

1305.0714 [Repealed, 32 SR 7]

1305.0714 SECTION 714, PENETRATIONS.

Subpart 1. **IBC section 714.5.1.** IBC section 714.5.1, exception 1, is amended to read as follows:

1. Penetrations by steel, ferrous or copper conduits, pipes, tubes or vents, not utilized as ducts for conveying air; or concrete or masonry items through a single fire-resistance-rated floor assembly where the annular space is protected with materials that prevent the passage of flame and hot gases sufficient to ignite cotton waste when subjected to ASTM E119 or UL 263 time-temperature fire conditions under a minimum positive pressure differential of 0.01 inch (2.49 Pa) of water at the location of the penetration for the time period equivalent to the fire-resistance rating of the construction penetrated. Penetrating items with a maximum six-inch (152 mm) nominal diameter shall not be limited to the penetration of a single fire-resistance-rated floor assembly, provided that the aggregate area of the openings through the assembly does not exceed 144 square inches (92,900 mm²) in any 100 square feet (9.3 m²) of floor area.

Subp. 2. **IBC section 714.5.2.** IBC section 714.5.2, exception 1, is amended to read as follows:

1. Membrane penetrations by steel, ferrous or copper conduits, pipes, tubes, or vents, not utilized as ducts for conveying air; or concrete or masonry items where the annular space is protected either in accordance with Section 714.5.1 or to prevent the free passage of flame and the products of combustion. The aggregate area of the openings through the membrane shall not exceed 100 square inches (64,500 mm²) in any 100 square feet (9.3 m²) of ceiling area in assemblies tested without penetrations.

Subp. 3. **IBC section 714.5.2.** IBC section 714.5.2, exception 7, is amended to read as follows:

7. The ceiling membrane of one- and two-hour fire-resistance-rated horizontal assemblies is permitted to be interrupted with the double wood top plate of a wall assembly, provided that all penetrating items through the double top plates are protected in accordance with Section 714.5.1.1 or 714.5.1.2.

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106*

History: *39 SR 1605; 44 SR 609*

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