

## SECTION 260529 - HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS

### PART 1 - GENERAL

- 1.1 Related Documents: Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division - 1 Specification sections, apply to the work of this section.
- 1.2 All conduits shall be properly supported in accordance with these specifications and the latest NEC.

### PART 2 - PRODUCTS

#### 2.1 CONDUIT SUPPORTS

- A. Single Runs: Galvanized conduit straps on ring bolt type hangers with specialty spring clips. Do not use plumbers perforated straps.
- B. Multiple Runs: Conduit racks with 25 percent spare capacity.
- C. Vertical Runs: Channel support with conduit fittings.

#### 2.2 ANCHOR METHODS

- A. Hollow Masonry: Toggle bolts or spider type expansion anchors.
- B. Solid Masonry: Lead expansion anchors or preset inserts.
- C. Metal Surfaces: Machine screws, bolts, or welded studs.
- D. Concrete Surfaces: Self-drilling anchors

2.3 Indoors in Dry Areas: Materials shall be galvanized or cadmium plated steel.

2.4 Indoors in Wet, Damp or Corrosive Areas: Threaded materials shall be stainless steel. All other materials shall be aluminum and/or stainless steel.

2.5 Outdoors: Threaded materials shall be galvanized steel. All other materials shall be aluminum, stainless steel, or both.

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Layout to maintain headroom, neat mechanical appearance, and to support equipment loads required.
- B. Conduits installed on the interior of exterior building walls shall be spaced off the wall surface a minimum of 1/4 inch using "clamp-backs" or strut.
- C. Loading of Equipment Supports:
  - Spans up to 5 feet: Deflection shall not exceed 1/240 of span.
  - Spans 5 feet and greater: Deflection shall not exceed 1/360 of span.
  - Compressive loading shall not exceed 33 percent of manufacturer's published ratings.

END OF SECTION 260529