

**SECTION 260534-CABINETS AND ENCLOSURES FOR ELECTRICAL SYSTEMS****PART 1 GENERAL****1.1 SUMMARY**

- A. Section includes hinged cover enclosures, cabinets, terminal blocks, and accessories.

**1.2 REFERENCES AND QUALITY ASSURANCE**

- A. NECA (National Electrical Contractors Association) -Standard of Installation.
- B. NEMA ICS 4 (National Electrical Manufacturers Association) - Terminal Blocks for Industrial Control Equipment and Systems.
- C. NEMA 250 (National Electrical Manufacturers Association) - Enclosures for Electrical Equipment (1000 Volts Maximum).

**1.3 SUBMITTALS**

- A. Section 013300 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit manufacturer's standard data for enclosures, cabinets, and terminal blocks.
- C. Manufacturer's Installation Instructions: Submit application conditions and limitations of use stipulated by product testing agency specified under Regulatory Requirements. Include instructions for storage, handling, protection, examination, preparation, and installation of product.

**1.4 QUALIFICATIONS**

- A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum three years documented experience.

**1.5 EXTRA MATERIALS**

- A. Section 017700 – Closeout procedures.
- B. Furnish two of each key.

**PART 2 PRODUCTS****2.1 HINGED COVER ENCLOSURES**

- A. Manufacturers:
  - 1. Carlon Electrical Products.
  - 2. Hubbell Wiring Devices.
  - 3. Reliance Electric.
  - 4. Hoffman.

5. Appleton.
6. Thomas & Betts.
7. Walker Systems.

- B. Construction: NEMA 250, Type 1 steel enclosure.
- C. Covers: Continuous hinge, held closed by flush latch operable by key.
- D. Furnish interior metal panel for mounting terminal blocks and electrical components; finish with white enamel.
- E. Enclosure Finish: Manufacturer's standard gray enamel.

## 2.2 CABINETS

- A. Manufacturers:
  1. Carlon Electrical Products.
  2. Hubbell Wiring Devices.
  3. Reliance Electric.
  4. Hoffman.
  5. Appleton.
  6. Thomas & Betts.
- B. Boxes: Galvanized steel.
- C. Box Size: Indicated on drawings.
- D. Backboard: Furnish 1/8 inch thick steel backboard for mounting terminal blocks. Paint matte white.
- E. Fronts: Steel, flush or surface type, as noted, with concealed trim clamps, door with concealed hinge, and flush lock [keyed to match branch circuit panelboard]. Finish with gray baked enamel.
- F. Furnish metal barriers to form separate compartments wiring of different systems and voltages.
- G. Furnish accessory feet for free-standing equipment.

## 2.3 PLASTIC RACEWAY

- A. Manufacturers:
  1. Carlon Electrical Products.
  2. Hubbell Wiring Devices.
  3. Reliance Electric.
  4. Hoffman.
- B. Product Description: Plastic channel with hinged or snap-on cover.

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Install in accordance with NECA "Standard of Installation."
- B. Install enclosures and boxes plumb. Anchor securely to wall and structural supports at each corner in accordance with Section 260529.
- C. Install cabinet fronts plumb.

### 3.2 CLEANING

- A. Clean electrical parts to remove conductive and harmful materials.
- B. Remove dirt and debris from enclosure.
- C. Clean finishes and touch up damage.

END OF SECTION 260534

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