

**15-DAY EXPRESS TERMS  
FOR PROPOSED BUILDING STANDARDS  
OF THE OFFICE OF THE STATE FIRE MARSHAL  
REGARDING THE 2019 CALIFORNIA BUILDING CODE,  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, VOL 1 & 2**

**(SFM 01/18)**

The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific (Government Code Section 11346.2(a)(1)).

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**LEGEND FOR EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)**

1. Model Code language appears upright.
  2. Unmodified California 45-Day amendments appear in *underline and italics*.
  3. California 15-Day amendments appear in *double underline and italics*, and in ~~*double  
strikeout*~~.
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**NOTES:**

Notes to the reader appear within [brackets].

Rationale: The justification for the change is shown after each section or series of related changes.

Notation: Authority and reference citations are provided at the end of each chapter

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**15-DAY EXPRESS TERMS**

**Item 1. California editorial updates and errata by chapter**

Withdraw the following proposals from Item 1, these editorial proposals were to provide clarity, but may not have achieved the desired outcome.

- SFM 01/18-1-40 Section 403 Title
- SFM 01/18-1-41 Section 403.1
- SFM 01/18-1-44 Section 403.3.2
- SFM 01/18-1-45 Section 403.3.2.1
- SFM 01/18-1-46 Section 403.3.3
- SFM 01/18-1-87 TABLE 903.2.11.6
- SFM 01/18-1-88 Section 903.4.3
- SFM 01/18-1-90 Section 907.2.4312
- SFM 01/18-1-91 Section 907.2.4312.1
- SFM 01/18-1-92 Section 907.5.2.2
- SFM 01/18-1-93 Section 907.6.4.2
- SFM 01/18-1-94 Section 911.1
- SFM 01/18-1-100 Section 2702.2.9 11

[Table 602 has been revised to maintain the California amendment by incorporating it into the appropriate foot note sections by the occupancy Group, following model code format.]

## [Chapter 6]

[SFM 01/18-Addendum]

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**TABLE 602**  
**FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS**  
**BASED ON FIRE SEPARATION DISTANCE<sup>a, d, g</sup>**

FIRE SEPARATION DISTANCE = X (feet)	TYPE OF CONSTRUCTION	OCCUPANCY GROUP H <sup>e</sup> , L	OCCUPANCY GROUP F-1, M, S-1 <sup>f</sup>	OCCUPANCY GROUP A, B, E, F-2, I, R <sup>g</sup> , S-2, U <sup>h</sup>
$X < 5^b$	All	3	2	1
$5 \leq X < 10$	IA	3	2	1
	Others	2	1	1
$10 \leq X < 30$	IA, IB	2	1	1 <sup>c</sup>
	IIB, VB	1	0	0
	Others	1	1	1 <sup>c</sup>
$X \geq 30$	All	0	0	0

For SI: 1 foot = 304.8 mm.

- a. Load-bearing exterior walls shall also comply with the fire-resistance rating requirements of Table 601.
- b. See Section 706.1.1 for party walls.

- c. Open parking garages complying with Section 406 shall not be required to have a fire-resistance rating.
- d. The fire-resistance rating of an exterior wall is determined based upon the fire separation distance of the exterior wall and the story in which the wall is located.
- e. For special requirements for Group H occupancies, see Section 415.6.
- f. For special requirements for Group S aircraft hangars, see Section 412.3.1.
- g. Where Table 705.8 permits nonbearing exterior walls with unlimited area of unprotected openings, the required fire-resistance rating for the exterior walls is 0 hours.
- ~~h. Group R-3 and Group U occupancies when used as accessory to Group R-3 occupancies, shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet or more; or when equipped throughout with an automatic residential fire sprinkler system installed in accordance with Section 903.3 the fire-resistance rating shall not be required where the fire separation distance is 3 feet or more.~~
- h. For a building containing only a Group U occupancy private garage or carport, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet (1523 mm) or greater or when equipped throughout with an automatic sprinkler system in accordance with Section 903.3 the fire-resistance rating shall not be required where the fire separation distance is 3 feet or greater.
- i. For a Group R-3 building of Type II-B or Type V-B construction, the exterior wall shall not be required to have a fire-resistance rating where the fire separation distance is 5 feet (1523 mm) or greater or when equipped throughout with an automatic sprinkler system in accordance with Section 903.3 the fire-resistance rating shall not be required where the fire separation distance is 3 feet or greater.

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**Rationale:** The California amendment to Table 602 is being repealed and incorporated to the appropriate 2018 model code language. The intent is to maintain the benefit of the 2-foot difference when sprinklers are installed in both the Group U private garage or carport and the Group R-3 building of Type II-B or Type V-B construction. This eliminates confusion for the code user. This is editorial, with no regulatory change.

#### Notation

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.45, 1597.46, 1597.54, 1597.65, 13108, 13108.5, 13114, 13143, 13143.2, 13143.6, 13146, 13210, 13211, 17921, 18949.2, 25500 through 25545, Government Code Section 51189, Public Education Code 17074.50

Reference(s): Health and Safety Code Sections 13143, 13211, 18949.2, 25500 through 25545, Government Code Sections 51176, 51177, 51178 and 51179, Public Resources Code Sections 4201 through 4204.

## Item 7. Stairway Capacity

### [Chapter 10]

#### [SFM 01/18-7-1 Section 1005.3.1]

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**1005.3.1 Stairways.** The capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.3 inch (7.6 mm) per occupant. Where stairways serve more than one story, only the occupant load of each story considered individually shall be used in calculating the required capacity of the stairways serving that story.

#### **Exceptions:**

1. For other than Group ~~A~~, H and I-2 occupancies, the capacity, in inches, of means of egress stairways shall be calculated by multiplying the occupant load served by such stairways by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.

2. Facilities with smoke-protected assembly seating shall be permitted to use the capacity factors in Table 1029.6.2 indicated for stepped aisles for exit access or exit stairways where the entire path for means of egress from the seating to the exit discharge is provided with a smoke control system complying with Section 909.

3. Facilities with open-air assembly seating shall be permitted to the capacity factors in Section 1029.6.3 indicated for stepped aisles for exit access or exit stairways where the entire path for means of egress from the seating to the exit discharge is open to the outdoors.

*4. For Group H-1, H-2, H-3 and H-4 occupancies the total width of means of egress in inches (mm) shall not be less than the total occupant load served by the means of egress multiplied by 0.7 inches (7.62 mm) per occupant.*

~~5. For rooms or spaces used for assembly purposes without smoke protection see Section 1029.~~

**[SFM 01/18-7-2 Section 1005.3.2]**

**1005.3.2 Other egress components.** The capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.2 inch (5.1 mm) per occupant.

**Exceptions:**

1. For other than Group A, H and I-2 occupancies, the capacity, in inches, of means of egress components other than stairways shall be calculated by multiplying the occupant load served by such component by a means of egress capacity factor of 0.15 inch (3.8 mm) per occupant in buildings equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2 and an emergency voice/alarm communication system in accordance with Section 907.5.2.2.
2. Facilities with smoke-protected assembly seating shall be permitted to use the capacity factors in Table 1029.6.2 indicated for level or ramped aisles for means of egress components other than stairways where the entire path for means of egress from the seating to the exit discharge is provided with a smoke control system complying with Section 909.
3. Facilities with open-air assembly seating shall be permitted to the capacity factors in Section 1029.6.3 indicated for level or ramped aisles for means of egress components other than stairways where the entire path for means of egress from the seating to the exit discharge is open to the outdoors.
4. *For Group H-1, H-2, H-3 and H-4 occupancies the total width of means of egress in inches (mm) shall not be less than the total occupant load served by the means of egress multiplied by 0.4 inches (5.08 111m) per occupant.*
- ~~5. Means of egress complying with Section 1029.~~

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**Rationale:** The proposal is being modified based on the CAC comments of disapproval and public comment. The addition of the Group A occupancy in the exceptions has been removed, meeting the intent of the CAC recommendation. The OSFM proposal to remove the reference to Section 1029 remains, as this pointer is not relevant to stairs. The pointer is confusing and does not correlate with model code.

Notation

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.45, 1597.46, 1597.54, 1597.65, 13108, 13108.5, 13114, 13143, 13143.2, 13143.6, 13146, 13210, 13211, 17921, 18949.2, 25500 through 25545, Government Code Section 51189, Public Education Code 17074.50

Reference(s): Health and Safety Code Sections 13143, 13211, 18949.2, 25500 through 25545, Government Code Sections 51176, 51177, 51178 and 51179, Public Resources Code Sections 4201 through 4204.

## Item 12. Fire Command Center [Chapter 9]

### [SFM 01/18-12-1 Section 911.1.2]

Withdraw Item 12. The rationale had some information that was incorrect. The CAC was not given the opportunity to review this proposal with good justification, so the OSFM is withdrawing this item.

Notation

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.45, 1597.46, 1597.54, 1597.65, 13108, 13108.5, 13114, 13143, 13143.2, 13143.6, 13146, 13210, 13211, 17921, 18949.2, 25500 through 25545, Government Code Section 51189, Public Education Code 17074.50

Reference(s): Health and Safety Code Sections 13143, 13211, 18949.2, 25500 through 25545, Government Code Sections 51176, 51177, 51178 and 51179, Public Resources Code Sections 4201 through 4204.

## Item 15. OSHPD I-2 and I-2.1

### [Chapter 4]

### [SFM 01/18-15-5 Section 407.4.4]

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**407.4.4 Group I-2 and I-2.1 care suites.** *Care suites* in Group I-2 *or I-2.1* shall comply with Sections 407.4.4.1 through 407.4.4.4 and either Section 407.4.4.5 or 407.4.4.6 or 407.4.5.

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**Rationale:** A reference to Section 407.4.5 was added to Section 407.4.4. Section 407.4.5 is related to non-patient-care suites. Section 407.4.4 is related to care suites. The additional reference should not have been added. This was done with collaboration with the California Office of Statewide Health Planning and Development (OSHPD).

Notation:

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.45, 1597.46, 1597.54, 1597.65, 13108, 13108.5, 13114, 13143, 13143.2, 13143.6, 13146, 13210, 13211, 17921, 18949.2, 25500 through 25545, Government Code Section 51189, Public Education Code 17074.50

Reference(s): Health and Safety Code Sections 13143, 13211, 18949.2, 25500 through 25545, Government Code Sections 51176, 51177, 51178 and 51179, Public Resources Code Sections 4201 through 4204.

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## Item 17. Flammability Standards for Building Insulation Materials [Chapter 26]

[SFM 01/18-17-5 Section 2603.4.1.15]

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~~2603.4.1.15. Foam plastic insulation installed in the horizontal portions of frost-protected shallow foundations in accordance with CRC Section R403.3, CBC Section 1800.5/ASCE 32, or CEC Section 110.8.~~

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**Rationale:** The OSFM has taken the recommendations from the Code Advisory Committee's (CAC) and modified the regulations. The section was intended to be withdrawn from the 45-day submittal to correlate with the California Residential Code, Part 2.5 submittal. The proposals would allow the use of non-fire retardant treated polystyrene foam insulation board in horizontal applications for frost-protected shallow foundations installed in accordance with ASCE 32, or under a 3.5-inch concrete slab. The change was made during the 45 day and this section was missed and needs to be removed to meet the intent of the OSFM and correlate with the language in the California Residential Code.

The OSFM believes that the modified regulations meet the intent of AB127 and addresses the concerns of the CAC committee without having to conduct a long-term study.

Notation

Authority: Health and Safety Code Sections 1250, 1569.72, 1569.78, 1568.02, 1502, 1597.44, 1597.45, 1597.46, 1597.54, 1597.65, 13108, 13108.5, 13114, 13143, 13143.2, 13143.6, 13146, 13210, 13211, 17921, 18949.2, 25500 through 25545, Government Code Section 51189, Public Education Code 17074.50

Reference(s): Health and Safety Code Sections 13143, 13211, 18949.2, 25500 through 25545, Government Code Sections 51176, 51177, 51178 and 51179, Public Resources Code Sections 4201 through 4204.