



## Errata

## NFPA 1

## *Fire Code*

2015 Edition

**Reference: 2.2, Table 6.1.14.4.1(a) and (b), 13.3.1.6, 13.7.2.13.2.1, 14.11.3.3, 18.5.2, 18.5.3, 20.1.2, 20.1.5.12, 25.1.1, 25.3, 25.4, A.3.3.164.2, and A.13.3.2.9.1**

**Errata No: 1-15-1**

The Committee on Fire Code notes the following errors in the 2015 edition of NFPA 1, *Fire Code*.

1. *Revise Section 2.2 by replacing the NFPA 1192 edition year of 2014 with 2015, as follows: NFPA 1192, Standard on Recreational Vehicles, ~~2014~~2015 edition.*

2. *Revise Table 6.1.14.4.1(a) and (b), single-dagger footnote, by replacing the reference to 13.3.1.7 with 13.3.1.8, as follows:*

<sup>†</sup>*Minimum Fire Resistance Rating.* The fire resistance rating is permitted to be reduced by 1 hour, but in no case to less than 1 hour, where the building is protected throughout by an approved automatic sprinkler system in accordance with NFPA 13 and supervised in accordance with 13.3.1.7~~8~~.

3. *Revise 13.3.1.6 by deleting 'water mist' as follows:*

**13.3.1.6\*** In areas protected by automatic sprinklers, automatic ~~water mist~~ heat-detection devices required by other sections of this *Code* shall not be required. [**101**: 9.7.1.4]

4. *Revise 13.7.2.13.2.1 by replacing the reference to 13.7.2.14 with 13.7.1.14, as follows:*

**13.7.2.13.2.1** Carbon monoxide alarms or carbon monoxide detectors in accordance with 13.7.2.1~~1~~.14 and 13.7.2.13.2 shall be provided in new one- and two-family dwellings where either of the following conditions exists:

(1) Dwelling units with communicating attached garages, unless otherwise exempted by 13.7.2.13.2.3

(2) Dwelling units containing fuel-burning appliances or fuel-burning fireplaces  
[101: 24.3.4.2.1]

5. Revise 14.11.3.3 by replacing the NFPA 101 extract citation of 7.7.3.4 with 7.7.3.3, as follows:

**14.11.3.3\*** Stairs and ramps that continue more than one-half story beyond the level of discharge shall be provided with an approved means to prevent or dissuade occupants from traveling past the level of discharge during emergency building evacuation. [101: 7.7.3.43]

6. Revise 18.5.2 by deleting '(122 m)' and replacing it with '(183 m)' as follows:

**18.5.2 Detached One- and Two-Family Dwellings.** Fire hydrants shall be provided for detached one- and two-family dwellings in accordance with both of the following:

(1) The maximum distance to a fire hydrant from the closest point on the building shall not exceed 600 ft (~~422~~183 m).

(2) The maximum distance between fire hydrants shall not exceed 800 ft (244 m).

7. Revise 18.5.3 by deleting '(76 m)' and replacing it with '(122 m)' as follows:

**18.5.3 Buildings Other than Detached One- and Two-Family Dwellings.** Fire hydrants shall be provided for buildings other than detached one- and two-family dwellings in accordance with both of the following:

(1) The maximum distance to a fire hydrant from the closest point on the building shall not exceed 400 ft (~~76~~122 m).

(2) The maximum distance between fire hydrants shall not exceed 500 ft (152 m).

8. Revise 20.1.2 *Flame-Retardant Requirements* by changing the NFPA 101 extract citations from 12.4.5.11.X and 13.4.5.11.X to 12.4.6.11.X and 13.4.6.11.X, respectively, as follows:

**20.1.2 Flame-Retardant Requirements.**

**20.1.2.1** Combustible scenery of cloth, film, vegetation (dry), and similar materials shall comply with one of the following:

(1) They shall meet the flame propagation performance criteria contained in Test Method 1 or Test Method 2, as appropriate, of NFPA 701, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films*.

(2) They shall 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. [101: 12.4.56.11.1; 101: 13.4.56.11.1]

**20.1.2.2** Foamed plastics (*see definition of cellular or foamed plastic in 3.3.41 of NFPA 101*) shall be permitted to be used if they 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 or by specific approval of the AHJ. [101: 12.4.56.11.2; 101: 13.4.56.11.2]

**20.1.2.3** Scenery and stage properties not separated from the audience by proscenium opening protection shall be of noncombustible materials, limited-combustible materials, or fire-retardant-treated wood. [**101:** 12.4.6.11.3; **101:** 13.4.56.11.3]

**20.1.2.4** In theaters, motion picture theaters, and television stage settings, with or without horizontal projections, and in simulated caves and caverns of foamed plastic, any single fuel package shall have a heat release rate not to exceed 100 kW where tested in accordance with one of the following:

- (1) UL 1975, *Standard for Fire Tests for Foamed Plastics Used for Decorative Purposes*
- (2) NFPA 289, *Standard Method of Fire Test for Individual Fuel Packages*, using the 20 kW ignition source [**101:** 12.4.56.11.4; **101:** 13.4.56.11.4]

9. Revise 20.1.5.12 *Projection Rooms* by changing the NFPA 101 extract citations from 12.4.6.X and 13.4.6.X to 12.4.7.X and 13.4.7.X, respectively, as follows:

**20.1.5.12 Projection Rooms.**

**20.1.5.12.1** Film or video projectors or spotlights utilizing light sources that produce particulate matter or toxic gases, or light sources that produce hazardous radiation, without protective shielding shall be located within a projection room complying with 12.3.2.1.2 of NFPA 101. [**101:** 12.4.67.3; **101:** 13.4.67.3]

**20.1.5.12.2** Every projection room shall be of permanent construction consistent with the building construction type in which the projection room is located and shall comply with the following:

- (1) Openings shall not be required to be protected.
- (2) The room shall have a floor area of not less than 80 ft<sup>2</sup> (7.4 m<sup>2</sup>) for a single machine and not less than 40 ft<sup>2</sup> (3.7 m<sup>2</sup>) for each additional machine.
- (3) Each motion picture projector, floodlight, spotlight, or similar piece of equipment shall have a clear working space of not less than 30 in. (760 mm) on each side and at its rear, but only one such space shall be required between adjacent projectors. [**101:** 12.4.67.4; **101:** 13.4.67.4]

10. Revise 25.1.1 by adding 'NFPA 102' as follows:

**25.1.1** The construction, location, protection, and maintenance of grandstands and bleachers, folding and telescopic seating, tents, and membrane structures shall meet the requirements of this chapter. Seating facilities located in the open air or within enclosed or semi-enclosed structures, such as tents, membrane structures, and stadium complexes, shall comply with this chapter, NFPA 101, and NFPA 102, *Standard for Grandstands, Folding and Telescopic Seating, Tents, and Membrane Structures*.

11. Revise Section 25.3 by changing all NFPA 101 extract citations from 12.4.8.X.X to 12.4.9.X.X, as follows:

**25.3 Grandstands.**

**25.3.1 Seating.**

**25.3.1.1** Where grandstand seating without backs is used indoors, rows of seats shall be spaced not less than 22 in. (560 mm) back-to-back. [**101:** 12.4.89.2.1]

**25.3.1.2** The depth of footboards and seat boards in grandstands shall be not less than 9 in. (230 mm); where the same level is not used for both seat foundations and footrests, footrests independent of seats shall be provided. [101: 12.4.89.2.2]

**25.3.1.3** Seats and footrests of grandstands shall be supported securely and fastened in such a manner that they cannot be displaced inadvertently. [101: 12.4.89.2.3]

**25.3.1.4** Individual seats or chairs shall be permitted only if secured in rows in an approved manner, unless seats do not exceed 16 in number and are located on level floors and within railed-in enclosures, such as boxes. [101: 12.4.89.2.4]

**25.3.1.5** The maximum number of seats permitted between the farthest seat in an aisle in grandstands and bleachers shall not exceed that shown in Table 25.3.1.5. [101: 12.4.89.2.5]

**Table 25.3.1.5 Maximum Number of Seats Between Farthest Seat and an Aisle**

Application	Outdoors	Indoors
Grandstands	11	6
Bleachers [See 12.2.5.6.1.2 of 101]	20	9

[101: Table 12.4.9.2.5.]

### **25.3.2 Special Requirements — Wood Grandstands.**

**25.3.2.1** An outdoor wood grandstand shall be erected within not less than two-thirds of its height and, in no case, within not less than 10 ft (3050 mm) of a building, unless otherwise permitted by the following:

(1) The distance requirement shall not apply to buildings having minimum 1-hour fire resistance-rated construction with openings protected against the fire exposure hazard created by the grandstand.

(2) The distance requirement shall not apply where a wall having minimum 1-hour fire resistance-rated construction separates the grandstand from the building. [101: 12.4.89.3.1]

**25.3.2.2** An outdoor wood grandstand unit shall not exceed 10,000 ft<sup>2</sup> (929 m<sup>2</sup>) in ground area or 200 ft (61 m) in length, and the following requirements also shall apply:

(1) Grandstand units of the maximum size shall be placed not less than 20 ft (6100 mm) apart or shall be separated by walls having a minimum 1-hour fire resistance rating.

(2) The number of grandstand units erected in any one group shall not exceed three.

(3) Each group of grandstand units shall be separated from any other group by a wall having minimum 2-hour fire resistance-rated construction extending 24 in. (610 mm) above the seat platforms or by an open space of not less than 50 ft (15 m). [101: 12.4.89.3.2]

**25.3.2.3** The finished ground level area or length required by 25.3.2.2 shall be permitted to be doubled where one of the following criteria is met:

(1) Where the grandstand is constructed entirely of labeled fire-retardant-treated wood that has passed the standard rain test, ASTM D 2898, *Standard Test Methods for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing*

(2) Where the grandstand is constructed of members conforming to dimensions for heavy timber construction [Type IV (2HH)] [101: 12.4.89.3.3]

**25.3.2.4** The highest level of seat platforms above the finished ground level or the surface at the front of any wood grandstand shall not exceed 20 ft (6100 mm). [101: 12.4.89.3.4]

**25.3.2.5** The highest level of seat platforms above the finished ground level, or the surface at the front of a portable grandstand within a tent or membrane structure, shall not exceed 12 ft (3660 mm). [101: 12.4.89.3.5]

**25.3.2.6** The height requirements specified in 25.3.2.4 and 25.3.2.5 shall be permitted to be doubled where constructed entirely of labeled fire-retardant-treated wood that has passed the standard rain test, ASTM D 2898, or where constructed of members conforming to dimensions for heavy timber construction [Type IV (2HH)]. [101: 12.4.89.3.6]

### **25.3.3 Special Requirements — Portable Grandstands.**

**25.3.3.1** Portable grandstands shall conform to the requirements of Section 25.3 for grandstands and the requirements of 25.3.3.2 through 25.3.3.7. [101: 12.4.89.4.1]

**25.3.3.2** Portable grandstands shall be self-contained and shall have within them all necessary parts to withstand and restrain all forces that might be developed during human occupancy. [101: 12.4.89.4.2]

**25.3.3.3** Portable grandstands shall be designed and manufactured so that, if any structural members essential to the strength and stability of the structure have been omitted during erection, the presence of unused connection fittings shall make the omissions self-evident. [101: 12.4.89.4.3]

**25.3.3.4** Portable grandstand construction shall be skillfully accomplished to produce the strength required by the design. [101: 12.4.89.4.4]

**25.3.3.5** Portable grandstands shall be provided with base plates, sills, floor runners, or sleepers of such area that the permitted bearing capacity of the supporting material is not exceeded. [101: 12.4.89.4.5]

**25.3.3.6** Where portable grandstands rest directly on a base of such character that it is incapable of supporting the load without appreciable settlement, mud sills of suitable material, having sufficient area to prevent undue or dangerous settlement, shall be installed under base plates, runners, or sleepers. [101: 12.4.89.4.6]

**25.3.3.7** All bearing surfaces of portable grandstands shall be in contact with each other. [101: 12.4.89.4.7]

**25.3.4 Spaces Underneath Grandstands.** Spaces underneath a grandstand shall be kept free of flammable or combustible materials, unless protected by an approved, supervised automatic sprinkler system in accordance with Section 13.3 or unless otherwise permitted by the following:

(1) This requirement shall not apply to accessory uses of 300 ft<sup>2</sup> (28 m<sup>2</sup>) or less, such as ticket booths, toilet facilities, or concession booths where constructed of noncombustible or fire-resistive construction in otherwise nonsprinklered facilities.

(2) This requirement shall not apply to rooms that are enclosed in not less than 1-hour fire resistance-rated construction and are less than 1000 ft<sup>2</sup> (93 m<sup>2</sup>) in otherwise nonsprinklered facilities. [101: 12.4.89.5]

### **25.3.5 Guards and Railings.**

**25.3.5.1** Railings or guards not less than 42 in. (1065 mm) above the aisle surface or footrest or not less than 36 in. (915 mm) vertically above the center of the seat or seat board surface, whichever is adjacent, shall be provided along those portions of the backs and ends of all grandstands where the seats are more than 48 in. (1220 mm) above the floor or the finished ground level. [101: 12.4.89.6.1]

**25.3.5.2** The requirement of 25.3.5.1 shall not apply where an adjacent wall or fence affords equivalent safeguard. [**101:** 12.4.89.6.2]

**25.3.5.3** Where the front footrest of any grandstand is more than 24 in. (610 mm) above the floor, railings or guards not less than 33 in. (825 mm) above such footrests shall be provided. [**101:** 12.4.89.6.3]

**25.3.5.4** The railings required by 25.3.5.3 shall be permitted to be not less than 26 in. (660 mm) high in grandstands or where the front row of seats includes backrests. [**101:** 12.4.89.6.4]

**25.3.5.5** Cross aisles located within the seating area shall be provided with rails not less than 26 in. (660 mm) high along the front edge of the cross aisle. [**101:** 12.4.89.6.5]

**25.3.5.6** The railings specified by 25.3.5.5 shall not be required where the backs of the seats in front of the cross aisle project 24 in. (610 mm) or more above the surface of the cross aisle. [**101:** 12.4.89.6.6]

**25.3.5.7** Vertical openings between guardrails and footboards or seat boards shall be provided with intermediate construction so that a 4 in. (100 mm) diameter sphere cannot pass through the opening. [**101:** 12.4.89.6.7]

**25.3.5.8** An opening between the seat board and footboard located more than 30 in. (760 mm) above the finished ground level shall be provided with intermediate construction so that a 4 in. (100 mm) diameter sphere cannot pass through the opening. [**101:** 12.4.89.6.8]

*12. Revise Section 25.4 by changing all NFPA 101 extract citations from 12.4.9.X.X to 12.4.10.X.X, as follows:*

#### **25.4 Folding and Telescopic Seating.**

##### **25.4.1 Seating.**

**25.4.1.1** The horizontal distance of seats, measured back-to back, shall be not less than 22 in. (560 mm) for seats without backs, and the following requirements shall also apply:

(1) There shall be a space of not less than 12 in. (305 mm) between the back of each seat and the front of each seat immediately behind it.

(2) If seats are of the chair type, the 12 in. (305 mm) dimension shall be measured to the front edge of the rear seat in its normal unoccupied position.

(3) All measurements shall be taken between plumb lines. [**101:** 12.4.910.2.1]

**25.4.1.2** The depth of footboards (footrests) and seat boards in folding and telescopic seating shall be not less than 9 in. (230 mm). [**101:** 12.4.910.2.2]

**25.4.1.3** Where the same level is not used for both seat foundations and footrests, footrests independent of seats shall be provided. [**101:** 12.4.910.2.3]

**25.4.1.4** Individual chair-type seats shall be permitted in folding and telescopic seating only if firmly secured in groups of not less than three. [**101:** 12.4.910.2.4]

**25.4.1.5** The maximum number of seats permitted between the farthest seat in an aisle in folding and telescopic seating shall not exceed that shown in Table 25.3.1.5. [**101:** 12.4.910.2.5]

##### **25.4.2 Guards and Railings.**

**25.4.2.1** Railings or guards not less than 42 in. (1065 mm) above the aisle surface or footrest or not less than 36 in. (915 mm) vertically above the center of the seat or seat board surface, whichever is adjacent, shall be provided along those portions of the backs and ends of all folding

and telescopic seating where the seats are more than 48 in. (1220 mm) above the floor or the finished ground level. [101: 12.4.910.3.1]

**25.4.2.2** The requirement of 25.4.2.1 shall not apply where an adjacent wall or fence affords equivalent safeguard. [101: 12.4.910.3.2]

**25.4.2.3** Where the front footrest of folding or telescopic seating is more than 24 in. (610 mm) above the floor, railings or guards not less than 33 in. (825 mm) above such footrests shall be provided. [101: 12.4.910.3.3]

**25.4.2.4** The railings required by 25.4.2.3 shall be permitted to be not less than 26 in. (660 mm) high where the front row of seats includes backrests. [101: 12.4.910.3.4]

**25.4.2.5** Cross aisles located within the seating area shall be provided with rails not less than 26 in. (660 mm) high along the front edge of the cross aisle. [101: 12.4.910.3.5]

**25.4.2.6** The railings specified by 25.4.2.5 shall not be required where the backs of the seats in front of the cross aisle project 24 in. (610 mm) or more above the surface of the cross aisle. [101: 12.4.910.3.6]

**25.4.2.7** Vertical openings between guardrails and footboards or seat boards shall be provided with intermediate construction so that a 4 in. (100 mm) diameter sphere cannot pass through the opening. [101: 12.4.910.3.7]

**25.4.2.8** An opening between the seat board and footboard located more than 30 in. (760 mm) above the finished ground level shall be provided with intermediate construction so that a 4 in. (100 mm) diameter sphere cannot pass through the opening. [101: 12.4.910.3.8]

*13. Revise 63.4.7.1 by including the reference to 63.4.7 as follows:*

**63.4.7.1 General.** Cryogenic containers and systems in storage or use shall be separated from materials and conditions that present exposure hazards to or from each other in accordance with 63.4.7. [55:8.7.1]

*14. Revise A.3.3.164.2 by changing the NFPA 30A extract citation from A.3.3.32.2 to A.3.3.33.2, as follows:*

**A.3.3.164.2 Flammable Liquid.** For the purposes of this Code, a material with a Reid vapor pressure greater than an absolute pressure of 40 psi (276 kPa) is considered to be a gas and is, therefore, not within the scope of NFPA 30. See NFPA 58, *Liquefied Petroleum Gas Code*. [30: A.3.3.3233.2]

*15. Revise A.13.3.2.9.1 by replacing '(1860 m<sup>2</sup>)' with '(1120 m<sup>2</sup>)', as follows:*

**A.13.3.2.9.1** It is the intent to permit use of the criteria of 8.2.1.3(1) of NFPA 101 to create separate buildings for purposes of limiting educational occupancy building area to not more than 12,000 ft<sup>2</sup> (~~1860~~1120 m<sup>2</sup>). [101: A.14.3.5.1]

Issue Date: December 15, 2014

(Note: Electronic products and pamphlet reprints may have this errata incorporated. For current information about the NFPA Codes and Standards, including this errata, please see [www.nfpa.org/codelist](http://www.nfpa.org/codelist))

Copyright © 2014 All Rights Reserved  
NATIONAL FIRE PROTECTION ASSOCIATION