

EXHIBIT 368.1 A section of feeder busway with a plug-in tap device, one of the busway types used for power distribution covered by Article 368. (Courtesy of Square D™ by Schneider Electric)



buildings, are run vertically from floor to floor to supply transformers and other distribution equipment in “stacked” electric rooms or closets. See Exhibit 368.2 for an illustration of a busway installed horizontally in the space above a dropped or hung ceiling. The space is not being used as an “other space for environmental air (plenums)” covered by 300.22(C) and can contain the plug-in devices for supplying electrical equipment installed above, within, or below the ceiling.

Unless marked to indicate otherwise, busways and associated fittings containing a vapor seal have not been evaluated for passage through a fire-rated wall or floor. Listed firestop systems are available for making busway penetrations through fire-rated walls and floors.

See also

300.21, which provides requirements that are essential to limiting the spread of a fire and products of combustion

(A) Exposed. Busways shall be permitted to be located in the open where visible, except as permitted in 368.10(C).

(B) Behind Access Panels. Busways shall be permitted to be installed behind access panels, provided the busways are totally enclosed, of nonventilating-type construction, and installed so that the joints between sections and at fittings are accessible for maintenance purposes. Where installed behind access panels, means of access shall be provided, and either of the following conditions shall be met:

- (1) The space behind the access panels shall not be used for air-handling purposes.
- (2) Where the space behind the access panels is used for environmental air, other than ducts and plenums, there shall be no provisions for plug-in connections, and the conductors shall be insulated.

(C) Through Walls and Floors. Busways shall be permitted to be installed through walls or floors in accordance with 368.10(C)(1) and (C)(2).

(1) Walls. Unbroken lengths of busway shall be permitted to be extended through dry walls.

(2) Floors. Floor penetrations shall comply with 368.10(C)(2)(a) and (C)(2)(b).

(a) Busways shall be permitted to be extended vertically through dry floors if totally enclosed (unventilated) where

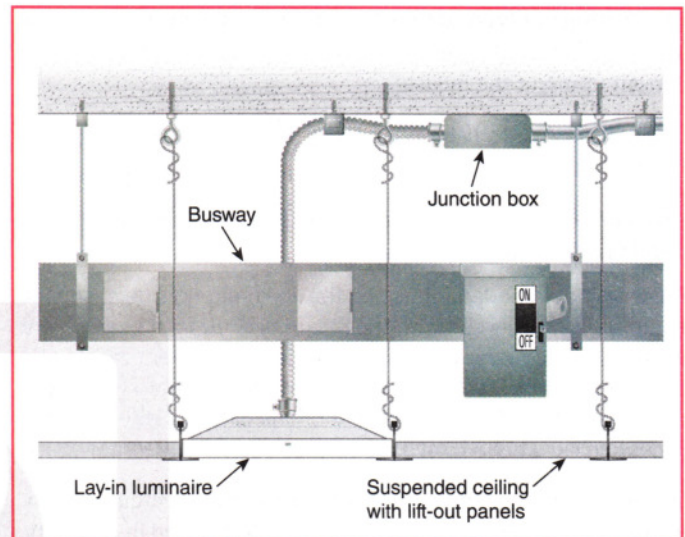


EXHIBIT 368.2 An example of a busway mounted horizontally in the space above a hung ceiling.

passing through and for a minimum distance of 1.8 m (6 ft) above the floor to provide adequate protection from physical damage.

(b) In other than industrial establishments, where a vertical riser penetrates two or more dry floors, a minimum 100-mm (4-in.) high curb shall be installed around all floor openings for riser busways to prevent liquids from entering the opening. The curb shall be installed within 300 mm (12 in.) of the floor opening. Electrical equipment shall be located so that it will not be damaged by liquids that are retained by the curb.

368.12 Uses Not Permitted.

(A) Physical Damage. Busways shall not be installed where subject to severe physical damage or corrosive vapors.

(B) Hoistways. Busways shall not be installed in hoistways.

(C) Hazardous Locations. Busways shall not be installed in any hazardous (classified) location, unless specifically approved for such use.

Informational Note: See 501.10(B).

(D) Wet Locations. Busways shall not be installed outdoors or in wet or damp locations unless identified for such use.