

SECTION 26 05 36
CABLE TRAYS FOR ELECTRICAL SYSTEMS

PART 1- GENERAL

1.1 DESCRIPTION

- A. This section specifies the furnishing, installation, and connection of Cable Tray systems.

1.2 RELATED WORK

- A. Section 26 05 11, REQUIREMENTS FOR ELECTRICAL INSTALLATIONS: General electrical requirements that are common to more than one section of Division 26.
- B. Section 26 05 33, RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS: Conduits, fittings, and boxes for raceway systems.

1.3 QUALITY ASSURANCE

Refer to Paragraph, QUALIFICATIONS, in Section 26 05 11, REQUIREMENTS FOR ELECTRICAL INSTALLATIONS.

1.4 SUBMITTALS

- A. Submit in accordance with Section 26 05 11, REQUIREMENTS FOR ELECTRICAL INSTALLATIONS.
- B. Shop Drawings:
 - 1. Clearly present sufficient information to determine compliance with the drawings and specifications.
 - 2. Show size and location of cable tray components. Carefully coordinate with manufacturer's shop drawings.
- C. Certifications: Two weeks prior to final inspection, submit four copies of the following to the Resident Engineer:
 - 1. Certification that the materials are in accordance with the drawings and specifications.
 - 2. Certification by the contractor that the complete installation has been properly installed and tested.
 - 3. Certification by the contractor that the radiology equipment manufacturer's representative has approved the complete wireway installation.

1.5 APPLICABLE PUBLICATIONS

Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by designation only.

- A. National Fire Protection Association (NFPA):
 70-08.....National Electrical Code (NEC)

99-2005.....Health Care Facilities

B. Underwriters Laboratories, Inc. (UL):

884-2005Underfloor Raceways and Fittings

PART 2 - PRODUCTS

2.1 CABLE TRAY

- A. Provide tray system constructed of longitudinal wires, supported by intersecting transverse wires welded at each intersection to form a mesh. Provide 2" deep, 12" wide tray unless otherwise indicated.
- B. Provide all splice components, support hardware and appurtenances for a full installation to comply with manufacturer's installation recommendations.
- C. Monosystems or equal.

2.2 TELECOM CABLE FIRESTOPPING PATHWAY DEVICE

- A. Where cable trays are required to penetrate fire or smoke walls, provide enclosed fire rated pathway device. The fire rated pathway device shall contain a built-in fire sealing system sufficient to maintain the hourly rating of the barrier being penetrated. The self-contained sealing system shall automatically adjust to the installed cable loading and shall permit cables to be installed, removed, or retrofitted without the need to adjust, remove or reinstall firestop materials. Pathway shall be UL classified and FM approved.
- B. Provide three four inch devices for each 12" tray.
- C. Specified Technologies, Inc. EZ-Path Series 44. Substitutions are not acceptable.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Support trays in accordance with Section 26 0529. Provide supports at each connection point, at the end of each run, and at other points to maintain spacing between supports.
- B. Use expansion connectors where required.

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