

DIVISION 26 - ELECTRICAL

SECTION 26 05 36 – CABLE TRAYS FOR ELECTRICAL SYSTEMS

PART 1: GENERAL

3.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of Texas State University-San Marcos for Cable Trays for Electrical Systems.
- B. Texas State University-San Marcos recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for Texas State University-San Marcos projects.

3.02 Scope of Work

- A. This section of the design standard includes requirements for telecommunications cable tray installation.
- B. Cable tray shall only be utilized for telecommunications cabling.
- C. Power and fire alarm cabling shall be run in conduit and are covered in a separate portion of this standard.

PART 2: PRODUCTS

- A. Cable tray shall be aluminum 12 inches wide ladder bottom supported from both sides sized to support the cabling load.
- B. Solid bottom cable tray is permissible in the event that the working clearances as described below cannot be met, or the ceiling space is non-accessible.

PART 3: EXECUTION

3.03 Design Requirements

- A. Location: Cable tray must be designed to run in the corridors of the building. Designer shall coordinate ceiling elevation requirements through architect and other trades. Cable tray shall be run above water piping. Designer shall provide a 12" vertical working clearance above the cable tray with no continuous obstructions. In addition, a 12" space must be provided on either side for working access.
- B. Electrical Engineer is responsible for coordinating the installation of the cable tray with the Telecommunications Designer. Drawings should clearly indicate that electrical contractor is responsible for cable tray installations.

- C. Designer shall show all routing of cable tray on the special systems floor plans and coordinated with the telecommunications floor plans. Floor plans shall indicate firewall penetrations.
- D. Fire stopping: Penetrations in fire rated walls shall be made to the size of the cable tray and filled with fire pillows.
- E. Grounding: All cable trays shall be grounded per the latest requirements of the National Electric Code. Refer to standard on grounding and bonding for specific details.
- F. Attachments: No medium voltage boxes or conduit shall be physically attached to the cable tray.
- G. Indicate mounting height and transition locations on the floor plans.
- H. Changes in horizontal and vertical directions shall be made with manufactured cable tray offsets.
- I. Designer shall coordinate apparent violations of working space with Texas State University-San Marcos staff prior to final design of cable tray.

END OF SECTION 26 05 36