

**SECTION 26 05 36****CABLE TRAYS****PART 1 - DESIGN DIRECTIVES****1.1 DESIGN CRITERIA**

- A. Cable tray may be specified for use within buildings for telecommunications, energy management and data wiring systems. The cable tray used for this purpose will be part of a complete raceway system. The cable tray will be used for the routing of data, energy management and communications wiring in vertical and horizontal spaces, exposed and concealed (but accessible) where necessary. Branches from the cable tray to individual utilization points shall be in EMT and the EMT shall be attached to the cable tray via an approved connector. This raceway assembly shall be grounded the same as any other raceway used in electrical systems.
- B. Cable tray loading shall be reviewed with the Hanover Fire Department to determine if special sprinkler or fire alarm requirements are necessary due to quantity of cables installed in the tray.
- C. Separation shall be maintained throughout the entire length of the cable tray for different wiring systems. Dividers shall be used as required.
- D. Cable tray shall be grounded per NEC.
- E. Cable tray shall be sized to accommodate the current quantity and size of cables to be installed plus an additional 20% for room for future addition of cables.
- F. Cable tray is not permitted to be used above hard ceilings or in other inaccessible locations. Conduit must be used in these circumstances.

**PART 2 - PRODUCTS****2.1 MATERIALS**

- A. Aluminum ladder tray for concealed spaces above suspended ceilings or exposed in mechanical rooms and closets.
- B. Wire cage type tray for concealed installations above suspended ceilings or exposed in mechanical rooms and closets

**PART 3 - EXECUTION****3.1 INSTALLATION**

- A. Cable tray shall be installed so that it is readily accessible for the addition of new generations of data, energy management and phone wiring systems. Cable tray

shall be installed so that no part of the tray is directly over or under and parallel to any mechanical piping or duct systems. Tray shall be securely fastened to the building structure and shall not share supports with other non-electrical systems. Where tray penetrates floors in vertical runs it shall be fire stopped in accordance with standard fire stopping practices.

- B. All sharp edges shall be removed from the cable tray, fittings, and adaptors.

END OF SECTION