

SECTION 16132

INDOOR SERVICE POLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes utility columns.

B. Related Sections

1. Section 16131 – Raceway and Boxes: Outlet boxes

1.2 REFERENCES

A. NEMA WD 6 (National Electrical Manufacturers Association) – Wiring device configurations

1.3 SUBMITTALS:

A. Product Data: Submit data on materials, finishes, receptacle and connector configuration, and attachment details

B. Samples: Submit two finish color chips

1.4 CLOSEOUT SUBMITTALS:

A. Operation and Maintenance Data: Submit instructions for cleaning of finishes and adjusting.

1.5 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.

1.6 DELIVERY, STORAGE AND HANDLING

B. Materials: Materials shall be new and shall be delivered to the job site in the original packaging.

PART 2 - PRODUCTS

2.1 UTILITY COLUMNS

- A. Product Description: Freestanding utility columns with outlet devices for power branch circuits, telephone and data communications.

2.2 MATERIALS

- A. Main Body: Steel or Aluminum
- B. Cover Plates: Steel or Aluminum

2.3 COMPONENTS

- A. Convenience Receptacle Configuration: To be determined by design
- B. Telephone Connector: To be determined by design
- C. Data Communications Connector: To be determined by design
- D. Foot: Suitable for carpet hard surface or floor finish as indicated as design requires.
- E. Top Clamp: To be determined by design to fasten pole to inverted “Tee” grid ceiling suspension member

2.4 ACCESSORIES

- A. Trim plates for closing ceiling opening.
- B. Flexible cable assembly with connector for branch circuit connections

2.5 FABRICATION

- A. Wire utility column with copper conductor (size to design) to outlet box attached to top of pole. Allow 6 inch leads for connection to branch circuit. Include flexible cable assembly with connector for connection to branch circuit.
- B. Provide full-sized opening knockout for connection of 1-inch (DN27) conduit at top of pole.
- C. Finish: To be determined by design.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Project coordination with other trades
- B. Verify installation of ceiling suspension system is complete
- C. Verify floor-covering installation is complete
- D. Verify branch circuit wiring installation is completed, tested, in proper location, and ready for connection to indoor utility columns.
- E. Verify telephone raceway installation is completed, in proper location, and ready for connection to indoor utility columns.
- F. Verify data communication raceway installation is completed, in proper location, and ready for connection to indoor utility columns.

3.2 INSTALLATION

- A. Install utility columns plumb and fasten supports to structure under provisions of Section 16050
- B. Make wiring connections to branch circuit outlets using flexible conduit under provisions of Section 16130.
- C. Bond equipment grounding conductor and body of pole to branch circuit equipment grounding conductor under provisions of Section 16050
- D. Neatly cut openings in ceiling panels. Install trim plate

END OF SECTION