

2012 International Fire Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st PRINTING (8-30-12)

CHAPTER 2 - DEFINITIONS

[B] CARE SUITE. A group of treatment rooms, care recipient sleeping rooms and their associated support rooms or spaces and circulation space within Group I-2 occupancies where staff are in attendance for supervision of all care recipients within the suite, and the suite is in compliance with the requirements of Section ~~1014.2.2 through 1014.2.6~~ 407.4.3 of the *International Building Code*.

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CHAPTER 5 FIRE SERVICE FEATURES

510.6.1 Testing and proof of compliance. The emergency responder radio coverage system shall be inspected and tested annually or whenever structural changes occur including additions or remodels that could materially change the original field performance tests. Testing shall consist of the following:

1. In-building coverage test as described in Section ~~510.5.4~~ 510.5.3.
2. Signal boosters shall be tested to ensure that the gain is the same as it was upon initial installation and acceptance.
3. Backup batteries and power supplies shall be tested under load of a period of one hour to verify that they will properly operate during an actual power outage. If within the 1-hour test period the battery exhibits symptoms of failure, the test shall be extended for additional 1-hour periods until the integrity of the battery can be determined.
4. All other active components shall be checked to verify operation within the manufacturer's specifications.
5. At the conclusion of the testing, a report, which shall verify compliance with Section ~~510.5.4~~ 510.5.3, shall be submitted to the *fire code official*.

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1st PRINTING (8-30-12)

CHAPTER 6 BUILDING SERVICES AND SYSTEMS

603.3.2.4 Installation. Tanks and piping systems shall be installed and separated from other uses in accordance with Section 915 and Chapter 13, both of the *International Mechanical Code*, as applicable.

Exception: Protected above-ground tanks complying with Section ~~5704.2.9.6~~ 5704.2.9.7 shall not be required to be separated from surrounding areas.

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CHAPTER 9 FIRE PROTECTION SYSTEMS

903.3.1 Standards. Sprinkler systems shall be designed and installed in accordance with Section 903.3.1.1, unless otherwise permitted by Sections 903.3.1.2 ~~or~~ and 903.3.1.3 and other chapters of this code, as applicable.

907.2.1 Group A. A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies where the occupant load due to the assembly occupancy is 300 or more. Group A occupancies not separated from one another in accordance with Section ~~707.3.9~~ 707.3.10 of the *International Building Code* shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

Exception: Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.

907.2.6.2 Group I-2. An automatic smoke detection system shall be installed in *corridors* in nursing homes, long-term care facilities, detoxification facilities and spaces permitted to be open to the *corridors* by Section 407.2 of the *International Building Code*. The system shall be activated in accordance with Section ~~907.5~~ 907.4. Hospitals shall be equipped with smoke detection as required in Section 407 of the *International Building Code*.

Exceptions: (1 and 2 – No change)

907.4.2 Manual fire alarm boxes. Where a manual fire alarm system is required by another section of this code, it shall be activated by fire alarm boxes installed in accordance with Sections 907.4.2.1 through ~~907.4.2.5~~ 907.4.2.6.

909.5.2 Opening protection. Openings in *smoke barriers* shall be protected by automatic-closing devices actuated by the required controls for the mechanical smoke control system. Door openings shall be protected by fire door assemblies complying with Section 716.5.3 of the *International Building Code*.

Exceptions:

1. Passive smoke control systems with automatic-closing devices actuated by spot-type smoke detectors *listed* for releasing service installed in accordance with Section ~~907.4~~ 907.3 .

2. through 5. (No change)

TABLE 910.3 REQUIREMENTS FOR DRAFT CURTAINS AND SMOKE AND HEAT VENTS^a

(No changes to body of table)

a. Additional requirements for rack storage heights in excess of those indicated shall be in accordance with Chapter ~~23~~ 32. For solid-piled storage heights in excess of those indicated, an approved engineered design shall be used.

b. through d. (No changes)

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1st PRINTING (Updated June 6, 2011)

CHAPTER 9
FIRE PROTECTION SYSTEMS

901.4.3 Fire areas. Where buildings, or portions thereof, are divided into *fire areas* so as not to exceed the limits established for requiring a *fire protection system* in accordance with this chapter, such *fire areas* shall be separated by *fire barriers* constructed in accordance with Section 707 of the *International Building Code* or *horizontal assemblies* constructed in accordance with Section 711 of the *International Building Code*, or both, having a fire-resistance rating of not less than that determined in accordance with Section ~~707.3.9~~ 707.3.10 of the *International Building Code*.

Insert in Section 910.3:

910.3.1 Design. Smoke and heat vents shall be *listed* and labeled to indicate compliance with UL 793.

910.3.2 Vent operation. Smoke and heat vents shall be capable of being operated by *approved* automatic and manual means. Automatic operation of smoke and heat vents shall conform to the provisions of Sections 910.3.2.1 through 910.3.2.3.

910.3.2.1 Gravity-operated drop-out vents. Automatic smoke and heat vents containing heat-sensitive glazing designed to shrink and drop out of the vent opening when exposed to fire shall fully open within 5 minutes after the vent cavity is exposed to a simulated fire, represented by a time-temperature gradient that reaches an air temperature of 500°F (260°C) within 5 minutes.

910.3.2.2 Sprinklered buildings. Where installed in buildings provided with an *approved automatic sprinkler system*, smoke and heat vents shall be designed to operate automatically.

910.3.2.3 Nonsprinklered buildings. Where installed in buildings not provided with an *approved automatic sprinkler system*, smoke and heat vents shall operate automatically by actuation of a heat-responsive device rated at between 100°F (38°C) and 220°F (104°C) above ambient.

Exception: Gravity-operated drop-out vents complying with Section 910.3.2.1.

910.3.3 Vent dimensions. The effective venting area shall not be less than 16 square feet (1.5 m²) with no dimension less than 4 feet (1219 mm), excluding ribs or gutters having a total width not exceeding 6 inches (152 mm).

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1st PRINTING (Posted: 8-30-12)

CHAPTER 10 MEANS OF EGRESS

1007.5 Platform lifts. Platform (wheelchair) lifts shall not serve as part of an accessible means of egress, except where allowed as part of a required accessible route in Section 1109.7-1109.8, Items 1 through 9. Standby power shall be provided in accordance with Chapter 27 for platform lifts permitted to serve as part of a means of egress.

**Table 1014.3
COMMON PATH OF EGRESS TRAVEL**

Occupancy	Without Sprinkler System (feet)		With Sprinkler System (feet)
	Occupant Load		
	<= 30	> 30	
All others ^{c,1}	75	75	75 ^{a,b}

(Remainder of table unchanged)

**Table 1016.2
EXIT ACCESS TRAVEL DISTANCE ^a**

Occupancy	Without Sprinkler System (feet)	With Sprinkler System (feet)
I-1	Not Permitted	250 ^{e,b}

(Remainder of table unchanged)

1028.12 Seat stability. In a building, room or space used for assembly purposes, the seats shall be securely fastened to the floor.

Exceptions:

1. In a building, room or space used for assembly purposes or portions thereof without ramped or tiered floors for seating and with 200 or fewer seats, the seats shall not be required to be fastened to the floor.
2. In a building, room or space used for assembly purposes or portions thereof with seating at tables and without ramped or tiered floors for seating, the seats shall not be required to be fastened to the floor.
3. through 6. (No change)

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1st PRINTING (Posted: 8-30-12)

CHAPTER 11 CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS

TABLE 1103.1 OCCUPANCY AND USE REQUIREMENTS^a

Page 182: In column one (SECTION) of the last row: ~~1104.4~~ 1104

1103.7 Fire alarm systems. An *approved* fire alarm system shall be installed in existing buildings and structures in accordance with Sections 1103.7.1 through 1103.7.7 and provide occupant notification in accordance with Section ~~907.6~~ 907.5 unless other requirements are provided by other sections of this code.

Exception: Occupancies with an existing, previously *approved* fire alarm system.

1103.7.5.1 Group R-1 hotel and motel manual fire alarm system. A manual fire alarm system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-1 hotels and motels more than three stories or with more than 20 *sleeping units*.

Exceptions: 1 & 2 (No change)

1103.7.5.1.1 Group R-1 hotel and motel automatic smoke detection system. An automatic smoke detection system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-1 hotels and motels throughout all interior *corridors* serving sleeping rooms not equipped with an *approved*, supervised sprinkler system installed in accordance with Section 903.

Exception: (No change)

1103.7.5.2 Group R-1 boarding and rooming houses manual fire alarm system. A manual fire alarm system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-1 boarding and rooming houses.

Exception: (No change)

1103.7.5.2.1 Group R-1 boarding and rooming houses automatic smoke detection system. An automatic smoke detection system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-1 boarding and rooming houses throughout all interior *corridors* serving *sleeping units* not equipped with an *approved*, supervised sprinkler system installed in accordance with Section 903.

Exception: (No change)

1103.7.6 Group R-2. A manual fire alarm system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-2 occupancies more than three stories in height or with more than 16 *dwelling* or *sleeping units*.

Exceptions: 1, 2 and 3 (No change)

1103.7.7 Group R-4. A manual fire alarm system that activates the occupant notification system in accordance with Section ~~907.6~~ 907.5 shall be installed in existing Group R-4 residential care/assisted living facilities in accordance with Section 907.2.10.1.

Exceptions: 1 & 2 (No change)

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1104.1 General. *Means of egress* in existing buildings shall comply with the minimum egress requirements when specified in Table 1103.1 as further enumerated in Sections 1104.2 through ~~1104.23~~, 1104.24 and the building code that applied at the time of construction. Where the provisions of this chapter conflict with the building code that applied at the time of construction, the most restrictive provision shall apply. Existing buildings that were not required to comply with a building code at the time of construction shall comply with the minimum egress requirements when specified in Table 1103.1 as further enumerated in Sections 1104.2 through 1104.24.

1104.23 Stairway floor number signs. Existing *stairs* shall be marked in accordance with Section ~~4022.8~~ 1022.9.

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1st PRINTING (Posted: 8-30-12)

CHAPTER 27 SEMICONDUCTOR FABRICATION FACILITIES

2703.3.3 Liquid storage rooms. Liquid storage rooms shall comply with Chapter ~~34~~ 57 and the *International Building Code*.

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1st and 2nd PRINTING (Posted: 8-30-12)

CHAPTER 50 HAZARDOUS MATERIALS – GENERAL PROVISIONS

TABLE 5003.1.1(3)

MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD IN AN OUTDOOR CONTROL AREA^{a, b, c, d}

In the row for Unstable (reactive), in the column headed **STORAGE – Solid pounds (cubic feet)**, the MAQ for Class 2 should read: ~~2000~~ 200

TABLE 5003.1.1(4)

MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A HEALTH HAZARD IN AN OUTDOOR CONTROL AREA^{a, b, c, f}

In the main column header for **STORAGE**, the 3rd subcolumn header should read: **Gas Cubic feet at NTP (~~gallons pounds~~)**

In the main column header for **USE-CLOSED SYSTEM**, the 3rd subcolumn header should read: **Gas Cubic feet at NTP (~~gallons pounds~~)**

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1st PRINTING (Posted: 8-30-12)

CHAPTER 56 EXPLOSIVES AND FIREWORKS

TABLE 5604.3 STORAGE AMOUNTS AND MAGAZINE REQUIREMENTS FOR EXPLOSIVES, EXPLOSIVE MATERIALS AND FIREWORKS, 1.3G MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA

(No changes to the body of the table.)

For SI: 1 pound = 0.454 kg, 1 pound per gallon = 0.12 kg per liter, 1 ounce = 28.35 g.

- a. A factor of 10 pounds per gallon shall be used for converting pounds (solid) to gallons (liquid) in accordance with Section ~~2703.1.2~~ 5003.1.2.
- b. Black powder shall be stored in a Type 1, 2, 3 or 4 magazine as provided for in Section 5604.3.1.
- c. This table shall not apply to consumer fireworks, 1.4G.

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1st PRINTING (Posted: 8-30-12)

CHAPTER 57 FLAMMABLE AND COMBUSTIBLE LIQUIDS

5706.4.7 Wharves. This section shall apply to all wharves, piers, bulkheads and other structures over or contiguous to navigable water having a primary function of transferring liquid cargo in bulk between shore installations and tank vessels, ships, barges, lighter boats or other mobile floating craft.

Exception: Marine motor fuel-dispensing facilities in accordance with Chapter ~~22~~ 23.

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1st PRINTING (Posted: 8-27-13)

CHAPTER 80 REFERENCED STANDARDS

ASME

A17.3—2008 Safety Code for Existing Elevators and Escalators ~~4403.2~~ 1103.3

NFPA

51A—~~44~~ 12 Acetylene Cylinder Charging Plants 3508.1

99—~~40~~ 12 Health Care Facilities 5306.4

409—~~40~~ 11 Aircraft Hangars 914.8.2, Table 914.8.2, 914.8.2.1, 914.8.5

430—~~40~~ 04 Storage of Liquid and Solid Oxidizers 6304.1.4

490—~~40~~ 02 Storage of Ammonium Nitrate 5601.1.5

505—~~40~~ 11 Powered Industrial Trucks, Including Type Designations,
Areas of Use, Maintenance and Operation 5003.7.3

654—~~41~~ 06 Prevention of Fire and Dust Explosions from the Manufacturing,
Processing and Handling of Combustible Particulate Solids Table 2204.1

720—~~05~~ 09 Standard for the Installation of Carbon Monoxide (CO)
Warning Equipment in Dwelling Units 908.7, 908.7.1, 1103.9

1124—~~42~~ 06 Manufacture, Transportation, Storage and Retail Sales of Fireworks
and Pyrotechnic Articles 202, 5604.2, 5605.1, 5605.3, 5605.4, 5605.5

2001—~~44~~ 12 Clean Agent Fire Extinguishing Systems Table 901.6.1, 904.10

UL

294—99 ~~Standard for~~ Access Control System Units – with revisions through 2009 1008.1.9.8

790 – 04 Standard Test Methods for Fire Tests of Roof Coverings
– with revisions through October, 2008. 317.2, 317.3

2017—08 General Purpose Signaling Devices and Systems
– with revisions through October, 2009. 2311.7.2.1.1, 6004.2.2.10.1

2034—08 Single- and Multiple-station Carbon Monoxide Alarms
– with revisions through February, 2009. 908.7, 1103.9