

CHAPTER 201
GENERAL FIRE SAFETY REQUIREMENTS

Chapter rescission date pursuant to Iowa Code section 17A.7: 1/1/28

661—201.1(100) Scope. The provisions of this chapter apply to all buildings, structures and facilities that are subject to the jurisdiction of the state fire marshal unless the building, structure, or facility is subject to the provisions of 661—Chapter 202, 661—Chapter 205, 661—Chapter 221, or 661—Chapter 231.

[ARC 8307B, IAB 11/18/09, effective 1/1/10]

661—201.2(100) General provisions. The following publications or indicated portions thereof are hereby adopted by reference as general fire safety requirements and shall apply to all occupancies other than those to which provisions specific to an occupancy explicitly exclude these provisions or any individual provision contained therein. Additionally, refer to rule 661—301.8(103A).

201.2(1) International Fire Code, 2015 edition, published by the International Code Council, 1500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001, with the following amendments:

a. Delete section 103 and sections contained therein, section 104 and sections contained therein, section 105 and sections contained therein, section 106 and sections contained therein, section 107 and sections contained therein, section 108 and sections contained therein, section 109 and sections contained therein, section 110 and sections contained therein, section 111 and sections contained therein, section 112, and section 113 and sections contained therein.

b. Delete section 301.2.

c. Delete section 307.2.

d. Delete section 307.3 and insert in lieu thereof the following new section:

307.3 Extinguishment Authority. The state fire marshal or an employee of the fire marshal division authorized to do so by the fire marshal, or local fire chief or member of the local fire department authorized to do so by the fire chief, is authorized to order the extinguishment by the permit holder, another person responsible or the fire department of open burning that creates or adds to a hazardous or objectionable situation.

e. Delete section 308.1.4 and insert in lieu thereof the following new section:

308.1.4 Open Flame Cooking Devices. Charcoal burners and ash- or coal-producing devices shall not be operated on combustible balconies or within 10 feet of combustible construction.

Exceptions:

1. One- and two-family dwellings.

2. LP-gas burners connected to one (1) 20-pound LP-gas container.

3. Where buildings, balconies and decks are protected by an automatic sprinkler system.

f. Delete section 315.3.3 and insert in lieu thereof the following new section:

315.3.3 Equipment Rooms. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms or in fire command centers as specified in Section 508.1.5.

Exception: In sprinklered equipment rooms that have sufficient space to allow a minimum of 10 feet between all combustible storage and the heating, mechanical or electrical equipment in the room.

g. Delete section 405.2 and table 405.2 and insert in lieu thereof the following new section and new table:

405.2 Frequency. Required emergency evacuation drills shall be held at the intervals specified in Table 405.2 or more frequently where necessary to familiarize all occupants with the drill procedure.

TABLE 405.2

FIRE AND EVACUATION DRILL FREQUENCY AND PARTICIPATION

GROUP OR OCCUPANCY	FREQUENCY	PARTICIPATION
Group A	Quarterly	Employees
Group B ^(c)	Annually	Employees
Group E	See ^(a) below	All occupants

Group I	Quarterly on each shift	Employees
Group I-1 ^(b) and Group R-4	Quarterly	All occupants
Group R-1	Quarterly on each shift	Employees
Group R-2 ^(d)	Four annually	All occupants
High-rise	Annually	Employees

Footnotes:

(a) Fire and severe weather drills shall be conducted in accordance with Iowa Code chapter 100. In severe climates, the fire code official shall have the authority to modify the emergency evacuation drill frequency.

(b) Fire and evacuation drills in assisted living facilities shall include complete evacuation of the premises in accordance with Section 403.10.3.6. Drills shall be conducted not less than six times per year on a bimonthly basis, with not less than two drills conducted during the night when residents could reasonably be expected to be sleeping. The drills shall be permitted to be announced in advance to the residents. Where occupants receive habilitation or rehabilitation training, fire prevention and fire safety practices shall be included as part of the training program.

(c) Group B buildings that have an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.

(d) Applicable to Group R-2 college and university buildings in accordance with Section 408.3.

h. Delete section 807.5.2.1 and insert in lieu thereof the following new section:

807.5.2.1 Storage in corridors and lobbies. Clothing and personal effects shall not be stored in corridors and lobbies.

Exceptions:

1. Corridors protected by an approved automatic sprinkler system installed in accordance with Section 903.3.1.1.

2. Storage in metal lockers, provided the minimum required egress width is maintained.

i. Delete section 903.2.8 and insert in lieu thereof the following new section:

903.2.8 Group R. An automatic sprinkler system installed in accordance with section 903.3 shall be provided throughout all buildings with a Group R fire area.

Exception: Cabin buildings that are located in remote areas without a sufficient municipal water supply for design of a fire sprinkler system and that meet all of the following:

1. Not more than one story.

2. Not more than 750 square feet in floor area.

3. Fuel-fired heating equipment and other fuel-fired appliances are separated from sleeping areas by a one-hour fire-rated assembly.

4. Provided with fire alarm and smoke alarm systems as required by Section 907 for R-1 occupancies.

5. Basements are not allowed.

6. Maintain a fire separation of 20 feet from any other building or structure.

7. Comply with all applicable requirements of this Code.

j. Delete section 907.2.3 and insert in lieu thereof the following new section:

907.2.3 Group E. In the absence of a complete automatic sprinkler system, a complete automatic detection system utilizing an emergency voice/alarm communication system shall be installed throughout the entire Group E occupancy. A Group E occupancy with a complete automatic sprinkler system shall be provided with a fire alarm system utilizing an emergency voice/alarm communication system in compliance with Section 907.5.2.2 and installed in accordance with Section 907.6. As a minimum, smoke detection shall be provided in corridors at a maximum spacing of 30 feet on center, and heat or smoke detection shall be provided in any hazardous or nonoccupied areas in all new or existing Group E occupancies.

Exceptions:

1. Group E occupancies with an occupant load of less than 50.

2. Manual fire alarm boxes are not required in Group E occupancies where all of the following apply:

2.1. Interior corridors are protected by smoke detectors with alarm verification.

2.2. Auditoriums, cafeterias, gymnasiums and the like are protected by heat detectors or other approved detection devices.

2.3. Shops and laboratories involving dusts or vapors are protected by heat detectors or other approved detection devices.

2.4. Off-premises monitoring is provided.

2.5. The capability to activate the evacuation signal from a central point is provided.

2.6. In buildings where normally occupied spaces are provided with a two-way communication system between such spaces and a constantly attended receiving station from which a general evacuation alarm can be sounded, except in locations specifically designated by the fire code official.

3. Manual fire alarm boxes shall not be required in Group E occupancies where the building is equipped throughout with an approved automatic sprinkler system, the notification appliances will activate on sprinkler water flow, and manual activation is provided from a normally occupied location.

4. Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that activation of the fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.

k. Add the following new section 1003.8:

1003.8 Frost protection. Exterior landings at doors shall be provided with frost protection.

l. Add the following new section 1028.6:

1028.6 Exit discharge pathways. Exit discharge pathways shall be paved from all required exits of a building to a public way or parking lot.

m. Delete section 1029.1.1 and insert in lieu thereof the following new section:

1029.1.1 Bleachers, grandstands, and folding and telescopic seating that are not building elements shall comply with ICC-300, Standard for Bleachers, Folding and Telescopic Seating, and Grandstands, 2012 edition, with the following amendments to ICC-300:

(1) Delete section 105.2 and insert in lieu thereof the following new section:

105.2 Yearly inspection required. The owner shall cause all bleachers and folding and telescopic seating installed on or after December 1, 2011, to be inspected at least once a year in order to verify that the structure is maintained in compliance with the provisions of this standard. All folding and telescopic seating shall also be inspected to evaluate compliance with the manufacturer's installation and operational instructions during the opening and closing of such seating. Any inspection conducted in compliance with this section may be conducted by any knowledgeable person including, but not limited to, a person who has been instructed by the manufacturer or installer as to procedures and standards for inspections of the structure being inspected and including, but not limited to, the owner of the structure or an employee of the owner of the structure. There are no further restrictions on the identity or employment of the person conducting the inspection unless otherwise provided by law. The owner shall maintain documentation of the required annual inspections, which shall show the date and name of the person conducting the inspection and shall be initialed by the person conducting the inspection.

(2) Delete section 501.2 and insert in lieu thereof the following new section:

501.2 Inspections. All tiered seating that was installed prior to December 1, 2011, shall be inspected at least once a year. The required inspection may be conducted by any knowledgeable person including, but not limited to, a person who has been instructed by the manufacturer or installer as to procedures and standards for inspections of the structure being inspected and including, but not limited to, the owner of the structure or an employee of the owner of the structure. There are no further restrictions on the identity or employment of the person conducting the inspection unless otherwise provided by law. All folding and telescopic seating shall be inspected to evaluate compliance with the manufacturer's installation and operational instructions and shall be inspected during the opening and closing of such seating. The owner shall maintain documentation of the required annual inspections, which shall show the date and name of the person conducting the inspection and shall be initialed by the person conducting the inspection.

n. Delete section 1103.7.1 and insert in lieu thereof the following new section:

1103.7.1 Existing Group E occupancies shall be provided with a fire alarm system utilizing an emergency voice/alarm communication system in compliance with Section 907.5.2.2 and installed in

accordance with Section 907.6. As a minimum, smoke detection shall be provided in corridors at a maximum spacing of 30 feet on center, and heat or smoke detection shall be provided in any hazardous or nonoccupied areas.

Exceptions:

1. A building with a maximum area of 1,000 square feet that contains a single classroom and is located no closer than 50 feet from another building.
2. Group E occupancy with an occupant load of less than 50.
3. Emergency voice/alarm communication systems meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with occupant loads of 100 or less, provided that the activation of the fire alarm system initiates an approved occupant notification signal in accordance with Section 907.5.

o. Delete section 1103.8 and insert in lieu thereof the following new section:

1103.8 Single- and multiple-station smoke alarms. Single- and multiple-station smoke alarms shall be installed in existing Group I-1 and R occupancies in accordance with Sections 1103.8.1 through 1103.8.4.

p. Add the following new section 1103.8.4:

1103.8.4 Smoke alarm service life. Single-station battery-operated smoke alarms shall be replaced in accordance with the manufacturer's instructions.

q. Amend any reference to any section within chapter 23 to read as a reference to "Chapter 23."

r. Delete chapter 23 and insert in lieu thereof the following new chapter:

CHAPTER 23

MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

SECTION 2301

GENERAL

2301.1 Motor fuel-dispensing facilities and repair garages shall comply with the applicable provisions of 661—Chapter 221.

s. Amend any reference to any section within chapter 57 to read as a reference to "Chapter 57."

t. Delete chapter 57 and insert in lieu thereof the following new chapter:

CHAPTER 57

FLAMMABLE AND COMBUSTIBLE LIQUIDS

SECTION 5701

GENERAL

5701.1 Transportation, storage, handling, and use of flammable and combustible liquids shall comply with the applicable provisions of 661—Chapter 221.

u. Amend any reference to any section within chapter 61 to read as a reference to "Chapter 61."

v. Delete chapter 61 and insert in lieu thereof the following new chapter:

CHAPTER 61

LIQUEFIED PETROLEUM GASES

SECTION 6101

GENERAL

6101.1 Transportation, storage, handling, and use of liquefied petroleum gases shall comply with the applicable provisions of 661—Chapter 226.

w. Any reference to NFPA 10 is amended to read as follows:

NFPA 10 with the following amendment:

Delete sections 7.1.2.1, 7.1.2.2, and 7.1.2.3 and insert in lieu thereof the following new sections:

7.1.2.1 A trained person who has undergone the instructions necessary to reliably perform maintenance and has the manufacturer's service manual shall service the fire extinguishers not more than one year apart, as outlined in Section 7.3.

7.1.2.2* Maintenance, servicing, and recharging shall be performed by trained persons who have available the appropriate servicing manual(s), the proper types of tools, recharge materials, lubricants, and manufacturer's recommended replacement parts or parts specifically listed for use in the fire extinguisher.

NOTE: Requirements in NFPA 10 for certification of personnel who maintain portable fire extinguishers are removed. These personnel must still be trained and have available service manuals.

x. Adopt Appendices B, C, and D.

y. Amend references in chapter 80 as follows:

(1) Delete all references to the “International Plumbing Code” and insert in lieu thereof “state plumbing code.”

(2) Delete all references to the “International Fuel Gas Code” and insert in lieu thereof “rule 661—301.9(103A).”

(3) Delete all references to the “International Mechanical Code” and insert in lieu thereof “state mechanical code.”

(4) Delete all references to the “International Building Code” and insert in lieu thereof “rule 661—301.3(103A).”

(5) Delete all references to the “International Residential Code” and insert in lieu thereof “rule 661—301.8(103A).”

201.2(2) The following chapters and sections of the International Building Code, 2015 edition, published by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001, as amended by rule 661—301.3(103A).

a. Chapter 2.

b. Chapter 3.

c. Chapter 4.

d. Chapter 5.

e. Chapter 6.

f. Chapter 7.

g. Sections 804 and 805.

[ARC 8307B, IAB 11/18/09, effective 1/1/10; ARC 9769B, IAB 10/5/11, effective 12/1/11; ARC 2494C, IAB 4/13/16, effective 5/18/16]

661—201.3(100) Electrical installations. The provisions of the state electrical code, as adopted and amended in 661—Chapter 504, are hereby adopted by reference as the requirements for electrical installations.

This rule is intended to implement Iowa Code chapter 100.

[ARC 9827B, IAB 11/2/11, effective 1/1/12; ARC 2494C, IAB 4/13/16, effective 5/18/16]

661—201.4(100) Existing buildings or structures. Additions or alterations to any building or structure shall comply with the requirements of this chapter for new construction. Additions or alterations shall not be made to an existing building or structure that will cause the existing building or structure to be in violation of any provisions of 661—Chapter 201. An existing building plus additions shall comply with the height and area provisions of Chapter 5 of the International Building Code, 2015 edition. Portions of the structure not altered and not affected by the alteration are not required to comply with the requirements established in 661—Chapter 201 for a new structure.

[ARC 8307B, IAB 11/18/09, effective 1/1/10; ARC 2494C, IAB 4/13/16, effective 5/18/16]

661—201.5(100) Recognition of local fire ordinances and enforcement. With the exception of a health care facility subject to the requirements of 661—Chapter 205, a building, structure, or facility shall be deemed to be in compliance with the requirements established in rules of the fire marshal if all of the following conditions are met:

1. The building, structure, or facility is in a local jurisdiction which has adopted a local fire ordinance which adopts by reference any edition of the International Fire Code, published by the International Code Council, 1500 New Jersey Avenue NW, 6th Floor, Washington, D.C. 20001; any edition of NFPA 1, Uniform Fire Code, published by the National Fire Protection Association; or the Uniform Fire Code, 1997 edition, published by the Western Fire Chiefs Association.

2. The local fire ordinance is enforced through a process of review and approval of construction plans for compliance with the local fire ordinance and a process of regular inspections for compliance with the local fire ordinance.

3. The building, structure, or facility is subject to regular fire safety inspections.
4. The local jurisdiction has verified, during its most recent inspection, including any follow-up inspections, that the building, structure, or facility is in compliance with the local fire ordinance.

Notwithstanding any conflicting provisions contained in any code adopted by reference in this chapter or by any local fire ordinance, compliance with the provisions of 661—Chapter 221 is required at any location or facility in which flammable or combustible liquids are stored, handled, or used, other than incidental use.

[ARC 8307B, IAB 11/18/09, effective 1/1/10; ARC 2494C, IAB 4/13/16, effective 5/18/16]

These rules are intended to implement Iowa Code chapter 100.

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[Filed 10/29/08, Notice 9/24/08—published 11/19/08, effective 1/1/09]

[Filed ARC 8307B (Notice ARC 8156B, IAB 9/23/09), IAB 11/18/09, effective 1/1/10]

[Filed ARC 9769B (Notice ARC 9561B, IAB 6/15/11), IAB 10/5/11, effective 12/1/11]

[Filed ARC 9827B (Notice ARC 9628B, IAB 7/27/11), IAB 11/2/11, effective 1/1/12]

[Filed ARC 2494C (Notice ARC 2266C, IAB 11/25/15), IAB 4/13/16, effective 5/18/16]