1. CORRIDOR CONTINUITY AND HOISTWAY OPENINGS.

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3006.2.1 (New)

Add new text as follows:

3006.1 General. Elevator hoistway openings and enclosed elevator lobbies shall be provided in accordance with the following sections:

1. Where hoistway opening protection is required by Section 3006.2 such protection shall be in accordance with Section 3006.3.

2. Where enclosed elevator lobbies are required for underground buildings such lobbies shall comply with Section 405.4.3.

3. Where an area of refuge is required and an enclosed elevator lobby is provided to serve as an area of refuge, the enclosed elevator lobby shall comply with Section 1007.6.

4. Where fire service access elevators are provided, enclosed elevator lobbies shall comply with Section 3007.7.

5. Where occupant evacuation elevators are provided, enclosed elevator lobbies shall comply with Section 3008.7.

3006.2 Hoistway opening protection required. Elevator hoistway door openings shall be protected in accordance with Section 3006.3 where an elevator hoistway connects more than three stories, is required to be enclosed within a shaft enclosure in accordance with Section 712.1.1 and any of the following conditions apply:

1. The building is not protected throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2;  
2. The building contains a Group I-1 Condition 2 occupancy;  
3. The building contains a Group I-2 occupancy;  
4. The building contains a Group I-3 occupancy;  
5. The building is a high rise and the elevator hoistway is more than 75 feet (22 860 mm) in height. The height of the hoistway shall be measured from the lowest floor to the highest floor of the floors served by the hoistway.

Exceptions:
1. Protection of elevator hoistway door openings is not required where the elevator serves only open parking garages in accordance with Section 406.5.
2. Protection of elevator hoistway door openings is not required at the level(s) of exit discharge, provided the level(s) of exit discharge is equipped with an automatic sprinkler system in accordance with Section 903.3.1.1.

3. Enclosed elevator lobbies and protection of elevator hoistway door openings are not required on levels where the elevator hoistway opens to the exterior.

3006.2.1 Rated corridors. Where corridors are required to be fire resistance rated in accordance with Section 1020.1 elevator hoistway openings shall be protected in accordance with Section 3006.3.

3006.3 Hoistway opening protection. Where Section 3006.2 requires protection of the elevator hoistway door opening, the protection shall be provided by one of the following:

1. An enclosed elevator lobby shall be provided at each floor to separate the elevator hoistway shaft enclosure doors from each floor by fire partitions in accordance with Section 708. In addition, doors protecting openings in the elevator lobby enclosure walls shall comply with Section 716.5.3 as required for corridor walls. Penetrations of the enclosed elevator lobby by ducts and air transfer openings shall be protected as required for corridors in accordance with Section 717.5.4.1.

2. An enclosed elevator lobby shall be provided at each floor to separate the elevator hoistway shaft enclosure doors from each floor by smoke partitions in accordance with Section 710 where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. In addition, doors protecting openings in the smoke partitions shall comply with Sections 710.5.2.2, 710.5.2.3 and 716.5.9. Penetrations of the enclosed elevator lobby by ducts and air transfer openings shall be protected as required for corridors in accordance with Section 717.5.4.1.

3. Additional doors shall be provided at each elevator hoistway door opening in accordance with Section 3002.6. Such door shall comply with the smoke and draft control door assembly requirements in Section 716.5.3.1 when tested in accordance with UL 1784 without an artificial bottom seal.

4. The elevator hoistway shall be pressurized in accordance with Section 909.21.

3006.4 Means of egress. Elevator lobbies shall be provided with at least one means of egress complying with Chapter 10 and other provisions in this code. Egress through an elevator lobby shall be permitted in accordance with Item 1 of Section 1016.2.

Reason: During the 2012 cycle the CTC SG on Elevator lobbies submitted a code change FS88-12 to clarify that it was not the intent to require protection of a hoistway opening in rated corridors. Instead the CTC felt that the elevator lobby requirements themselves addressed this issue. This proposal was disapproved. Based upon that disapproval it appears that it is within the intent to require protection of elevator hoistway openings based upon the requirement for rated corridor construction. Therefore, this requirement needs to be specifically clarified within Section 3006 to avoid the requirement being missed. A new section 3006.2.1 has been written to clarify that intent.

It should be noted that this requirement in general has limited application. The following summarizes the buildings not already addressed by Section 3006.2 that are required to have rated corridors.

Unsprinklered buildings:
Both conditions below apply to require hoistway opening protection:

- Group A, B, E, F, M, S and U occupancies with an occupant load served by a corridor greater than 30.
- Hoistways connecting only 3 stories.

Sprinklered buildings
Both conditions below apply to require hoistway opening protection:

- Applicable Occupancies
• Group R greater than 10 served by corridor (.5 hr)
• Group H1, H-2, H-3 (1 hr)
• Group H4, H5 greater than 30 served by Corridor (1 hr)
• Non High rise buildings

Cost impact: This will not increase the cost of construction depending upon how this issue is being interpreted.

Substantiation. This item will only increase construction if it had not been interpreted to require protection of the hoistway opening in rated corridors. This would involve having to comply with Section 3006.3.

2. “ENCLOSED” ASSOCIATED WITH ELEVATOR LOBBIES

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405.4.3, 708.1, 716.5.9.3, [F]907.5.2.1, 3006.4, 3007.6, 3007.6.1, 3007.6.3, 3007.9, 3007.9.1 3008.6

Revise as follows:

405.4.3 Elevators. Where elevators are provided, each compartment shall have direct access to an elevator. Where an elevator serves more than one compartment, an enclosed elevator lobby shall be provided and shall be separated from each compartment by a smoke barrier in accordance with Section 709. Doors shall be gasketed, have a drop sill and be automatic-closing by smoke detection in accordance with Section 716.5.9.3.

708.1 General. The following wall assemblies shall comply with this section.

1. Separation walls as required by Section 420.2 for Groups I-1, R-1, R-2 and R-3.
2. Walls separating tenant spaces in covered and open mall buildings as required by Section 402.4.2.1.
3. Corridor walls as required by Section 1020.1.
4. Enclosed elevator lobby separation as required by Section 3006.2.
5. Egress balconies as required by Section 1019.2

716.5.9.3 Smoke-activated doors. Automatic-closing doors installed in the following locations shall be automatic-closing by the actuation of smoke detectors installed in accordance with Section 907.3 or by loss of power to the smoke detector or hold-open device. Doors that are automatic-closing by smoke detection shall not have more than a 10-second delay before the door starts to close after the smoke detector is actuated:

1-10. (remain unchanged)

11. Doors installed in the enclosed elevator lobby walls of underground buildings in accordance with Section405.4.3.

12. Doors installed in smoke partitions in accordance with Section 710.5.2.3.

[F] 907.5.2.1 Audible alarms. Audible alarm notification appliances shall be provided and emit a distinctive sound that is not to be used for any purpose other than that of a fire alarm.

Exceptions:
1. Audible alarm notification appliances are not required in critical care areas of Group I-2 Condition 2 occupancies that are in compliance with Section 907.2.6, Exception 2.
2. A visible alarm notification appliance installed in a nurses’ control station or other continuously attended staff location in a Group I-2 Condition 2 suite shall be an acceptable alternative to the
installation of audible alarm notification appliances throughout the suite in Group I-2 Condition 2 occupancies that are in compliance with Section 907.2.6, Exception 2.

3. Where provided, audible notification appliances located in each enclosed occupant evacuation elevator lobby in accordance with Section 3008.9.1 shall be connected to a separate notification zone for manual paging only.

**3006.4 Means of egress.** Elevator lobbies shall be provided with at least one means of egress complying with Chapter 10 and other provisions in this code. Egress through an enclosed elevator lobby shall be permitted in accordance with Item 1 of Section 1016.2.

**3007.6 Fire service access elevator lobby.** The fire service access elevator shall open into an enclosed fire service access elevator lobby in accordance with Sections 3007.6.1 through 3007.6.5. Egress is permitted through the enclosed elevator lobby in accordance with Item 1 of Section 1016.2.

**Exception:** Where a fire service access elevator has two entrances onto a floor, the second entrance shall be permitted to be protected in accordance with open into an elevator lobby in accordance with Section 3006.3.

**3007.6.1 Access to interior exit stairway or ramp.** The enclosed fire service access elevator lobby shall have direct access from the enclosed elevator lobby to an enclosure for an interior exit stairway or ramp.

**Exception:** Access to an interior exit stairway or ramp shall be permitted to be through a protected path of travel that has a level of fire protection not less than the elevator lobby enclosure. The protected path shall be separated from the enclosed elevator lobby through an opening protected by a smoke and draft control assembly in accordance Section 716.5.3.

**3007.6.3 Lobby doorways.** Other than doors to the hoistway, elevator control room or elevator control space, each doorway to an enclosed fire service access elevator lobby shall be provided with a 3/4-hour fire door assembly complying with Section 716.5. The fire door assembly shall comply with the smoke and draft control door assembly requirements of Section 716.5.3.1 with the UL 1784 test conducted without the artificial bottom seal.

**3007.9 Standpipe hose connection.** A Class I standpipe hose connection in accordance with Section 905 shall be provided in the interior exit stairway and ramp having direct access from the enclosed fire service access elevator lobby.

**3007.9.1 Access.** The exit enclosure containing the standpipe shall have access to the floor without passing through the enclosed fire service access elevator lobby.

**3008.6 Occupant evacuation elevator lobby.** Occupant evacuation elevators shall open into an enclosed elevator lobby in accordance with Sections 3008.6.1 through 3008.6.6. Egress is permitted through the elevator lobby in accordance with Item 1 of Section 1016.2.

**Reason:** This proposal is simply clarifying where elevator lobbies are intended to be enclosed. In some cases an elevator lobby is simply the area where the elevators open onto and no enclosure of the space is necessary. This does not necessarily mean the hoistway opening is not protected but instead that there is not a physical lobby enclosure.

It should be noted that there are some sections such as Section 909.21.6 that are not necessarily intending to address whether such lobbies are enclosed or unenclosed.

**Cost Impact.** There is no increase in construction cost.

**Substantiation.** This is simply clarification of when elevator lobbies are enclosed and there is no cost impact.