

## **SECTION 26 05 28 SUPPORTING DEVICES**

### **PART 1 – GENERAL**

#### **1.1 SECTION INCLUDES**

- A. Conduit and equipment supports.
- B. Anchors and fasteners.

#### **1.2 REFERENCES**

- A. NECA Standard of Installation (National Electrical Contractors Association).
- B. NFPA 70 - National Electrical Code.

#### **1.3 SUBMITTALS**

- A. Submit under provisions Division 1
- B. Product Data: Provide manufacturer's catalog data for fastening systems.

#### **1.4 REGULATORY REQUIREMENTS**

- A. Conform to requirements of NFPA 70.
- B. Products: Listed and classified by testing firm acceptable to the authority having jurisdiction as suitable for the purpose specified and indicated.

### **2.0 PRODUCTS**

#### **2.1 PRODUCT REQUIREMENTS**

- A. Materials and Finishes: Corrosion resistant.
- B. Select materials, sizes, and types of anchors, fasteners and supports to carry the loads of equipment and conduit, including weight of wire in conduit.
- C. Anchors and Fasteners:
  - 1. Concrete Structural Elements: Use precast inserts, expansion anchors and preset inserts.
  - 2. Steel Structural Elements: Use beam clamps, spring steel clips, and welded fasteners.
  - 3. Concrete Surfaces: Use self-drilling anchors and expansion anchors.
  - 4. Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts and hollow wall fasteners.
  - 5. Solid Masonry Walls: Use expansion anchors and preset inserts.
  - 6. Sheet Metal: Use sheet metal screws.
  - 7. Wood Elements: Use wood screws.

- D. Manufacturer - All materials of this section shall be manufactured by companies having a minimum of three years documented specialization in similar products.

## 2.2 FORMED STEEL CHANNEL

- A. Description: Galvanized steel.

## 2.3 POWDER-ACTUATED ANCHORS

- A. Not permitted.

## 3.0 EXECUTION

### 3.1 INSTALLATION

- A. Locate and install anchors, fasteners, and supports in accordance with NECA "Standard of Installation".
  - 1. Do not fasten supports to pipes, ducts, mechanical equipment, or conduit.
  - 2. Do not use powder-actuated anchors.
  - 3. Do not drill or cut structural members.
- B. Fabricate supports from structural steel or formed steel members. Rigidly weld members or use hexagon-head bolts to present neat appearance with adequate strength and rigidity. Use spring lock washers under all nuts.
- C. Install surface-mounted cabinets and panelboards with minimum of four anchors.
- D. In wet and damp locations use steel channel supports to stand cabinets and panelboards 1 inch off wall.
- E. Use sheet metal channel to bridge studs above and below cabinets and panelboards recessed in hollow partitions.

END OF SECTION 260528