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## **ADOPTED AMENDMENTS TO 2015 INTERNATIONAL FIRE CODE**

### **2015 INTERNATIONAL FIRE CODE**

#### **General - Section 101.1 Title.**

Insert (second line): “City of Woodstock, McHenry County, Illinois”

#### **General – Section 101.6 Referenced codes and standards.**

Insert: “101.6 referenced codes and standards. Where the following codes and standards are indicated within the International Fire Code they shall be replaced as indicated:

1. International Plumbing Code – replace with the Illinois State Plumbing Code (latest edition)
2. ICC Electrical Code – replace with the National Electrical Code (the edition as adopted by the City of Woodstock)

#### **General Authority and Responsibilities – Section 104.1 General**

Insert at end: “The code official, however, is authorized to approve minor building alterations, improvements, or changes after making a determination that such alterations, improvements, or changes do not affect the safety or structural integrity of a building or structure or negate the intent of these regulations.”

#### **Permits - Section 105.1.1 Permits required.**

Insert: “Permits required by this code, or by the Woodstock City Code...”

### **Maintenance – Section 107.2.1 Test and inspection reports.**

Insert: "...filed with the fire code official. Contractors conducting required periodic testing shall forward to the City of Woodstock Department of Building & Zoning, copies of required test and inspection records as follows:

1. Within 10 business days following the required test and inspection if there are no impairments found during the testing and inspection of the system or equipment.
2. Within 3 business days following the required test and inspection if the testing and inspection indicates any impairment(s) to the system or equipment.

### **Board of Appeals - Section 108 Board of Appeals.**

Delete: Sections 108.1 through 108.3.

Insert: "108.1 Board of Building Construction: Any person shall have the right to appeal to the City of Woodstock Board of Building Construction a decision of the application and interpretation of this code by the code official. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted or the provisions of this code do not fully apply.

The establishment of the Board of Building Construction, its membership and their terms, frequency of meetings, and the Board's powers and duties shall be as indicated in the City Code of the City of Woodstock."

### **Violations - Section 109.3 Violation penalties.**

Insert: Offense "misdemeanor"

Insert: Amount "\$500.00"

Delete: "...or by imprisonment not exceeding (NUMBER OF DAYS), or both such fine and imprisonment."

### **Stop Work Order - Section 111.4 Failure to comply.**

Insert: "...\$25.00 or more than \$500.00 dollars."

### **Definitions - Section 502.1 Definitions.**

Fire Lane: Insert: "...other than fire apparatus. Fire lanes shall be constructed of an asphalt or concrete surface capable of supporting a vehicle weight of 75,000 pounds and shall be of a design approved by the City Engineer."

### **Fire Apparatus Access Roads - Section 503.2.3 Surface.**

Insert: "...driving capabilities. Fire apparatus access roads shall be constructed of an asphalt or concrete surface capable of supporting a vehicle weight of 75,000 pounds and shall be of a design approved by the City Engineer."

### **Key Boxes - Section 506.1 Where required.**

Delete: "...The key box shall be of an approved type and shall contain keys to gain access as required by the code official.

Insert: "...in an accessible location. The key box shall be purchased from the Woodstock Fire/Rescue District and shall be installed in a location approved by the fire district. Building master and fire alarm system access keys shall be provided as requested by the fire department."

### **Fire Department Access to Equipment - Section 509.1 Identification and Lighting.**

Insert: "509.1 Identification and Lighting.

Delete: Current verbiage.

Insert: "All doors providing access to fire sprinkler riser control valves rooms and the main fire alarm control panel room shall be labeled "Fire Sprinkler Controls" and/or "Fire Alarm Controls" as appropriate. Illumination shall be provided within all fire sprinkler and fire alarm control rooms, and in the immediate vicinity of all equipment not provided within a dedicated room, in accordance with Section 1008.1."

### **Automatic Sprinkler Systems - Section 903.1 General**

Delete: First paragraph.

Insert: 903.1 General

Automatic sprinkler systems shall comply with this section. New construction activity (excluding the remodeling or alteration of existing buildings and structures and not involving a change in use) for all use groups having a fire area exceeding five-thousand (5,000) or more square feet shall be required to install an automatic sprinkler system, except as follows:

When additions are made to an existing building or structure having an existing fire area of five-thousand (5,000) square feet or less, and when such additions result in the building or structure having an aggregate fire area of seventy-five-hundred (7,500) or more square feet, an automatic sprinkler system is required and shall be provided.

### **Automatic Sprinkler Systems - Section 903.2.1.1 Group A-1.**

Subsection 1: Delete: Current Section verbiage.

Insert: “Where a single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

### **Automatic Sprinkler Systems - Section 903.2.1.2 Group A-2.**

Subsection 1: Delete: Current Section verbiage.

Insert: “Where a single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

### **Automatic Sprinkler Systems - Section 903.2.1.3 Group A-3.**

Subsection 1: Delete: Current Section verbiage.

Insert: “Where a single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

### **Automatic Sprinkler Systems - Section 903.2.1.4 Group A-4.**

Subsection 1: Delete: Current Section verbiage.

Insert: “Where a single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

### **Automatic Sprinkler Systems - Section 903.2.3 Group E.**

Subsection 1: Delete: Current Section verbiage.

Insert: “Where a single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

Delete: Exception

### **Automatic Sprinkler Systems - Section 903.2.4 Group F-1 and F-2.**

Insert: “903.2.3 Groups F-1 and F-2”

Insert: “...a Group F-1 or F-2...”

Item 1. Revise to read: “Where a Group F-1 or F-2 single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

Item 2. Revise to read: “Where a Group F-1 or F-2 fire area is located more than two stories above grade plane.”

Item 3. Delete.

Insert: “Exception: One-story, Group F-2 buildings meeting the requirements of Section 507.3.”

### **Automatic Sprinkler Systems - Section 903.2.7 Group B or M.**

Insert: “903.2.7 Groups B or M”

Insert: “a Group B or M...”

Item 1. Revise to read: “Where a Group B or M single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet.”

Item 2. Revise to read: “Where a Group B or M fire area is located more than two stories above grade plane.”

Item 3. Delete.

### **Automatic Sprinkler Systems - Section 903.2.9 Group S-1 and S-2.**

Insert: “903.2.9 Groups S-1 and S-2”

Insert: “...a Group S-1 or S-2...”

Item 1. Revise to read: “Where a Group S-1 or S-2 single fire area, aggregate of all fire areas, or where the aggregate area of a building or structure separated by a fire wall or fire walls, exceeds 5,000 square feet including any mezzanines.”

Item 2. Revise to read: “Where a Group S-1 or S-2 fire area is located more than two stories above grade plane.”

Item 3. Delete.

Insert: “Exception: One-story, Group S-2 buildings meeting the requirements of Section 507.3.”

### **Automatic Sprinkler Systems – Section 903.2.9.1 Repair garages.**

Item 1. Delete “...10,000...”

Insert “...5,000...”

Item 2. Delete "...12,000..."  
Insert "...5,000..."

**Automatic Sprinkler Systems - Section 903.2.10 Parking Garages.**

Rename Section Title: Delete: "Group S-2"  
Insert: "Parking Garages"

**Automatic Sprinkler Systems – Section 903.2.11.3 Buildings 50 feet or more in height.**

Rename Section Title: Delete: "55 feet"  
Insert: "50 feet"

Delete: "...55 feet..."  
Insert: "...50 feet..."

**Automatic Sprinkler Systems - Section 903.3.1.1.1 Exempt locations.**

Delete: Exception 4.

**Automatic Sprinkler Systems – 903.3.5 Water supplies.**

Insert New Section: "903.3.5.3 Hydraulic design safety factor. All new sprinkler system designs shall include a safety factor of 5 pounds above the required operating pressure of any calculated system."

**Automatic Sprinkler Systems - Section 903.4.1 Monitoring.**

Delete: "...an approved supervising station...or proprietary supervising station..."or, when approved by the fire code official, shall sound an audible signal at a constantly attended location."

Insert: "... a remote supervising station at the Woodstock Police Department, via the City of Woodstock's Radio Network..."

**Automatic Sprinkler Systems - Section 903.4.2 Alarms.**

Delete: Current Section verbiage.

Insert: "Approved audible and visual alarm appliances in the form of an approved 10-inch exterior bell and a white/clear, 75 cd, weatherproof strobe light shall be provided on the exterior of the building above the fire department sprinkler or standpipe connection; and, an approved 6-inch interior bell and a white 75 cd strobe light shall be provided within the building immediately outside of the

sprinkler riser room when one is present or in a location approved by the fire department. These appliances shall only activate with the activation of a water-flow alarm device which shall be activated within 90-seconds by water flow equivalent to the flow of a single sprinkler of the smallest orifice size in the system . Where a fire alarm system is installed, actuation of the automatic fire sprinkler system shall actuate the building fire alarm system.”

**Automatic Sprinkler Systems - Section 903.4.3 Floor control valves.**

Delete: Current Section verbiage.

Insert: “Approved water-flow alarm devices and approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor of the building.”

**Alternative Automatic Fire-Extinguishing Systems - Section 904.3.5 Monitoring**

Insert: “...The building fire alarm system shall be supervised as required in 903.4.1 as amended above. When a fire alarm system is not provided within the building, any provided required alternative fire extinguishing system shall be monitored as required in 903.4.1 as amended above.”

**Standpipe Systems - Section 905.3.1 Building height.**

Delete: “...30 feet...” two locations

Insert: “...18 feet...” two locations

**Standpipe Systems - Section 905.4 Location of Class I standpipe hose connection.**

Delete: Current Section verbiage.

Insert: “Class I standpipe hose connections, consisting of a 2 ½ inch valve and connection with a 2 ½ inch by 1 ½ inch reducing cap, shall be provided in all of the following locations:”

**Portable Fire Extinguishers - Section 906.1 Where required.**

Delete: “...installed in the following locations.”

Insert: “...installed in all building and structures and the following locations.”

Delete: Exception.

**Fire Alarm and Detection Systems – Section 907.1.4 Secondary power supply.**

Insert: “907.1.4. Secondary power supply. All fire alarm control equipment shall be provided with 60-hours of secondary power supply.”

**Fire Alarm and Detection Systems – Section 907.1.5 Duct smoke detection.**

Insert: “907.1.5. Duct smoke detection. Duct smoke detection provided or required by this, or other applicable codes, shall receive their power directly from an Initiating Device Circuit or Signal Line Circuit from the building fire alarm control unit when one is provided.

Duct smoke detectors shall be installed in accordance with the manufacturer’s instructions and shall be located within the building space in ambient conditions consistent with the listing of the duct detector.

Duct detectors shall be provided with remote alarm indicators and test switches located as directed by the City of Woodstock.”

**Fire Alarm and Detection Systems – Section 907.1.6 Automatic fire alarm system.**

Insert: “907.1.6 Where an automatic fire alarm system is required, detection shall be provided in accordance with NFPA 72 throughout all occupiable spaces within the building, and those areas required by other codes or standards.”

**Fire Alarm and Detection Systems - Sections 907.2.1 Group A, 907.2.2 Group B, and 907.2.4 Group F.**

Delete: Exception.

**Fire Alarm and Detection Systems – Section 907.2.3 Group E**

Delete: Exceptions 3 and 4.

**Fire Alarm and Detection Systems – 907.2.7 Group M.**

Delete: Exception 2.

**Fire Alarm and Detection Systems – Section 907.2.8.1 Group R-1 Manual fire alarm system.**

Delete: Exception 2.

**Fire Alarm and Detection Systems – Section 907.2.9 Group R-2**

Item 1. Delete: “...three ...”

Insert: “...two ...”

Delete Item 3.

## **Fire Alarm and Detection Systems - Section 907.6.4 Zones**

Delete: Current section verbiage but maintain the exception.

Insert: “For conventional (zone) fire alarm control panels, each floor of a building shall be zoned separately and each type of device shall be zoned separately on each floor. A zone shall not exceed 22,500 square feet. The length of any zone shall not exceed 300-feet in any direction.

For addressable fire alarm control units, point identification shall be provided for each initiating device shall be addressed separately except that like supervisory devices, with the exception of fire pump monitoring, may be on a single identification address if located within the same room or space subject to the approval of the fire code official.

Each duct smoke detector shall be installed on its own zone or address.”

## **Fire Alarm and Detection Systems - Section 907.6.3.1 Fire alarm annunciators**

Delete: Current section verbiage.

Insert: “907.6.3.1 When the main fire alarm control equipment is not located at the entrance to the building used by the fire district, a remote annunciator, compatible with the fire alarm control unit, shall be provided in a location approved by the fire district.”

Fire alarm annunciators shall have the capability, when activated by the fire district with the use of a key, to provide the following functions:

1. Alarm acknowledgment.
2. Alarm silence.
3. Alarm reset.”

Annunciation from multiple tenant building shall be provided when a fire alarm control unit supervises signals from multiple tenant spaces or dwelling unit buildings, each with their own individual entrance, in a one-story building, the following requirements shall apply:

1. Each tenant space, or dwelling unit entrance, shall be provided with an exterior mounted, weatherproof, clear or nominal white lens, 75 cd strobe light over the main entrance to the space.
2. Tenant space, or dwelling unit common area, initiating devices and notification appliances shall be zoned separately by the fire alarm control unit.

3. In buildings provided with an automatic sprinkler system, waterflow activation in a specific tenant space, or dwelling unit area, shall report as a waterflow activation from the space.
4.  
Exception: Area detection throughout the tenant space may be substituted for Item 3 if the area detection reports an activation from the space. The exception does not apply to dwelling unit buildings.
5. Upon activation of an initiating device, with the exception of a waterflow device, within a tenant space or dwelling unit common area, the notification appliances within the space, and the exterior red lens shall activate for the space.
6. Upon the activation of a waterflow device in any tenant space, dwelling unit area, or the main waterflow device if provided, all interior and exterior notification appliances shall activate.

#### **Fire Alarm and Detection Systems - Section 907.6.6 Monitoring**

Delete: Current text.

Insert: “Where a fire alarm system is required by this chapter, the system shall be monitored in accordance with 903.4.1 as amended.”

#### **Fire Department Connections - Section 912.3 Hose threads.**

Insert: “All required fire department connections shall be provided with two- 2 ½ inch connections with NST threads.”

#### **Fire Department Connections – Section 912.8 Fire hydrant location.**

Insert: “A fire hydrant, on a 6-inch (minimum size) distribution water main served by the municipal water system, shall be located within 100 feet of the fire department connection in a location approved by the Woodstock Fire and Rescue District.”

#### **Doors, Gates and Turnstiles - Section 1010.1.9.3 Locks and latches.**

Delete: Item 2

**Chapter 80 Reference Standards.**

The following referenced standards are hereby amended by using the edition indicated:

NFPA 02:	2016	NFPA 35:	2016	NFPA 265:	2015
NFPA 11:	2016	NFPA 40:	2016	NFPA 303:	2016
NFPA 12:	2015	NFPA 55:	2016	NFPA 326:	2015
NFPA 12A:	2015	NFPA 56:	2014	NFPA 400:	2016
NFPA 13:	2016	NFPA 72:	2016	NFPA 409:	2016
NFPA 13D:	2016	NFPA 80:	2016	NFPA 410:	2015
NFPA 13R:	2016	NFPA 105:	2016	NFPA 701:	2015
NFPA 14:	2016	NFPA 110:	2016	NFPA 914:	2015
NFPA 20:	2016	NFPA 111:	2016	NFPA 1124:	2013
NFPA 24:	2016	NFPA 160:	2016	NFPA 1126:	2016
NFPA 31:	2016	NFPA 211:	2016		
NFPA 32:	2016				

**Appendix B Fire-Flow Requirements for Buildings.**

Appendix B shall be a mandatory requirement.

**Appendix C Fire Hydrant Locations and Distribution**

Appendix C shall be a mandatory requirement.