PART 1 - PRODUCTS

1.01 STEEL SUPPORTS

A. Provide brackets, frames, and hangers fabricated from standard rolled structural steel shapes or prefabricated structural system manufactured by one of the following:
   1. Kindorf Electrical Products Company
   2. Powerstrut Division/Van Huffel Tube Corporation
   3. Unistrut Construction

B. Provide electro-plated threaded steel rods, where required.
   1. 3/8-inch diameter
   2. Use hot dip galvanized steel on installations exposed to the weather.
   3. Do not use chain except where detailed or specifically required.
   4. Do not use perforated strap or wire.

1.02 FASTENINGS

A. Provide necessary fastenings in accordance with the following:
   2. Lock Washer: medium, spring type, galvanized.
   4. Anchors: Use 3/8-inch (minimum) toggle bolts in hollow tile and concrete block. Use 1/4-inch (minimum) Hilti HDI drop-in anchors or Hilti "Kwik Bolts" in solid masonry and concrete. Fiber, lead, and plastic are acceptable. Do not use wood plugs; do not use expansion shields or lag bolts.

PART 2 - EXECUTION

2.01 INSTALLATION

A. No attaching supports to HVAC, Plumbing, and Mechanical Systems.

B. Use only “U” bolt type beam clamps.

C. For the installation of HDI drop-in anchor or "Kwik Bolts" for concrete and solid masonry construction, the manufacturer's procedure for installation and minimum spacing shall be used.
D. Toggle bolts acceptable for light loads on hollow masonry walls. For heavy loads on hollow masonry walls, bracket wall with steel plates and through bolts.

E. Use sheetmetal screws or bolts for attachment to metal studs.

F. J-boxes in steel stud construction shall be fastened to backing spanning (2) studs.

G. Provide anchors with sufficient strength to support four times the load.

H. Where nylon tie wraps are used in the tunnels, turn or tuck cut tails away from personnel to eliminate sharp edge hazard.

END OF SECTION