 – Electrical
  - 2. 26 28 16 - Enclosed Switches and Circuit Breakers
  - 3. 26 05 23 - Control Voltage Electrical Power Cables

**1.3 QUALITY ASSURANCE**

- A. Source Quality Control: Tests to meet applicable Underwriters' Laboratories, Inc. Standards.
- B. Reference Standards:
  - 1. Underwriters' Laboratories, Inc. applicable Standards.
  - 2. National Electrical Code.
- C. Design Criteria: National Electrical Manufacturer's Association construction types based on environment.
  - 1. Indoor: NEMA Type 1
  - 2. Outdoor: NEMA Type 3R

**1.4 SUBMITTALS**

- A. Shop Drawings shall include dimensions, knockout sizes and locations, material types and gauges, finishes, and installation methods.
- B. Certificates shall include labels of Underwriters' Laboratories, Inc., and National Electrical Manufacturer's Association affixed to each item.

**PART 2 - PRODUCTS****2.1 ACCEPTABLE MANUFACTURERS**

- A. Square D Company.
- B. Eaton.

**2.2 MATERIALS**

- A. For Panelboards:
  - 1. Same manufacturer as panelboard, boxes of code gauge steel, welded with edges turned to receive trim, and galvanized.
  - 2. Trim and doors No. 12 gauge steel minimum, hinged door, flush tumbler lock and catch keyed alike throughout the work, factory enamel finish, suitable for field color coat.
    - a. Flush: Overlap minimum 3/4 inches top, bottom, and sides.
    - b. Surface: Same size as cabinet.

**PART 3 - EXECUTION****3.1 INSPECTION**

- A. Examine structure to which cabinets are to be secured for defects which affect the execution and quality of work.
- B. Do not start work until defects are corrected.

**3.2 PREPARATION**

- A. Carefully measure and lay out exact locations.
- B. Provide supports.

**3.3 INSTALLATION**

- A. Provide cabinets as indicated or where necessary.
- B. Provide flush type in finished areas centered in paneling and other Architectural features.
- C. Provide surface type in equipment rooms, above accessible finished ceilings, and in crawl spaces.
- D. Install lighting and power cabinets with tops 6 feet 6 inches above finished floor.
- E. Install cabinet trim and doors straight and plumb.

**3.4 CABINET IDENTIFICATION**

- A. Cabinets for all panelboards, switchboards, disconnect switches, transformers, motor starters, and electrical equipment furnished shall be provided with engraved phenolic lamacoid plastic name plates with 1/2-inch block engraving.
- B. Name plates shall give equipment designation as scheduled on the drawings, circuit number designation, and voltage and phase of service.

**3.5 ADJUSTMENT AND CLEANING**

- A. Adjust trims and doors for vertical and horizontal alignment.
- B. Clean surfaces to be painted.

**END OF SECTION**