

CHAPTER 201
GENERAL FIRE SAFETY REQUIREMENTS

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.

201.2(1) International Fire Code, 2009 edition, published by the International Code Council, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041, with the following amendments:

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.

Delete section 301.2.

Delete section 307.2.

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.

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.

Delete section 315.2.3 and insert in lieu thereof the following new section:

315.2.3 Equipment Rooms. Combustible material shall not be stored in boiler rooms, mechanical rooms, or electrical equipment rooms.

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.

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 ^(b) and Group R-4 (assisted living facilities)	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) The frequency shall be allowed to be modified in accordance with Section 408.3.2. Fire and severe weather drills shall be conducted in accordance with Iowa Code chapter 100.

(b) Fire and evacuation drills in assisted living facilities shall include complete evacuation of the premises in accordance with Section 408.10.5. 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.

Delete section 609.1 and insert in lieu thereof the following new section:

609.1 General. Commercial kitchen exhaust hoods shall comply with the requirements of National Fire Protection Association (NFPA) 96, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2004 edition.

Delete section 807.4.3.1 and insert in lieu thereof the following new section:

807.4.3.1 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.

Delete section 906.1 and insert in lieu thereof the following new section:

906.1 Where Required. Portable fire extinguishers shall be installed in the following locations:

1. In new and existing Group A, B, E, F, H, I, M, R-1, R-2, R-4 and S occupancies.

2. Within 30 feet (9144 mm) of commercial cooking equipment.

3. In areas where flammable or combustible liquids are stored, used or dispensed.

4. On each floor of structures under construction, except Group R-3 occupancies, in accordance with Section 1415.1.

5. Where required by the sections indicated in Table 906.1.

6. Special-hazard areas, including but not limited to laboratories, computer rooms and generator rooms.

Add the following new paragraph to section 907.2.2:

4. The Group B fire area that contains an educational occupancy for students above the twelfth grade with an occupant load of greater than 50 persons.

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 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 with a minimum of corridor smoke detection, at a maximum spacing of 30 feet on center, and heat or smoke detection in any hazardous or nonoccupied areas. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

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.

Add the following new section 1003.8:

1003.8 Location of Preschool through Second Grade Students. In Group E occupancies, rooms normally occupied by preschool, kindergarten or first grade students shall not be located above or below the level of exit discharge. Rooms normally occupied by second grade students shall not be located more than one story above the level of exit discharge.

Amend any reference to any section within chapter 22 to read as a reference to “Chapter 22.”

Delete chapter 22 and insert in lieu thereof the following new chapter:

CHAPTER 22

MOTOR FUEL-DISPENSING FACILITIES AND REPAIR GARAGES

SECTION 2201

GENERAL

2201.1 Motor fuel-dispensing facilities and repair garages shall comply with the applicable provisions of 661—Chapter 221.

Amend any reference to any section within chapter 34 to read as a reference to “Chapter 34.”

Delete chapter 34 and insert in lieu thereof the following new chapter:

CHAPTER 34

FLAMMABLE AND COMBUSTIBLE LIQUIDS

SECTION 3401

GENERAL

3401.1 Transportation, storage, handling, and use of flammable and combustible liquids shall comply with the applicable provisions of 661—Chapter 221.

Amend any reference to any section within chapter 38 to read as a reference to “Chapter 38.”

Delete chapter 38 and insert in lieu thereof the following new chapter:

CHAPTER 38

LIQUEFIED PETROLEUM GASES

SECTION 3801

GENERAL

3801.1 Transportation, storage, handling, and use of liquefied petroleum gases shall comply with the applicable provisions of 661—Chapter 226.

Delete section 4603.6.1 and insert in lieu thereof the following new section:

4603.6.1 Existing Group E occupancies shall be provided with a fire alarm system with a minimum of corridor smoke detection, at a maximum spacing of 30 feet on center, and heat or smoke detection in any hazardous or nonoccupied areas. Where smoke or heat detectors are installed, such detectors shall be connected to the building fire alarm system.

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.

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.

Adopt Appendices B, C, and D.

201.2(2) The following Chapters and Sections of the International Building Code, 2009 edition, published by the International Code Council, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041.

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]

661—201.3(100) Electrical installations. Electrical installations shall comply with the provisions of NFPA 70, National Electrical Code, 2008 edition, with the following amendment:

Delete section 210.8, paragraph (A) and insert in lieu thereof the following new paragraph:

(A) Dwelling Units. All 125-volt, single-phase, 15- and 20-ampere receptacles installed in the locations specified in (1) through (8) shall have ground-fault circuit-interrupter protection for personnel.

(1) Bathrooms.

(2) Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No. 1 to (2): Receptacles that are not readily accessible.

Exception No. 2 to (2): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).

(3) Outdoors.

Exception to (3): Receptacles that are not readily accessible and are supplied by a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with 426.28.

(4) Crawl spaces—at or below grade level.

(5) Unfinished basements—for purposes of this section, unfinished basements are defined as portions or areas of the basement not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No. 1 to (5): Receptacles that are not readily accessible.

Exception No. 2 to (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Exception No. 3 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have ground-fault circuit-interrupter protection.

Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

(6) Kitchens—where the receptacles are installed to serve the countertop surfaces.

(7) Laundry, utility, and wet bar sinks—where the receptacles are installed within 1.8 m (6 ft) of the outside edge of the sink.

(8) Boathouses.

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, 2009 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]

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, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041; 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]

These rules are intended to implement Iowa Code chapter 100.

[Filed 11/2/06, Notice 9/13/06—published 11/22/06, effective 1/1/07]

[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]