

**TRI-STATE FIRE PROTECTION DISTRICT
DUPAGE COUNTY, ILLINOIS**

ORDINANCE NO. 14-O-004

AN ORDINANCE OF THE TRI-STATE FIRE PROTECTION DISTRICT, ADOPTING THE 2009 EDITION OF THE *INTERNATIONAL FIRE CODE*, 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 IN THE TRI-STATE FIRE PROTECTION DISTRICT; PROVIDING FOR THE ISSUANCE OF PERMITS FOR HAZARDOUS USES OR OPERATIONS; REPEALING ORDINANCE NO. 86-O-1 OF THE TRI-STATE FIRE PROTECTION DISTRICT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT HEREWITH.

**ADOPTED BY THE
BOARD OF TRUSTEES OF THE
TRI-STATE FIRE PROTECTION DISTRICT
THIS 20TH DAY OF OCTOBER, 2014**

**TRI-STATE FIRE PROTECTION DISTRICT
DuPage County, Illinois**

Ordinance No. 14-O-004

AN ORDINANCE OF THE TRI-STATE FIRE PROTECTION DISTRICT, ADOPTING THE 2009 EDITION OF THE *INTERNATIONAL FIRE CODE*, 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 IN THE TRI-STATE FIRE PROTECTION DISTRICT; PROVIDING FOR THE ISSUANCE OF PERMITS FOR HAZARDOUS USES OR OPERATIONS; REPEALING ORDINANCE NO. 86-O-1 OF THE TRI-STATE FIRE PROTECTION DISTRICT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT HEREWITH.

WHEREAS, The Tri-State Fire Protection District, DuPage County, Illinois (the "District"), is a fire protection district duly organized under the laws of the State of Illinois, including but not limited to the Illinois Fire Protection District Act (the "Act," 70 ILCS 705/0.01 *et seq.*); and

WHEREAS, Section 1 of the Act (70 ILCS 705/1), provides that the District was created in the public interest to promote and protect the health, safety, welfare and convenience of the public and to, therefore, engage in the establishment, maintenance and operation of facilities for the prevention and control of fires and the establishment of regulations with respect thereto; and

WHEREAS, the District's Board of Trustees (the "Board") has express power pursuant to Section 11 of the Act (10 ILCS 705/11) to adopt and enforce fire prevention Codes and standards parallel to national standards to promote fire prevention; and

WHEREAS, the Board has full power pursuant to Section 6 of the Act (70 ILCS 705/6) to pass necessary ordinances, and rules and regulation for the proper management and conduct of the business of the Board for carrying into effect the objects for which the District was formed; and

WHEREAS, Section 11 of the Act (70 ILCS 705/11) empowers and makes it the legal duty and obligation of the District's Board to provide as nearly adequate protection from fire for all persons and property within the district as possible and to prescribe necessary regulations for the prevention and control of fire therein; and

WHEREAS, the District is empowered by the Act to provide reasonable safeguards through fire prevention Codes to protect the public health and safety against the hazards of fire in buildings and structures; and

WHEREAS, pursuant to its statutory authority, the Board has determined it to be in the best interest of the District to repeal its previous Fire Prevention and Safety Code, Ordinance No. 86-O-1 and to adopt this Ordinance for Minimum Fire Protection Regulations Governing the Safeguarding of Life and Property (hereinafter referred to as the "Fire Prevention Code"), for the control of fire protection in buildings and structures as herein provided; and each and all of the regulations, provisions, penalties, conditions and terms as amended of the published 2009 Edition of *The International Fire Code* as codified in this Ordinance; and

WHEREAS, the Board has placed the 2009 Edition of *The International Fire Code* on file with the District and available for public inspection during regular business hours as provided by law; and

WHEREAS, the Board finds and determines that the adoption of this Ordinance to completely replace Ord. 86-O-1 is necessary and proper, and in the continuing best interest of the District and its residents; and

WHEREAS, the Board, with advice and on recommendation of District staff, has reviewed the Fire Prevention Code in its entirety as set forth in Exhibit 1.

NOW, THEREFORE, Be it ordained by the Board of Trustees of the Tri-State Fire Protection District of DuPage County, Illinois as follows:

SECTION 1: The Board finds the statements contained in the preamble to this Ordinance to be true and correct, and hereby adopts them as if written here in full.

SECTION 2: The Board of Trustees of the Tri-State Fire Protection District hereby adopts the *International Fire Code*, 2009 Edition and referenced standards and appendices, as published by the International Code Council, and as amended by Exhibit 1 to this Ordinance as the Fire Prevention Code of the Tri-State Fire Protection District. Where differences occur between the provisions of this Code and the referenced standards, the provisions set forth in this Code shall apply.

SECTION 3: The Fire Prevention Code of the Tri-State Fire Protection District shall be effective not later than Noon on October 21, 2014, but shall be effective prior to that date for those affected property owners electing to implement the Fire Prevention Code prior to Noon on October 21, 2014. At least three (3) copies of the adopted Fire Prevention Code shall be placed on file with the District and shall be available for public inspection during regular business hours as provided by law.

SECTION 4: The specific terms and conditions of this Ordinance shall completely replace and supersede all provisions of Ord. 86-O-1.

SECTION 5: Should any section, paragraph, sentence or word of this Ordinance or of the Code hereby adopted be declared for any reason to be invalid, it is the intent of the Board that it would have passed all other portions of this Ordinance independent of the elimination of any invalid portion.

SECTION 6: This Ordinance shall be in full force and effect from and after its passage and approval in accordance with the law.

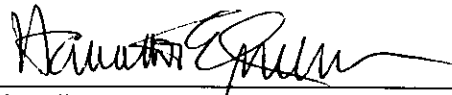
ADOPTED This 20th day of October 2014 by the following roll call vote:

AYES: 3

NAYS: 0

ABSENT: 0

ABSTAIN: 0



Hamilton E. Gibbons, President
Board of Trustees of the
Tri-State Fire Protection District,
DuPage County, Illinois

ATTESTED AND DEPOSITED in the
Office of the Secretary this 20th day
of October, 2014.

Michael L. Orrico
Jill K. Strenzel, Secretary Michael L. Orrico
Tri-State Fire Protection District Acting Secretary
DuPage County, Illinois

STATE OF ILLINOIS)
) SS
COUNTY OF DUPAGE)

SECRETARY'S CERTIFICATE

I, Jill K. Strenzel, the duly qualified and acting Secretary of the Board of Trustees of the Tri-State Fire Protection District, DuPage County, Illinois, do hereby certify that the attached is a true and correct copy of an Ordinance entitled:

**ORDINANCE NO. 14-004
TRI-STATE FIRE PROTECTION DISTRICT**

AN ORDINANCE OF THE TRI-STATE FIRE PROTECTION DISTRICT, ADOPTING THE 2009 EDITION OF THE *INTERNATIONAL FIRE CODE*, 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 IN THE TRI-STATE FIRE PROTECTION DISTRICT; PROVIDING FOR THE ISSUANCE OF PERMITS FOR HAZARDOUS USES OR OPERATIONS; REPEALING ORDINANCE NO. 86-O-1 OF THE TRI-STATE FIRE PROTECTION DISTRICT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT HEREWITH.

which Ordinance was duly adopted: by said Board of Trustees at a regular meeting held on the 20th day of October 2014.

I do further certify that a quorum of said Board of Trustees was present at said meeting, and that the Board of Trustees complied with all the requirements of the Illinois Open Meetings Act.

IN WITNESS WHEREOF, I have hereunto set my hand this 20th day of October 2014.

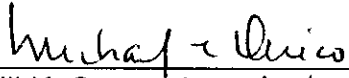

~~Jill K. Strenzel~~ Michael L. Ormco
Secretary, Board of Trustees Acting
Tri-State Fire Protection District Secretary

EXHIBIT 1 to ORDINANCE 14-004

TRI-STATE FIRE PROTECTION DISTRICT
FIRE PREVENTION CODE ORDINANCE

AN ORDINANCE OF THE TRI-STATE FIRE PROTECTION DISTRICT, ADOPTING THE 2009 EDITION OF THE *INTERNATIONAL FIRE CODE*, 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 IN THE TRI-STATE FIRE PROTECTION DISTRICT; PROVIDING FOR THE ISSUANCE OF PERMITS FOR HAZARDOUS USES OR OPERATIONS; REPEALING ORDINANCE NO. 86-O-1 OF THE TRI-STATE FIRE PROTECTION DISTRICT AND ALL OTHER ORDINANCES AND PARTS OF THE ORDINANCES IN CONFLICT HEREWITH.

SECTION 101 GENERAL

101.1 TITLE: These regulations shall be known as the *Fire Code* of Tri-State-Fire Protection District, hereinafter referred to as "this Code."

SECTION 102 APPLICABILITY

102.6 REFERENCED CODES AND STANDARDS: For the purpose of prescribing regulations and governing conditions hazardous to life and property from fire or explosions, the Board of Trustees of the Tri-State Fire Protection District hereby adopts *The International Fire Code*, 2009 Edition and referenced standards and appendices, as published by the International Code Council, and as amended by this Code as the Fire Prevention Code of the Tri-State Fire Protection District. Where differences occur between the provisions of this Code and the referenced standard, the provisions set forth in this Code shall apply.

SECTION 108 BOARD OF APPEALS

108.1 BOARD OF APPEALS ESTABLISHED: In order to hear and decide appeals of orders, decisions or determinations made by the Code Official, or designee, relative to the application and interpretation of this Code, there shall be and is hereby created a board of appeals consisting of members who are qualified by experience and training to pass on matters pertaining to this Code and who are not employees of the jurisdiction. The Code Official, or designee, shall be an ex officio member of said board but shall have no vote on any matter before the board.

The board of appeals shall be the board of trustees of the Tri-State Fire Protection District. The board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the Code Official.

SECTION 109 VIOLATIONS

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 Code Official, or of a permit or certificate and under provisions of this Code, shall be guilty of an ordinance violation, punishable by a fine of not more than \$5,000.00. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

SECTION 110 UNSAFE BUILDINGS

110.5 FIRE WATCH: Where conditions exist that are deemed hazardous to life and property by Code Official, or their designee, a fire watch shall be implemented. The Code Official, or their designee, shall determine the number of personnel required and the duration necessary for the fire watch. A fee of 150.00 for the first hour and a \$100.00 for every hour after the first hour during regular District business hours shall be charged. If a fire watch is required after regular District hours, then the fees shall be increased by 50%. Conditions that may require a fire watch shall include, but are not limited to, the following:

- A. Newly constructed building opened for occupancy prior to completion of the fire safety equipment and supervision;
- B. Building in which the fire safety equipment and supervision is placed out-of-service and will not be restored within twelve (12) hours;
- C. Building with an occupancy load greater than the posted numbers;
- D. Special programs or events where there will be space for standing room over the seating area and the exits will handle both seated and standing people; and
- E. Situations where the fire-load is greater than the normal day-to-day operation.

SECTION 111 STOP WORK ORDER

111.4 FAILURE TO COMPLY: Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$500.00 or more than \$5,000.00.

111.5 INJUNCTIVE RELIEF: As an alternative or in conjunction with the position of other penalties as provided in other provisions of this Code, the District may elect to seek injunctive relief from a Court of equity requiring compliance with the Code, demolition of the offending structure or removal of the offending condition. At the court's discretion, the District shall be entitled to an award of reasonable attorney's fees and all costs of litigation, including court costs, deposition fees and expert witness fees incurred in enforcing this Ordinance through this provision.

SECTION 202 DEFINITIONS

202.1 FIRE AREA: Fire area means the total floor area including mezzanines and basements contained within the surrounding exterior walls of a building on all floors and levels added together. The area included within the surrounding exterior walls of a building shall include roof overhangs and extensions and all enclosed extensions. Areas of a building not provided with surrounding walls shall be included within the building area if such areas are included within the horizontal projection of the roof or floor above. Interior walls, including fire walls, fire separation walls; and party walls, shall not be considered as walls which divide a structure into two or more separate buildings, but structures containing such interior walls shall be considered as one building for the purposes of this section.

SECTION 311 VACANT PREMISES

311.2.2 FIRE PROTECTION: Fire alarm, sprinkler and standpipe systems shall be maintained in an operable condition at all times.

SECTION 404 FIRE SAFETY AND EVACUATION PLANS

404.2 WHERE REQUIRED: An approved fire safety and evacuation plan shall be prepared and maintained for all occupancies and buildings as required by the Code Official.

SECTION 503 FIRE APPARATUS ACCESS ROADS

503.6 SECURITY GATES: All security gates or barricades across access roads or driveways shall be approved by the Code Official, or designee, and must be equipped and installed with an approved opticom device to override all command functions and open the gates or barricades on the approach of emergency apparatus.

SECTION 506 KEY BOXES

506.1 WHEN REQUIRED: All newly constructed buildings or tenant spaces are required to install an approved key box in an accessible location approved by the Code Official.

Exception: Key boxes are not required for attached residential dwellings under four units or on single-family detached dwellings.

506.1.2 TYPE OF KEY BOX: The type of key box approved for use by the Tri-State Fire Protection District is the Knox box brand key vault/rapid entry system. The Tri-State Fire Protection District shall be in complete control of key box and rapid entry system authorization and operation. The Tri-State Fire Protection District shall not be required to purchase or sell any key box or rapid entry system products.

506.1.3 LOCATION AND NUMBER: The location of the Knox box shall be approved by the Code Official, or designee. The Knox box shall be mounted at a maximum height of six (6) feet above grade in which a person can stand on without any assistance. The total number of Knox boxes required shall be determined by the Code Official.

506.1.4 KEYS: Key boxes shall contain such keys and other items necessary to provide District access to the building at locked points of ingress and egress whether on the interior or exterior of such building, to building systems, controls and devices, such as but not limited to: fire alarm systems, automatic sprinkler systems; elevator controls, electrical rooms and mechanical rooms.

506.1.5 ALARM: At the request of the owner or lessee, the Code Official, or designee, shall permit the installation of a key box tamper switch connected to the buildings security alarm system. No such tamper switch shall be allowed to be connected to the building's fire alarm system.

SECTION 508 FIRE PROTECTION WATER SUPPLIES

508.5.1 WHERE REQUIRED: Fire hydrants shall be located along a fire apparatus access road so that no portion of a building or facility will be more than 300 feet from any hydrant. Additional hydrants and mains shall be provided where required by the Code Official.

508.5.1.1 FIRE DEPARTMENT CONNECTIONS: Hydrants shall be located within 50 feet to any fire department sprinkler or standpipe connection as determined by the Code Official.

1. The exterior mounted Fire Department Connection to the automatic sprinkler system will be equipped with a five (5) inch "storz" fitting with a hose locking mechanism. The center cap shall be connected to the connection with a 0.125" vinyl coated aircraft cable. The Code Official, or designee, will determine the type of connection, a straight fitting or an elbow type fitting, to be used.

508.5.7 FIRE HYDRANT INSTALLATION: Fire hydrants shall be installed so that:

1. **Access:** Access to fire hydrants shall be by any approved roadway as specified by this Code.
2. **Distance to Roadways:** Hydrants shall be located approximately ten (10) feet from all-weather roadways.
3. **Pumper Outlet Direction:** Each hydrant shall have the pumper (steamer) connection facing the primary roadway and shall be accessible so that a connection can be made between the hydrant and the apparatus located in the street with twenty (20) feet of suction hose.
4. **Hydrant Outlet Location:** Fire hydrant outlets shall be a minimum of eighteen (18) inches and no more than thirty-six (36) inches above the finished grade.
5. **Hydrant Type:** Fire hydrants used in (conjunction with water supplies shall be of a type acceptable to the Tri-State Fire Protection District
6. **Cover/Cap:** The large steamer port on the hydrant is to be equipped with a five (5) inch "storz" fitting with a cover/cap. This cover/cap shall be connected to the hydrant with a 0.125" vinyl coated aircraft cable. If this type of connection can not be used, final determination of the approved connection shall be made by the Code Official.

SECTION 510 FIRE DEPARTMENT ACCESS TO EQUIPMENT

510.2 ACCESS TO FIRE EQUIPMENT: In multiple single-family dwellings where there is no common area, fire alarm panels and sprinkler system valves shall be located in a room accessible only to fire district personnel from the exterior of the building. The fire department shall have access at any time to such equipment without entering an individual dwelling unit.

SECTION 607 ELEVATOR RECALL AND MAINTENANCE

607.3 ELEVATOR PHONE: All required emergency elevator phones shall directly dial the Tri-State Fire Protection District's Communications Center via the phone number designated by the Code Official.

607.4 ELEVATOR CAR SIZE: All buildings equipped with an elevator for use by tenants shall be equipped for fire department emergency access to all floors. The size of the elevator car shall be of such a size and arrangement to accommodate a twenty four (24) inch by seventy-six (76) inch ambulance stretcher in the horizontal open position and shall be identified by the international symbol for emergency medical services (star of life).

When there are a number of elevators provided, only one has to meet this requirement. The requirement specified in Chapter 30 of the International Building Code shall not be used to eliminate this requirement. This requirement does not pertain to elevator cars in detached single family dwellings.

SECTION 804 DECORATIVE VEGETATION

804.1.1 RESTRICTED OCCUPANCIES: Natural cut trees shall be prohibited in groups, A, S, E, I, M, R-I, R-2 and R-4. Exception is deleted.

SECTION 901 GENERAL - FIRE PROTECTION SYSTEMS

901.4 INSTALLATION: Fire protection systems shall be maintained in accordance with the original installation standards for that system. Required fire protection systems shall be extended, altered, or augmented as necessary to maintain and continue protection whenever the building is altered, remodeled or added to. Additions, alterations or repairs to any building or structure shall conform with the requirements of the Code for new construction. Additions or alterations shall not be made to an existing building or structure which will cause the existing building or structure to be in violation of any provisions of this Code. Portions of the structure not altered and not affected by the alteration are not required to comply with the Code's requirements for a new structure unless that portion of the alteration exceeds 25% of the total fire area of the existing structure. The provisions of Chapter 34 of the International Building Code shall not be used to eliminate the installation of any fire protection systems.

901.5 INSTALLATION ACCEPTANCE TESTING: Fire detection and alarm systems, fire-extinguishing systems, fire hydrant systems, fire standpipe systems, fire pump systems, private fire service main and all other fire protection systems and appurtenances thereto shall be subject to acceptance tests as contained in the installation standards and as approved by the Code Official. The Code Official, or designee, shall be notified at least forty eight (48) hours prior to schedule any required acceptance testing.

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS

903.2.1.1 GROUP A-1: An automatic sprinkler system shall be provided throughout all Group A-1 occupancies.

903.2.1.2 GROUP A-2: An automatic sprinkler system shall be provided throughout a Group A-2 occupancy where one of the following conditions exist:

1. The fire area exceeds 1,000 square feet.
2. The fire area has an occupant load of 50 or more.
3. The fire area is located on a floor other than the level of exit discharge.

903.2.1.3 GROUP A-3: An automatic sprinkler system shall be provided throughout a fire area containing a Group A-3 occupancy where one of the following conditions exist:

1. The fire area exceeds 2,500 square feet.
2. The fire area is located on a floor other than the level of exit discharge.

903.2.1.4 GROUP A-4: An automatic sprinkler system shall be provided throughout a fire area containing a Group A-4 occupancy where one of the following conditions exists:

1. The fire area exceeds 2,500 square feet.
2. The fire area is located on a floor other than the level of exit discharge.

903.2.1.6 GROUP B: An automatic sprinkler system shall be provided throughout all Group B occupancies which exceed 2,500 square feet.

903.2.2 GROUP E: An automatic sprinkler system shall be provided throughout all Group E occupancies.

903.2.3 GROUP F-1: An automatic sprinkler system shall be provided throughout the buildings where the fire area containing a Group F-1 occupancy exceeds 3,000 square feet or where more than three stories in height, or where the combined fire area on all floors, including mezzanines, exceeds 2,500 square feet.

903.2.3.2 GROUP F-2: An automatic sprinkler system shall be installed in all Group F-2 buildings which exceed 2,500 square feet.

903.2.6 GROUP M: An automatic sprinkler system shall be provided throughout buildings where the fire area containing a Group M occupancy exceeds 2,500 square feet, or where more than three stories in height, or where the combined fire area on all floors, including any mezzanines, exceeds 2,500 square feet.

903.2.7 GROUP R-1: An automatic sprinkler system shall be provided throughout buildings with a Group R-1 fire area.

Exception: A residential sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in buildings, or portions thereof, of Group R-1.

903.2.7.1 MULTIPLE ATTACHED SINGLE-FAMILY DWELLINGS: An automatic sprinkler system shall be provided throughout with three (3) units or more attached in accordance with Section 903.3.1.2.

Exception: Sprinkler system protection shall not be required in these types of attached single family dwellings, when the units of occupancy are vertically separated by a U.L. listed self-supporting, structurally independent masonry wall with a minimum fire resistive rating of not less than 2 hours. The joint system shall be sealed at the top of the wall with an approved U.L. listed, 2 hour rated joint sealant system. In addition, said masonry separation wall shall be void of any membrane penetrations or through penetrations.

903.2.8 GROUP 8-1: An automatic sprinkler system shall be provided throughout all buildings where the fire area containing a Group 8-1 occupancy exceeds 2,500 square feet, or where more than three stories in height, or where the combined fire area on all floors, including mezzanines, exceeds 2,500 square feet.

Exception: Membrane structures designed and installed in accordance with Section 2404 and the 2009 edition of the *International Fire Code* shall not be required to be protected with an automatic fire sprinkler system when all of the following conditions are met:

1. A minimum 90'-0" setback is provided from all other structures, including principal and accessory buildings, other membrane structures and storage tanks, as well as lot lines.
2. A minimum 30'-0" wide designated fire lane is established and maintained around the perimeter of the membrane structure.
3. The membrane structure is used solely for the storage of non-combustible and non-hazardous materials.
4. The membrane structure shall be fully protected by an approved fire detection and alarm system.
5. The membrane structure shall be designed and constructed in accordance with all other applicable adopted Code requirements for a permanent structure.
6. Inspections of the structure and the contents within shall be permitted by both the Building Official and Fire Official after the issuance of a certificate of occupancy to verify compliance of all conditions herein.

903.2.8.1 COMMERCIAL GARAGES: An automatic sprinkler system shall be provided throughout all buildings used as commercial/repair garages in accordance with the *International Building Code*, as follows:

1. Buildings two or more stories in height, including basements, with a fire area containing a repair garage exceeding 2,000 square feet.
2. One-story buildings with a fire area containing a repair garage exceeding 2,500 square feet.
3. Buildings with a repair garage in the basement.

4. Commercial buildings/garages storing or containing any flammable liquids, including gasoline, in storage containers, tanks or in parked or sitting vehicles.

903.2.9 GROUP S-2: An automatic sprinkler system shall be provided throughout buildings classified as an enclosed parking garage and S-2 occupancies over 2,500 square feet and in accordance with the *International Building Code* or where located beneath other groups.

903.2.10.4 MEZZANINE'S: All mezzanines in a building or located in occupancy shall be protected above and below the mezzanine deck by the building's automatic sprinkler system.

903.2.12.3 BUILDINGS OVER 55 FEET IN HEIGHT: An automatic sprinkler system shall be installed throughout buildings that are located 55 feet or more above the lowest level of fire department vehicle access, or more than three (3) stories in height.

903.4.1 SIGNALS: Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to Central Stations or Remote Supervisory Stations by a two way private radio alarm system complying with Chapter 8 of the 2007 Edition of NFPA 72 which manually or automatically retransmit trouble, supervisory, and full fire alarm signals to the District's designated dispatch center.

SECTION 904 ALTERNATIVE AUTOMATIC FIRE-EXTINGUISHING SYSTEMS

904.3.5 MONITORING: All automatic fire extinguishing systems shall be monitored by a fire alarm system installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center.

SECTION 905 STANDPIPE SYSTEMS

905.3.2 BUILDING AREA: Standpipe systems shall be installed in all buildings where any portion of the building's interior area is more than 200 feet of travel, vertically and horizontally, from the nearest point of fire department vehicle access.

SECTION 906 PORTABLE FIRE EXTINGUISHERS

906.1 WHERE REQUIRED: Portable Fire Extinguishers shall be installed in all occupancy groups and have a minimum of one fire extinguisher located within 5 feet of each exterior door.

All other areas shall have extinguishers installed in accordance with this section, NFPA 10, or where required by the Code Official.

906.3 SIZE AND DISTRIBUTION: The minimum size fire extinguisher for use in all occupancy groups shall be 4A60BC. All other applications shall be in accordance with the provisions of NFPA 10.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

907.1.3 EQUIPMENT

907.1.3.1 BATTERY BACK-UP: All fire alarm control equipment shall have sixty (60) hours of standby and five (5) minutes of alarm current for secondary power battery standby.

907.1.3.2 FIRE ALARM CONTROL PANELS: All fire alarm control panels installed in all occupancy groups shall be addressable.

907.1.3.3 AUDIBLE AND VISUAL DEVICE REQUIREMENTS: Exterior audible horn strobes and visual light strobes are required to be installed in all occupancy groups for both fire and sprinkler detection.

907.2.1 GROUP A: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company. In occupancies with an occupant load of 1,000 or more, the provisions of section 907.2.1.1 shall be followed.

907.2.2 GROUP B: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in all Group B occupancies greater than 1,000 square feet or having an occupant load greater than 50 people or more than 1 persons above or below the lowest level of exit discharge or when the fire area is within a five (5) foot setback of the property lot line. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.3 GROUP E: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in Group E occupancies. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.

907.2.4 GROUP F: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble supervisory and full fire alarm signals to the District's designated dispatch center in Group F occupancies greater than 1,000 square feet or when the fire area is within a five (5) foot setback of the property lot line. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.4.1 GROUP S: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in Group S occupancies greater than 1,000 square feet or when the fire area is within a five (5) foot setback of the property lot line. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.5 GROUP H: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in Group H occupancies greater than 1,000 square feet or when the fire area is within a five (5) foot setback of the property lot line. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.7 GROUP M: An automatic and manual fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in Group M occupancies greater than 1,000 square feet or when the fire area is within a five (5) foot setback of the property lot line.

Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.8 GROUP R-1: A manual fire alarm system and an automatic fire detection system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in all Group R-1 occupancies. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.9 GROUP R-2: A fire alarm system shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center in the common areas of all Group R-2 occupancies. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

907.2.10.1.3 GROUP I-1: Single or multiple-station smoke alarms shall be installed and maintained in sleeping areas in occupancies in Group I-1.

907.9 ZONES: Each floor shall be zoned separately and a zone shall not exceed 20,000 square feet. The length of any zone shall not exceed 200 feet in any direction, a zoning indicator panel and the associated controls shall be provided in an approved location. The visual zone indication shall lock in until the system is reset and shall not be cancelled by the operation of a public alarm silencing switch. A separate zone by floor shall be provided for the following types of alarm initiating devices where provided:

- A. Detection devices.
- B. Sprinkler water-flow alarms.
- C. Manual fire alarm boxes.
- D. Each tenant space in multi-tenant occupancies, and
- E. Other approved type of automatic fire detection devices or suppression systems.

SECTION 908 EMERGENCY ALARM SYSTEMS

908.1 GROUP H OCCUPANCIES: Emergency alarms for the detection and notification of an emergency condition in Group H occupancies shall be provided as required in Chapter 27 of the International Fire Code 2009 edition. All required alarms shall be installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center as regulated by the Tri-State Fire Protection District. Any fire alarm system that is out of service for 24 hours must be promptly reported to the Code Official, or designee, by the property owner or his or her contracted alarm monitoring company.

SECTION 912 FIRE DEPARTMENT CONNECTIONS

912.2 LOCATION: With respect to hydrants, driveways, buildings and landscaping, fire department connections shall be so located that fire apparatus and hose connected to supply the system will not obstruct access to the buildings for other fire apparatus. Fire department connections shall be located within 50 feet of a fire hydrant at a location approved by the Code Official.

SECTION 913 FIRE PUMPS

913.4 VALVE SUPERVISION: Where provided, the fire pump suction, discharge and bypass valves, and the isolation valves on the backflow prevention device or assembly shall be supervised by a fire alarm system installed and maintained in accordance with NFPA 72, Chapter 8 and as defined by Illinois State Law providing for wireless transmission of fire alarm signals which manually or automatically retransmit trouble, supervisory and full fire alarm signals to the District's designated dispatch center.

SECTION 1003 GENERAL MEANS OF EGRESS

1003.1 GENERAL REQUIREMENTS: The general requirements specified in this section shall apply to all three elements of the means of egress system, in addition to those specific requirements for the exit access, the exit and the exit discharge detailed elsewhere in this chapter. The provisions of Chapter 34 of the International Building Code shall not be used to eliminate the installation requirements for exit signs and means of egress illumination systems.

1003.2.2.4.1 FIRE WATCH: During special programs or events where there will be an occupant load greater than the established maximum capacity, a fire watch may be required by the Code Official. The Code Official, or their designee, shall determine the number of personnel required. A fee of \$150.00 for the first hour and a \$100.00 for every hour after the first hour during regular District business hours shall be charged. If a fire watch is required after regular District hours, then the fees shall be increased by 50%.

1003.2.11.2 ILLUMINATION EMERGENCY POWER: The power supply for means of egress illumination shall normally be provided by the premise's electrical supply.

In the event of power supply failure, an emergency system shall automatically illuminate all of the following areas:

1. Exit access corridors, passageways, and aisles in rooms and spaces which require two or more means of egress.
2. Exit access corridors and exit stairways located in buildings required to have two or more exits.
3. Interior exit discharge elements, as permitted in Section 1006.1, in buildings required to have two or more exits.
4. The portion of the exterior exit discharge immediately adjacent to exit discharge doorways in buildings required to have two or more exits.
5. Conference rooms, training rooms, break or lunch rooms, and restrooms that accommodate more than one occupant.

1003.3.1.8 LOCKS AND LATCHES: Egress doors shall be readily openable from the egress side without the use of a key or special knowledge or effort.

Exceptions:

1. Places of detention or restraint.
2. Where approved by the Code Official, a readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. This sign shall be in letters 1 inch (25 mm) high on a contrasting background.
3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts has no doorknob or surface mounted hardware. The unlatching of any leaf shall not require more than one operation.
4. Doors from individual dwelling units and guestrooms of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt or security chain, provided such devices are openable from the inside without the use of a key or tool.

SECTION 1008 DOORS, GATES AND TURNSTILES

1008.1.4.5 SECURITY GRILLES: Locking grilles or shutters on any occupancy groups are prohibited.

SECTION 3302 EXPLOSIVES AND FIREWORKS DEFINITIONS

3302.1 REVISED DEFINITION OF FIREWORKS: Fireworks include any combustible or explosive composition, and any substance and combination of substances and articles prepared for the purpose of producing a visible or an audible effect by combustion, explosion, deflagration or detonation. Fireworks shall include blank cartridges, toy pistols, toy cannons, toy canes and toy guns in which explosives are utilized; balloons requiring fire underneath to propel the balloon; firecrackers, torpedoes, skyrockets, Roman candles, sparklers and other devices of similar construction; any device containing any explosive or flammable compound; and any tablets and other devices containing any explosive substance.

SECTION 3308 FIREWORKS DISPLAY

3308.8.1 ENGINE COMPANY STANDBY: The Tri-State Fire Protection District shall be at the site of the firing with a minimum of one (1) engine company. The engine company shall remain on site for a minimum of thirty (30) minutes following the term of the display.

3308.2.3 PERMIT FEE: A permit fee of two hundred dollars (\$200.00) shall be paid when the application is filed.

3308.2.3.1 PERMIT TRANSFER: No permit granted hereunder shall be transferred to any other person or organization.

3308.12 CASH BOND: The application for permit for supervised display of fireworks shall be accompanied by a cash bond in the sum of one thousand dollars (\$1,000.00). If the application is for a one-time only event, the fireworks company providing the fireworks display shall pay said cash bond. If the same application or same location intends to have multiple fireworks displays throughout the year, the owner need pay a one thousand dollar (\$1,000.00) cash bond on the first application for the fireworks display. Thereafter, no additional one thousand dollar (\$1,000.00) cash bond will be required for each subsequent event, provided, however, if any portion or all of the one thousand dollar (\$1,000.00) cash bond is utilized to provide the necessary manpower and equipment for fire suppression or rescue services provided, the owner or applicant shall be required to pay to the Tri-State Fire Protection District an additional cash bond in the amount of the cost previously expended by the District in order to reinstate the cash bond in the full sum of the one thousand dollars (\$1,000.00). The amount of excess shall likewise be paid to the District and no further displays may be held until such time as the excess amount has been paid and the cash bond has been reimbursed to the full sum of the one thousand dollars (\$1,000.00).