

ORDINANCE NO. 2004-_____

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROCKFORD, ILLINOIS, THAT:

Chapter 11, Fire Protection and Emergency Services, of the Code of Ordinances of the City of Rockford, Illinois, passed November 30, 1970, approved December 2, 1970, and published December 8, 1970, as amended, be and the same is hereby amended by the following, to wit:

Section 11-54 is amended as follows:

Section 11-54 Fire Code Adopted by reference.

The ICC International Fire Code/2003, as recommended and maintained by the International Code Council, Inc. including Appendix B, C, D, E, F and G is hereby referred to, adopted, and made a part hereof, as if fully set out in this article, with the additions, insertions, deletions and amendments contained in Section 11-55 and Section 11-56.

Section 11-55 (c) is amended as follows:

(c) Whenever the term "fire code official" is used it shall mean the Chief of the Fire Department, or his designee, of the City of Rockford, Illinois.

Section 11-56 is amended as follows:

Section 11-56 Amendments, additions and deletions to the International Fire Code.

The ICC International Fire Code/2003 is amended as follows:

(1) Section 101.1 is amended as follows:

101.1 Title. These regulations shall be know as the Fire Code of the City of Rockford, State of Illinois and hereinafter referred to as such or as “this code”.

(2) Section 103.5 is added as follows:

103.5 Restriction of employees. An official or employee connected with the enforcement of this code, except whose only connection is that of a member of the board of appeals established under the provisions of section 108 of this code, shall not be engaged in, or directly or indirectly connected with, the furnishing of labor, materials or appliances for the construction, alteration or maintenance of a building, or the preparation of construction documents thereof, unless that person is the owner of the building; nor shall such officer or employee engage in any work that conflicts with official duties or with the interests of the department.

(3) Section 105.1.1.1 is added as follows:

105.1.1.1 Operational Permit Fees. The permit fees for an operational permit in accordance with Section 105.6, excluding permits as required by 105.1.1.2, shall be as follows:

Flammable and combustible liquid tanks _____ :
Fee per tank \$40.00

All other permits required _____ :
1% of operation minimum \$25/maximum \$500

(4) Section 105.1.1.1 is added as follows:

105.1.1.2 The permit fees for an operational permit in accordance with Section 105.6.15 shall be 1% of the operation with a minimum of \$25 and a maximum of \$500 :

Flammable and combustible liquid tanks:
(per tank) \$40.00

(5) Section 105.6.43 is amended as follows:

105.6.44 Temporary membrane structures, tents and canopies. An operational permit is required to operate (an) air-supported temporary membrane structure(s) or (a) tent(s) having an aggregate area in excess of ~~200~~ 120 square feet (19

11.4 m²), or a canopy in excess of 400 square feet (37 m²).

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Fabric Canopies and awnings open on all sides which comply with all of the following:
 - 2.1 Individual canopies placed side by side shall have ~~having~~ a maximum size of 700 square feet (65 m²).
 - 2.2 The aggregate area of multiple canopies placed side by side without a fire break clearance of not less than 12 feet (3658 mm) shall not exceed 700 square feet (65 m²) total.
 - 2.3 A minimum clearance of 12 feet (3658) to structures and other tents shall be provided.
3. Individual temporary membrane structures or tents having an area of 120 square feet or less and separated from other structures by a minimum of 20 feet (6096 mm).

(6) Section 105.7.12 is amended as follows:

105.7.12 Temporary membrane structures, tents and canopies. A construction permit is required to erect (an) air-supported temporary membrane structure(s) or (a) tent(s) having an aggregate area in excess of ~~200~~ 120 square feet (~~19~~ 11.4 m²), or a canopy in excess of 400 square feet (37 m²).

Exceptions:

1. Tents used exclusively for recreational camping purposes.
2. Funeral tents and curtains or extensions attached thereto, when used for funeral services.
3. Fabric Canopies and awnings open on all sides which comply with all of the following:
 - 3.1 Individual canopies placed side by side shall have a maximum size of 700 square feet (65 m²).
 - 3.2 The aggregate area of multiple canopies placed side by side without a fire break clearance of 12 feet (3658 mm) shall not exceed 700 square feet (65 m²) total.
 - 3.3 A minimum clearance of 12 feet (3658) to structures and other tents shall be maintained.
4. Individual temporary membrane structures or tents having an area of 120 square feet (11.4 m²) or less and separated from other structures by a minimum of 20 feet (6096 mm).

(7) Section 105.9 is added as follows:

105.9 Work commencing before permit issuance. When a permit is required by this code, and work is started or proceeded with, prior to obtaining said permit, the fees established by Section 105.1.1.1 shall be doubled and not less than \$250.00. *This penalty may be waived by the code official if the person in violation has not obtained a permit in the past year and is performing work on property they own.* The payment of such fee shall not relieve any person from complying with the requirements of this code and the execution of the work, nor from any penalties prescribed herein.

(8) Section 105.10 is added as follows:

105.10 Licenses.

(a) A license shall be the authority issued by the comptroller in connection with the recommendation of the fire department, for the conducting of a business, trade, occupation or calling.

(b) License requirements are as set out specifically in the ICC International Fire Code and the amendments adopted thereto, and Rockford Code of Ordinances, Chapter 7, Business, Trades and Occupations.

(9) Section 108 is deleted in its entirety and replaced as follows:

108.1 Board of appeals established. The board of appeals shall be the same board of appeals as set forth in Section 112 and appendix B of the ICC International Building Code.

(10) Section 109.2.1 is deleted and replaced as follows:

Service. Such notice shall be deemed to be properly served if a copy thereof is:

1. Delivered to the owner personally; or
2. Sent by first class mail, postage prepaid, to the owner at the last known address; or
3. Sent by certified mail, postage prepaid, addressed to the owner at the last known address with return receipt requested, if required by law.

(11) Section 109.3 is amended as follows:

109.3 Violation penalties. Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be subject to penalties within the limits provided in state and local laws and ~~guilty of a [SPECIFY OFFENSE]~~ punishable by a fine of not less than 50 and not more than [750] dollars ~~or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment.~~ Each day that a violation continues after due notice has been served shall be deemed a separate offense.

(12) Section 110.5 is added as follows:

110.5 Debris as nuisance. Debris remaining at the scene of a fire after the site has been released by the fire department shall constitute a nuisance. Property owner shall be notified of said nuisance and, if not rectified to standards established by fire inspectors, said debris shall be removed by the city or its duly authorized agent. Costs for removal shall become a lien against the property or other actions permitted by law.

(13) Section 202 is amended as follows:

**SECTION 202 GENERAL DEFINITIONS
OCCUPANCY CLASSIFICATION**

[B] Assembly Group A. Assembly group A occupancy includes, among others, the use of a building or structure, or a portion thereof, for the gathering together of persons for purposes such as civic, social or religious functions, recreations, food or drink consumption or awaiting transportation. A room or space used for assembly purposes by less than 50 persons and ~~accessory to another occupancy~~ 750 square feet or less shall be included as a part of that occupancy. Assembly occupancies shall include the following:
The remainder of this definition remains unchanged.

[B] Residential Group R.

R-3 Residential occupancies where the occupancies are primarily permanent in nature and not classified as R-1, R-2 or I and where buildings do not contain more than two dwelling units, as applicable with the International Building Code, ~~or~~ Adult and child care facilities that are

~~within a single family home are permitted to comply with the *International Residential Code* in accordance with the *International Building Code*. provide accommodations for five or fewer persons of any age for less than 24 hours.~~

R-4 Residential occupancies shall include buildings arranged for occupancy as Residential Care/Assisted Living Facilities including more than five but not more than 16 occupants.

Group R-4 occupancies shall meet the requirements for constructions as defined for Group R-3 except as otherwise provided for in this code or shall comply with the *International Residential Code* in accordance with the *International Building Code*. ~~for the height and area limitations provided in Section 503 of the *International Building Code*.~~

(14) Section 202 is amended as follows by adding the following definitions:

OCCUPANCY CLASSIFICATION. To help clarify how to distinguish occupancies listed in this Section and to summarize requirements of Sections 903 and 907 the following table is hereby established:

Occupancy→	E Educational		I1 Institutional	I2 Institutional	I4 Institutional		R4 Residential	R3 Residential	
Requirements ↓	Day Care * if all child care rooms located at level of exit discharge and each has an exit door directly to exterior. If not, classified as Group I-4		Board care, assisted living, convalescent facilities, half-way home, group home, congregate care, social rehabilitation, alcohol & drug centers, etc.	Child Care Facility	Adult or Child Day Care that is <u>not</u> an accessory to a place of worship - A3- used only during religious functions ** More than 5 adults capable of self preservation are classified Group A3.		Residential Care/ Assisted Living	Residential Care/ Assisted Living	
Hours of care per day	< 24		24	24	< 24		any amount	24	
Number of care recipients	6 to 100*	<= 5	>= 17	>= 6	>= 6**		6 to 16	<= 5	
Age of care recipients in years	2 ½ or less*	> 2 ½	NA	2 ½ or less	> 2 ½	2 ½ or less	NA	NA	
Care recipients capable of responding in an emergency	No*	Yes	Yes	No	Yes**	No	Yes	Yes	
Sprinklers required	> 20,000 sf FA except when all classrooms w/ door to grade		Always	Always	> 16 care recipients		No	No	Per International Residential Code
Manual Fire Alarm required	> 50 occupants		Always	Always	> 16 care recipients		No	No	
Automatic Fire Detection required	No, unless per IBC 907.2.3		Always	Always	> 16 care recipients		No	No	
Single-Multiple Station Smoke Alarms required	No, unless per IBC 907.2.3		Not required where automatic fire detection provided	No, unless per IBC 907.2.6.1	Always and interconnected		Always and interconnected	Always and interconnected	

(15) Section 302.1 is amended as follows:

302.1 Definitions. Amend definitions as follows:

BONFIRE. An outdoor fire utilized for ceremonial purposes. A bonfire shall not be more than 5 feet (1524 mm) by 5 feet (1524 mm) by 5 feet (1524 mm) in dimension and shall not burn longer than 3 hours.

RECREATIONAL FIRE. An outdoor fire burning materials other than rubbish ~~where the fuel being burned is not contained in an incinerator, outdoor fireplace, barbecue grill or barbecue pit and has~~

~~with a total fuel area of 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height for pleasure, religious, ceremonial, cooking, warmth or similar purposes~~ food for human consumption.

(16) Section 307.3.1 is amended as follows:

307.3.1 Bonfires. A bonfire shall not be conducted within 50 feet (15 240 mm) of a structure of combustible material ~~unless bonfire is contained in a barbecue pit.~~ Conditions which would cause a fire to spread within 50 feet (15 240 mm) of a structure shall be eliminated prior to ignition.

307.3.1.1 Material. Fuel for a bonfire shall consist only of seasoned dry firewood and other material approved by the code official. The bonfire shall be ignited with a small quantity of paper. The fire shall not be utilized for waste disposal purposes, and the fuel shall be chosen to minimize the generation of air contaminants.

307.3.1.2 Permit. All permits, required by section 105.6.31, shall be requested by and issued to the owner of the land upon which the bonfire is to be kindled.

(17) Section 307.3 is amended to delete exceptions 1 and 2.

(18) Section 307.5 is amended to delete exceptions 1 and 2.

(19) Section 307.5.1 is amended to delete the exception.

(20) Section 308.5.2.1 is added as follows:

308.5.2.1 Liquid fueled heaters: Liquid fueled unvented space heaters including kerosene and waste oil heaters shall be prohibited in buildings of use group A, B, E, H, I, M and R.

(21) Section 310.9 is added as follows:

310.9 Careless smoking. Any person, who by smoking or attempting to light such devices, in any manner in which any source of ignition is employed, who shall in any careless, reckless, or negligent manner whatsoever, whether willfully or wantonly or not, set fire to any bedding, furniture, curtains, any household fittings or any part of any building whatsoever so as to endanger life or property in any way or to any extent, shall be guilty of a misdemeanor.

(22) Section 401.1 is amended as follows:

401.1 Scope. Reporting of emergencies, coordination with emergency response forces, emergency plans, and procedures for managing or responding to emergencies shall comply with the provisions of this ~~section~~ chapter and the 2000 NFPA 101 Life safety Code as amended and adopted by the City of Rockford.

Exception: Deleted.

(23) Section 505.1 is amended as follows:

505.1 Address numbers. New and existing buildings shall have ~~approved~~ City of Rockford assigned address numbers, building numbers, or approved building identification placed in a position that is plainly legible and visible from the street or road ~~fronting the property to which the building is addressed.~~ These numbers shall contrast with their background. Address numbers shall be Arabic numerals or English alphabet letters. Numbers shall be a minimum of 4 ~~3~~-inches (102 ~~77~~ mm) high ~~with a minimum stroke width of 0.5 inch (12.7 mm)~~ when less than 100 feet from the street. When over 100 feet and less than 200 feet from the street, the numbers shall be 5 inches (128 mm) high. When over 200 feet from the street, the numbers shall be 7 inches (179 mm) high. Wherever the primary entry doors are visible from the address street, the numbers shall be displayed above, on or adjacent to the primary entry doors. Numbers shall be displayed where they remain visible at all times. Where a building is more than 500 feet from the street, displaying numbers on a building identification sign or other approved location near and viewable from the street are encouraged.

(24) Sections 506.3 and 506.4 are added as follows:

506.3 Key Box Installation. Any new or existing building with a supervised fire suppression or fire alarm system or as otherwise required by the fire code official shall have an exterior key box to be provided and installed at the owners expense. The key box will be installed near the main Fire Department entrance as approved by the fire code official. Keys placed in the box shall be tagged for property, door and entry identification.

Exception: One and two family dwelling units.

506.4 Key Box Specification. Any reference to a key box within this code refers to specific key boxes as manufactured by Knox Box®.

(25) Section 508.2.3 is added as follows:

5082.3. Size of mains. Water mains serving fire hydrant systems, on public or private property, shall not be installed on any new water main less than 8 inches (203 mm) in diameter.

(26) Section 603.8 is amended as follows:

603.8 Incinerators. Commercial, industrial and residential type incinerators and chimneys shall be constructed in accordance with the *International Building Code*, the *International Fuel Gas Code*, and the *International Mechanical Code*. All new and existing incinerators shall be approved prior to use by the IL E.P.A.

(27) Section 607.1 is amended as follows:

607.1 Required. Existing elevators with a travel of ~~25 feet (7620 mm)~~ 2 stories or more above or below the main floor or other level of a building and intended to serve the needs of emergency personnel or fire-fighting or rescue purposes shall be provided with emergency operation in accordance with ASME A17.3. New elevators shall be provided with Phase I emergency recall operation and Phase II emergency in-car operation in accordance with ASME A17.1.

(28) Section 704.1 Is amended as follows:

704.1 Enclosure. Interior vertical shafts, including but not limited to stairways, elevator hoistways, service and utility shafts, that connect two or more stories of a building shall be enclosed or protected as specified in Table 704.1 or as required by the 2000 NFPA 101 Life Safety Code as amended by the City of Rockford. When openings are required to be protected, openings into such shafts shall be maintained self-closing or automatic-closing by smoke detection. Existing fusible-link-type automatic door-closing devices are permitted if the fusible link rating does not exceed 135 deg. F (57deg. C).

(29) Section 801.1 is amended as follows:

801.1 Scope. The provisions of this chapter shall govern furniture and furnishings, interior finishes, interior trim, decorative materials and decorative vegetation in buildings. Sections 803, 804 and 805 shall be applicable to new and existing buildings. Section 806 or the 2000 NFPA 101 Life safety Code as amended by the City of Rockford shall be applicable to existing buildings.

(30) Section 901.4.1 Is amended as follows:

901.4.1 Required fire protection systems. Fire protection systems required by this code, the 2000 Life Safety Code NFPA 101, as amended by the City of Rockford, or the *International Building Code*, shall be installed, repaired, operated, tested and maintained in accordance with this code.

(31) Section 901.4.2 Is amended as follows:

901.4.2 Nonrequired fire protection systems. Any fire protection system or portion thereof not required by this code, the 2000 Life Safety Code NFPA 101, as amended by the City of Rockford, or the *International Building Code*, shall be allowed to be furnished for partial or complete protection provided such installed system meets the requirements of this code, the 2000 Life Safety Code NFPA 101, or the International Building Code.

(32) Section 901.4.2.1 is added as follows:

901.4.2.1 Nonrequired fire protection systems – discontinuance: All nonrequired fire protection systems shall be approved for discontinuance by the Fire Official. All discontinued equipment and devices, such as pull stations, nozzles, detectors, sprinklers, sensors, panels and hose connections shall be removed so as not to give a false indication that the structure, area or space is protected.

(33) Section 901.6.2 Is amended as follows:

901.6.2 Records. Records of all system inspections, tests and maintenance required by the referenced standards shall be maintained on the premises for a minimum of ~~± 3~~ 2 years ~~and made available to the code official upon request with copies sent to the Division of Fire Prevention annually.~~

(34) Section 903.2.3 and 903.2.3.1 is deleted and replaced as follows:

903.2.3 Group B and F. An automatic sprinkler system shall be provided throughout all buildings containing Groups a B and F Occupancy where one of the following conditions exists:

1. Where a Group F or B fire area exceeds 12,000 square feet (1115m²); or
2. Where a Group F or B fire area is located more than two stories above grade; or
3. Where the combined area of all Group F or B fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).
4. Where woodworking operations in Group B or F fire areas in excess of 2,500 square feet (232 m²) which generate finely divided combustible waste or which use finely divided combustible materials.

(35) Section 903.2.5 is amended as follows:

903.2.5 Group I. An automatic sprinkler system shall be provided throughout buildings with a Group I fire area.

Exceptions:

1. An automatic sprinkler system installed in accordance with Section 903.3.1.2 or Section 903.3.1.3 shall be allowed in Group I-1 facilities.
2. Occupancy I-4 with not more than sixteen occupants.

(36) Section 903.2.6 is amended as follows:

903.2.6 Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M Occupancy where one of the following conditions exists:

1. Where a Group M fire area exceeds 12,000 square feet (1115 m²).
2. Where a Group M fire area is located more than ~~three~~ two stories above grade; or
3. Where the combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).

(37) Section 903.2.7 is amended as follows:

903.2.7 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.

Exceptions:

1) Group R2 occupancies in Buildings within exterior walls (regardless of the presence of fire walls as defined in section 702) that have all of the following:

1. are not more than two stories in height;
2. have not more than four dwelling units;
3. have independent means of egress for each dwelling unit; and
4. have two hour fire barriers and horizontal assemblies between each dwelling unit.

This exception to the 2003 text will expire December 31, 2005.

2) Group R3 Occupancies complying with the International Residential Code.

3) Group R4 Occupancies with not more than sixteen occupants.

(38) Section 903.2.8 and 903.2.9 is deleted and replaced as follows:

903.2.8 Group S. An automatic sprinkler system shall be provided throughout all buildings containing a Group S occupancy where one of the following conditions exist:

1. Where a Group S fire area exceeds 12,000 square feet (1115 m²)
2. Where a Group S fire area is located more than three stories above grade; or
3. The combined area of Group S fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m²).

Exception: One story Group S-2 occupancy buildings of type II or type IV construction with fire separation distances not less than 30 feet and which are occupied exclusively for storage of noncombustible materials that are not packed or crated in combustible materials. Under this exception, the permit and Certificate of Occupancy shall include specific reference to this exception and specific limitations of this exception. Also, the owner shall prepare a notice to all subsequent parties of interest for the property, to be recorded with the Winnebago County Recorder. This notice shall be provided to the code official and shall state the specific limitation of the exception being used, and that any other occupancy or use of the building will require the installation of an automatic sprinkler system. This notice shall be submitted, with required recording fee, to the city with permit application. The City shall record the notice.

(39) Section 903.2.11 is deleted

(40) Section 903.2.10.1 item #3 is added as follows.

903.2.10.1 Stories and basements without openings.

3. An interior stairway that conforms to requirements of Section 1005.0 with a fire separation assembly enclosure of not less than 1 hour, which has a door directly to exterior and the stair does not connect more than 2 stories. The basement or windowless story floor level shall be 15 feet (4572 mm) or less vertically from exterior door threshold level

and door threshold shall be within 10 feet (3048 mm) of grade. Interior stair doors shall be provided in each 50 linear feet (15240 mm) or fraction thereof on at least one side of the basement or windowless story.

(41) Section 903.3.1.1.1 is amended as follows:

903.3.1.1.1 Exempt locations. Automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with Section 907.2 that will respond to visible or invisible particles of combustion, or where an alternative automatic fire-extinguishing system is installed in accordance with Section 904 as approved by the code official. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance rated construction or contains electrical equipment.

1 - 4 unchanged

(42) Section 903.3.5 is amended as follows:

903.3.5 Water supplies. Water supplies for automatic sprinkler systems shall comply with this section and the standards reference in Section 903.3.1. The potable water supply shall be protected against backflow in accordance with requirements of this section and the *International Illinois Plumbing Code*.

(43) Section 903.3.3.5.1.1 is amended as follows:

Section 903.3.5.1.1 Limited area sprinkler systems. Limited area sprinkler systems ~~servicing fewer than 20 sprinklers on any single connection~~ are permitted to be connected to the domestic service where a wet automatic standpipe is not available. Limited area sprinkler systems connected to domestic water supplies shall comply with each of the following requirements:

1. Valves shall not be installed between the domestic water riser control valve and the sprinklers.
Exception: An approved indicating control valve supervised in the open position in accordance with Section 903.4.
2. The domestic service shall be capable of supplying the simultaneous domestic demand and the sprinkler demand

required to be hydraulically calculated by NFPA 13, NFPA 13R or NFPA 13D.

3. The maximum number of sprinklers on multiple limited area sprinklers within a building may not exceed 40.

(44) Section 903.4.2 is amended as follows:

903.4.2 Alarms: Approved audible and visible devices shall be connected to every automatic sprinkler system.

The remainder of this section is unchanged.

(45) Section 903.6 is amended as follows:

903.6 Existing buildings. The provisions of this section, are intended to provide a reasonable degree of safety in existing structures not complying with the minimum requirements of the *International Building Code* by requiring installation of an automatic fire-extinguishing system in accordance with this code and the 2000 NFPA 101, Life Safety Code, as amended by the City of Rockford.

(46) Section 905.3.1 is amended as follows:

905.3.1 Building height. Class ~~III~~ I standpipe systems shall be installed throughout buildings where the floor level of the highest story is located more than ~~30~~ 24 feet (~~7315~~ 5852 mm) above the lowest level of fire department vehicle access, or where the floor level of the lowest story is located more than ~~30~~ 24 feet (~~7315~~ 5852 mm) below the highest level of fire department vehicle access.

(47) Section 905.3.2 is deleted in its entirety.

(48) Section 905.11 is amended as follows:

905.11 Existing buildings. Existing structures not complying with the minimum requirements of the International Building Code and the 2000 NFPA 101 Life Safety Code as amended by the City of Rockford, with occupied floors located more than 50 feet (15240 mm) above or below the lowest level of fire department access ~~shall~~ may be required to be equipped with standpipes installed in accordance with Section 905. The standpipes shall have an approved fire department connection with hose connections at each floor level above or below the lowest level of fire department access. The code official is authorized to approve the installation of manual standpipe systems to achieve compliance with this section where responding fire department

is capable of providing the required hose flow at the highest standpipe outlet.

(49) Section 906.1 is amended as follows:

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

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

Exception:(Delete and replace with the following:) Existing R-2 occupancies with less than 6 dwelling units.

2 – 6 Unchanged

7. As required by ASME A17.1 and A17.3 for elevator equipment rooms.

(50) Section 907.2 is amended as follows.

907.2 Where required – new buildings and structures. An approved manual, automatic or manual and automatic fire alarm system shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and the Illinois Accessibility Code (IAC). Where automatic sprinkler protection installed in accordance with Section 903.3.1.1 or 903.3.1.2 is provided and connected to the building fire alarm system, automatic heat detection required by this section shall not be required.

Second paragraph unchanged.

(51) Section 907.2.1 is amended as follows:

907.2.1 Group A. A manual alarm system shall be installed in accordance with NFPA 72 and the IAC, in Group A occupancies having an occupant load of 300 or more and when located two or more stories above or below the level of exit discharge. 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: is deleted

(52) Section 907.2.6 is amended as follows:

907.2.6 Group I. A manual fire alarm system and an automatic fire detection system shall be installed in Group I occupancies. An electronically supervised, automatic smoke detection system shall be provided in waiting areas that are open to corridors.

Exceptions:

1. Manual fire alarm boxes in patient sleeping areas of Group I-1 and I-2 occupancies shall not be required at exits if located at all nurse's control stations or other constantly attended staff locations, provided such stations are visible and continuously accessible and that travel distances required in Section 907.3.1 are not exceeded.
2. Group I-4 occupancies with not more than 16 occupants excluding staff shall not require manual fire alarm or automatic fire detection systems.

(53) Section 907.2.10.1.2. is amended as follows:

907.2.10.1.2 Groups R-2, R-3, R-4, and I-1 and I-4. Single- or multiple-station smoke alarms shall be installed and maintained Groups R-2, R-3, R-4, ~~and~~ I-1 and I-4 regardless of occupant load at all of the following locations:

The remainder of this section remains unchanged.

(54) Section 907.2.10.1.3 is amended as follows:

907.2.10.1.3 Group I-1 and I-4. Single- or multiple-station smoke alarms shall be installed and maintained ~~in sleeping areas~~ in occupancies in Group I-1 and I-4. Single- or multiple-station smoke alarms shall not be required where the building is equipped throughout with an automatic fire detection system in accordance with section 907.2.6.

(55) Section 907.2.10.1.4 is added as follows:

907.2.10.1.4 Additions, or alterations to Group R. When addition or alteration to an individual dwelling unit or guestroom in Group R requires a permit, smoke alarms shall be provided within added and altered areas in accordance with this locations required by sections 907.2.10.1.1 and 907.2.10.1.2. Where one or more sleeping rooms are added or created in an existing Group R, smoke alarms shall be installed in locations required by sections 907.2.10.1.1 and 907.2.10.1.2.

Exception: Repairs to the exterior surfaces of occupancies in Group R are exempt from the requirements of this section.

(56) Section 907.2.10.2 is amended as follows:

907.2.10.2 Power source. In new construction, required smoke alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery backup. Smoke Alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for over current protection.

Exceptions:

1. Smoke alarms are not required to be equipped with a battery backup in Group R-1 where they are connected to an emergency electrical system.
2. Smoke alarms are permitted to be solely battery operated in Group R existing buildings, buildings not served from a commercial power source and in existing Group R areas where alterations and repairs regulated by Section 907.2.10.1.4 do not result in the removal of interior wall or ceiling finishes exposing the structure between alarm(s) and a building wiring power source.

(57) Section 907.2.10.3 is amended as follows:

907.2.10.3 Interconnection. Where more than one smoke alarm is required to be installed within an individual dwelling unit in Group R-2, R-3 or R-4, ~~or~~ within an individual guestroom or suite in Group R-1, or within Group I-4 occupancies, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit or occupancy. The alarm shall be clearly audible in all bedrooms or spaces in Group I-4 occupancies over background noise levels with all intervening doors closed.

Exceptions:

1. Smoke alarms that are permitted to be solely battery operated in accordance with section 907.2.10.2 are not required to be interconnected.
2. Smoke alarms in existing Group R areas are not required to be interconnected where alterations and repairs regulated by Section 907.2.10.1.4 do not result in the removal of interior wall or ceiling finishes exposing the structure between alarm(s).
3. Interconnection may be by the use of radio-frequency (RF) where installation of wire is not practical.

(58) Section 907.2.12 is amended as follows:

907.2.12 High-rise buildings. Buildings having floors used for human occupancy located more than ~~75~~ 65 feet (~~22860~~ 19812 mm) above the lowest level of fire department vehicle access shall be provided with an automatic fire alarm system and an emergency voice/alarm communications system in accordance with Section 907.2.12.2.

(59) Section 907.3 is amended as follows:

907.3 Where required – retroactive in existing buildings and structures.

An approved manual, automatic or manual and automatic fire alarm system shall be installed in existing buildings and structures in accordance with ~~Sections 907.3.1 through 907.3.1.8~~ the 2000 NFPA 101 Life Safety Code as amended by the City of Rockford. Where automatic sprinkler protection is provided in accordance with Section 903.3.1.1 or 903.3.1.2 and connected to the building fire alarm system, automatic heat detection required by this section shall not be required.

The remainder of this section remains unchanged.

(60) Sections 907.3.1 through 907.3.1.8 are deleted:

(61) Section 907.9.2 is amended as follows:

907.9.2 High-rise buildings. In buildings that have floors located more than ~~75~~ 65 feet (~~22860~~ 19812 mm) above the lowest level of fire department vehicle access that are occupied for human occupancy, a separate zone by floor shall be provided for all of the following types of alarm-initiating devices where provided:

The remainder of this section remains unchanged.

(62) Section 910.2.1 is hereby deleted.

(63) Section 910.2.3 is hereby deleted

(64) Section 912.5 is amended as follows:

912.5 Backflow protection. The potable water supply to automatic sprinkler and standpipe systems shall be protected against backflow as required by the ~~International~~ Illinois State Plumbing Code.

(65) Section 1003.4 is amended as follows:

1003.4 Floor surface. Walking surfaces of the means of egress shall have a slip-resistant surface and be securely attached. Minimum coefficients of friction for any walking surfaces shall be .06 on surfaces with slopes 1:20 or less and 0.8 on surfaces with slopes greater than 1:20.

(66) Section 1003.2.12.1 is amended by adding exception #3 as follows:

1003.2.12.1 Height

Exceptions:

3. In other than occupancies in Use Group E, guards shall not be less than 36 inches (914 mm) in height above the leading edge of the tread along stairs which are not more than 20 feet (6096 mm) in height or which reverse direction at an intermediate landing with 12 inches (305 mm) or less measured horizontally between successive flights. Guard height may remain at 36 inches (914 mm) for the length of handrail extensions required by Section 1003.3.3.11.5.

(67) Sections 1007.1 through 1007.8.3 are deleted and replaced as follows:

1007.1 Accessible means of egress. Accessible means of egress shall comply with the Illinois Accessibility Code (IAC).

(68) Section 1009.3 is amended as follows:

1009.3 Stair treads and risers. Stair riser heights shall be 7 inches (178 mm) maximum and 4 inches (102 mm) minimum. Stair tread depths shall be 11 inches (279 mm) minimum. The riser height shall be measured vertically between the leading edges of adjacent treads. The greatest riser height within any flight of stair shall not exceed the smallest by more than 0.375 inch (9.5 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 0.375 inch (9.5 mm). Treads and risers shall be so proportioned that the sum of two risers plus one tread, exclusive of nosing, is not less than 24 inches nor more than 26 inches. Winders treads shall have a minimum tread depth of 11 inches (279 mm) measured at right angle to the tread's leading edge at a point 12 inches (305 mm) from the side where the treads are narrower and a minimum tread depth

of 10 inches (254 mm). The greatest winder tread depth at the 12-inch (305 mm) walk line within any flight of stairs shall not exceed the smallest by more than 0.375 (9.5mm).

Exceptions.

1-4 Remains unchanged.

5. In occupancies in Group R-3, as applicable with Section 1001.1, within dwelling units in occupancies in Group R-2, as applicable in Section 1001.1 and in occupancies in Group U, which are accessory to an occupancy in Group R-3, as applicable in Section 1001.1, and non required means of egress stairs in all use groups, the maximum riser height shall be 7.75 inches (197 mm) and the minimum read depth shall be 10 inches (254 mm), the minimum winder tread depth at the walk line shall be 10 inches (254 mm), and the minimum winder tread depth shall be 6 inches (152 mm). A nosing not less than 0.75 inch (19.1 mm) but not more than 1.25 inches (32 mm) shall be provided on stairways with solid risers where the tread depth is less than 11 inches (279 mm).

6. Remains unchanged.

(69) Section 1009.3.2 exceptions are amended as follows:

1009.3.2 Profile.

Exceptions:

1. Solid risers are not required for stairways that are not required to ~~comply with Section 1003.2.13.2~~ be accessible by IAC, provided that the opening between treads does not permit the passage of a sphere with a diameter of 4 inches (102 mm).
- ~~2. Solid risers are not required for occupancies in Group I-3.~~

(70) Section 1009.5.2 is amended as follows:

1009.5.2 Outdoor conditions. Outdoor stairways and outdoor approaches to stairways shall be designed so that water will not accumulate on walking surfaces. In other than occupancies in Group R-3, and occupancies in Group U that are accessory to an occupancy in Group R-3, treads, platforms and landings that are part of exterior stairways in climates subject to snow or ice shall be protected to prevent the accumulation of same. Opening in treads, platforms, landings are permitted for outdoor stairways not exceeding two

stories, provided openings do not exceed one -half inch in the primary direction of travel.

(71) Section 1009.11 exceptions are amended as follows:

1009.11 Handrails.

Exceptions 1-3 remain unchanged.

Exception #4 is deleted and replaced as follows:

4. Handrails are not required for two or less risers.

Exception #5 is hereby deleted.

(72) Section 1009.11.3 is deleted and replaced as follows:

1009.11.3 Handrail graspability. All handrails shall be in accordance with the IAC.

(73) Section 1009.11.5 is amended as follows.

1009.11.5 Handrail extensions. Handrails shall return to wall, guard or the walking surface or shall be continuous to the handrail of an adjacent stair flight. Where handrails are not continuous between flights, the handrails shall extend horizontally at least 12 inches (305 mm) beyond the top riser and continue to slope for a depth of one tread plus at least 12 inches (305 mm) horizontally beyond the bottom riser. Extensions at the top and bottom of a ramp need only extend 12 inches (305 mm) horizontally.

Exceptions:

1. Handrails within a dwelling unit that is not required to be accessible by the IAC need extend only from the top riser to the bottom riser.
2. Aisle handrails in Group A occupancies in accordance with Section 1008.11.

(74) Section 1010.2 is amended as follows:

1010.2 Slope. Ramps used as part of a means of egress shall have a running slope not steeper than one unit vertical in 12 units horizontal (8-percent slope.) The slope of other ramps shall not be steeper than one unit vertical in eight units horizontal (12.5-percent slope) permitted by the Illinois Accessibility Code.

(75) Section 1014.1 is amended as follows:

1014.1 Exit or exit access doorways required.

Two exits or exit access doorways from any space shall be provided where one of the followings conditions exists:

1. The occupant load of the space exceeds the values in Table 1014.1.
2. The common path of egress travel exceeds the limitations of Section 1013.3.
3. Where required by Section 1014.

Exceptions:

1. Group I-2 occupancies shall comply with Section 1013.2.2.
2. Travel distances for use group B may be increased to 100 feet if entire building has an automatic sprinkler system in accordance with Section 903.3.1.1 and all spaces served by the means of egress have automatic smoke detection in accordance with NFPA 72 for full space detection.

(76) Section 1014.2.1 is amended as follows:

1014.2.1 Two exit or exit access doorways.

Where two exits or exit access doorways are required from any portion of the exit access, the exit doors or exit access doorways shall be placed a distance apart equal to not less than one-half of the length of the maximum overall diagonal dimension of the building or area to be served measured in a straight line between exit doors or exit access doorways. Interlocking or scissor stairs shall be counted as one exit stairway. Where more than one exit or exit discharge doors are required, the distance measured along an exterior wall shall not be less than 20 feet.

Exceptions:

1. Is hereby deleted.
2. Remains unchanged.

(77) Section 1016.1 is amended by adding exception #5 as follows:

1016.1 Construction.

Exceptions:

5. In Use Group B serving greater than 30 occupants but fewer than 75 occupants, the fire-resistant rating of a corridor shall not be required if an automatic fire detection system or single or multiple station smoke alarms in accordance with NFPA 72 provide full space detection for all spaces served by the corridor.

(78) Section 1019.1.7 is amended as follows:

Section 1019.1.7 Stairway floor number signs. A sign shall be provided at each floor landing in interior vertical exit enclosures connecting more than three stories designating the floor level, the terminus of the top and bottom of the stair enclosure, and the identification of the stair. The signage shall also state the story of, and the direction to the exit discharge and the availability of roof access from the stairway for the fire department. The sign shall be located 5 feet (1524 mm) above the floor landing in a position which is readily visible when the doors are in the open and closed positions. Signage shall comply with the Illinois Accessibility Code.

(79) Section 1019.1.8 is amended as follows:

1019.1.8 Smokeproof enclosures. In buildings required to comply with the high-rise provisions of the International Building Code or the provisions for underground buildings in the International Building Code, each of the exits of a building that serves stories where the floor surface is located more the ~~75~~ 65 feet (~~22 860~~ 19812 mm) above the lowest level of fire department vehicle access or more than 30 feet (9144 mm) below the level of exit discharge serving such floor levels shall be a smokeproof enclosure or pressurized stairway in accordance with Section 909.20 the *International Building Code*.

(80) Section 1022.2 is amended as follows:

1022.2 Use in a means of egress. Exterior exit stairways shall not be used as an element of a required means of egress for occupancies in Group I-2. For occupancies in other than Group I-2, exterior exit ramps and stairways shall be permitted as an element of a required means of egress for buildings not exceeding ~~six~~ three stories ~~or 75 feet (22 860 mm)~~ in height.

(90) Section 1024.10.2 is amended by adding exceptions #2, #3 and #4 as follows:.

1024.10.2 Single access.

Exceptions:

1. Remains Unchanged.
2. For areas serving not more than 50 occupants, the common path of travel shall not exceed 75 feet (22 860 mm).

3. For smoke-protected assembly seating, the common path of travel shall not exceed 50 feet (15,240 mm).

4. For smoke-protected assembly seating there shall not be more than 40 seats between the two aisles and the minimum clear width shall be 12 inches (305 mm) plus 0.3 (7.6 mm) for each additional seat.

(91) Sections 1026.1 through 1026.21 are deleted and replaced as follows:

1026.1 General. Means of egress in existing buildings including unaltered portions of renovated, altered or added to buildings shall comply with the International Property Maintenance Code and the 2000 NFPA 101 Life safety Code as amended by the City of Rockford.

(92) Section 1027.1 through 1027.5 are deleted and replaced as follows:

1027.1 General. The means of egress for buildings or portions thereof shall be maintained in accordance with the International Property Maintenance Code and the 2000 NFPA 101 Life safety Code as amended by the City of Rockford.

(93) 2201.1 is amended as follows:

2201.1 Scope. Automotive motor fuel-dispensing facilities, marine motor fuel-dispensing facilities, fleet vehicle motor fuel-dispensing facilities and repair garages shall be in accordance with the City of Rockford Ordinance Section 11-60, this chapter and the *International Building Code*, *International Fuel Gas Code* and the *International Mechanical Code*. Such operations shall include both operations that are accessible to the public and private operations.

(94) Section 2204.3.5 is amended as follows:

2204.3.5 Emergency procedures. An approved emergency procedures sign, in addition to the signs required by Section 2205.6, shall be posted in a conspicuous location and shall read:

<p>IN CASE OF FIRE, SPILL OR RELEASE</p> <p>1. USE EMERGENCY PUMP SHUTOFF</p> <p>2. REPORT THE ACCIDENT!</p> <p>FIRE DEPARTMENT</p> <p><u>EMERGENCY TELEPHONE NO. <u>911</u></u></p>

FACILITY ADDRESS
<hr style="width: 80%; margin: 0 auto;"/> STATION OWNER TELEPHONE NO.
<hr style="width: 80%; margin: 0 auto;"/> STATION OWNER ADDRESS

(95) Section 2204.3.8 is added as follows:

2204.3.8 Facility design and construction.

Unattended self-service stations shall be designed and constructed to include the following:

1. A dry chemical suppression system (DCFSS) with heat detection sensors located above each fuel dispensing device that activate the DCFSS. The DCFSS shall cause chemical dispersion through ground sweep nozzles located on each side of all dispenser islands and a nozzle above each fuel dispensing device. Activation of the DCFSS shall automatically disconnect electric power to all fuel dispensing pumps and dispensers.
2. Video surveillance cameras to record views of all fuel dispensing devices, the emergency disconnect switch required by Section 2203.2 and the control building. A recording device capable of storing a minimum of the immediately previous 24 hours in time labeled data on a continuous basis. Facility lighting adequate for this purpose but not to exceed that required by the City of Rockford Zoning Ordinance.
3. Overfill protection with both an audible alarm and an in tank limiting device.
4. An automatic tank monitoring system to monitor electronic line leak detectors, sump sensors, tank test and product deliveries. System shall be equipped with an automatic notification to the station owner and shall notify the owner of any tank system problem.
5. A alarm system monitoring the control building, dispensers and DCFSS that is monitored by a third party off-premise monitoring firm that maintains continuous operation (24 hours a day, 7 days a week). The third party monitoring firm shall immediately forward any emergency to the appropriate agencies.
6. A trench drainage system at a minimum slope of 1 ½% from fuel dispensing islands to provide collection point at the downhill side. System shall be connected to the sanitary sewer via a site specific engineered oil-water separator. Size of the separator shall be

determined by industry accepted standards. A valid permit for the drainage system and separator shall be obtained and maintained from the Rock River Water Reclamation District. The station shall have a comprehensive spill prevention plan to control and recover spilled product.

7. Requirements established in applicable sections of Title 41 of the Illinois Administrative Code, Chapter 1, Part 170, Storage, Transportation, Sale and use of Petroleum and other Regulated Substances where more restrictive than this code.

(96) Section 2204.4.4 is added as follows:

2204.4.4 Maximum size. No portable container larger than six gallons shall be filled with gasoline, except as dispensed directly into the fuel tanks attached to a motor vehicle. All portable containers shall comply with 430 ILCS 20/1 and the Illinois Administrative Code.

(97) Section 2204.5 is added as follows:

2204.5 Permit. Attended and unattended self service stations shall, in accordance with provisions of Section 105, require an initial construction and annual operation permit.

2204.5.1 Application. Written application on a form provided by the city shall be made to the Revenue Division of the Finance Department. All information requested on form shall be provided and accompanied by permit fee established in Section 6-15 of the City of Rockford Code of Ordinances. Permits expire on December 31 of each year. Operation permits shall be obtained on or before January 1 of each year.

2204.5.2 Approval. Upon receipt of application, the Revenue Division of the Finance Department shall forward said application to the Fire Prevention Division of the Fire department for review and approval or denial. If denied, reasons for such denial shall be listed in writing.

2204.5.3 Violations, suspension or revocation. The Fire Chief or his designee may, for violation of any local, state or federal law, code or regulation, suspend or revoke a self-service station permit. The Fire Chief shall have notice of violation served on the permit holder listing the violation(s), setting a hearing date, and advising the permit holder of his opportunity to appear

and be heard at such hearing. Said notice shall be served in person or by certified and regular first class U.S. mail to the permit holder at least five (5) days prior to the hearing. Upon conducting a hearing, the code official shall issue a written decision to be served upon the permit holder by first class U.S. mail prior to any suspension or revocation taking affect. The Fire Chief's decision shall be final.

(98) Section 2204.6 is added as follows:

2204.6 Location of self-service dispensing devices. Pumps and dispensing devises shall be not less than ten (10) feet prom a lot line and not less than five (5) feet from any building wall opening.

(99) Section 2404.15.5 is hereby deleted.

(100) 2703.5.2 is added as follows:

2703.5.2 Materials Not Listed In Standards. Where specific hazard postings are not within the standards listed in Chapter 44 of this code, the fire official shall specify a method.

(101) 2703.6 is amended as follows:

2703.6. Signs. Signs and markings required by Sections 2703.5, 2703.5.1 and 2703.5.2 shall not be obscured or removed, shall be in English as a primary language or in symbols allowed by this code, shall be durable, and the size, color and lettering shall be approved. It shall be the duty of the owner, lessee, or person in control of premises to procure and post hazard identifications signs as specified in this section.

(102) Section 3401.1 is amended as follows:

3401.1 Scope and application. Prevention control and mitigation of dangerous conditions related to storage, use, dispensing, mixing and handling of flammable and combustible liquids shall be in accordance with all regulations set forth by the State of Illinois, Chapter 27 and this chapter. In the event of a conflict, the State of Illinois requirements shall take precedence.

(103) Section 3401.4.1 is added as follows:

Section 3401.4.1 A permit shall be required to remove, abandon, place temporarily out of service or otherwise dispose of any flammable or combustible liquid storage tank and piping. Failure to meet the requirements of this section gives the City of Rockford the authority to have all tanks removed and a lien placed against the property owner to recover the cost.

(104) Appendix A is hereby deleted.

(105) Appendix D, Section D103.1 is amended as follows:

D103.1 Access road width with a hydrant. Where a fire hydrant is located on a fire apparatus access road, the minimum road width shall be 26 feet (7925 mm) for a distance of 20 feet (6096 mm) in each direction from the hydrant along the length of the access road. See Figure D103.1.

Delete Figure D103.1.

(106) Section D103.4 is amended as follows:

D103.4 Dead ends. Dead-end fire apparatus access roads in excess of 150 feet (45 720 mm) shall be provided with ~~width and turnaround provisions in accordance with Table D104.4~~ a turnaround or outlet at the closed end of at least ninety feet (27 432 mm) in diameter.

Delete Table D103.4.

(107) Section D103.6 is amended as follows:

D103.6 Signs. Where ~~required by the code official,~~ fire apparatus access roads are required by Section 503 or Appendix D, they shall be marked with permanent NO PARKING-FIRE LANE signs complying with ~~Figure D103.6~~ City of Rockford specifications. ~~Signs shall have a minimum dimension of 12 inches (305 mm) wide by 18 inches (457 mm) high and have red letters on a white reflective background.~~ Signs shall be posted on one or both sides of the fire apparatus road as required by Section D103.6.1 or D103.6.2. Spacing of signs shall be at a maximum of 75 feet (22 860 mm) or at the discretion of the code official. New signs and existing signs that are unservicable due to damage or weathering shall be installed or replaced at the expense of the property owner.

The provisions and sections of the Ordinance shall be deemed severable, and the invalidity of any portion of this Ordinance shall not affect the validity of the remainder.

All orders, resolutions, or ordinances in conflict herewith are hereby repealed insofar as such conflict exists, and this Ordinance shall take effect immediately upon its passage, approval and publication as required by law.

A full, true and complete copy of this Ordinance shall be published within ten (10) days after passage in pamphlet form by and under authority of the Corporate Authorities.

APPROVED:

MAYOR

ATTESTED:

LEGAL DIRECTOR

PASSED:

APPROVED:

PUBLISHED:

ATTESTED and FILED in my office this _____ day of _____, 20____, and published in pamphlet form this _____ day of _____, 20____.

Legal Director and ex officio
Keeper of the Records and Seal

Published in pamphlet form this _____ day of _____, 20____, by order of the City Council of the City of Rockford, Illinois.