

SECTION 26 05 39 {16136}

UNDERFLOOR RACEWAYS FOR ELECTRICAL SYSTEMS

{UNDERFLOOR RACEWAY ASSEMBLIES}

This section includes underfloor raceway for power and communications circuits, including fittings, accessories, and installation of wire and cable.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcata.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes underfloor raceway assemblies and associated junction boxes and fittings. Section also includes installation of wire and cable in raceways.
- B. Related Sections:
 - 1. Section 26 05 26 - Grounding and Bonding for Electrical Systems: Bonding.
 - 2. Section 26 05 33 - Raceway and Boxes for Electrical Systems: Product requirements for [underfloor conduit] [and] [wall duct].
 - 3. Section 27 05 26 - Grounding and Bonding for Communications Systems.
 - 4. Section 27 05 33 - Conduits and Backboxes for Communications Systems: Product requirements for [underfloor conduit] [and] [wall duct].
 - 5. Section 28 05 33 - Conduits and Backboxes for Electronic Safety and Security: Product requirements for [underfloor conduit] [and] [wall duct].
- C. Related Sections:
 - 1. Section 16060 - Grounding and Bonding for Electrical Systems: Bonding.
 - 2. Section 16061 - Grounding and Bonding for Communications Systems.
 - 3. Section 16128 - Raceway and Boxes for Electrical Systems: Product requirements for [underfloor conduit] [and] [wall duct].
 - 4. Section 16129 - Conduits and Backboxes for Communications Systems: Product requirements for [underfloor conduit] [and] [wall duct].

5. Section 16130 - Conduits and Backboxes for Electronic Safety and Security: Product requirements for [underfloor conduit] [and] [wall duct].

1.2 SYSTEM DESCRIPTION

Use this article carefully; restrict statements to describe components used to assemble system. Do not repeat statements made in SUMMARY article; "Section Includes" paragraph.

This article is not required for specifying partial raceway system (such as isolated run in x-ray suite, or header raceway for connecting metal or concrete floor raceways) or where system is detailed on Drawings.

First paragraph below describes system using flush-type underfloor raceway (single level only), or flat-top raceway. Second paragraph describes assembly of cellular underfloor raceway, consisting of complete unit with 3 integral raceways. Specify one of these systems.

Both of these systems are required to be installed in concrete topping, and flush-type raceway is only suitable for installation under tile floor finish.

- A. Underfloor Raceway System: [Single level] [Two level] underfloor raceway, grouped in runs of [1] [2] [3] each for distributing [power branch circuits] [, telephone circuits] [and] [data circuits]; connected with header raceway.
- B. Power Service Raceway: Standard width underfloor raceway with preset inserts for surface mounted single service outlet fittings.
- C. Telephone and Data Service Raceway: Extra width underfloor raceway with preset inserts for surface mounted signal service outlet fittings.
- D. Header Raceway: Extra width, flat top underfloor raceway, one for each service, with [preset access inserts] [junction box connection] at each distribution raceway.

***** [OR] *****

- E. Header Raceway: Trench type underfloor raceway with internal compartments for power, telephone, and signal wiring.
- F. Underfloor Raceway Assemblies: Cellular underfloor raceway assembly, with individual cells for [power branch circuits] [, telephone circuits] [and] [data circuits]; connected with header raceway.
- G. Header Raceway: Extra width, flat top underfloor raceway, one for each service, with [preset access inserts] [junction box connection] at each active cell.

***** [OR] *****

- H. Header Raceway: Trench type underfloor raceway with internal compartments for power, telephone, and signal wiring.