

1.0 CABLE TRAY & LADDERS

1.1 SCOPE OF WORKS

1. Under this section of the specification cable tray shall be installed to support distribution cables, communication cables and all wiring cables not generally installed in conduit and or trunking.
2. The cable tray shall be installed in such a manner to enable easy access for cable installation.
3. The cable tray shall vary in type, i.e: where large cables are installed, ladder rack type cable tray shall be permitted. Where smaller type communication cables are installed, ventilated type cable tray shall be permitted.
4. Cable trays shall be Mild Steel Powder Coated finish or as specified in BOQ.
5. Cable ladders shall be installed in risers for the full length of the risers unless otherwise instructed by the Consultant.

1.2 QUALITY ASSURANCE

1. Acceptable Manufacturers
2. Subject to compliance with the requirements of the Contract Documents, acceptable manufacturers are to be firms regularly engaged in manufacturer of all materials specified in this section of types and sizes required, whose products have been in satisfactory use under similar service conditions for not less than ten years.

1.3 SUBMITTALS

1. Submit the standards to which the cable tray is manufactured to.
2. Submit shop drawings and data in accordance with the general requirements of the contract.
3. Indicate the various types of cable tray with terminology used in Part 2.
4. Show actual cable tray installation details, size and suspension system.

1.4 PRODUCTS

GENERAL

1. The cable tray system shall be of one manufacturer and shall include factory made trays, tray fittings, connections ,complete with accessories and supports to from a complete tray support system.
2. The cable tray system shall include the following factory made tray elements. Straight trays and ladders, fittings and horizontal and vertical bends of various angles crosses, tees, wyes, reducers, vertical riser elements, connectors, joint plates and all necessary fixing accessories including supports. No local or site fabrication of any cable tray system including ceiling and wall supports are acceptable. Threaded rods for ceiling supports are not acceptable.