

**SECTION 16741 – “DATA, VOICE AND VIDEO PATHWAYS”**

- 1.0 The design shall provide and document all pathways required for data, voice, and video systems. The system design shall be based on the University of Pennsylvania’s “Construction Specifications for Data, Voice, and Video Communication Networks at the University of Pennsylvania”.
- 2.0 All design pathways shall be closely coordinated with the University’s ISC Networking Group and the Telecommunications Group and approved by same.
- 3.0 The design shall document service entrance raceways, raceways and pathways within the building. Wiring and devices will be provided by the University.
- 4.0 Pathways shall include 1-inch conduit drops from above accessible ceiling to outlets. Provide cable trays above suspended ceilings and in telephone switch rooms for backbone cabling and horizontal distribution.. Cable trays shall be ladder type with both siderails supported. Center hung tray is unacceptable.
- 5.0 Cable trays shall be sized to allow for 100 percent expansion of telephone/data wiring.

**END OF SECTION**