

SECTION 27 11 23 COMMUNICATIONS CABLE MANAGEMENT AND LADDER RACK (TELCO-STYLE RUNWAY)

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes telco-style runway systems within telecommunications rooms (MDF/IDF) and where indicated on the Drawings.

1.2 SUBMITTALS

A. Product data for runway components, fittings, supports, anchors, and bonding/grounding accessories.

B. Layout/shop drawing showing runway routing, elevations, support locations, and clearances above racks/cabinets.

C. Coordination: Submit runway layout for review by KU IT prior to installation (review for conformance per §27 05 00 §1.11.C).

PART 2 – PRODUCTS

2.1 TELECOMMUNICATIONS RUNWAY SYSTEM

A. Provide telco-style tubular runway systems within telecommunications rooms (MDF/IDF) and where specifically indicated on the Drawings for structured cabling pathway distribution. Runway systems are not required in corridor or general pathway areas unless explicitly shown on the Drawings.

B. KU Campus Standard: Legrand/Ortronics Telco-Style Tubular Runway (TRT series), including P/N TRT10-12B (12-inch wide, black) and/or TRT10-18B (18-inch wide, black), complete with compatible TRT-series fittings, wall angle assemblies, runway elevation kits, splice and corner clamps, end-closing kits, and bonding/grounding straps as required for a complete installation.

C. Wall-to-rack transition: P/N WRTRT-12B.

D. Ceiling suspension: P/N RCBK-6.

E. Provide a complete, coordinated runway system. “. Components from multiple manufacturers shall not be combined unless specifically approved in writing by KU IT.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Install runway level, securely anchored, and aligned with rack rows/cabinet tops as directed by the Drawings and/or KU IT.

B. Provide supports, brackets, and anchors in accordance with manufacturer recommendations and suitable for the building structure. Coordinate attachment methods with the General Contractor.

C. Maintain clearances required for rack access, cabinet doors, cable bend radius, and cable pathway transitions.

D. Bond/ground metallic runway and accessories in accordance with Section 27 05 26 and ANSI/TIA-607.

E. Prior to installation, coordinate runway elevation and routing with KU IT; do not deviate from the approved layout without KU IT approval.