




What's in store for the 2012 Life Safety Code





**South Carolina Society
of Hospital Engineers**

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Stylish new GREEN Cover!!





2000-2012 Life Safety Code

Doors

- 18/19.3.7.8
 - Rabbets, bevets, or astragals shall be required at the meeting edges, and stops shall be required at the head and sides of door frames in smoke barriers. Positive latching hardware shall not be required. Center mullions shall be prohibited.
 - Doors in smoke barriers shall comply with 8.5.4 and all of the following:
 - (1) The doors shall be self-closing or automatic-closing in accordance with 18/19.2.2.2.7.
 - (2) Latching hardware shall not be required.
 - (3) Stops shall be required at the head and sides of door frames.
 - (4) Rabbets, bevets, or astragals shall be required at the meeting edges of pairs of doors.
 - (5) Center mullions shall be prohibited.

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Opening Protectives

- 8.3.4.2*
 - The fire protection rating for opening protectives in fire barriers, fire-rated smoke barriers, and fire-rated smoke partitions shall be in accordance with Table 8.3.4.2, except as otherwise permitted in 8.3.4.3 or 8.3.4.4.
 - A full table explaining the requirements fire glazing markings was added, sizes allowable, etc.



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Arrangements of Means of egress

- 7.5.1.4*
 - Where two exits or exit access doors are required, they shall be placed at a distance from one another not less than one-half the length of the maximum overall diagonal dimension of the building or area to be served, measured in a straight line between the nearest edge of the exit doors or exit access doors. Where exit enclosures are provided as the required exits and are interconnected by not less than a 1- hour fire resistance-rated corridor, exit separation shall be permitted to be measured along the line of travel within the corridor.
- Removed



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Suite Egress

- Egress in to another suite
 - Not allowed in 2000 edition
- A suite that requires two means of egress is permitted have one means of egress to be into another suite, provided that the separation between the suite complies with 18.3.6.2 through 18/19.3.6.5 (18/19.2.5.7.2.2(C) (corridor wall requirements)



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Suite Egress

- 18/19.2.5.8 Suites of rooms, other than patient sleeping rooms, shall be permitted to have one intervening room if the travel distance within the suite to the exit access door does not exceed 100 ft (30 m) and shall be permitted to have two intervening rooms where the travel distance within the suite to the exit access door does not exceed 50 ft (15 m).
- 18/19.2.5.7.2.1 Sleeping Suite Arrangement.
 - (A)* Occupants of habitable rooms within sleeping suites shall have exit access to a corridor complying with 18.3.6, or to a horizontal exit, directly from the suite.
 - (B) Where two or more exit access doors are required from the suite by 18.2.5.5.1, one of the exit access doors shall be permitted to be directly to an exit stair, exit passageway, or exit door to the exterior.



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Door Locking

- 18/19.2.2.5.1* Door-locking arrangements shall be permitted where the clinical needs of patients require specialized security measures or where patients pose a security threat, provided that staff can readily unlock doors at all times in accordance with 18.2.2.6.
- 18/19.2.2.5.2* Door-locking arrangements shall be permitted where patient special needs require specialized protective measures for their safety, provided that all of the following criteria are met:
 - (1) Staff can readily unlock doors at all times in accordance with 18.2.2.6.
 - (2) A total (complete) smoke detection system is provided throughout the locked space in accordance with 9.6.2.9, or locked doors can be remotely unlocked at an approved, constantly attended location within the locked space. (3)* The building is protected throughout by an approved, supervised automatic sprinkler system in accordance with 18.3.5.1.
 - (4) The locks are electrical locks that fail safely so as to release upon loss of power to the device.
 - (5) The locks release by independent activation of each of the following:
 - (a) Activation of the smoke detection system required by 18.2.2.5.2(2)
 - (b) Water flow in the automatic sprinkler system required by 18.2.2.5.2(3)



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Corridor Obstructions

- 18/19.2.3.4* Aisles, corridors, and ramps required for exit access in a hospital or nursing home shall be not less than 8 ft (2440 mm) in clear and unobstructed
 - (1)* Aisles, corridors, and ramps in adjunct areas not intended for the housing, treatment, or use of inpatients shall be not less than
 - (2)* Noncontinuous projections not more than 6 in. (150 mm) from the corridor wall, positioned not less than 38 in. (965 mm) above the floor, shall be permitted.
 - (3)* Exit access within a room or suite of rooms complying with the requirements of 18.2.5 shall be permitted.



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Corridor Obstructions (Cont)

- (4) Projections into the required width shall be permitted for wheeled equipment, provided that all of the following conditions are met:
 - (a) The wheeled equipment does not reduce the clear unobstructed corridor width to less than 60 in. (1525 mm).
 - (b) The health care occupancy fire safety plan and training program address the relocation of the wheeled equipment during a fire or similar emergency.
 - (c) The wheeled equipment is limited to the following:
 - i. Equipment in use and carts in use
 - ii. Medical emergency equipment not in use
 - iii. Patient lift and transport equipment



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Corridor Obstructions (Cont)

- (5) *Where the corridor width is at least 8 ft (2440 mm), projections into the required width shall be permitted for fixed furniture, provided that all of the following conditions are met:
 - (a) The fixed furniture is securely attached to the floor or to the wall.
 - (b) The fixed furniture does not reduce the clear unobstructed corridor width to less than 6 ft (1830 mm), except as permitted by 18.2.3.4(2).
 - (c) The fixed furniture is located only on one side of the corridor.



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Corridor Obstructions (Cont)

- (d) The fixed furniture is grouped such that each grouping does not exceed an area of 50 ft² (4.6 m²).
- (e) The fixed furniture groupings addressed in 18.2.3.4(5)(d) are separated from each other by a distance of at least 10 ft (3050 mm).
- (f) The fixed furniture is located so as to not obstruct access to building service and fire protection equipment.
- (g) Corridors throughout the smoke compartment are protected by an electrically supervised automatic smoke detection system in accordance with 18.3.4, or the fixed furniture spaces are arranged and located to allow direct supervision by the facility staff from a nurses' station or similar space.
- (6) *Cross-corridor door openings in corridors with a required minimum width of 8 ft (2440 mm) shall have a clear width of not less than 6 ft 11 in. (2110 mm) for pairs of doors or a clear width of not less than 41 1/2 in. (1055 mm) for a single door.



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Combustible Decorations

- 18.7.5.6 Combustible decorations shall be prohibited in any health care occupancy, unless one of the following criteria is met:
 - (1) They are flame-retardant or are treated with approved fire-retardant coating that is listed and labeled for application to the material to which it is applied.
 - (2) The decorations meet the requirements of NFPA 701, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*.
 - (3) The decorations exhibit a heat release rate not exceeding 100 kW when tested in accordance with NFPA 289, *Standard Method of Fire Test for Individual Fuel Packages, using the 20 kW ignition source*.



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Combustible Decorations (cont)

- (4)*The decorations, such as photographs, paintings, and other art, are attached directly to the walls, ceiling, and non-fire-rated doors in accordance with the following:
 - (a) Decorations on non-fire-rated doors do not interfere with the operation or any required latching of the door and do not exceed the area limitations of 18.7.5.6(b), (c), or (d).
 - (b) Decorations do not exceed 20 percent of the wall, ceiling, and door areas inside any room or space of a smoke compartment that is not protected throughout by an approved automatic



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Combustible Decorations (cont)

- (c) Decorations do not exceed 30 percent of the wall, ceiling, and door areas inside any room or space of a smoke compartment that is protected throughout by an approved supervised automatic sprinkler system in accordance with Section 9.7.
- (d) Decorations do not exceed 50 percent of the wall, ceiling, and door areas inside patient sleeping rooms having a capacity not exceeding four persons, in a smoke compartment that is protected throughout by an approved, supervised automatic sprinkler system in accordance with Section 9.7.



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Soiled Linen and Trash Receptacles

- 18/19.7.5.7.1 Soiled linen or trash collection receptacles shall not exceed 32 gal (121 L) in capacity and shall meet all of the following requirements:
 - (1) The average density of container capacity in a room or space shall not exceed 0.5 gal/ft² (20.4 L/m²).
 - (2) A capacity of 32 gal (121 L) shall not be exceeded within any 64 ft² (6 m²) area.
 - (3)*Mobile soiled linen or trash collection receptacles with capacities greater than 32 gal (121 L) shall be located in a room protected as a hazardous area when not attended.
 - (4) Container size and density shall not be limited in hazardous areas.



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Soiled Linen and Trash Receptacles

- 18/19.7.5.7.2* Containers used solely for recycling clean waste or for patient records awaiting destruction shall be permitted to be excluded from the requirements of 18.7.5.7.1 where all the following conditions are met:
 - (1) Each container shall be limited to a maximum capacity of 96 gal (363 L), except as permitted by 18.7.5.7.2(2) or (3).
 - (2)*Containers with capacities greater than 96 gal (363 L) shall be located in a room protected as a hazardous area when not attended.
 - (3) Container size shall not be limited in hazardous areas.
 - (4) Containers for combustibles shall be labeled and listed as meeting the requirements of FM Approval Standard 6921, *Containers for Combustible Waste*; however, such testing, listing, and labeling shall not be limited to FM Approvals.
- 18/19.7.5.7.3 The provisions of 10.3.9, applicable to containers for rubbish, waste, or linen, shall not apply.



Questions



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