

SECTION 26 05 48
SUPPORTING DEVICES
Design Standard

PART 1 GENERAL

1.1 PURPOSE

This design standard has the purpose of creating a consistent application for the installation of supporting devices throughout the San Mateo County Community College District therefore achieving a standard of quality for maintenance, reliability, and operation throughout all renovation and new building projects.

PART 2 PRODUCTS

2.1 Supporting devices shall have a safety factor of 4 required for every fastening device or support for electrical equipment installed. Supporting devices are to withstand four times the weight of equipment it supports. Bracing shall comply with Seismic Zone 4 requirements.

- A. Provide electrical equipment supports.
- B. Verify mounting height of luminaires or items prior to installation of supporting devices when heights are not detailed.
- C. Install vertical support members for equipment and luminaires, straight and parallel to building walls.
- D. Provide independent supports to structural member for electrical luminaires, materials, or equipment installed in or on ceiling, walls or in void spaces or over furred or suspended ceilings.
- E. Do not use other trade's fastening devices as supporting means for electrical equipment materials or fixtures.
- F. Do not use supports or fastening devices to support more than one particular item.
- G. Support conduits within 18 inches of outlets, boxes, panels, cabinets and deflections.
- H. Maximum distance between supports not to exceed 8 foot spacing.
- I. Securely suspend junction boxes, pull boxes or other conduit terminating housings located above suspended ceiling from the floor above or roof structure to prevent sagging and swaying.
- J. Provide seismic bracing per CBC requirements.
- K. Inadequately braced equipment altered as a part of a renovation shall be properly supported per this standard and CBC requirements.

2.2 APPROVED MANUFACTURERS

Not applicable

PART 3 EXECUTION

3.1 SUBSTITUTES ALLOWED?

Not applicable

3.2 ASSOCIATED DESIGN STANDARDS AND CONSTRUCTION SPECIFICATIONS

- A. 26 05 34 – Boxes Design Standard

END OF SECTION