

31-4.8.2 The means of egress in any area undergoing construction, repair, or improvements shall be inspected daily for meeting the requirements of 31-1.2.1 and shall also meet the requirements of NFPA 241, *Standard for Safeguarding Construction, Alteration, and Demolition Operations*.

SECTION 31-5 DETENTION AND CORRECTIONAL OCCUPANCIES

31-5.1 Attendants, Evacuation Plan, Fire Exit Drills.

31-5.1.1 Detention and correctional facilities or those portions of facilities having such occupancy shall be provided with 24-hour staffing. Staff shall be within three floors or 300 ft (91 m) horizontal distance of the access door of each resident housing area.

In addition, for Use Conditions III, IV, and V, the arrangement shall be such that the staff involved starts release of locks necessary for emergency evacuation or rescue and initiates other necessary emergency actions within two minutes of alarm.

31-5.1.2* Provisions shall be made so that residents in Use Conditions III, IV, and V shall be able to notify staff of an emergency.

31-5.1.3* The administration of every detention or correctional facility shall have in effect, and provide to all supervisory personnel, written copies of a plan for the protection of all persons in the event of fire and for their evacuation to areas of refuge and for evacuation from the building when necessary. All employees shall be instructed and drilled with respect to their duties under the plan. The plan shall be coordinated with and reviewed by the fire department legally committed to serve the facility.

31-5.1.4 Employees of detention and correctional occupancies shall be instructed in the proper use of portable fire extinguishers and other manual fire suppression equipment. With respect to new staff, such training shall be provided promptly upon commencement of duty. With respect to existing staff, refresher training shall be provided at a minimum annually.

31-5.2 Books, clothing, and other combustible personal property allowed in sleeping rooms shall be stored in closable metal lockers or a fire-resistant container.

31-5.3 The number of heat-producing appliances, such as toasters and hot plates, and the overall use of electrical power within a sleeping room shall be controlled by facility administration.

31-5.4* Furnishings, Bedding, and Decorations.

31-5.4.1 Draperies and curtains, including privacy curtains, in detention and correctional occupancies shall be in accordance with the provisions of 31-1.4.1.

31-5.4.2 Newly introduced upholstered furniture within detention and correctional occupancies shall be tested in accordance with the provisions of 31-1.4.2(b) and 31-1.4.3.

A **31-5.4.3** Newly introduced mattresses within detention and correctional occupancies shall be tested in accordance with the provisions of 31-1.4.2(c) and 31-1.4.4.

31-5.4.4 Combustible decorations shall be prohibited in any detention or correctional occupancy unless flame-retardant.

31-5.4.5 Wastebaskets and other waste containers shall be of noncombustible or other approved materials. Waste containers with a capacity greater than 20 gal (76 L) shall be provided with a noncombustible lid or lid of other approved material.

31-5.5 Keys. All keys necessary for unlocking doors installed in means of egress shall be individually identified by both touch and sight.

31-5.6 Portable Space Heating Devices. Portable space heating devices shall be prohibited.

SECTION 31-6 RESIDENTIAL OCCUPANCIES

31-6.1 Hotel Emergency Organization.

31-6.1.1* Employees of hotels shall be instructed and drilled in the duties they are to perform in the event of fire, panic, or other emergency.

31-6.1.2* Drills of the emergency organization shall be held at quarterly intervals, covering such points as the operation and maintenance of the available first aid fire appliances, the testing of devices to alert guests, and a study of instructions for emergency duties.

31-6.2 Emergency Duties. Upon discovery of a fire, employees shall:

- (a) Activate the facility fire protection signaling system, if provided, and
- (b) Notify the public fire department, and
- (c) Take other action as previously instructed.

31-6.3 Dormitories.

31-6.3.1 Drills. Fire exit drills shall be regularly conducted in accordance with 31-1.5.

31-6.4 Emergency Instructions for Residents or Guests.

31-6.4.1* A floor diagram reflecting the actual floor arrangement, exit locations, and room identification shall be posted in a location and manner acceptable to the authority having jurisdiction on or immediately adjacent to every guest room door in hotels and in every resident room in dormitories.

31-6.4.2* Fire safety information shall be provided to allow guests to decide either to evacuate to the outside, evacuate to an area of refuge, remain in place, or any combination of the three.

31-6.5 Emergency Instructions for Residents of Apartment Buildings. Emergency instructions shall be provided to each living unit on a yearly basis indicating the location of alarms, egress paths, and actions to be taken, both in response to a fire in the living unit and in response to the sounding of the alarm system.

31-6.6* Furnishings and Decorations. New draperies, curtains, and other similar loosely hanging furnishings and decorations in hotels and dormitories shall be in accordance with the provisions of 31-1.4.1.

31-6.7 Unvented fuel-fired heaters shall not be used in residential occupancies.

Exception: Listed and approved unvented fuel-fired heaters in one- and two-family dwellings.

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NFPA 701, *Standard Methods of Fire Tests for Flame-Resistant Textiles and Films*.

Exception: For materials that show excessive melting or shrinkage or ongoing combustion at the junction of the specimen and its holder in the small-scale test, the large-scale test shall be considered applicable in accordance with the test selection provisions of NFPA 701, *Standard Methods of Fire Tests for Flame-Resistant Textiles and Films*.

31-1.4.2* Where required by the applicable provisions of this chapter, upholstered furniture and mattresses shall be resistant to a cigarette (i.e., smoldering) ignition in accordance with the following:

(a) Where required by the applicable provisions of this chapter, the components of the upholstered furniture shall meet the requirements for Class I where tested in accordance with NFPA 260, *Standard Methods of Tests and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture*.

Exception: Upholstered furniture in rooms or spaces protected by an approved, automatic sprinkler system.

(b) Where required by the applicable provisions of this chapter, mocked-up composites of the upholstered furniture shall have a char length not exceeding 1.5 in. (3.8 cm) where tested in accordance with NFPA 261, *Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes*.

Exception: Upholstered furniture in rooms or spaces protected by an approved, automatic sprinkler system.

A → (c) Where required by the applicable provisions of this chapter, mattresses shall have a char length not exceeding 2 in. (5.1 cm) where tested in accordance with Part 1632 of the *Code of Federal Regulations 16*.

Exception: Mattresses in rooms or spaces protected by an approved, automatic sprinkler system.

31-1.4.3* Where required by the applicable provisions of this chapter, upholstered furniture shall have limited rates of heat release where tested in accordance with ASTM E1537, *Standard Method for Fire Testing of Real Scale Upholstered Furniture Items*, as follows:

(a) The peak rate of heat release for the single upholstered furniture item shall not exceed 250 kW.

Exception to (a): Upholstered furniture in rooms or spaces in facilities or buildings protected throughout by an approved, automatic sprinkler system in accordance with Section 7-7.

(b) The total energy released by the single upholstered furniture item during the first 5 minutes of the test shall not exceed 40 MJ.

Exception to (b): Upholstered furniture in rooms or spaces protected by an approved, automatic sprinkler system.

A → **31-1.4.4*** Where required by the applicable provisions of this chapter, mattresses shall have limited rates of heat release where tested in accordance with California Technical Bulletin

129, *Flammability Test Procedure for Mattresses for Use in Public Buildings*, or ASTM E1590, *Standard Method for Fire Testing of Real Scale Mattresses*, as follows:

(a) The peak rate of heat release for the mattress shall not exceed 250 kW.

Exception to (a): Mattresses in rooms or spaces protected by an approved, automatic sprinkler system.

(b) The total energy released by the mattress during the first 5 minutes of the test shall not exceed 40 MJ.

Exception to (b): Mattresses in rooms or spaces protected by an approved, automatic sprinkler system.

31-1.4.5* Furnishings or decorations of an explosive or highly flammable character shall not be used.

31-1.4.6 Fire retardant coatings shall be maintained to retain the effectiveness of the treatment under service conditions encountered in actual use.

31-1.5* Fire Exit Drills.

31-1.5.1 Fire exit drills conforming to the provisions of this chapter shall be regularly conducted in occupancies where specified by the provisions of this chapter, or by appropriate action of the authority having jurisdiction. Drills shall be designed in cooperation with the local authorities.

31-1.5.2 Fire exit drills, where required by the authority having jurisdiction, shall be held with sufficient frequency to familiarize all occupants with the drill procedure and to have the conduct of the drill a matter of established routine.

31-1.5.3 Responsibility for the planning and conduct of drills shall be assigned only to competent persons qualified to exercise leadership.

31-1.5.4 In the conduct of drills, emphasis shall be placed on orderly evacuation under proper discipline rather than on speed.

31-1.5.5* Drills shall include suitable procedures to ensure that all persons in the building or all persons subject to the drill actually participate.

31-1.5.6* Drills shall be held at unexpected times and under varying conditions to simulate the unusual conditions that occur in the case of fire.

31-1.6 Flammable Liquids and Gases.

31-1.6.1 The storage and handling of flammable liquids or gases shall be in accordance with the applicable standards listed below:

(a) NFPA 30, *Flammable and Combustible Liquids Code*.

(b) NFPA 54, *National Fuel Gas Code*.

(c) NFPA 58, *Standard for the Storage and Handling of Liquefied Petroleum Gases*.

31-1.6.2* No storage or handling of flammable liquids or gases shall be permitted in any location where it would jeopardize egress from the structure.

Exception: As permitted by 31-1.6.1.

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