

4101:1-4-01 Special detailed requirements based on occupancy and use.

Chapter 4 of the International Building Code, 2021 edition, as incorporated by reference and modified in Section 101.1.1 of this code, is further modified as follows:

(A) Replace section 402.3 with the following:

402.3 Lease plan. Each *owner* of a *covered mall building* or of an *open mall building* is to provide both the building and fire departments with a lease plan, to the extent known, showing the location of each occupancy and its *exits* before the certificate of occupancy has been issued. As a condition of the certificate of occupancy, such plans are to be kept current by the *owner*. Modifications or *change of occupancy* or use from that shown on the lease plan are not to be made without prior approval of the *building official*.

(B) Replace section 403.5.5 with the following:

403.5.5 Luminous egress path markings. When provided, luminous egress path markings are to be installed in accordance with Section 1025.

(C) Modify the first exception in section 405.1 as follows:

1. Deleted.

(D) Modify the exception in section 406.6.2 as follows:

Exception: Deleted.

(E) Replace section 406.7 with the following:

406.7 Motor fuel-dispensing facilities. *Buildings* and *canopies* housing motor fuel-dispensing operations are to comply with this code (Sections 406.2 and 406.7) and chapter 5 of the mechanical code. The installation of the fuel tanks, the *dispensing* equipment, and the operational requirements at a motor fuel-dispensing facility are to be in accordance with chapter 23 of the International Fire Code as enforced by the fire official.

(F) Replace section 407.5 with the following:

407.5 Smoke barriers. *Smoke barriers* are to be provided to subdivide every *story* used by inpatients for treatment or sleeping, regardless of occupant load, into not fewer than two *smoke compartments*. *Smoke barriers* are to be provided to subdivide other *stories* containing a health care occupancy with an *occupant load* of 50 or more persons, regardless of use, into not fewer than two *smoke compartments*.

(G) Modify section 411.2 as follows:

Change the word “Exception” to “Exceptions”, number the first exception as exception 1, and add a new exception 2 which reads:

2. Automatic fire sprinklers are not required where the total floor area of a temporary *special amusement area* in an *existing building* is less than 5000 square feet (93 m²), the travel distance from any point to an *exit* is less than 50 feet (15,240 mm), and where, in the opinion of the *building official*, additional means have been provided to ensure an equivalent level of safety for all occupants during the hours that the *special amusement area* is operated and occupied. Such additional means may include, but not be limited to: fire watches; reduced *occupant loads*; additional *means of egress*; additional detection; and portable fire extinguishers.

(H) Replace section 411.5 with the following:

411.5 Puzzle room exiting. Deleted.

(I) Replace section 414.5 with the following:

414.5 Inside storage, dispensing and use. Buildings or structures used for the inside storage, *dispensing* and use of *hazardous materials* are to be provided with features as required in Sections 414.2, 414.3, 414.5.1 through 414.5.3 of this code, Section 502 of the mechanical code, and chapter 50 of the International Fire Code. These building features are to be enforced by the *building official*. The design, installation, *dispensing*, use, and storage of *hazardous materials* within a building is regulated by the International Fire Code as enforced by the fire official. The *owner* or owner’s representative is required to notify the *building official* in accordance with Sections 106.1.1 (item #16), 106.1.2 (item #7), and 414.1.3.

Exception: The design, installation, and storage of *hazardous materials*, flammable or combustible liquids or gases and the associated piping connected to and supplying *building service equipment* or connected to and supplying emergency or standby generators that serve *building service equipment* are to be enforced by the *building official*.

(J) Replace section 414.6 with the following:

414.6 Outdoor storage, dispensing and use. The outdoor storage, *dispensing* and use of *hazardous materials*, flammable or combustible liquids or gases supplying and piped to *building service equipment* are to be enforced by the *building official*. The outdoor storage, *dispensing*, and use

of all other *hazardous materials* is regulated by the International Fire Code as enforced by the fire official.

(K) Modify section 415.6.4 to add a new exception that reads as follows:

Exception: All buildings used in the manufacturing, storage, or sale of *fireworks* are to be located in accordance with the fire code.

(L) Modify the exception to section 415.6.4.1 to read as follows:

Exception: Deleted.

(M) Replace section 415.9.1 with the following:

415.9.1 Flammable and combustible liquids. Buildings of Group H-2 and H-3 occupancies used for the storage, handling, processing and transporting of flammable and combustible liquids are to be protected in accordance with Sections 415.9.1.1 through 415.9.1.9, the mechanical code and the International Fire Code. The storage, handling, and processing of the flammable and combustible liquids are to be in accordance with the International Fire Code and as enforced by the fire official.

Exception: The design, installation, registration, and inspection of regulated underground storage tanks are to be in accordance with the fire code and rules adopted by the state fire marshal and as enforced by the fire official, in accordance with sections 3737.87 to 3737.89 of the Revised Code.

(N) Replace section 415.10.1 with the following:

415.10.1 Flammable and combustible liquids. Buildings of Group H-3 occupancies used for the storage, handling, processing and transporting of flammable and combustible liquids are to be protected in accordance with Section 415.9.1.

(O) Add new section 415.10.5 to read as follows:

415.10.5 Licensed fireworks facilities. In addition to other applicable provisions of this code, all buildings and structures where *fireworks* are manufactured, processed, packaged, stored, displayed, or sold are to comply with the *fire code* chapter 56. In the event of conflicts between this code and the *fire code*, the requirements of the *fire code* will prevail.

(P) Replace section 415.11.7 with the following:

415.11.7 Piping and tubing. Hazardous production materials piping and tubing are to comply with this section and the applicable ASME code, as determined by the *registered design professional*.

In accordance with section 4104.42 of the Revised Code, the *owner* is responsible for ensuring compliance with the ASME codes. The types and quantities of *hazardous materials* proposed to be used in the facility are to be identified on the *construction documents* to the extent necessary to enable the *building official* to determine compliance with this code and the International Fire Code. The *building official* is not authorized to request or review design calculations, material specifications or *construction documents* for the piping system or to ascertain compliance with the applicable ASME code.

(Q) Modify section 423.4 as follows:

Change the phrase “rescue, ambulance” to “emergency medical service”

(R) Add new section 423.4.1 to read as follows:

423.4.1 Required occupant capacity. The minimum required occupant capacity of storm shelters serving 911 call stations, emergency operation centers and fire, emergency medical service, and police stations is the design occupant load of only the *sleeping rooms*, meeting rooms, and offices.

(S) Replace section 423.5 and its subsections to read as follows:

423.5 Group E occupancies. Deleted.

423.5.1 Required occupant capacity. Deleted.

423.5.2 Location. Deleted.

(T) Replace section 424.5 with the following and keep section 424.5.1 as published:

424.5 Area limits. Deleted.

(U) Replace section 426.1 with the following:

426.1 General. The provisions of Sections 426.1.1 through 426.1.7 applies to buildings in which materials that produce *combustible dusts* are stored or handled. Buildings that store or handle *combustible dusts* are to comply with the applicable provisions of NFPA 61, NFPA 85, NFPA 120, NFPA 484, NFPA 652, NFPA 654, NFPA 655, NFPA 664 and the International Fire Code.

(V) Add section 429 to read as follows:

429 Modular rooms

429.1 General. *Modular rooms shall comply with this section.*

429.2 Approvals. An *approval* is required for the installation of *modular rooms*.

429.3 Listing. *Modular rooms* shall be listed and labeled in accordance with UL 962.

Exception: Precast concrete construction in accordance with Chapter 17 and 19 of the building code is not required to be listed.

429.4 Location. *Modular rooms* shall not obstruct the means of egress and shall be installed in approved locations.

429.5 Installation. *Modular rooms* are to be installed in accordance with the listing and manufacturer's installation instructions.

429.5.1 Stacking. *Modular rooms* shall not be stacked.

429.6 Size limitations.

429.6.1 Maximum area. No individual *modular room* may have an area greater than 100 sq ft (9.3 m²).

429.6.2 Maximum aggregate area. The aggregate area of multiple *modular rooms* shall not exceed 10 percent of the fire area.

429.7 Occupant Notification system. Where *modular rooms* are installed in areas equipped with an occupant notification system, the audible and visual signals shall provide notification to the occupants within the *modular room* in accordance with Section 907.5.

429.8 Automatic sprinkler system. Where *modular rooms* exceeding 24 ft² (2.2 m²) are installed in areas protected by an automatic sprinkler system, the automatic sprinkler system shall provide protection within the *modular room* in accordance with Section 903.3.

429.9 Modular rooms used for sleeping. *Modular rooms* used for sleeping shall also comply with Sections 429.9.1 through 429.9.3.

429.9.1 Location. *Modular rooms* are not permitted in Group F, H, S, or U occupancy groups.

429.9.2 Number of Modular rooms used for sleeping. The *building official* is authorized to limit the number of *modular rooms* installed in a single fire area.

429.9.3 Smoke detection. In buildings equipped with a fire alarm system, the *modular room* is to be equipped with smoke detectors. In other buildings, the *modular room* is to be equipped with a smoke alarm in accordance with Section 907.2.11.

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