

Chapter 20: FIRE SAFETY IN BUILDINGS AND STRUCTURES

SUMMARY: This rule incorporates by reference National Fire Protection Association (NFPA) #101, *Life Safety Code*, 2009~~18~~ edition; NFPA #80, *Standard for Fire Doors and other Opening Protectives*, 2010~~19~~ edition; and NFPA #220, *Standard on Types of Building Construction*, 2006~~18~~ edition; NFPA # 221 Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls, 2018 edition; and NFPA #241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations*, 2019 edition. Specific provisions of the Life Safety Code have been excluded to avoid conflict with the *Maine Uniform Building and Energy Code*, and several provisions have been modified to make the provisions specific to Maine. This chapter also includes rules governing portable classrooms and indoor and special pyrotechnic events.

1. This rule incorporates by reference National Fire Protection Association Standard #101, *Life Safety Code*, 2009~~18~~ edition. All rights reserved by the National Fire Protection Association. Copies of this standard are available through the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.
 - A. **Unvented fuel-fired heaters.** Unvented fuel-fired heaters shall not be used in a bedroom or bathroom or in a manufactured home.
 - ~~B. **Extinguishment Requirements.** The following provisions of NFPA # 101, the *Life Safety Code*, 2009 edition, are not incorporated by reference:

 - ~~1. Chapter 12, section 12.3.5.3, subsections 3 & 4; and,~~
 - ~~2. Chapter 13, section 13.3.5.3, subsections 1 & 2.~~~~
 - B.C. **Extinguishment Requirements in One- and Two- Family Dwellings.** Section 24.3.5.1 of NFPA #101, the *Life Safety Code*, 2009~~18~~ edition, is not incorporated by reference.
 - C.D. **Stair risers, guards, treads, and tread nosing.** The following provisions of NFPA # 101, *Life Safety Code*, 2009~~18~~ edition, are modified as indicated: The maximum height of risers as prescribed in Chapter 24, Section 24.2.5 is modified to permit a maximum 7 ¾” riser for newly constructed stairs in one- and two family dwellings only. The minimum height of guards as prescribed in Chapter 24, Section 24.2.5 is modified to permit a minimum guard height of 36” for newly constructed stairs in one- and two family dwellings only. The minimum tread depth as prescribed in Chapter 24, Section 24.2.5 shall be amended to permit a 10” tread depth for newly constructed stairs in one-and two family dwellings only. Tread nosing as prescribed in Chapter 7, Section 7.2.2.3.53.2 is modified to permit a nosing at least ¾” but not more than 1 ¼” in depth for newly constructed one-and two family dwellings. Nosings are not required where tread depth is not less than 11 inches.

D.F. **Separated Occupancies.** Tables 6.1.14.4.1 ~~a & b~~ **Part 1 & 2**, “*Required Separation of Occupancies (hours.)*” shall be cross referenced with Table 508.4 *Required Separation of Occupancies* of the ~~2009~~15 *International Building Code(IBC)*. Where separation requirements in the two tables conflict, separation requirements set forth in the IBC table control.

E.F. **Accessory Occupancies.** Chapter 6, Section 6.1.14.1.3 of NFPA # 101, *Life Safety Code*, 200918 edition, is not incorporated. Section 508.2 *Accessory Occupancies*, of the ~~2009~~15 *International Building Code* governs.

F.G. **Dead End Corridors.** The following provisions of NFPA # 101, *Life Safety Code*, 200918 edition, are modified as indicated: Chapter 18, Section 18.2.5.2 is modified to require dead end corridors not to exceed 20 feet. Chapter 32, Section 32.3.2.5.4 is modified to require dead end corridors not to exceed 50 feet. Chapter 42, Table 42.2.5 is modified to require that a dead end corridor in an ordinary hazard storage occupancy protected by a sprinkler system not exceed 50 feet. A dead end corridor in an ordinary hazard storage occupancy not protected by a sprinkler shall not exceed 20 ft.

G. Chapter 33.7.3.6 Add. Section 19.7 shall apply in such instances.

2. This rule incorporates by reference the National Fire Protection Association Standard #80, *Standard for Fire Doors and other Opening Protectives*, 201019 edition. All rights reserved by the National Fire Protection Association. Copies of this standard are available through the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.
3. This rule incorporates by reference the National Fire Protection Association Standard #220, *Standard for Types of Building Construction*, 200618 edition. All rights reserved by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.
4. This rule incorporates by reference the National Fire Protection Association Standard #221, Standard for High Challenge Fire Walls, Fire Walls and Fire Barrier Walls, 2018 edition. All rights reserved by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.
5. This rule incorporates by reference the National Fire Protection Association Standard #241, Standard for Safeguarding Construction, Alterations, and Demolition Operations, 2019 edition. All rights reserved by the National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02269.

6.4. **Portable Classrooms**

Portable Classrooms shall mean buildings manufactured and moved to a site to provide educational space for educational facilities. Similar portable classrooms may be site built if the installation follows these requirements and a construction permit is obtained in accordance with Title 25 M.R.S.A. §2448.

- A. All portable classrooms shall be placed in such a manner that no part of the portable classroom is within 20 feet horizontally to any other building.

- B. Groups of portable classrooms shall maintain 20 feet of clearance between individual buildings.
- C. All groups of buildings under this construction shall have a construction permit issued by the Office of State Fire Marshal as required by Title 25 M.R.S.A. §2448.
- D. Buildings and groups of buildings on the same property shall have fire alarm systems as required (NFPA 101, 2009~~18~~ edition, Sections 14.3.4 and 15.3.4) and all systems shall be interconnected.
- E. Fire Drills shall be conducted in conjunction with drills in main educational buildings.
- F. Portable classrooms shall meet all egress requirements of the adopted National Fire Protection Association Standard #101, *Life Safety Code*, 2009~~18~~ edition.
- G. No installation shall be completed unless a letter from the municipal fire authority has been received by the Office of State Fire Marshal. This letter must indicate that the fire authority's ability to respond to fire emergencies will not be hindered by the placement of the portable classrooms and that the installations of the portable classrooms do not violate local ordinances.

5. ~~Indoor Pyrotechnic Events~~

~~Indoor events using special effect display features, as defined in Title 8 M.R.S.A. §221 A, shall be held only:~~

- ~~A. In buildings fully protected by automatic fire sprinkler systems meeting all requirements of National Fire Protection Association #13, *Installation of Sprinkler Systems*, 2006 11 edition.~~
- ~~B. With the prior approval of the Office of State Fire Marshal in accordance with the requirements of Title 8 M.R.S.A., Chapter 9 A; Rules Chapters 20 and 26; and the following:~~
 - ~~1. The announcement required by Chapter 20, Section 9 shall be made regardless of capacity.~~
 - ~~2. The special effect display shall be conducted by a licensed Fireworks Technician with appropriate Indoor and/or Flame Effect endorsement.~~
 - ~~3. The event shall be monitored by the Office of State Fire Marshal.~~
 - ~~4. An inspection by the Office of State Fire Marshal shall be completed prior to the commencement of the event with all scenery, effects, and equipment in place.~~

6. ~~Special Pyrotechnic Amusement Events~~

- ~~A. A special pyrotechnic amusement event is an event, including but not limited to such events as a magic show or theatrical performance, which uses no more than 1 ounce of~~

~~flash paper, or small open flame devices such as candles, matches or lighters, or similar devices approved for use at special pyrotechnic amusement events by the Office of State Fire Marshal.~~

- ~~B. An operator of a special pyrotechnic amusement event shall register with the Office of State Fire Marshal and provide a list of scheduled events and their locations. Such registration shall be valid for a period of 1 year. Location and event schedules shall be updated with the Office of State Fire Marshal no less than 10 days prior to any newly scheduled event or location.~~
- ~~C. An operator or manager of a special pyrotechnic amusement event shall obtain licensure as a Fireworks Technician with indoor pyrotechnic endorsement pursuant to Title 8 M.R.S.A. Chapter 9-A or conduct the event under the direct supervision of one holding this license.~~

7. **Announcement required**

At every event with a defined start time, where an assembly occupancy can accommodate 300 occupants or more, the event manager, operator, sponsor, or a designee shall make an audio announcement to all occupants, prior to the commencement of the event, regarding the following:

- A. Location of exits;
- B. Smoking rules and regulations;
- C. Use of open flame devices;
- D. What to do in case of emergency evacuation; and
- E. Location of any first aid stations.

Such events include but are not limited to those held at armories, assembly halls, auditoriums, dance halls, exhibition halls, gymnasiums, special amusement buildings regardless of occupant load, and theaters.

STATUTORY AUTHORITY: 25 M.R.S.A. §2452 and 8 M.R.S.A. §236

EFFECTIVE DATE:

December 22, 1977 - filed September 27, 1978

AMENDED:

October 24, 1982
 September 30, 1985
 September 1, 1988
 September 1, 1991
 September 1, 1994

EFFECTIVE DATE (ELECTRONIC CONVERSION):

May 15, 1996

AMENDED:

January 2, 1999

REPEALED AND REPLACED:

August 7, 2001 - formerly Ch. 29

AMENDED:

March 11, 2003 - filing 2003-67 (*EMERGENCY, expires June 9, 2003*)

September 1, 2003 - filing 2003-302

August 18, 2004 - filing 2004-345

NON-SUBSTANTIVE CORRECTIONS:

September 13, 2004 - corrected section numbering

AMENDED:

September 21, 2004 - filing 2004-409, section 1.B reinserted

September 3, 2007 – filing 2007-371

July 27, 2011 – filing 2011-250