

SECTION 270510 - TELECOMMUNICATIONS PATHWAYS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Premises wiring raceways and outlets.

1.2 RELATED SECTIONS

- A. Section 260533 - Conduit.
- B. Section 16112 - Surface Metal and Non-metallic Raceways.
- C. Section 260534 - Boxes.
- D. Section 260526 - Communications Circuits.

1.3 REFERENCES

NFPA 70 - National Electrical Code.

1.4 SYSTEM DESCRIPTION

Individual and combination telecommunications/data outlets shall be installed where shown on the contract drawings. Raceways shall be installed as straight as possible and shall contain not more than the equivalent of three quarter bends.

1.5 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of the General and Supplemental General Conditions and Division 1 Specifications Sections.
- B. Record actual locations and sizes of pathways and outlets.

1.6 QUALITY ASSURANCE

- A. Telephone Utility: Field verify.
- B. Perform Work in accordance with telephone utility's rules and regulations.

1.7 REGULATORY REQUIREMENTS

- A. Conform to requirements of NFPA 70.
- B. Furnish Products listed and classified by testing firm acceptable to authority having jurisdiction as suitable for purpose specified and indicated.

PART 2 PRODUCTS

2.1 TELECOM TERMINATION BACKBOARDS

- A. Material: Grade A/C Fire retardant treated plywood.
- B. Size: 4 x 8 feet (1.2 x 2.4 m), 3/4 inch (19 mm) thick.

2.2 TELECOMMUNICATIONS OUTLETS

Outlets shall consist of standard, square cornered boxes 4-11/16" wide by 4-11/16" high by 2-1/8" deep, minimum, flush mounted at the height indicated on the contract drawings.

2.3 TELECOM WIRE AND CABLE

All telephone and data cable shall be furnished and installed by the Owner.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Finish paint termination backboards with durable white enamel under the provisions of Division 9 prior to installation of equipment.
- B. Support raceways and backboards under the provisions of Section 260529.
- C. The maximum bends between pull points shall be 180 degrees.
- D. The maximum distance between pull boxes shall be 100 feet.
- E. Install termination backboards plumb, and attach securely to building wall at each corner.
- F. Install #14 gauge steel or approved, 200 lb. nylon cord pull wire in each empty conduit run.

END OF SECTION