

SECTION 16190 – “SUPPORTING DEVICES”

- 1.0 Supporting devices/systems shall be designed to support the weight of the equipment, raceways, etc. The systems shall also meet seismic requirements. The devices/systems shall be in accordance with applicable portions of NFPA70, ASTM, UL, and NELA. The design shall document the supporting devices.
- 2.0 General:
 - A. All supporting devices shall be used for the specific purpose for which they were manufactured.
- 3.0 Coatings:
 - A. Coating: Supports, support hardware, and fasteners shall be protected with zinc coating or with treatment of equivalent corrosion resistance using approved alternative treatment, finish, or inherent material characteristic. Products for outdoor use shall be hot-dip galvanized after fabrication.
- 4.0 Manufactured Supporting Devices:
 - A. Raceway Supports: Clevis hangers, riser clamps, conduit straps, threaded C-clamps with retainers, ceiling trapeze hangers, wall brackets, and spring steel clamps.
 - B. Powder-Driven Threaded Studs: Powder – Driven devices shall not be used unless specifically approved by the University.
- 5.0 Supports:
 - A. Strength of each support shall be adequate to carry present and future load multiplied by a safety factor of at least four. Where this determination results in a safety allowance of less than 200 lbs., provide additional strength until there is a minimum of 200 lbs. safety allowance in the strength of each support.
 - B. Walls of light weight construction shall be reinforced with strut before hanging electrical equipment

END OF SECTION