

achieve electrical continuity in accordance with the listing, this cover shall not be permitted as the means for providing electrical continuity for a receptacle mounted in the cover.

### Part III. Construction Specifications

**384.100 Construction.** Strut-type channel raceways and their accessories shall be of a construction that distinguishes them from other raceways. Raceways and their elbows, couplings, and other fittings shall be designed such that the sections can be electrically and mechanically coupled together and installed without subjecting the wires to abrasion. They shall comply with 384.100(A), (B), and (C).

**(A) Material.** Raceways and accessories shall be formed of steel, stainless steel, or aluminum.

**(B) Corrosion Protection.** Steel raceways and accessories shall be protected against corrosion by galvanizing or by an organic coating.

Informational Note: Enamel and PVC coatings are examples of organic coatings that provide corrosion protection.

**(C) Cover.** Covers of strut-type channel raceways shall be either metal or nonmetallic.

**384.120 Marking.** Each length of strut-type channel raceway shall be clearly and durably identified as required in the first sentence of 110.21(A).

## ARTICLE

## 386

## Surface Metal Raceways

### Part I. General

**386.1 Scope.** This article covers the use, installation, and construction specifications for surface metal raceways and associated fittings.

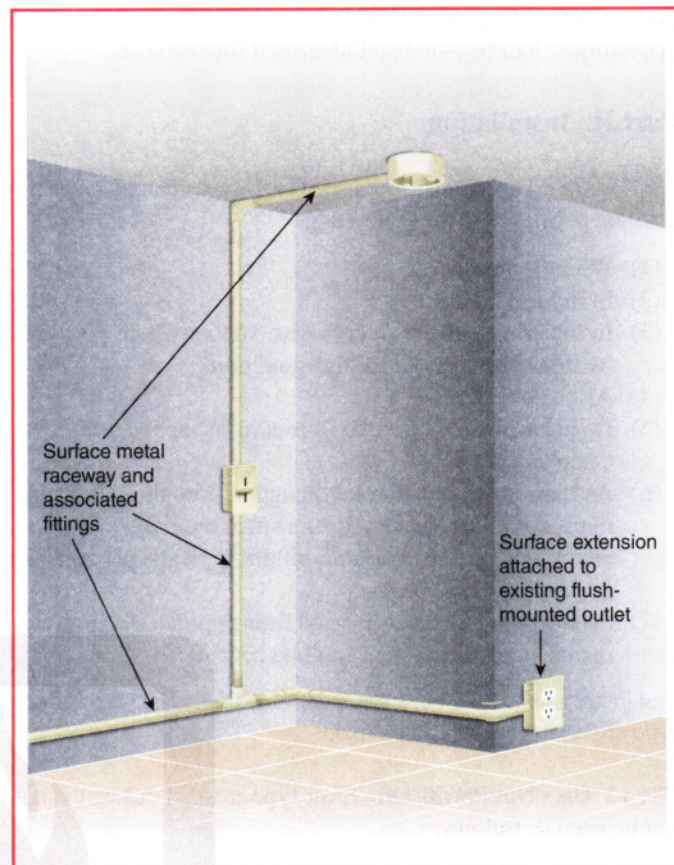
The installation shown in Exhibit 386.1 is an example of how a surface metal raceway can be used to extend branch-circuit wiring to new switch-controlled outlets.

**386.6 Listing Requirements.** Surface metal raceway and associated fittings shall be listed.

### Part II. Installation

**386.10 Uses Permitted.** The use of surface metal raceways shall be permitted in the following:

- (1) In dry locations.
- (2) In Class I, Division 2 hazardous (classified) locations as permitted in 501.10(B)(3).



**EXHIBIT 386.1** An example of a surface metal raceway extending from an existing receptacle outlet.

- (3) Under raised floors, as permitted in 645.5(E)(2).
- (4) Extension through walls and floors. Surface metal raceway shall be permitted to pass transversely through dry walls, dry partitions, and dry floors if the length passing through is unbroken. Access to the conductors shall be maintained on both sides of the wall, partition, or floor.

**386.12 Uses Not Permitted.** Surface metal raceways shall not be used in the following:

- (1) Where subject to severe physical damage, unless otherwise approved
- (2) Where the voltage is 300 volts or more between conductors, unless the metal has a thickness of not less than 1.02 mm (0.040 in.) nominal
- (3) Where subject to corrosive vapors
- (4) In hoistways
- (5) Where concealed, except as permitted in 386.10

**386.21 Size of Conductors.** No conductor larger than that for which the raceway is designed shall be installed in surface metal raceway.

**386.22 Number of Conductors or Cables.** The number of conductors or cables installed in surface metal raceway shall not