

4101:1-7-01 Fire and smoke protection features.

Chapter 7 of the International Building Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Modify Section 703.2.3 as follows:

The reference to “Section 104.11” is to be replaced with “Sections 106.5 or 114.3”.

(B) Replace section 703.5 with the following:

703.5 Marking and identification. Deleted.

(C) Replace the Table 705.5 title with the following:

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE ^{a, d, g, j}

(D) Add footnote ‘j’ to Table 705.5 to read as follows:

j. Buildings and structures with an occupancy in Group H-3 used for the display, sale or storage of fireworks, 1.4G, is to be located in accordance with section 415 and the fire code.

(E) Replace Section 716.1.1 with the following:**716.1.1 Alternative methods for determining fire protection ratings.**

The application of any of the alternative methods specified in this section is to be based on the fire exposure and acceptance criteria specified in NFPA 252, NFPA 257, UL 9, UL 10B or UL 10C. The required fire resistance of an opening protective is to be permitted to be established by any of the following methods or procedures:

1. Designs documented in referenced publications approved in accordance with this code.
2. Calculations performed in accordance with Section 106.5.
3. Engineering analysis based on a comparison of opening protective designs having fire protection ratings as determined by the test procedures set forth in NFPA 252, NFPA 257, UL 9, UL 10B or UL 10C.
4. Alternative protection methods as allowed by Sections 106.5 and 114.3.

(F) Modify Section 717.5.2, Exception: 3, last sentence to read as follows:

Flexible air connectors are permitted in the following locations:

(G) Replace Section 717.5.3, Exception 2 with the following:

2. Deleted.

(H) Add Exception 6 to Section 717.5.3 as follows:

6. Smoke dampers are not required where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

(I) Add sentence and conditions to the end of Exception 4 in Section 717.5.4 to read as follows:

Flexible air connectors are permitted in fully ducted sheet steel duct systems where the installation meets either of the following:

4.1. Flexible air connectors are installed to connect ducts to air handling equipment and such connectors are located entirely within the mechanical room that contains the air handling equipment.

4.2. Flexible air connectors are installed to connect an overhead metal duct to a ceiling diffuser and such connector is located entirely within the same room as the ceiling diffuser. The flexible air connectors do not pass through any walls, floors or ceilings.

(J) Add Exception 2 to Section 720.7 as follows:

2. Materials installed for protection against heat and sharp edges to comply with the accessibility provisions.

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