

**ICC CODE TECHNOLOGY COMMITTEE  
Area of Study – Unenclosed Exit Stairs**

**Draft text changes: 2006 to 2009 IBC**

The following are DRAFT changes to the 2006 IBC based on the 2006/2007 & 2007/2008 Code Development Cycles which result in the 2009 IBC. This includes only those sections which are related to the unenclosed exit stairs area of study. The word “**Stair**” has been highlighted for quick reference.

**CHAPTER 10  
MEANS OF EGRESS**

**SECTION 1001  
ADMINISTRATION**

*No sections apply*

**SECTION 1002  
DEFINITIONS**

**ACCESSIBLE MEANS OF EGRESS.** A continuous and unobstructed way of egress travel from any accessible point in a building or facility to a public way.

**COMMON PATH OF EGRESS TRAVEL.** That portion of exit access which the occupants are required to traverse before two separate and distinct paths of egress travel to two exits are available. Paths that merge are common paths of travel. Common paths of egress travel shall be included within the permitted travel distance.

**CORRIDOR.** An enclosed exit access component that defines and provides a path of egress travel to an exit.

**Section 1002.1 Change the definition of “Exit” to read as shown: (E7-07/08, E110-07/08)**

**EXIT.** That portion of a means of egress system which is separated from other interior spaces of a building or structure by fire-resistance-rated construction and opening protectives as required to provide a protected path of egress travel between the exit access and the exit discharge. Exits include exterior exit doors at the level of exit discharge, vertical exit enclosures, exit passageways, exterior exit **stairways**, exterior exit ramps and horizontal exits.

**EXIT, HORIZONTAL.** A path of egress travel from one building to an area in another building on approximately the same level, or a path of egress travel through or around a wall or partition to an area on approximately the same level in the same building, which affords safety from fire and smoke from the area of incidence and areas communicating therewith.

**EXIT ACCESS.** That portion of a means of egress system that leads from any occupied portion of a building or structure to an exit.

**Section 1002.1 Add new definition of “Exit Access Doorway” to read as shown: (E110-07/08)**

**EXIT ACCESS DOORWAY.** A door or access point along the path of egress travel from an occupied room, area or space where the path of egress enters an intervening room, corridor, unenclosed exit access **stair** or unenclosed exit access ramp.

**EXIT DISCHARGE.** That portion of a means of egress system between the termination of an exit and a public way.

**Section 1002.1 Change the definition of “Exit Discharge, Level of” to read as shown: (E5-06/07)**

**EXIT DISCHARGE, LEVEL OF.** The story at the point at which an exit terminates and an exit discharge begins.

**EXIT ENCLOSURE.** An exit component that is separated from other interior spaces of a building or structure by fire-resistance-rated construction and opening protectives, and provides for a protected path of egress travel in a vertical or horizontal direction to the exit discharge or the public way.

**Section 1002.1 Change the definition of “Exit Passageway” to read as shown: (E7-07/08)**

**EXIT PASSAGEWAY.** An exit component that is separated from other interior spaces of a building or structure by fire-resistance-rated construction and opening protectives, and provides for a protected path of egress travel in a horizontal direction to the exit discharge or the public way.

**Section 1002.1 Add new definition of “Flight” to read as shown: (E6-06/07)**

**MEANS OF EGRESS.** A continuous and unobstructed path of vertical and horizontal egress travel from any occupied portion of a building or structure to a public way. A means of egress consists of three separate and distinct parts: the exit access, the exit and the exit discharge.

**Section 1002.1 Add new definition of “Photoluminescent” to read as shown: (E144-07/08)**

**SCISSOR STAIR.** Two interlocking stairways providing two separate paths of egress located within one stairwell enclosure.

**STAIR.** A change in elevation, consisting of one or more risers.

**STAIRWAY.** One or more flights of stairs, either exterior or interior, with the necessary landings and platforms connecting them, to form a continuous and uninterrupted passage from one level to another.

**STAIRWAY, INTERIOR.** A stairway not meeting the definition of an exterior stairway.

**SECTION 1003  
GENERAL MEANS OF EGRESS**

*No sections apply*

**SECTION 1004  
OCCUPANT LOAD**

*No sections apply*

**SECTION 1005  
EGRESS WIDTH**

*No sections apply*

**SECTION 1006  
MEANS OF EGRESS ILLUMINATION**

*No sections apply*

**SECTION 1007  
ACCESSIBLE MEANS OF EGRESS**

**Section 1007.1 Change to read as shown: (E21-06/07)**

**1007.1 Accessible means of egress required.** Accessible means of egress shall comply with this section. Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress is required by Section 1015.1 or 1019.1 from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress.

**Exceptions:**

1. Accessible means of egress are not required in alterations to existing buildings.
2. One accessible means of egress is required from an accessible mezzanine level in accordance with Section 1007.3, 1007.4 or 1007.5.
3. In assembly areas with sloped or stepped aisles, one accessible means of egress is permitted where the common path of travel is accessible and meets the requirements in Section 1028.8.

**Section 1007.2 Change to read as shown: (E23-06/07)**

**1007.2 Continuity and components.** Each required accessible means of egress shall be continuous to a public way and shall consist of one or more of the following components:

1. Accessible routes complying with Section 1104.
2. Interior exit stairways complying with Sections 1007.3 and 1022.
3. Exterior exit stairways complying with Sections 1007.3 and 1026.
4. Elevators complying with Section 1007.4.
5. Platform lifts complying with Section 1007.5.
6. Horizontal exits complying with Section 1025.
7. Ramps complying with Section 1010.
8. Areas of refuge complying with Section 1007.6.

**Exceptions:**

1. Where the exit discharge is not accessible, an exterior area for assisted rescue must be provided in accordance with Section 1007.7.
2. Where the exit stairway is open to the exterior, the accessible means of egress shall include either an area of refuge in accordance with Section 1007.6 or an exterior area for assisted rescue in accordance with Section 1007.7.

**Section 1007.3 Change to read as shown: (E23-06/07, E25-06/07, E28-06/07, E29-06/07, E30-06/07, E29-07/08, E105-07/08)**

**1007.3 Stairways.** In order to be considered part of an accessible means of egress, an exit or exit access stairway shall have a clear width of 48 inches (1219 mm) minimum between handrails and shall either incorporate an area of refuge within an enlarged floor-level landing or shall be accessed from either an area of refuge complying with Section 1007.6 or a horizontal exit.

**Exceptions:**

1. The area of refuge is not required at open exit access or exit stairways as permitted by Sections 1016.1 and 1022.1 in buildings that are equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
2. The clear width of 48 inches (1219 mm) between handrails is not required at exit access or exit stairways in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
3. Areas of refuge are not required at exit stairways in buildings equipped throughout by an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2.
4. The clear width of 48 inches (1219 mm) between handrails is not required for exit stairways accessed from a horizontal exit.
5. Areas of refuge are not required at exit stairways serving open parking garages.
6. Areas of refuge are not required for smoke protected seating areas complying with Section-1028.6.2.
7. The areas of refuge are not required in Group R-2 occupancies.

**1007.4 Elevators**

**1007.5 Platform lifts**

*Sections do not apply*

**1007.6 Areas of refuge.** Every required area of refuge shall be accessible from the space it serves by an accessible means of egress. The maximum travel distance from any accessible space to an area of refuge shall not exceed the travel distance permitted for the occupancy in accordance with Section 1016.1. Every required area of refuge shall have direct access to a stairway within an exit enclosure complying with Sections 1007.3 and 1022 or an elevator complying with Section 1007.4. Where an elevator lobby is used as an area of refuge, the shaft and lobby shall comply with Section 1022.9 for smokeproof enclosures except where the elevators are in an area of refuge formed by a horizontal exit or smoke barrier.

**Exceptions:**

1. A stairway serving an area of refuge is not required to be enclosed where permitted in Section 1022.1.
2. Smokeproof enclosure is not required for an elevator lobby used as an area of refuge not required to be enclosed.

**1007.6.1 Size.** Each area of refuge shall be sized to accommodate one wheelchair space of 30 inches by 48 inches (762 mm by 1219 mm) for each 200 occupants or portion thereof, based on the occupant load of the area of refuge and areas served by the area of refuge. Such wheelchair spaces shall not reduce the required means of egress width. Access to any of the required wheelchair spaces in an area of refuge shall not be obstructed by more than one adjoining wheelchair space.

**Section 1007.6.2 Change to read as shown: (E23-06/07)**

**1007.6.2 Separation.** Each area of refuge shall be separated from the remainder of the story by a smoke barrier complying with Section 709 or a horizontal exit complying with Section 1025. Each area of refuge shall be designed to minimize the intrusion of smoke.

**Exception:** Areas of refuge located within an exit enclosure.

**1007.6.3 Two way communication**

**1007.6.4 Instructions**

**1007.7 Exterior area for assisted rescue**

**1007.8 Two – way communication**

**1007.9 Signage**

**1007.10 Directional signage**

**1007.11 Instructions**

*Sections do not apply*

**SECTION 1008**

**DOORS, GATES AND TURNSTILES**

*No sections apply*

**SECTION 1009**

**STAIRWAYS**

**1009.1 Stairway width.** The width of stairways shall be determined as specified in Section 1005.1, but such width shall not be less than 44 inches (1118 mm). See Section 1007.3 for accessible means of egress stairways.

**Exceptions:**

1. Stairways serving an occupant load of less than 50 shall have a width of not less than 36 inches (914 mm).
2. Spiral stairways as provided for in Section 1009.9.
3. Aisle stairs complying with Section 1028.
4. Where an incline platform lift or stairway chairlift is installed on stairways serving occupancies in Group R-3, or within dwelling units in occupancies in Group R-2, a clear passage width not less than 20 inches (508 mm) shall be provided. If the seat and platform can be folded when not in use, the distance shall be measured from the folded position.

**1009.2 Headroom**

**1009.3 Walk line**

**1009.4 Stair treads and risers**

**1009.5 Stairway landings**

*Sections do not apply*

**1009.6 Stairway construction.** All stairways shall be built of materials consistent with the types permitted for the type of construction of the building, except that wood handrails shall be permitted for all types of construction.

**1009.6.1 Stairway walking surface**

**1009.6.2 Outdoor conditions**

*Sections do not apply*

**1009.6.3 Enclosures under stairways.** The walls and soffits within enclosed usable spaces under enclosed and unenclosed stairways shall be protected by 1-hour fire-resistance-rated construction or the fire-resistance rating of the stairway enclosure, whichever is greater. Access to the enclosed space shall not be directly from within the stair enclosure.

**Exception:** Spaces under stairways serving and contained within a single residential dwelling unit in Group R-2 or R-3 shall be permitted to be protected on the enclosed side with 0.5-inch (12.7 mm) gypsum board. There shall be no enclosed usable space under exterior exit stairways unless the space is completely enclosed in 1-hour fire-resistance-rated construction. The open space under exterior stairways shall not be used for any purpose.

**1009.7 Vertical rise**  
**1009.8 Curved stairways**  
**1009.9 Spiral stairways**  
**1009.10 Alternating tread stairways**  
**1009.11 Ships ladders**  
**1009.12 Handrails**  
**1009.13 Stairway to roof**  
**1009.14 Stairway to elevator equipment**  
*Sections do not apply*

**SECTION 1010**  
**RAMPS**

*No sections apply*

**SECTION 1011**  
**EXIT SIGNS**

**1011.1 Where required**

*Section does not apply*

**1011.2 Illumination.** Exit signs shall be internally or externally illuminated.

**Exception:** Tactile signs required by Section 1011.3 need not be provided with illumination.

**Section 1011.3 Change to read as shown: (E139-06/07, E35-07/08)**

**1011.3 Tactile exit signs.** A tactile sign stating EXIT and complying with ICC A117.1 shall be provided adjacent to each door to an area of refuge, an exterior area for assisted rescue, an exit stairway, an exit ramp, an exit passageway and the exit discharge.

**1011.4 Internally illuminated exit signs**

**1011.5 Externally illuminated exit signs**

*Sections do not apply*

**SECTION 1012**  
**HANDRAILS**

*No sections apply*

**SECTION 1013**  
**GUARDS**

*No sections apply*

**SECTION 1014**  
**EXIT ACCESS**

**Section 1014.1 Change to read as shown: (E91-07/09)**

**1014.1 General.** The exit access shall comply with the applicable provisions of Sections 1003 through 1013. Exit access arrangement shall comply with Sections 1014 through 1018.

**1014.2 Egress through intervening spaces**

**1014.3 Common path of egress travel**

**1014.4 Aisles**

*Sections do not apply*

**SECTION 1015  
EXIT AND EXIT ACCESS DOORWAYS**

**1015.1 Exit or exit access doorways required.** Two exits or exit access doorways from any space shall be provided where one of the following conditions exists:

1. The occupant load of the space exceeds the values in Table 1015.1.
2. The common path of travel egress travel exceeds the limitations of Section 1014.3.
3. Where required by Sections 1015.3, 1015.4 and 1015.5

**Exception.** Group I-2 occupancies shall comply with Section 1014.2.2.

**Table 1015.1  
Spaces with one means of egress**

<b>Occupancy</b>	<b>Maximum occupant load</b>
A, B, E <sup>a</sup> , F, M, U	49
H-1, H-2, H-3	3
H-4, H-5, I-1, I-3, I-4, R	10
S	29

a. Day care maximum occupant load is 10.

**1015.2 Exit or exit access doorway arrangement.** Required exits shall be located in a manner that makes their availability obvious. Exits shall be unobstructed at all times. Exit and exit access doorways shall be arranged in accordance with Sections 1015.2.1 and 1015.2.2.

**1015.2.1 Two exits or exit access doorways.** Where two exits or exit access doorways are required from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between exit doors or exit access doorways Interlocking or scissor **stairs** shall be counted as one exit **stairway**.

**Exceptions:**

1. Where exit enclosures are provided as a portion of the required exit and are interconnected by a 1-hour fire-resistance-rated corridor conforming to the requirements of Section 1018, the required exit separation shall be measured along the shortest direct line of travel within the corridor.
2. Where a building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2, the separation distance of the exit doors or exit access doorways shall not be less than one-third of the length of the maximum overall diagonal dimension of the area served.

**1015.2.2 Three or more exits or exit access doorways.** Where access to three or more exits is required, at least two exit doors or exit access doorways shall be arranged in accordance with the provisions of Section 1015.2.1.

**1015.3 Boiler, incinerator and furnace rooms**

**1015.4 Refrigeration machinery rooms**

**1015.5 Refrigerated rooms or spaces**

**1015.6 Stage means of egress**

*Sections do not apply*

**SECTION 1016  
EXIT ACCESS TRAVEL DISTANCE**

**Section 1016.1 Change to read as shown: (E122-06/07; G8-06/07 (1020.1 exp. 9), E110-07/08)**

**1016.1 Travel distance limitations.** Exits shall be so located on each story such that the maximum length of exit access travel, measured from the most remote point within a story along the natural and unobstructed path of egress travel to an exterior exit door at the level of exit discharge, an entrance to a vertical exit enclosure, an exit passageway, a horizontal exit, an exterior exit **stairway** or an exterior exit ramp, shall not exceed the distances given in Table 1016.1.

**Exceptions:**

1. Travel distance in open parking garages is permitted to be measured to the closest riser of open exit stairways.
2. In outdoor facilities with open exit access components and open exterior exit stairways or exit ramps, travel distance is permitted to be measured to the closest riser of an exit stairway or the closest slope of the exit ramp.
3. In other than occupancy Groups H and I, the exit access travel distance to a maximum of 50 percent of the exits is permitted to be measured from the most remote point within a building to an exit using unenclosed exit access stairways or ramps when connecting a maximum of two stories. The two connected stories shall be provided with at least two means of egress. Such interconnected stories shall not be open to other stories.
4. In other than Occupancy Groups H and I, exit access travel distance is permitted to be measured from the most remote point within a building to an exit using unenclosed exit access stairways or ramps in the first and second stories above grade plane in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1. The first and second stories above grade plane shall be provided with at least two means of egress. Such interconnected stories shall not be open to other stories.

Where applicable, travel distance on unenclosed exit access stairways or ramps and on connecting stories shall also be included in the travel distance measurement. The measurement along stairways shall be made on a plane parallel and tangent to the stair tread nosings in the center of the stairway.

**Table 1016.1 Change to read as shown: (E111-07/08 AMPC1, E114-07/08)**

**TABLE 1016.1 (IFC [B] TABLE 1016.1)  
EXIT ACCESS TRAVEL DISTANCE<sup>a</sup>**

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (feet)	WITH SPRINKLER SYSTEM (feet)
A, E, F-1, M, R, S1	200	250 <sup>b</sup>
I-1	Not Permitted	250 <sup>c</sup>
B	200	300 <sup>c</sup>
F-2, S2, U	300	400 <sup>c</sup>
H-1	Not Permitted	75 <sup>c</sup>
H-2	Not Permitted	100 <sup>c</sup>
H-3	Not Permitted	150 <sup>c</sup>
H-4	Not Permitted	175 <sup>c</sup>
H-5	Not Permitted	200 <sup>c</sup>
I-2, I-3, I-4	Not Permitted	200 <sup>c</sup>

For SI: 1 foot = 304.8 mm.

- a. See the following sections for modifications to exit access travel distance requirements:
  - Section 402.4: For the distance limitation in malls.
  - Section 404.8: For the distance limitation through an atrium space.
  - Section 407.4: For the distance limitation in Group I-2.
  - Section 408.6.1 and 408.7.1: For the distance limitations in Group I-3.
  - Sections 411.4: For the distance limitation in Special Amusement Buildings.
  - Section 1014.2.2: For the distance limitation in Group I-2 Hospital Suites.
  - Section 1015.4: For the distance limitation in refrigeration machinery rooms.
  - Section 1015.5: For the distance limitation in refrigerated rooms and spaces
  - Section 1028.7: For increased limitation in assembly seating.
  - Section 1028.7: For increased limitation for assembly open-air seating.
  - Section 1021.2: For buildings with one exit.
  - Section 3103.4: For temporary structures.
  - Section 3104.9: For pedestrian walkways.
- b. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2. See Section 903 for occupancies where automatic sprinkler systems in accordance with Section 903.3.1.2 are permitted.
- c. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

**1016.2 Roof vent increase**

**1016.3 Exterior egress balcony**

*Sections do not apply*

## **SECTION 1017**

### **AISLES**

*No sections apply*

## **SECTION 1018**

### **CORRIDORS**

#### **1018.1 Construction**

#### **1018.2 Corridor width**

#### **1018.3 Corridor obstruction**

#### **1018.4 Dead ends**

#### **1018.5 Air movement in corridors**

*Sections do not apply*

**1018.6 Corridor continuity.** Fire-resistance-rated corridors shall be continuous from the point of entry to an exit, and shall not be interrupted by intervening rooms.

**Exception:** Foyers, lobbies or reception rooms constructed as required for corridors shall not be construed as intervening rooms.

## **SECTION 1019**

### **EGRESS BALCONIES**

*No sections apply*

## **SECTION 1020**

### **EXITS**

**1020.1 General.** Exits shall comply with Sections 1020 through 1026 and the applicable requirements of Sections 1003 through 1013. An exit shall not be used for any purpose that interferes with its function as a means of egress. Once a given level of exit protection is achieved, such level of protection shall not be reduced until arrival at the exit discharge.

**1020.2 Exterior exit doors.** Buildings or structures used for human occupancy shall have at least one exterior door that meets the requirements of Section 1008.1.1

**1020.2.1 Detailed requirements.** Exterior exit doors shall comply with the applicable requirements of Section 1008.1.

**1020.2.2 Arrangement.** Exterior exit doors shall lead directly to the exit discharge or the public way.

## **SECTION 1021**

### **NUMBER OF EXITS AND CONTINUITY**

**Current Section 1019.1 Renumber to and Change to read as shown: (E111-06/07, E113-06/07, E115-06/07, E122-06/07; G71-06/07, E110-07/08, E126-07/08)**

**1021.1 Exits from stories.** All spaces within each story shall have access to the minimum number of approved independent exits as specified in 1021.1 based on the occupant load of the story. For the purposes of this chapter, occupied roofs shall be provided with exits as required for stories.

#### **Exceptions:**

1. As modified by Section 403.15 (*Additional exit stairway*).
2. As modified by Section 1021.2.
3. Exit access stairways and ramps that comply with Exception 3 or 4 of Section 1016.1 shall be permitted to provide the minimum number of approved independent exits required by Table 1021.1 on each story.
4. In Groups R-2 and R-3 occupancies, one means of egress is permitted within and from individual dwelling units with a maximum occupant load of 20 where the dwelling unit is equipped throughout with an automatic sprinkler system in accordance with Sections 903.3.1.1 or 903.3.1.2.
5. Within a story, rooms and spaces complying with Section 1015.1 with exits that discharge directly to the exterior at the level of exit discharge, are permitted to have one exit.

The required number of exits from any story shall be maintained until arrival at grade or the public way.



**Table 1021.1**  
**Minimum number of exits for occupant load**

OCCUPANT LOAD (persons per story)	MINIMUM NUMBER OF EXITS (per story)
1-500	2
501-1,000	3
More than 1000	4

**1021.1.1 Parking structures**

**1021.1.2 Helistops**

*Sections do not apply*

**Current Section 1019.2 Renumber and Change to read as shown: (E113-06/07, E136-06/07, E127-07/08)**

**1021.2 Single exits.** Only one exit shall be required from Group R-3 occupancy buildings or from stories of other buildings as indicated in Table 1021.2. Occupancies shall be permitted to have a single exit in buildings otherwise required to have more than one exit if the areas served by the single exit do not exceed the limitations of Table 1021.2. Mixed occupancies shall be permitted to be served by single exits provided each individual occupancy complies with the applicable requirements of Table 1021.2 for that occupancy. Where applicable, cumulative occupant loads from adjacent occupancies shall be considered in accordance with the provisions of Section 1004.1. Basements with a single exit shall not be located more than one story below grade plane.

**Current Table 1019.2 Renumber and Change table to read as shown: (E136-06/07, E127-07/08)**

**TABLE 1021.2**  
**STORIES WITH ONE EXIT**

STORY	OCCUPANCY	MAXIMUM OCCUPANTS (OR DWELLING UNITS) PER FLOOR AND TRAVEL DISTANCE TO EXIT
First story or basement	A, B <sup>d</sup> , E <sup>e</sup> , F <sup>d</sup> , M, U, S <sup>d</sup>	49 occupants and 75 feet travel distance
	H-2, H-3	3 occupants and 25 feet travel distance
	H-4, H-5, I, R	10 occupants and 75 feet travel distance
	S <sup>a</sup>	29 occupants and 100 feet travel distance
Second story	B <sup>b</sup> , F, M, S <sup>a</sup>	29 occupants and 75 feet travel distance
	R-2	4 dwelling units and 50 feet travel distance
Third Story	R-2 <sup>c</sup>	4 dwelling units and 50 feet travel distance

For SI: 1 foot = 3048.mm

- a. For the required number of exits for parking structures, see Section 1019.1.1.
- b. For the required number of exits for air traffic control towers, see Section 412.1.
- c. Buildings classified as Group R-2 equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and provided with emergency escape and rescue openings in accordance with Section 1026.
- d. Group B, F and S occupancies in buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 shall have a maximum travel distance of 100 feet.
- e. Day care occupancies shall have a maximum occupant load of 10.

**1021.3 Exit continuity.** Exits shall be continuous from the point of entry into the exit to the exit discharge.

**1021.4 Exit door arrangement.** Exit door arrangement shall meet the requirements of Sections 1015.2 through 1015.2.2.

## SECTION 1022 EXIT ENCLOSURES

**Current Section 1020.1 Renumber and Change to read as shown: (E122-06/07, E138-06/07, E155-06/07; G8-06/07, E8-07/08, E10-07/08, E129-07/08)**

**1022.1 Enclosures required.** Interior exit stairways and interior exit ramps shall be enclosed with fire barriers constructed in accordance with Section 706 or horizontal assemblies constructed in accordance with Section 711, or both. Exit enclosures shall have a fire-resistance rating of not less than 2 hours where connecting four stories or more and not less than 1 hour where connecting less than four stories. The number of stories connected by the exit enclosure shall include any basements but not any mezzanines. Exit enclosures shall have a fire-resistance rating not less than the floor assembly penetrated, but need not exceed 2 hours. Exit enclosures shall lead directly to the exterior of the building or shall be extended to the exterior of the building with an exit passageway conforming to the requirements of Section 1023, except as permitted in Section 1027.1. An exit enclosure shall not be used for any purpose other than means of egress.

### Exceptions:

1. In all occupancies, other than Group H and I occupancies, a stairway is not required to be enclosed when the stairway serves an occupant load of less than 10 and the stairway complies with either Item 1.1 or 1.2. In all cases, the maximum number of connecting open stories shall not exceed two.
  - 1.1. The stairway is open to not more than one story above its level of exit discharge; or
  - 1.2. The stairway is open to not more than one story below its level of exit discharge.
2. Exits in buildings of Group A-5 where all portions of the means of egress are essentially open to the outside need not be enclosed.
3. Stairways serving and contained within a single residential dwelling unit or sleeping unit in Group R-1, R-2 or R-3 occupancies are not required to be enclosed.
4. Stairways in open parking structures that serve only the parking structure are not required to be enclosed.
5. Stairways in Group I-3 occupancies, as provided for in Section 408.3.6, are not required to be enclosed.
6. Means of egress stairways as required by Section 410.5.3 are not required to be enclosed.
7. Means of egress stairways from balconies, galleries or press boxes as provided for in Section 1028.5.1, are not required to be enclosed.

**Current Section 1020.1.1 "Openings and penetrations" Relocated to become Section 1022.3: (E130-07/08)**

**Sections 1022.2, 1022.2.1 Add new sections to read as shown: (E130-07/08)**

**1022.2 Termination.** Exit enclosures shall terminate at an exit discharge or a public way.

**Exception:** An exit enclosure shall be permitted to terminate at an exit passageway complying with Section 1023 provided the exit passageway terminates at an exit discharge or a public way.

**1022.2.1 Extension.** Where an exit enclosure is extended to an exit discharge or a public way by an exit passageway, the exit enclosure shall be separated from the exit passageway by a fire barrier constructed in accordance with Section 706 or a horizontal assembly constructed in accordance with Section 711, or both. The fire-resistance rating shall be at least equal to that required for the exit enclosure. A fire door assembly complying with Section 715.4 shall be installed in the fire barrier to provide a means of egress from the exit enclosure to the exit passageway. Openings in the fire barrier other than the fire door assembly are prohibited. Penetrations of the fire barrier are prohibited.

**Exception:** Penetrations of the fire barrier in accordance with Section 1022.4 shall be permitted.

**Current Section 1020.1.1 Relocate from Section 1020.1.1 and Change to read as shown: (E7-07/08, E130-07/08)**

**1022.3 Openings and penetrations.** Exit enclosure opening protectives shall be in accordance with the requirements of Section 715. Openings in exit enclosures other than unprotected exterior openings shall be limited to those necessary for exit access to the enclosure from normally occupied spaces and for egress from the enclosure. Elevators shall not open into an exit enclosure.

**1022.4 Penetrations.**

**1022.5 Ventilation.**

**1022.6 Exit enclosure exterior walls.**

**1022.7 Discharge identification.**

**1022.8 Floor identification signs.**

**1022.9 Smokeproof enclosures and pressurized stairways.**

*Sections do not apply*

**SECTION 1023  
EXIT PASSAGEWAYS**

*No sections apply*

**SECTION 1024  
LUMINOUS EGRESS PATH MARKINGS**

*No sections apply*

**SECTION 1025  
HORIZONTAL EXITS**

*No sections apply*

**SECTION 1026  
EXTERIOR EXIT RAMPS AND STAIRWAYS**

**1026.1 Exterior exit ramps and stairways.** Exterior exit ramps and stairways serving as an element of a required means of egress shall comply with this section.

**Exception:** Exterior exit ramps and stairways for outdoor stadiums complying with Section 1022.1, Exception 2.

**1026.2 Use in a means of egress.**

**1026.3 Open side.**

**1026.4 Side yards.**

**1026.5 Location.**

*Sections do not apply*

**1026.6 Exterior ramps and stairway protection.** Exterior exit ramps and stairways shall be separated from the interior of the building as required in Section 1022.1. Openings shall be limited to those necessary for egress from normally occupied spaces.

**Exceptions:**

1.- 3. *Exceptions do not apply*

3. Separation from the interior of the building is not required for an exterior ramp or stairway located in a building or structure that is permitted to have unenclosed interior stairways in accordance with Section 1022.1.

4. *Exception does not apply*

**SECTION 1027  
EXIT DISCHARGE**

*No sections apply*

**SECTION 1028  
ASSEMBLY**

*No sections apply*

**SECTION 1029  
EMERGENCY ESCAPE AND RESCUE**

*No sections apply*