

Wall Types

**REFER TO THE CODE FOR FULL TEXT, EXCEPTIONS AND SPECIFIC APPLICATIONS.
THIS TABLE IS NOT INTENDED TO BE ALL-INCLUSIVE.**

ASSEMBLY SECTION	FIRE WALL 706	FIRE BARRIER 707	FIRE PARTITION 708	SMOKE BARRIER 709	SMOKE PARTITION 710
CHAPTER 2 IBC DEFINITION	A fire-resistance-rated wall having protected openings, which restricts the spread of fire and extends continuously from the foundation to or through the roof, with sufficient structural stability under fire conditions to allow collapse of construction on either side without collapse of the wall.	A fire-resistance-rated wall assembly of materials designed to restrict the spread of fire in which continuity is maintained.	A vertical assembly of materials designed to restrict the spread of fire in which openings are protected.	A continuous membrane, either vertical or horizontal, such as a wall, floor or ceiling assembly, that is designed and constructed to restrict the movement of smoke.	NOT DEFINED REFER TO SECTION 710
MATERIALS	706.3 Any approved non-combustible material. **See Code for Exception.	707.2 Materials approved for building type of construction.	708.2 Materials approved for building type of construction.	709.2 Materials approved for building type of construction.	710.2 Materials approved for building type of construction.
FIRE RESISTANCE RATING	706.4 Not less than that required by Table 706.4	707.3 Compliant with the referenced section of the code.	708.3 Not less than one hour. **See Code for Exceptions.	709.3 One hour. **See Code for Exception.	710.3 Unless required elsewhere in the code, smoke partitions are not required to have a fire resistance rating.
HORIZONTAL CONTINUITY	706.5 At least 18" beyond the exterior surface of the exterior walls. **See Code for Exceptions.	707.5 Continuous through the separation. **See Code for Exceptions.	708.4 Continuous through the separation. **See Code for Exceptions.	709.4 From outside wall to outside wall. **See Code for Exceptions.	710.4 Continuous through the separation.
VERTICAL CONTINUITY	706.6 From foundation to at least 30" above the roof. **See Code for Exceptions.	707.5 From foundation or floor to the underside of the floor or roof ceiling, slab or deck above. **See Code for Exceptions.	708.4 From foundation or floor to the underside of the floor/ceiling or roof/ceiling, slab or deck above. **See Code for full text and Exceptions.	709.4 From foundation or floor to the underside of the floor or roof ceiling, slab or deck above, including continuity through concealed spaces. **See Section 709.4 for full text and Exceptions.	710.4 From foundation or floor to the underside of the floor or roof ceiling, slab or deck above, or to the underside of the ceiling above where the ceiling membrane is constructed to limit the transfer of smoke.
EXTERIOR WALLS	706.5.1 Where the fire wall intersects exterior walls, the fire-resistance rating and opening protection of the exterior walls shall comply with one of the following: 1. The exterior walls on both sides of the fire wall shall have a 1-hour fire-resistance rating with 3/4-hour protection where opening protection for a minimum of 4 feet (1220 mm) on each side. 2. An imaginary lot line ... such that the exterior wall and opening protection meet the requirements set forth in Sections 705.5 and 705.8.	707.4 Where exterior walls serve as a part of a required fire-resistance-rated shaft or stairway or ramp enclosure, or separation, such walls shall comply with the requirements of Section 705 for exterior walls and the fire resistance-rated enclosure or separation requirements shall not apply. See Code for Exception.	708.5 Where exterior walls serve as a part of a required fire-resistance-rated separation, such walls shall comply with the requirements of Section 705 for exterior walls, and the fire-resistance-rated separation requirements shall not apply. See Code for Exception.	NO REQUIREMENT	NO REQUIREMENT
OPENINGS	706.8 Max 156 s.f. per opening. Max 25% of the length of any wall. Protected in accordance with Section 716. **See Code for Exceptions.	707.6 Max 156 s.f. per opening. Max 25% of the length of any wall. Protected in accordance with Section 716. **See Code for Exceptions.	708.6 Protected in accordance with Section 716.	709.5 Protected in accordance with Section 716. **See Code for Exceptions.	710.5 Protected in accordance with Sections 710.5.1 and 710.5.2. **See Code for full text.
PENETRATIONS	706.9 Comply with Section 714.	707.7 Comply with Section 714.	708.7 Comply with Section 714.	709.6 Comply with Section 714.	710.6 The space around penetrating items shall be filled with an approved material to limit the free passage of smoke.
JOINTS	706.10 Comply with Section 715.	707.8 Comply with Section 715.	708.8 Comply with Section 715.	709.7 Comply with Section 715.	710.7 Joints shall be filled with an approved material to limit the free passage of smoke.
DUCTS AND AIR TRANSFER OPENINGS	706.11 Shall not penetrate fire walls. **See Code for Exceptions.	707.10 Comply with Section 717.5.2	708.9 Comply with Section 717.5.4	709.8 Comply with Section 717.5.5.	710.8 The space around a duct penetrating a smoke partition shall be filled with an approved material to limit the free passage of smoke. Air transfer openings in smoke partitions shall be provided with a smoke damper complying with Section 717.3.2.2. **See Code for Exception.