

SECTION 16190 - SUPPORTING DEVICES

GENERAL

1.1 SECTION INCLUDES

- A. Conduit and equipment supports.
- B. Fastening hardware.

1.2 QUALITY ASSURANCE

- A. Support systems shall be adequate for weight of equipment and conduit, including wiring, which they carry.

PRODUCTS

2.1 MATERIAL

- A. Support Channel: Galvanized or painted steel.

EXECUTION

3.1 INSTALLATION

- A. Fasten hanger rods, conduit clamps, and outlet and junction boxes to building structure using expansion anchors or beam clamps.
- B. Anchors and Fasteners:
 - 1. Steel Structural Elements: Use beam clamps.
 - 2. Concrete Surfaces: Use expansion anchors.
 - 3. Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts and hollow wall fasteners.
 - 4. Wood Elements: Use wood screws.
- C. Do not fasten supports to piping, ductwork, mechanical equipment, or conduit.
- D. Do not use powder-actuated anchors.
- E. Do not drill structural steel members.
- F. Fabricate supports or trapeze hangers from structural steel or steel channel, rigidly welded or bolted to present a neat appearance. Use hexagon head bolts with spring lock washers under all nuts.
- G. Install surface-mounted cabinets and panelboards with minimum of four anchors.

- H. Bridge studs top and bottom with horizontal members to support flush-mounted cabinets and panelboards in stud walls.
- I. Provide coated conduit support clamps as specified in Section 16111 for conduit that is installed exposed on the pier, within the pier ramp utility chase, or exposed on the Roll On/Roll Off ramp.

END OF SECTION