
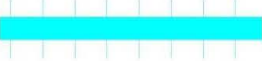






2000 LSC


WALL DEFINITIONS

PROVIDES THE REQUIREMENTS FOR EXISTING HEALTH CARE WALL AND DOORS PER 2000 EDITION OF THE *LIFE SAFETY CODE*®

WALL TYPE	WALL REQUIREMENTS	DOOR REQUIREMENTS
<p>BUILDING SEPARATION (MINIMUM OF 2-HOUR FIRE RATING)</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> WALL MUST BE 2-HOUR RATED OR MORE AND MUST EXTEND VERTICALLY THROUGH BUILDING AND TO THE EXTERIOR WALLS [8.2.3.1.1] ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(1)] ALL DUCTWORK MUST BE PROTECTED BY A FIRE DAMPER LOCATED IN THE WALL [8.2.3.2.4.1] GLAZING IN THE WALL MUST BE FIRE-RESISTANCE RATED [8.2.3.2.2] CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(2)] RECOMMENDED LABELING: __ HR FIRE BARRIER 	<ul style="list-style-type: none"> DOORS MUST HAVE AN APPROVED LABEL OF AT LEAST 1.5-HOURS [8.2.3.2.3.1] DOORS MUST SELF CLOSE AND POSITIVE LATCH [8.2.3.2.1] DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [8.2.3.2.1] DOORS ARE LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF THE DOOR [8.2.3.2.1] IF DOORS ARE PROVIDED WITH EXIT HARDWARE, THE HARDWARE MUST BE LISTED "FIRE EXIT HARDWARE". THE LABEL IS LOCATED ON THE HARDWARE [8.2.3.2.1 & 7.2.1.7]
<p>HORIZONTAL EXIT (MINIMUM OF 2-HOUR FIRE RATING)</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> WALL MUST BE 2-HOUR RATED AND EXTEND TO THE SLAB ABOVE [8.2.3.1.1] ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(1)] CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL (EXPANDING FOAM OR DRYWALL MUD ARE NOT PERMITTED) [8.2.3.2.4.2(2)] PENETRATIONS BY DUCTWORK ARE NOT PERMITTED FOR NEW WORK UNLESS THE BUILDING IS SPRINKLER PROTECTED. ALL DUCTWORK MUST BE PROTECTED BY A FIRE DAMPER LOCATED IN THE WALL [8.2.3.2.4.1 AND 7.2.4.3.3]. GLAZING IN THE WALL MUST BE FIRE-RESISTANCE RATED FOR 90 MINUTES [8.2.3.2.2] RECOMMENDED LABELING: 2 HR FIRE BARRIER 	<ul style="list-style-type: none"> DOORS MUST HAVE AN APPROVED LABEL OF 1.5-HOURS [8.2.3.2.3.1] DOORS MUST SELF CLOSE AND POSITIVE LATCH [8.2.3.2.1] DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [8.2.3.2.1] DOORS ARE LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF THE DOOR [8.2.3.2.1] IF DOORS ARE PROVIDED WITH EXIT HARDWARE, THE HARDWARE MUST BE LISTED "FIRE EXIT HARDWARE". THE LABEL IS LOCATED ON THE HARDWARE [8.2.3.2.1 & 7.2.1.7] DOORS ON MAGNETIC HOLD-OPEN MUST HAVE SMOKE DETECTION PER THE REQUIREMENTS OF NFPA 72 [8.2.3.2.1 & 7.2.1.8] RATED GLAZING IN DOORS MUST BE LIMITED TO 100 SQUARE INCHES OR THE MAXIMUM AREA APPROVED UNDER THE LABEL. NEW CROSS-CORRIDOR DOUBLE DOORS MUST BE OPPOSITE SWINGING [7.2.4.3.6] NEW CROSS-CORRIDOR DOORS MUST HAVE APPROVED VISION PANELS [18.2.2.5.6]

WALL TYPE	WALL REQUIREMENTS	DOOR REQUIREMENTS
<p>2-HOUR FIRE BARRIER</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> WALL MUST BE 2-HOUR RATED AND EXTEND TO THE SLAB ABOVE [8.2.3.1.1] ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(1)] CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL (EXPANDING FOAM OR DRYWALL MUD ARE NOT PERMITTED) [8.2.3.2.4.2(2)] ALL DUCTWORK MUST BE PROTECTED BY A FIRE DAMPER LOCATED IN THE WALL [8.2.3.2.4.1] GLAZING IN THE WALL MUST BE FIRE-RESISTANCE RATED FOR 90 MINUTES [8.2.3.2.2] RECOMMENDED LABELING: 2 HR FIRE BARRIER 	<ul style="list-style-type: none"> DOORS MUST HAVE AN APPROVED LABEL OF 1.5-HOURS [8.2.3.2.3.1] DOORS MUST SELF CLOSE AND POSITIVE LATCH [8.2.3.2.1] DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [8.2.3.2.1] DOORS ARE LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF THE DOOR [8.2.3.2.1] IF DOORS ARE PROVIDED WITH EXIT HARDWARE, THE HARDWARE MUST BE LISTED "FIRE EXIT HARDWARE". THE LABEL IS LOCATED ON THE HARDWARE [8.2.3.2.1 & 7.2.1.7] DOORS ON MAGNETIC HOLD-OPEN MUST HAVE SMOKE DETECTION PER THE REQUIREMENTS OF NFPA 72 [8.2.3.2.1 & 7.2.1.8] RATED GLAZING IN DOORS MUST BE LIMITED TO 100 SQUARE INCHES OR THE MAXIMUM AREA APPROVED UNDER THE LABEL.
<p>1-HOUR FIRE RATED BARRIER</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> WALL MUST BE EXTENDED TO THE SLAB ABOVE [8.2.3.1.1] ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(1)] CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM IS NOT PERMITTED [8.2.3.2.4.2(2)] FIRE DAMPERS ARE NOT REQUIRED IN DUCTWORK BUT IF THEY ARE PRESENT THEY MUST BE MAINTAINED - TRANSFER GRILLS MUST HAVE FIRE DAMPERS [8.2.3.2.4.1] (NOTE IBC MAY REQUIRE FIRE DAMPERS IF NOT FULLY DUCTED AND BUILDINGS ARE NOT SPRINKLER PROTECTED) GLAZING IN THE WALL MUST BE FIRE PROTECTION RATED OR WIRED GLASS [8.2.3.2.2] RECOMMENDED LABELING: 1 HR FIRE BARRIER 	<ul style="list-style-type: none"> DOORS MUST HAVE AN APPROVED LABEL OF AT LEAST 3/4-HOUR [8.2.3.2.3.1] DOORS MUST SELF CLOSE AND POSITIVE LATCH [8.2.3.2.1] DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [8.2.3.2.1] DOORS ARE LIMITED TO A 1/8 INCH GAP BETWEEN MEETING EDGES OF THE DOOR [8.2.3.2.1] IF DOORS ARE PROVIDED WITH EXIT HARDWARE, THE HARDWARE MUST BE LISTED "FIRE EXIT HARDWARE". THE LABEL IS LOCATED ON THE HARDWARE [8.2.3.2.1 & 7.2.1.7] DOORS ON MAGNETIC HOLD OPEN MUST HAVE SMOKE DETECTION PER THE REQUIREMENTS OF NFPA 72 [8.2.3.2.1 & 7.2.1.8] RATED GLAZING IN DOORS MUST BE LIMITED TO 1296 SQUARE INCHES OR THE MAXIMUM AREA APPROVED UNDER THE LABEL.

WALL TYPE	WALL REQUIREMENTS	DOOR REQUIREMENTS
<p>1/2-HOUR FIRE BARRIER (CORRIDORS IN NON-SPRINKLER PROTECTED COMPARTMENTS)</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> • WALL MUST BE 1/2-HOUR RATED AND EXTEND TO THE SLAB ABOVE [19.3.6.2.1] • ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM NOT PERMITTED [8.2.4.4.1(1)] • CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM NOT PERMITTED [8.2.4.4.1(2)] • FIRE AND SMOKE DAMPERS ARE NOT REQUIRED IN DUCTWORK. TRANSFER GRILLS ARE NOT PERMITTED IN THESE WALLS. (NOTE IBC/LOCAL CODES MAY REQUIRE FIRE DAMPERS) • GLAZING IN THE WALL MUST BE FIRE PROTECTION RATED OR WIRED GLASS [8.2.3.2.2] • RECOMMENDED LABELING: 1/2 HR FIRE BARRIER 	<ul style="list-style-type: none"> • DOORS MUST BE EQUIVALENT TO AT LEAST A 20-MINUTE RATED FIRE DOOR, SUCH AS A 1 3/4-INCH THICK, SOLID-BONDED WOOD CORE [19.3.6.3.1] • DOORS MUST SELF CLOSE AND POSITIVE LATCH [8.2.3.2.1] • DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN THE BOTTOM OF THE DOOR AND THE FLOOR [8.2.3.2.1] • DOORS ARE GENERALLY LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF THE DOOR • DOORS ON MAGNETIC HOLD-OPEN MUST HAVE SMOKE DETECTION PER THE REQUIREMENTS OF NFPA 72 [8.2.3.2.1 & 7.2.1.8] • RATED GLAZING IN DOORS MUST BE LIMITED TO 1296 SQUARE INCHES OR THE MAXIMUM AREA APPROVED UNDER THE LABEL.
<p>SMOKE BARRIER (MINIMUM OF 1/2-HOUR FIRE RATING)</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> • WALL MUST BE RATED A MINIMUM OF 1/2-HOUR (CANNOT BE REDUCED BELOW 1-HOUR IF BUILT TO 1-HOUR) AND MUST EXTEND TO THE SLAB ABOVE AND TO THE EXTERIOR WALLS [8.3.2] • ALL PENETRATIONS MUST BE SEALED WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM NOT PERMITTED [8.2.3.2.4.2(1)] • CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH AN APPROVED FIRE STOP MATERIAL. EXPANDING FOAM NOT PERMITTED. [8.2.3.2.4.2(2)] • SMOKE DAMPERS MAY NOT BE REQUIRED IN DUCTWORK DEPENDING ON EXTENT AND TYPE OF SPRINKLER PROTECTION BUT MUST BE MAINTAINED IF PRESENT. TRANSFER GRILLS MUST HAVE SMOKE DAMPERS. [8.2.3.2.4.1] (NOTE IBC/LOCAL CODES MAY REQUIRE SMOKE/AND OR FIRE DAMPERS) • GLAZING IN THE WALL MUST BE FIRE PROTECTION RATED OR WIRED GLASS [8.2.3.2.2] • RECOMMENDED LABELING: SMOKE BARRIER 	<ul style="list-style-type: none"> • DOORS MUST BE SMOKE RESISTIVE AND 20-MINUTE EQUIVALENT, NO LABEL IS REQUIRED (IBC/LOCAL CODES MAY REQUIRE LABEL) [19.3.7.5] • DOORS MUST SELF CLOSE BUT ARE NOT REQUIRED TO POSITIVE LATCH (IBC/LOCAL CODES MAY REQUIRE POSITIVE LATCH)[19.3.7.6] • DOORS ARE LIMITED TO A 3/4-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [8.2.3.2.1] • DOORS ARE LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF THE DOOR OR AN APPROVED ASTRAGAL MUST BE PROVIDED. [8.2.3.2.1](NEW DOUBLE DOORS IN SMOKE BARRIERS MUST HAVE AN ASTRAGAL OR OTHER FORM OF MEETING EDGE PROTECTION.) • DOORS ON MAGNETIC HOLD OPEN MUST HAVE SMOKE DETECTION PER THE REQUIREMENTS OF NFPA 72 [8.2.3.2.1 & 7.2.1.8] • RATED GLAZING IN DOORS MUST BE LIMITED TO 1296 SQUARE INCHES OR THE MAXIMUM AREA APPROVED UNDER THE LABEL. • NEW CROSS-CORRIDOR DOUBLE DOORS MUST BE OPPOSITE SWINGING [18.3.7.5] • NEW CROSS-CORRIDOR DOORS MUST HAVE APPROVED VISION PANELS [18.3.7.7]

WALL TYPE	WALL REQUIREMENTS	DOOR REQUIREMENTS
<p>SMOKE-RESISTIVE CONSTRUCTION</p> <p>LINE ON DRAWING LOOKS LIKE:</p> 	<ul style="list-style-type: none"> WALL MUST BE SMOKE RESISTIVE AND EXTEND TO THE SLAB ABOVE. WALL IS PERMITTED TO TERMINATE AT THE CEILING IF THE CEILING IS SMOKE RESISTIVE [19.3.6.2 & 8.2.4.2] (NOTE: IBC MAY REQUIRE WALLS TO THE SLAB ABOVE) ALL PENETRATIONS MUST BE SEALED WITH A MATERIAL THAT IS CAPABLE OF LIMITING THE PASSAGE OF SMOKE. EXPANDING FOAM NOT PERMITTED [8.2.4.4.1(1)] CONDUITS USED TO PENETRATE THE WALL MUST BE SEALED IN THE CENTER WITH A MATERIAL THAT IS CAPABLE OF LIMITING THE PASSAGE OF SMOKE. EXPANDING FOAM NOT PERMITTED [8.2.4.4.1(2)] RECOMMENDED LABELING: SMOKE RESISTIVE OR PARTITION 	<ul style="list-style-type: none"> DOORS MUST BE SMOKE RESISTIVE, NO LABEL IS REQUIRED [19.3.6.3] DOORS MUST POSITIVE LATCH [19.3.6.3.2 & CMS RULE] DOORS ARE LIMITED TO A 1-INCH CLEARANCE OR LESS BETWEEN BOTTOM OF DOOR AND FLOOR [19.3.6.3.1] DOORS ARE GENERALLY LIMITED TO A 1/8-INCH GAP BETWEEN MEETING EDGES OF DOUBLE DOORS
IF MORE THAN ONE WALL TYPE IS SHOWN IT SHOULD BE LABELED WITH A COMBINATION OF THE PHRASES ABOVE.		
MULTIPLE LINE TYPES SHOWN THEN MOST RESTRICTIVE REQUIREMENTS FOR EITHER ARE APPLIED TO THE WALL/DOORS.		