SECTION 16132

INDOOR SERVICE POLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes utility columns.

1.2 REFERENCES

A. NEMA WD 6 (National Electrical Manufacturers Association) - Wiring Device Configurations.

1.3 SUBMITTALS

A. Section 01330 - Submittal Procedures.

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

C. Samples: Submit two finish color chips.

1.4 CLOSEOUT SUBMITTALS

A. Section 01770 - Closeout and turnover procedures.

B. 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.

1.1 DELIVERY, STORAGE AND HANDLING

A. 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 "T" 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 conduit at top of pole.
   C. Finish: To be determined by design.

PART 3 - EXECUTION

3.1 EXAMINATION
   A. Section 01330 - Administrative Requirements: Coordination and project conditions.
   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 as specified elsewhere in Electrical specifications.

B. Make wiring connections to branch circuit outlets using flexible conduit under provisions of raceway specification section.

C. Bond equipment grounding conductor and body of pole to branch circuit equipment grounding conductor as specified elsewhere in Electrical specifications.

D. Neatly cut openings in ceiling panels. Install trim plate.

END OF SECTION