

SECTION 26 05 29

SUPPORTING DEVICES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Conduit and equipment supports.
- B. Telecommunications cable supports.
- C. Fastening hardware.

1.2 QUALITY ASSURANCE

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

PART 2 - PRODUCTS

2.1 SUPPORT CHANNELS

- A. Support Channel: Galvanized or painted steel.

2.2 TELECOMMUNICATIONS CABLE J-HOOKS

- A. Manufacturers:
 - 1. *Panduit*.
 - 2. *Caddy*
 - 3. *Chatsworth*
 - 4. Substitutions: Or Approved Equal.
- B. Where telecommunications cables are routed above accessible ceilings, provide cable support J-hooks. J-Hooks shall be sized to correctly support the number of cables which pass through them. Under no circumstances shall cable quantity exceed 50 in any given support. Fill capacity shall be as required by code for conduit. That is to say that every J-Hook shall have a maximum of 40 percent fill capacity. Install additional supports as required.

PART 3 - 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. Concrete Surfaces: Use expansion anchors.
 2. Hollow Masonry, Plaster, and Gypsum Board Partitions: Use toggle bolts and hollow wall fasteners.
 3. 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. Install surface-mounted cabinets and panelboards with minimum of four anchors.
- F. Bridge studs top and bottom with horizontal members to support flush-mounted cabinets and panelboards in stud walls.
- G. Install telecommunications J-hooks to support network and video cables above accessible ceilings only.

END OF SECTION 26 05 29