

SECTION 26 05 34

FLOOR BOXES FOR ELECTRICAL SYSTEMS

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes floor boxes; floor box service fittings; poke-through fittings; and access floor boxes.
- B. Related Sections:
 - 1. Division 07 - Firestopping: Firestopping for electrical work.
 - 2. Division 26 - Hangers and Supports for Electrical Systems.
 - 3. Division 26 - Raceway and Boxes for Electrical Systems.
 - 4. Division 26 - Wiring Devices: Receptacles for installation in floor boxes.

1.02 REFERENCES

- A. National Electrical Manufacturers Association:
 - 1. NEMA OS 1 - Sheet Steel Outlet Boxes, Device Boxes, Covers, and Box Supports.

1.03 SUBMITTALS

- A. Division 01 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit catalog data for floor boxes service fittings.

1.04 CLOSEOUT SUBMITTALS

- A. Division 01 - Execution and Closeout Requirements: Closeout procedures.

1.05 QUALIFICATIONS

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

PART 2 PRODUCTS

2.01 FLOOR BOXES

- A. Floor Boxes: NEMA OS 1, 1-1/2 inches deep, minimum.
- B. Adjustability: Fully adjustable.
- C. Material: Cast metal.
- D. Shape: Rectangular.

2.02 PEDESTAL-TYPE CONVENIENCE OUTLET SERVICE FITTING

- A. Housing: Satin aluminum.
- B. Device Plate: Stainless steel.

- 2.03 FLUSH-COVER-TYPE CONVENIENCE RECEPTACLE SERVICE FITTING
 - A. Material: Brass
 - B. Configuration: Duplex threaded opening.
- 2.04 PEDESTAL-TYPE COMBINATION FITTING
 - A. Housing: Satin aluminum.
 - B. Device Plate: Stainless steel.
- 2.05 FLUSH-COVER-TYPE COMBINATION FITTING
 - A. Material: Brass.
 - B. Configuration: Duplex threaded opening with 2-1/8 x 1 inch, combination threaded opening.
- 2.06 FLUSH-COVER-SERVICE FITTING ACCESSORIES
 - A. Protective Ring: Brass finish.
 - B. Split Nozzle: Brass finish.
 - C. Carpet Ring: Brass.
- 2.07 POKE-THROUGH FITTINGS
 - A. Product Description: Assembly comprising service fitting, poke-through component, fire stops and smoke barriers, and junction box for conduit termination.
 - B. Fire Rating: As required by code.
 - C. Service Fitting Type: Flush.
 - D. Housing: Satin aluminum.
 - E. Device Plate: Stainless steel.

PART 3 EXECUTION

- 3.01 EXAMINATION
 - A. Division 01 - Administrative Requirements: Coordination and project conditions.
 - B. Coordinate locations of floor boxes and outlets with other trades. Do not scale locations from electrical drawings. .
- 3.02 INSTALLATION
 - A. Boxes and fittings are to be determined by Developer Design/Builder.
 - B. Floor Box Requirements: Use cast floor boxes for installations in slab on grade; formed steel boxes are acceptable for other installations.
 - C. Set floor boxes level.

- D. Install boxes and fittings to preserve fire resistance rating of slabs and other elements, using materials and methods specified in Division 07.
- E. Install protective rings or split nozzle on active flush cover service fittings.

3.03 INTERFACE WITH OTHER PRODUCTS

- A. Interface with installation of telephone, CATV, fire alarm, public address, CCTV, intrusion detection, data communication cable and connectors and the requirements of the serving utility.

3.04 ADJUSTING

- A. Division 01 - Execution and Closeout Requirements: Testing, adjusting, and balancing.
- B. Adjust floor box flush with finish flooring material.

3.05 CLEANING

- A. Division 01 - Execution and Closeout Requirements: Final cleaning.
- B. Clean interior of boxes to remove dust, debris, and other material.

END OF SECTION