

AN ORDINANCE
ADOPTING THE INTERNATIONAL FIRE CODE 2015
AS THE FIRE PREVENTION CODE OF THE CITY OF ELGIN

WHEREAS, the City of Elgin is a home rule unit pursuant to the Constitution of the State of Illinois and, as a home rule unit, may exercise any power and perform any function pertaining to its government and affairs; and

WHEREAS, the regulation of building and construction activities within the City with respect to safeguarding life and property from fire and explosion hazards relates to the public health, safety and welfare, and pertains to the government and affairs of the City.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ELGIN, ILLINOIS:

Section 1. That Chapter 16.28, entitled “Fire Prevention Code,” of the Elgin Municipal Code, 1976, as amended, be and is hereby repealed.

Section 2. That Chapter 16.28, entitled “Fire Prevention Code,” be and is hereby added to the Elgin Municipal Code, 1976, as amended, to read as follows:

“Chapter 16.28
FIRE PREVENTION CODE

Section:

- 16.28.010 Adopted-Exceptions.
- 16.28.020 Fire Prevention Bureau.
- 16.28.030 Addition, Insertions, and Changes.
- 16.28.040 New Materials, Processes, or Occupancies Which May Require Permits.
- 16.28.050 Conflicts with other Provisions

16.28.010: ADOPTED; EXCEPTIONS:

A certain document, one (1) copy of which is on file in the office of the City Clerk, being marked and designated as the *International Fire Code 2015* as published by the International Code Council, be and is hereby adopted as and shall be known as the Fire Prevention Code of the City for establishing minimum regulations regulating and governing the safeguarding of life and property from fire and explosion hazards arising from the storage, handling, and use of hazardous substances, materials and devices, and from conditions hazardous to life or property in the occupancy of buildings and premises; and each and all of the regulations, provisions, penalties, conditions and terms of said *International Fire Code 2015* are hereby referred to, adopted, and made a part hereof, as if fully set out in this chapter, with the additions, insertions, deletions and changes prescribed in this chapter.

16.28.020: FIRE PREVENTION BUREAU:

- A. The fire code shall be enforced by the Fire Prevention Bureau of the City of Elgin Fire Department, sometimes referred to in this chapter as the Fire Department, which is established and which shall be operated under the supervision of the Chief of the Fire Department.
- B. The Fire Marshal in charge of the Fire Prevention Bureau shall be appointed by the City Manager upon the recommendation of the Chief of the Fire Department on the basis of his or her qualifications.
- C. The Chief of the Fire Department may detail such members of the Fire Department as inspectors as shall from time to time be necessary. The Chief of the Fire Department shall recommend to the City Manager the employment of technical inspectors.
- D. A report of the Fire Prevention Bureau shall be made annually and transmitted to the mayor. It shall contain all proceedings under this chapter with such statistics as the Chief of the Fire Department may wish to include therein. The Chief of the Fire Department shall also recommend any amendments to this chapter which, in his judgment, shall be desirable.

16.28.030: ADDITIONS, INSERTIONS, AND CHANGES:

The *International Fire Code 2015* is amended and revised in the following respects:

Section 102.3, entitled Change of use or occupancy, shall be amended to read as follows:

The provisions of Title 16 of the Elgin Municipal Code, 1976, as amended, shall apply to all buildings undergoing a change of occupancy.

Section 102.4, entitled Application of Building Code, shall be amended to read as follows:

The design and construction of new structures shall comply with the provisions of Title 16 of the Elgin Municipal Code, 1976, as amended. Repairs, alterations and additions to existing buildings shall comply with the provisions of Title 16 of the Elgin Municipal Code, 1976, as amended.

Section 102.5, entitled Application of Residential Code, shall be amended to read as follows:

Where structures are designed and constructed in accordance with *International Residential Code 2015*, as amended by Chapter 16.36 of the Elgin Municipal Code, 1976, as amended, the provisions of this code shall apply as follows:

1. Construction and design provisions: Provisions of this code pertaining to the exterior of the structure shall apply including, but not limited to, premises identification, fire apparatus access and water supplies. Where interior or exterior systems or devices are installed, construction permits required by Section 105.7 of this code shall also apply.

2. Administrative, operational and maintenance provisions: All such provisions of this code shall apply.

Section 102.6, entitled Historic Buildings, shall be amended to read as follows:

The construction, alteration, repair, enlargement, restoration, relocation or movement of existing buildings or structures that are designated as historic buildings when such buildings or structures do not constitute a distinct hazard to life or property shall be in accordance with the provisions of Title 16 of the Elgin Municipal Code, 1976, as amended.

Section 102.7, entitled Referenced Codes and Standards, shall be amended to read as follows:

The codes and standards referenced in this code shall be those that are listed in chapter 80, as amended and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such code. Where differences occur between the provisions of this code and the referenced standards, the most stringent code application shall apply.

Exception:

The NFPA 101, Life Safety Code, 2012 Edition, as amended by Chapter 16.29 of the Elgin Municipal Code, as amended, shall govern minimum requirements for areas covered by NFPA 101 that are not directly addressed in this code, or with regard to life safety requirements that are not within the scope of this code.

The title of Section 103, entitled “Department of Fire Prevention,” shall be amended to read “Fire Prevention Bureau.”

Section 103.1, entitled General, shall be amended to read as follows:

The Fire Prevention Bureau may be referred to as the department of fire prevention for the purposes of this code and the Fire Marshal may be referred to as the fire code official for the purpose of this code. Any references to the terms fire code official, officer, deputy fire officer, or other technical officer or inspector in this code shall also include the authorized designee of the Fire Chief.

Section 105.1.2, entitled Types of Permits, subparagraph 2, shall be amended to read as follows:

1. Construction permit. A construction permit shall allow the applicant to install or modify systems and equipment for which a permit is required by section 105.7 of this chapter and/or as required by Title 16 of the Elgin Municipal Code, 1976, as amended.

Section 105.1.6 Annual permit, shall be deleted in its entirety.

Section 105.1.6.1 Annual permit records, shall be deleted in its entirety.

Section 105.6.4 Carbon dioxide systems used in beverage dispensing applications, shall be amended to read as follows:

An initial one-time operational permit is required for carbon dioxide systems used in beverage dispensing applications having more than 100 pounds of carbon dioxide. A system inspection record shall be maintained on site for review by fire department personnel during their annual inspection of the facility.

Section 105.6.28 LP-gas, subparagraph no. 1 shall be amended to delete the “Exception to said subparagraph no. 1.

Section 105.6.31 Motor fuel-dispensing facility, shall be amended to read as follows:

An initial one-time operational permit is required for the operation of automotive, marine and fleet motor fuel-dispensing facilities.

Section 105.6.45 Temporary membrane structures and tents, shall be amended to add Exception no. 3 as follows:

3. Temporary private residential recreational use of “bouncy houses” and similar structures will not require a permit for installation and use for a period of time not to exceed 72 hours.

Section 105.7, entitled Required Construction Permits, shall be amended to read as follows:

The building official, and/or the fire code official are authorized to issue construction permits for work as set forth in sections 105.7.1 through 105.7.18 of this chapter.

Section 108, entitled Board of Appeals (sections 108.1 through 108.3, inclusive), shall be deleted in its entirety.

Section 109.2, entitled Owner/Occupant Responsibility, shall be amended to read as follows:

Correction and abatement of violations of this code shall be the responsibility of the owner. If an occupant creates, or allows to be created, hazardous conditions in violation of this code, the occupant shall also be held responsible for the abatement of such hazardous conditions.

Section 109.4, entitled Violation Penalties, shall be amended to read as follows:

Any persons who shall violate a provision of this chapter 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 directives of the fire code official or of a permit or certificate used under provisions of this chapter, shall be subject to fines and/or penalties

as prescribed by chapter 1.20 of the Elgin Municipal Code, 1976, as amended. Each day that a violation continues shall be deemed a separate offense.

Section 111.2, entitled Issuance, shall be amended to read as follows:

A stop work order shall be in writing and state the reason for the issuance of the order. A stop work order shall be posted on the property where the violation exists and all persons working in the building or structure at that time of the posting of the stop work order shall be notified that a stop work order was posted. Upon issuance of a stop work order, the cited work shall immediately cease.

Section 111.4, entitled Failure to Comply, shall be amended to read as follows:

Any person who shall continue any work after a work stop order has been properly issued, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be subject to fines and/or penalties as prescribed by chapter 1.20 of the Elgin Municipal Code, 1976, as amended. Each day that a violation continues shall be deemed a separate offense.

Section 307.1, entitled General, shall be amended to read as follows:

A person shall not kindle or maintain or authorize to be kindled or maintained any open burning unless conducted and approved in accordance with this section and section 9.28.130 of the Elgin Municipal Code, 1976, as amended.

Section 307.4, entitled Location, shall be deleted in its entirety.

Section 307.4.1, entitled Bonfires, shall be deleted in its entirety.

Section 307.4.2, entitled Recreational Fires, shall be deleted in its entirety.

Section 307.4.3, entitled Portable outdoor fireplaces, shall be deleted in its entirety.

Section 307.5, entitled Attendance, shall be deleted in its entirety.

Section 311.6 Unoccupied tenant spaces in mall buildings, subparagraph no. 1 shall be amended to read as follows:

1. Kept free from the storage of any combustible items or materials.

Section 312.3, entitled Other Barriers, shall be amended to read as follows:

Physical barriers that do not meet the criteria as detailed in section 312.2 of this chapter shall be a minimum of 36 inches in height and shall resist a force of 12,000 pounds applied 36 inches above the adjacent ground surface. Approval for installation of other barriers

require the submittal of acceptable documentation proving they meet the required capabilities and must be approved in writing by the Fire Code Official prior to installation.

Section 403.2.2 Announcements, shall be amended to read as follows:

In theaters, motion picture theater, auditoriums and similar assembly occupancies in Group A used for noncontinuous programs, an audible announcement shall be made not more than five (5) minutes prior to the start of each program to notify the occupants of the location of the exits to be used in the event of a fire or other emergency.

Exception: In motion picture theaters, the announcement is allowed to be projected upon the screen in a manner approved by the fire code official.

Section 505.1, entitled Address Numbers, shall be amended to read as follows:

New and existing buildings shall have approved 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. These numbers shall contrast with their background. Address numbers shall be Arabic numerals. Numbers shall be a minimum of 5 inches high with a minimum stroke width of 0.5 inch.

Section 506.01, entitled Key Boxes, shall be created to be added immediately prior to section 506.1, and to read as follows:

All structures and facilities under the scope of this section 506 shall be required to install a Suprasafe rapid entry system key box near the main entrance. Structures containing sprinkler rooms and/or fire alarm panels shall install the key box at the entrance granting the closest proximity to the fire alarm panel or sprinkler room as approved by the Fire Code Official.

Section 507.5.1 Where required, shall be amended to read as follows:

Where a portion of a facility or building hereafter constructed or moved into or within the jurisdiction, is more than 400 feet from a fire hydrant or fire apparatus access road if residential or commercial (building equipped throughout with an approved automatic fire sprinkler system in accordance with Section 903.3.1.1), or is more than 600 feet from a fire hydrant or fire apparatus access road an industrial (building equipped throughout with an approved automatic fire sprinkler system in accordance with Section 903.3.1.1), as measured by an approved route around the exterior of the facility or building, on-site fire hydrants and mains shall be provided where required by the fire code official.

Exception: For Group R-3 and Group U occupancies, the distance requirement shall be 600 feet (183 m).

Section 605.11.1.2.5 Allowance for smoke ventilation operations, shall be amended to delete the exception.

Section 609.2 Where required, shall be amended to delete the exception.

Section 901.4.6, entitled Pump and riser room size, shall be amended to read as follows:

Fire pump and automatic sprinkler system riser rooms shall be designed with adequate space for all equipment necessary for the installation, as defined by the manufacturer, with sufficient working room around stationary equipment. Clearances around equipment to elements of permanent construction, including other installed equipment and appliances, shall be sufficient to allow inspection, service, repair or replacement without removing such elements of permanent construction or disabling the function of a required fire-resistance-rated assembly. Fire pump and automatic sprinkler system riser rooms shall be provided with an exterior door large enough to allow removal of the largest piece of equipment.

Section 901.4.6.1, entitled Pump and riser room separation, shall be created to read as follows:

A minimum 1-hour fire-rated separation shall be provided for all fire pump and sprinkler riser rooms.

Section 901.8.2 Removal of existing occupant-use hose lines, shall be amended to read as follows:

The fire code official is authorized to permit the removal of all existing occupant-use hose lines where all of the following conditions exist:

1. Installation is not required by this code or the *International Building Code 2015* as amended by Chapter 16.04 of the Elgin Municipal Code, 1976, as amended.
2. The hose line would not be utilized by trained personnel or the fire department.
3. The remaining outlets are compatible with local fire department fittings.

Section 903.2.01, entitled Automatic Sprinkler System, shall be created to be added immediately following the Exception set forth in section 903.2, and to read as follows:

An approved automatic sprinkler system shall be installed in every building more than four (4) stories in height; or where the floor of the upper most story is fifty (50) feet or more above the lowest level of fire department vehicle access. For the purposes of this section, basements shall be included as stories. An approved automatic sprinkler system shall be installed in buildings less than five (5) stories in height as provided in this chapter.

Section 903.2.02, entitled Use Group B, shall be created to be added immediately following section 903.2.01, and to read as follows:

In all buildings with a Use Group B fire area, an approved automatic fire sprinkler system shall be provided as follows:

1. Throughout all buildings with a Use Group B fire area having more than 7500 square feet in area; or
2. In buildings having two (2) stories where the combined total area of the two (2) floors exceeds 10,000 square feet; or
3. In buildings having three (3) stories regardless of the square footage of each floor.

Section 903.2.1.1, entitled Use Group A-1, shall be amended to read as follows:

An automatic sprinkler system shall be provided throughout the entire building in all buildings containing a Use Group A-1 fire area.

Section 903.2.1.2, entitled Use Group A-2, shall be amended to read as follows:

Where a Use Group A-2 fire area exceeds 3000 square feet in area; or is located either above or below the level of exit discharge of exits that serve the Use Group A-2 fire area, an approved automatic fire suppression system shall be provided as follows:

1. Throughout the entire story or floor level where the Use Group A-2 fire area is located.
2. Throughout all stories and floor levels below the Use Group A-2 fire area.
3. Throughout all intervening stories and floor levels between the Use Group A-2 fire area and the level of exit discharge of exits that serve the Use Group A-2 fire area, including the level of exit discharge.

Section 903.2.1.3, entitled Use Group A-3, shall be amended to read as follows:

Where a Use Group A-3 fire area exceeds 5000 square; or is located either above or below the level of exit discharge of exits that serve the Use Group A-3 fire area, an approved automatic fire suppression system shall be provided as follows:

1. Throughout the entire story or floor level where the Use Group A-3 fire area is located.
2. Throughout all stories and floor levels below the Use Group A-3 fire area.
3. Throughout all intervening stories and floor levels below the Use Group A-3 fire area and the level of exit discharge of exits that serve the Use Group A-3 fire area, including the level of exit discharge.

Section 903.2.1.4, entitled Use Group A-4, shall be amended to read as follows:

Where a Use Group A-4 fire area exceeds 5000 square feet in area; or is located either above or below the level of exit discharge of exits that serve the Use Group A-4 fire area, an approved automatic fire sprinkler system shall be provided as follows:

1. Throughout the entire story or floor level where the Use Group A-4 fire area is located.

2. Throughout all stories and floor levels below the Use Group A-4 fire area.
3. Throughout all intervening stories and floor levels below the Use Group A-4 fire area and the level of exit discharge of exits that serve the Use Group A-4 fire area, including the level of exit discharge.

Section 903.2.3, entitled Use Group E, shall be amended to read as follows:

Where a Use Group E fire area exceeds 5000 square feet in area; or is located either above or below the level of exit discharge of exits that serve the Use Group E fire area, an approved automatic fire sprinkler system shall be provided as follows:

1. Throughout the entire story or floor level where the Use Group E fire area is located.
2. Throughout all stories and floor levels below the Use Group E fire area.
3. Throughout all intervening stories and floor levels below the Use Group E fire area and the level of exit discharge of exits that serve the Use Group E fire area, including the level of exit discharge.

Section 903.2.4, entitled Use Group F-1, shall be amended to read as follows:

In all buildings with a Use Group F-1 fire area or a Use Group F-2 fire area, an approved automatic fire suppression system shall be provided as follows:

1. Throughout all buildings with a Use Group F-1 or F-2 fire area having more than 7500 square feet in area; or
2. In buildings having two (2) stories where the combined total area of the two (2) floors exceed 10,000 square feet; or
3. In buildings having three (3) stories regardless of the square footage of each floor; or
4. In buildings with a Group F-1 occupancy used for the manufacture of upholstered furniture or mattresses which exceeds 2,500 square feet.

Section 903.2.6, entitled Use Group I, shall be amended to delete Exception no. 3.

Section 903.2.7, entitled Use Group M, shall be amended to read as follows:

In all buildings with a Use Group M fire area, an approved automatic fire sprinkler system shall be provided as follows:

1. Throughout all buildings with a Use Group M fire area having more than 7500 square feet in area; or

2. In buildings having two (2) stories where the combined total area of the two (2) floors exceed 10,000 square feet; or
3. In buildings having three (3) stories regardless of the square footage; or
4. In buildings with a Group M occupancy used for the display and sale of upholstered furniture or mattresses which exceeds 5,000 square feet.

Section 903.2.8.1 Group R-3, shall be amended to read as follows:

Where a one- and two-family dwelling and/or a townhouse is to be located upon land that was located within the City of Elgin as of the adoption date of this ordinance, such one- and two-family dwelling shall include fire sprinkler protection in the basement area only. This fire sprinkler system can be part of the domestic water system, without backflow prevention, as long as the system is a looped system with no dead-ends in excess of 2 feet.

Exceptions:

1. When wood I-joists or open web trusses are used and protected with a ½-inch gypsum wallboard membrane, 5/8-inch wood structural membrane, or equivalent on the underside of the floor framing member.
2. Wood floor assemblies using dimensional lumber or structural composite lumber equal to or greater than 2-inch by 10-inch nominal dimension, or other approved floor assemblies demonstrating equivalent fire protection.
3. An automatic residential fire sprinkler system shall not be required when additions or alterations are made to existing one- and two-family dwellings that do not have an automatic residential fire sprinkler system installed.
4. Factory applied “Flac Jacket” to the wood I-joist is an approved alternate as required by #1 or #2 above with the following notation:

(If the wood I-joist with Flac Jacket protection has been exposed to temperatures sufficient to activate the coating, the product should no longer be used as the structural capacity and fire endurance may have been compromised. In such a case, an evaluation report from a licensed architect or structural engineer will be required to determine appropriate repairs).

In all such instances above, the general contractor shall be responsible for ensuring that the homeowner is advised of the availability and benefits of a full automatic fire sprinkler system (NFPA 13D compliant). Such notification shall be on a form provided by the City of Elgin and include the printed name and signature of the homeowner.

Where a one- and two-family dwelling is to be located upon land annexed to the City of Elgin after the adoption date of this ordinance, a full fire sprinkler system shall be required,

installed in accordance with NFPA 13D. This system shall include backflow protection by use of a double check valve.

Section 903.2.9, entitled Use Group S-1, shall be amended to read as follows:

In all buildings with a Use Group S-1 fire area, an approved automatic fire sprinkler system shall be provided as follows:

1. Throughout all buildings with a Use Group S-1 fire area having more than 7500 square feet in area; or
2. In buildings having two (2) stories where the combined total area of the two (2) floors exceed 10,000 square feet; or
3. In buildings having three (3) stories regardless of the square footage of each floor; or
4. In buildings with a Group S-1 occupancy used for the storage of upholstered furniture or mattresses which exceeds 2,500 square feet.

Section 903.2.9.1, entitled Repair Garages, subparagraph 2 shall be amended to read as follows:

2. One-story buildings with a fire area containing a repair garage exceeding 7500 square feet.

Section 903.2.10, Group S-2, shall be amended to read as follows:

In all buildings with a Use Group S-2 fire area, an approved automatic fire suppression system shall be provided as follows:

1. Throughout all buildings with a Use Group S-2 fire area having more than 7,500 square feet in area;
2. In buildings with two (2) stories if the combined total area of two (2) floors exceed 10,000 square feet; or
3. In buildings with three (3) or more stories regardless of square footage of each floor.

An automatic sprinkler system shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.4 of Chapter 16.04 of the Elgin Municipal Code, 1976, as amended or where located beneath other groups.

Exception: Enclosed parking garages located beneath Group R-3 occupancies as applicable in Section 101.2 of Chapter 16.04 of the Elgin Municipal Code, 1976.

Section 903.3.5, entitled Water supplies, shall be amended to read as follows:

Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in Section 903.3.1. The potable water supply shall be protected

against backflow in accordance with the requirements of this section and the State of Illinois Plumbing Code, as amended by Chapter 16.20 of the Elgin Municipal Code, 1976, as amended. Hydrant water flow data used for the design of any sprinkler system shall be no more than 1 year old. A minimum 10% safety factor shall be provided in the fire protection system hydraulic calculations. On each drawing, copy of the hydraulic nameplate for each hydraulically calculated area shall be provided.

Section 903.3.5.1, entitled Domestic Services, shall be amended to read as follows:

A domestic service shall not provide the water supply to the sprinkler system of any building or structure.

Exception: Single water supply and combination systems may be utilized in conjunction with a residential fire sprinkler system as part of a looped system where such a system is permitted under applicable provisions of Chapter 16.36 of the Elgin Municipal Code, 1976, as amended.

Section 903.3.7, entitled Fire Department Connection, shall be amended to read as follows:

The location of fire department connections shall be approved by the fire code official. The fire department connection shall be identified by the addition of an exterior electrically operated audible and visual blue strobe alarm device as outlined in section 903.4.2 of this chapter. All fire department connections shall be a NST 4" *Storz* connection with a 30 degree downturn (*Storz* type only).

Section 903.3.8.1 Number of sprinklers, shall be amended to read as follows:

Limited area sprinkler systems shall not exceed twenty sprinklers in any single fire area.

Section 903.4.2, entitled Alarms, shall be amended to read as follows:

An approved audible device, located on the exterior of the building in an approved location, shall be connected to every automatic sprinkler system. In addition, alarm-indicating audio/visual devices shall be seen and heard within all areas of the building. Sprinkler water-flow devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system. Where automatic fire sprinklers provide protection to an area with an approved flow switch interconnected to the fire alarm system, a white strobe shall be installed at each multi-system sprinkler riser. The electrically operated audible and visual blue strobe device (see amended Section 903.3.7) shall operate in conjunction with the fire alarm system activation.

Section 903.4.2.1, entitled Test valves, shall be created to be added immediately following section 903.4.2, and to read as follows:

Fire sprinkler system inspector test valves shall be accessible at all times and located no more than 6 feet above finished floor. On multiple riser systems, test valves shall be marked as to which riser and area it tests.

Section 903.4.3, entitled Floor control valves, shall be amended to read as follows:

Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor of all multiple story buildings.

Section 904.11.01, entitled Non-compliant Commercial Cooking Systems, shall be created to be added immediately following section 904.11, and shall read as follows:

Any non-compliant dry-chemical extinguishing systems currently being utilized shall be upgraded to a UL 300 approved wet-chemical system not later than January 1, 2010 and municipalities January 1, 2011.

Section 904.13 Domestic cooking systems in Group I-2 Condition 1, shall be amended to read as follows:

In Group I-2 Condition 1, occupancies where cooking facilities are installed in accordance with Section 407.2.6 of the *International Building Code 2015*, as amended by Chapter 16.04 of the Elgin Municipal Code, as amended, the commercial cooking hood provided over the cooktop or range shall be equipped with an automatic fire-extinguishing system of the type recognized for protection of the domestic cooking equipment. Preengineered automatic extinguishing systems shall be tested in accordance with UL 300A and listed and labelled for the intended application. The system shall be installed in accordance with this code, its listing and the manufacturer's instructions.

Section 905.3.1, entitled Height, the exceptions shall be deleted and the text of said section shall be amended to read as follows:

Class III standpipe systems shall be installed throughout buildings where the floor level of the highest story is more than 2 stories and/or 26 feet above the lowest level of fire department vehicle ground access, or where the floor level of the lowest story is more than 2 stories and/or 26 feet below the highest level of fire department vehicle ground access.

Section 905.3.9, entitled Storage warehouses, shall be created to read as follows:

In all warehouse storage areas exceeding 50,000 square feet or where storage exceeds 12 feet high, interior 2 ½" fire hose valves with a 1 ½" reducer to a 1 ½" hose connection shall be provided. Valves shall be located at each exterior door to the warehouse and/or storage area. The location of all obstructions and/or rack storage shall be shown on any plans. Where the system pressure exceeds 100 psi, a "Potter" reduced pressure adjustable type valve shall be provided

Section 907.1.4, entitled Control/Annunciator panels, shall be created to read as follows:

All fire alarm control panels or full function annunciator panels shall be installed within 10 feet of the building main entrance, sprinkler room or in a location approved by the fire code official.

Section 907.2.01, entitled Fire Alarm Application, shall be created to be added immediately following the Exceptions set forth in section 907.2, and to read as follows:

Notwithstanding other provisions within section 907.2, fire alarm systems shall be installed in all buildings or tenant spaces of 2,500 square feet or more where automatic fire sprinkler systems are not installed.

Section 907.2.3, entitled Group E, shall be amended to delete each designated exception within that section.

Section 907.2.7, entitled Group M, shall be amended to read as follows:

A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group M occupancies where one of the following conditions exists:

1. The combined Group M occupant load of all floors is 500 or more persons.
2. The Group M occupant load is more than 100 persons above or below the lowest level of exit discharge.

Multi-tenant Use Group M buildings will be “ring/alert by tenant,” activated by the fire pull station/automatic fire detection, and shall include a weatherproof clear outside strobe over the entrance to each tenant space as directed by the fire code official. All outside strobes to be a minimum 75 candela.

Exceptions:

1. A manual fire alarm system is not required in covered or open mall buildings complying with Section 402.
2. A manual fire alarm box shall be required in all buildings when equipped with a fire alarm system and automatic fire sprinkler system.

Section 907.3.1, entitled Duct smoke detectors, shall be amended to read as follows, the Exceptions to said section remaining as published:

Duct smoke detectors shall be connected to the building's fire alarm control panel when a fire alarm system is provided. Activation of a duct smoke detector shall initiate a visible and audible supervisory signal at a constantly attended location. Duct smoke detectors shall not be used as a substitute for required open-area detection. Duct smoke detectors shall be located as provided in sections 606.2.1, 606.2.2, 606.2.3 and 606.3 of the International Mechanical Code 2012, as amended by chapter 16.32 of the Elgin Municipal Code, 1976, as amended.

Section 912.1.1, entitled Connection types, shall be created to be added immediately following section 912.1, and to read as follows:

All fire department connections shall be a NST 4" *Storz* connection with a 30 degree downturn (*Storz* type only).

Section 913.1.1, entitled Test outlet valves, shall be created to be added immediately following section 913.1, and to read as follows:

An OS & Y control valve shall be provided on all fire pump test headers.

Section 1010.1.9.9, entitled Electromagnetically Locked Egress Doors, shall be amended to read as follows:

Doors in the means of egress that are not otherwise required to have panic hardware in buildings with an occupancy in Group A, B, E, M, R-1 or R-2, and doors to tenant spaces in Group A, B, E, M, R-1 or R-2, shall be permitted to be electromagnetically locked if equipped with listed hardware that incorporates a built-in switch and meets the requirements below:

1. The listed hardware that is affixed to the door leaf has an obvious method of operation that is readily operated under all lighting conditions.
2. The listed hardware is capable of being operated with one hand.
3. Operation of the listed hardware releases to the electromagnetic lock and unlocks the door immediately.
4. Loss of power to the listed hardware automatically unlocks the door.
5. Upon activation of the fire alarms system, the listed hardware will immediately unlock the door. Upon reset of the alarm system, the listed hardware will reset/relock the door.

Section 1025, entitled Luminous Egress Path Markings (sections 1025.1 through 1025.5, inclusive), shall be deleted in its entirety.

Section 1103.5.1 Group A-2, shall be amended to read as follows:

An automatic sprinkler system shall be installed in accordance with Section 903.3.1.1 throughout existing buildings or portions thereof used for Group A-2 occupancies with a fire area of more than 3,000 square feet.

Section 1103.5.4 Pyroxylin plastics, shall be amended to read as follows:

An automatic sprinkler system shall be provided throughout existing buildings where cellulose nitrate film or pyroxylin plastics are manufactured, stored or handled. Vaults located within buildings for the storage of raw pyroxylin shall be protected with an approved automatic sprinkler system in accordance with NFPA 13 over the area of the vault.

Section 1103.7.1, entitled Use Group E, shall be amended to delete each designated exception within that section.

Section 2306.2.3, entitled Above-Ground Tanks Located Outside, Above Grade, shall be amended to read as follows:

Above-ground tanks shall not be used for the storage of Class I, II or III liquid motor fuels, except as provided by this section.

1. Above-ground tanks used for outside, above-grade storage of Class I liquids shall be listed and labeled as protected above-ground tanks in accordance with UL 2085 and shall be in accordance with Chapter 57. Such tanks shall be located in accordance with Section 2306.2.3.01 of this Chapter.
2. Above-ground tanks used for outside, above-grade storage of Class II or IIIA liquids shall be listed and labeled as protected above-ground tanks in accordance with UL 2085 and shall be installed in accordance with Chapter 57. Tank locations shall be in accordance with Section 2306.2.3.01 of this Chapter.

Exception: Other above-ground tanks that comply with Chapter 57 where approved by the fire code official.

3. Tanks containing fuels shall not exceed 2,500 gallons in individual capacity or 5,000 gallons in aggregate capacity. Above ground storage tanks shall be limited to two (2) such tanks at any location constituting a single “zoning lot” within the meaning of that term in Title 19 of the Elgin Municipal Code, 1976, as amended.
4. Tanks located at farms, construction projects, or rural areas shall comply with Section 5706.2.
5. Above-ground tanks used for outside above-grade storage of Class IIIB liquid motor fuel shall be listed and labeled in accordance with UL 142 or listed and labeled as protected above-ground tanks in accordance with UL 2085 and shall be installed in

accordance with Chapter 57. Tank locations shall be in accordance with Section 2306.2.3.01 of this Chapter.

Table 2306.2.3 shall be deleted in its entirety.

Section 2306.2.3.01, entitled Minimum Separation Requirements for Above-Ground Tanks, shall be created to be added immediately following section 2306.2.3, and read as follows:

All above-ground tanks, tanks in special enclosures, or tanks in vaults shall meet the following criteria:

1. Individual tanks shall not exceed 2,500 gallons in individual capacity or 5,000 gallons in aggregate capacity. Above ground storage tanks shall be limited to two (2) such tanks at any location constituting a single zoning lot within the meaning of this code.
3. Each above-ground tank, vault, or special enclosure shall be separated from any building, lot line, other tank, or public way by not less than a twenty (20) foot distance.
4. Each above-ground storage tank, vault, or special enclosure shall be surrounded by a clear accessible space no less than three (3) feet in width to allow for maintenance and inspection.

Section 2306.2.4, entitled Above-Ground Tanks Located in Above-Grade Vaults or Below-Grade Vaults (sections 2306.2.4.1 and 2306.2.4.2, inclusive), shall be deleted in its entirety.

Section 2306.2.6, entitled Special Enclosures, subparagraph 6, shall be amended to read as follows:

6. Tanks containing Class I, II, or IIIA liquids inside a special enclosure shall not exceed 2,500 gallons in individual capacity or 5,000 gallons in aggregate capacity.

Section 2306.7.7.2, entitled Location, shall be amended to read as follows:

Remote pumps installed above grade, on the exterior of buildings, shall be located not less than twenty (20) feet from lot lines, buildings, other tanks, or public ways. Pumps shall not be allowed to be installed inside of buildings without written authorization from the Fire Code Official. Pumps shall be substantially anchored and protected against physical damage.

Section 2307.4, Location of dispensing operations and equipment, subparagraph no. 5, shall be amended to read as follows:

5. More than 25 feet (7620 mm) from public streets, highways, thoroughfares, sidewalks and driveways unless approved by the authority having jurisdiction over the same.

Section 2806.3 Pile stability, shall be amended to read as follows:

Log and pole piles shall be stabilized in accordance with plans designed by a licensed engineer and approved by the fire or building code official.

Section 3105.2 Approval, shall be amended to read as follows:

Temporary stage canopies in excess of 400 square feet (37 m²) shall not be erected, operated or maintained for any purpose without first submitting a plan, obtaining approval and being issued a permit from the fire code official and the building official.

Section 3206.6.1.1 Number of doors required, shall be amended to read as follows:

Not less than one access door shall be provided in each 100 linear feet (30,480 mm) or fraction thereof, of the exterior walls that face required fire apparatus access roads. The required access doors shall be distributed such that the lineal distance between adjacent access doors does not exceed 100 feet (30,480 mm). There shall be a minimum of one access door required on all sides of the building.

Section 3304.3, entitled Open Burning, shall be amended to read as follows:

Open burning shall be conducted only in accordance with section 307 of this chapter.

Section 5704.2.9.01, entitled Installation of Above-Ground Tanks, shall be created to be added immediately following section 5704.2.9, and to read as follows:

All above-ground storage of flammable and combustible liquids in tanks shall be installed on a solid and level concrete pad, designed and capable of supporting the full weight of the tank and contents.

Exception: Temporary tanks that will remain in place for less than ninety (90) days.

Section 5704.2.9.6.1, entitled Locations Where Above-Ground Tanks are Prohibited, shall be amended to read as follows:

Above-ground storage tanks shall not be located in any manner constituting a threat to life or property as deemed by the Fire Code Official. The location of above-ground storage tanks shall comply with the provisions of Title 19 of the Elgin Municipal Code, 1976, as amended and any other requirement provided by law.

Section 5706.2.4.4, entitled Locations Where Above-Ground Tanks are Prohibited, shall be amended to read as follows:

Above-ground storage tanks shall not be located in any manner constituting a threat to life or property as deemed by the Fire Code Official. The location of above-ground storage tanks shall comply with the provisions of Title 19 of the Elgin Municipal Code, 1976, as amended and any other requirement provided by law.

Section 6101.3, entitled Construction Documents, shall be amended to read as follows:

1. Where a single container is more than 30 gallons in water capacity or the aggregate capacity of containers is more than 60 gallons in water capacity, the installer shall gain approval from the Fire Code Official for such use. The Fire Prevention Bureau shall be notified at least twenty-four (24) hours in advance of any installation or abandonment of such systems.
2. Plans shall be submitted to the Office of the Illinois State Fire Marshal and the Elgin Fire Prevention Bureau before construction and installation of storage containers over 2,000 gallons individual water capacity or when the aggregate water capacity exceeds 4,000 gallons.
3. Plans shall be submitted to the Office of the Illinois State Fire Marshal and the Elgin Fire Prevention Bureau before construction and installation of storage containers over 500 gallons individual water capacity or when the aggregate water capacity exceeds 1000 gallons.

Section 6104.2, entitled Maximum Capacity Within the Established Limits, shall be deleted in its entirety.

Appendix A, entitled Board of Appeals, shall be deleted in its entirety.

Appendix B, entitled Fire-flow Requirements for Buildings, shall be adopted in its entirety.

Appendix C, entitled Fire Hydrant Locations and Distribution, shall be adopted in its entirety with the following amendment.

Section C103.1 Hydrant spacing, shall be amended to read as follows:

Fire apparatus access roads and public streets providing required access to buildings in accordance with Section 503 of the *International Fire Code 2015*, as amended by Chapter 16.28 of the Elgin Municipal Code, as amended shall be provided with one or more fire hydrants, as determined by Section C102.1. Where more than one fire hydrant is required, the distance between required fire hydrants shall be in accordance with Section C103.2, C103.3 or Section 507.5, whichever is more stringent.

Appendix D, entitled Fire Apparatus Access Roads, shall be adopted in its entirety with the following amendments:

D103.6, entitled Signs, shall be amended to comply with the design criteria set forth in section 11.60.065 of the Elgin Municipal Code, 1976, as amended.

D106.3, entitled Remoteness, shall be amended to read as follows:

Where two fire apparatus access roads are required, fire apparatus access road center line offsets of less than one hundred twenty-five feet (125') shall be avoided whenever possible.

D107.2, entitled Remoteness, shall be amended to read as follows:

Where two fire apparatus access roads are required, fire apparatus access road center line offsets of less than one hundred twenty-five feet (125') shall be avoided whenever possible.

Appendix E, entitled Hazard Categories, shall be adopted in its entirety.

Appendix F, entitled Hazard Ranking, shall be adopted in its entirety.

Appendix G, entitled Cryogenic Fluids-Weight and Volume Equivalents, shall be adopted in its entirety.

Appendix H, entitled Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions, shall be adopted in its entirety.

Appendix I, entitled Fire Protection Systems – Noncompliant Conditions, shall be adopted in its entirety.

Appendix J, entitled Building Information Sign, shall be adopted in its entirety.

Appendix K, entitled Construction Requirements for Existing Ambulatory Care Facilities, shall be adopted in its entirety.

Appendix L, entitled Requirements for Fire Fighter Air Replenishment Systems, shall be adopted in its entirety.

Appendix M, entitled High-Rise Buildings – Retroactive Automatic Sprinkler Requirements, shall be adopted in its entirety.

16.28.040: NEW MATERIALS, PROCESSES, OR OCCUPANCIES WHICH MAY REQUIRE PERMITS:

The City Manager, the Chief of the Fire Department, the Fire Code Official of the Fire Prevention Bureau, the Building Official and city staff shall act as a committee to determine and specify, after giving affected persons an opportunity to be heard, any new materials, processes or occupancies, which shall require permits, in addition to those now enumerated in this chapter. The findings and decision of any such committee meeting shall be prepared by the Fire Code Official of the Fire Prevention Bureau and such written findings and decision shall be posted in a conspicuous place in the office of the Fire Code Official of the Fire Prevention Bureau and the City Clerk's office at city hall. Copies of such findings and decision shall be distributed to any interested person.

16.28.050: CONFLICTS WITH OTHER PROVISIONS:

When a provision of this chapter conflicts with any other provision of the Elgin Municipal Code regulating the same subject matter, either as presently adopted or to be adopted or amended in the future, the more stringent or restrictive provision shall apply."

Section 3. That all ordinances or parts of ordinances in conflict with the provisions of this ordinance be and are hereby repealed.

Section 4. That this ordinance shall be in full force and effect immediately after its passage in the manner provided by law.

s/ David J. Kaptain

David J. Kaptain, Mayor

Presented: July 11, 2018

Passed: July 11, 2018

Omnibus Vote: Yeas: 8 Nays: 0

Recorded: July 11, 2018

Published: July 12, 2018

Attest:

s/ Kimberly Dewis

Kimberly Dewis, City Clerk