

SECTION 26 05 36

CABLE TRAYS FOR ELECTRICAL SYSTEMS

PART 1 – GENERAL

1.1 DESCRIPTION

- A. Scope:
 - 1. Provide all labor, materials, equipment, and incidentals as shown, specified, and required to furnish and install cable trays.
- B. Coordination:
 - 1. Coordinate installation of cable trays with piping, ductwork, lighting fixtures and other systems and equipment. Locate cable trays clear of interferences.
 - 2. Review installation procedures under this and other Sections and coordinate installation of items to be installed with or before cable tray Work.

1.2 REFERENCES

- A. Standards referenced in this Section are:
 - 1. NEMA VE 1, Metal Cable Tray Systems.
 - 2. ASTM A123, Specification for Zinc Coating (Hot-Dip) on Iron and Steel Products.

1.3 QUALITY ASSURANCE

- A. Regulatory Requirements: Comply with electrical code in effect at the Site and the following:
 - 1. NEC Article 392, Cable Trays.

1.4 SUBMITTALS

- A. Action Submittals: Submit the following:
 - 1. Product Data:
 - a. Manufacturer's technical information for cable tray materials and system proposed for use.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. Manufacturers: Provide products of one of the following:
 - 1. B-Line Systems.
 - 2. Chalfant Manufacturing Company.
 - 3. Enduro Systems, Inc.

4. Approved equivalent.
- B. Cable Tray System:
1. Type: Ladder, rungs welded to side rails.
 2. Material: Aluminum
 3. Rung Spacing: Nine inches on centers, minimum.
 4. Inside Depth: Five inches minimum or as otherwise shown or indicated.
 5. Radius: Six inches to two feet as shown, indicated, or required.
 6. Width: Six inches to three feet as shown, indicated, or required.
 7. Support Span: Not to exceed twelve feet, unless otherwise shown or indicated.
 8. Loading Capacity: NEMA 12C or greater.
 9. Cable tray system shall comply with NEC Article 392 and NEMA VE1.
 10. Cable Try Conduit Clamps: Furnish as required, as follows:
 - a. Non-corrosive Locations: Provide B-Line Catalog Number 9ZN-1158, or equal.
 - b. Corrosive Locations: Provide B-Line Catalog Number 9F Series non-metallic, or equivalent

PART 3 – EXECUTION

3.1 INSPECTION

- A. Examine conditions under which the Work will be installed and notify ENGINEER in writing of conditions detrimental to proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Installation, General:
1. Install cable trays in accordance with Laws and Regulations, and manufacturer's instructions and recommendations. Provide complete cable tray system prior to installing cables.
 2. Install cable trays exposed and in accessible locations.
 3. Ground cable tray system components.
 4. Where required, connect conduit to cable tray using cable tray conduit clamps.
 5. Provide required fittings and transitions for tie-ins to existing cable tray systems.
 6. Provide barrier strips in cable trays to isolate instrumentation and communication cables from 120VAC and greater power and control wiring.

++ END OF SECTION ++