

## ORDINANCE NUMBER 204

### AN ORDINANCE ADOPTING THE 2015 EDITION OF THE *INTERNATIONAL BUILDING CODE* WITH AMENDMENTS IN THE WOODSTOCK FIRE/RESCUE DISTRICT, McHENRY COUNTY, ILLINOIS.

**BE IT ORDAINED** by the Board of Trustees of the Woodstock Fire/Rescue District (hereinafter “District”), McHenry County, Illinois, as follows:

**Section One:** That the International Building Code, 2015 edition, be and is hereby adopted as the building code for the Woodstock Fire/Rescue District, for the control of buildings, structures and premises as provided herein; and each and all of the regulations, provisions, penalties, conditions and terms of said International Building Code, are hereby referred to, adopted and made a part hereof as if fully set out in this section, with additions, insertions, deletions, and changes prescribed in Section Two of this ordinance. All other ordinances or parts of ordinances in conflict herewith are hereby repealed. (Ordinance 167).

#### **Section Two:**

The following sections of the “International Building Code, 2015 Edition” are hereby revised as follows:

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

Insert: “Woodstock Fire/Rescue District, McHenry County, Illinois”

##### **General - Section 101.4.3 Plumbing.**

Delete: “...International Plumbing...”

Insert: “...Illinois State Plumbing Code, Current Edition...”

##### **Duties and Powers of Building Official – Section 104.1 General**

Insert at end: “The building 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 105.2 Work exempt from permit.**

Insert: “Permits shall not be required for the following unless otherwise required by the Woodstock City Code:”

### **Submittal Documents - Section 107.1 General.**

Delete: "... two or more sets with each permit application

Insert: "...three or more hard copy (paper) sets and one digital/electronic set with each permit application."

### **Board of Appeals - Section 113 Board of Appeals.**

Delete: Sections 113.1 through 113.3.

Insert: "113.1 Board of Appeals: Any person shall have the right to appeal a decision of the application and interpretation of this code by the code official covering the manner of construction or materials to be used in the erection, alteration or repair of a building or structure. Appeals pertaining to properties or issues located within the Woodstock City Limits will be heard by the City of Woodstock Board of Building Construction. Appeals pertaining to properties or issues located outside of the Woodstock City Limits will be heard by the Woodstock Fire/Rescue District Board of Trustees. Any 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, the provisions of this code do not fully apply, or an equivalent form of construction can be used.

### **Violations - Section 114.4 Violation penalties.**

Delete: "...subject to penalties as prescribed by law."

Insert: "...guilty of a misdemeanor, punishable by a fine of not more than \$500.00".

### **Definitions – Section 202 - High-rise Buildings.**

Delete: "...75 feet..."

Insert: "...50 feet..."

### **Fire Partitions – Section 708.1 General. (Item 1)**

Insert: "Walls separating dwelling units, and separate tenants or businesses, in the same building."

### **Fire Partitions – Section 708.3 Fire-resistance rating.**

Delete: Exception 2.

### **Horizontal Assemblies – Section 711.2.4.3 Fire-resistant rating.**

Delete: Exception.

### **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: “903.2.4 Groups F-1 and F-2”

Insert: “...containing a Group F-1 or F-2 occupancy...”

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 ... occupancy”

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: Parking Garages

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.”

**Automatic Sprinkler Systems - Section 903.6 Room Identification and Lighting.**

Insert: “903.6 General. All doors providing access to fire sprinkler riser control valves rooms and the main fire alarm control panel room shall be labeled in accordance with Section F 510.1 (as amended) of the International Fire Code. 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 1006.1.”

**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:”

**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. (New Section)**

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 Woodstock Fire/Rescue District."

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

Insert: "907.1.6. Automatic fire alarm system. 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 Fire alarm annunciators. 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 at multi-tenant buildings. 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, water-flow activation in a specific tenant space, or dwelling unit area, shall report as a water-flow 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 water-flow device, within a tenant space or dwelling unit common area, the notification appliances within the space, and the exterior strobe shall activate for the space.
6. Upon the activation of a water-flow device in any tenant space, dwelling unit area, or the main water-flow 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 912.7 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.

#### **Accessibility-Chapter 11**

Delete: Chapter 11 and any reference to accessibility within the International Building Code. All accessibility references shall be deferred to the Illinois Accessibility Code (current version).

#### **Footings and Foundations - Section 1809.12, 1810.3.2.4 (Timber Footings) and 1807.1.4 (Permanent wood foundations systems).**

Delete: All Sections.

### **General Construction Requirements - Section 2304.14 Fire-resistance rating.**

Insert: “2304.13 Fire-resistance rating. Where conventional light-frame wood construction, prefabricated wood- I-Joist, structural composite lumber, structural glue-laminated timber, or similar structural wood components are utilized for floor construction, such construction shall be afforded a fire-resistance rating of not less than 1 hour.

Exception: Where the underside of the floor construction is protected with an approved fire sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 the fire-resistance rating is not required.”

### **General - Section 2701.1 Scope.**

Delete: “...provisions of the ICC Electrical Code.”

Insert: “...provisions of the National Electrical Code/the edition as adopted by the City of Woodstock.”

### **General - Section 2901.1 Scope.**

Delete: “...the International Plumbing Code...”

Insert: “...the Illinois State Plumbing Code...”

### **Hoistway Enclosures – Section 3002.4 Elevator car to accommodate ambulance stretcher.**

Delete: “Where elevators are provided in buildings four or more stories above grade or four or more stories below grade,...”

Insert: “Where a building is provided with an elevator, or a building exceeds two stories above grade, or a building exceeds two stories below grade, ...”

### **Machine Rooms – Section 3005.5 Shunt trip.**

Delete: “...Section 3-9.4...”

Insert: “...Section 21.4...”

### **Section 3009 Periodic Tests and inspections.**

Insert: “3009.1 Required. Acceptance tests and/or inspections shall be provided on all equipment covered by Chapter 30 as follows:



1. On all new, relocated and altered equipment subject to the provisions of this chapter.
2. Annually on all existing equipment.”

Insert: “3009.2 Test and inspection requirements. The minimum requirements for the inspection and test of the equipment subject to this chapter shall conform to the following:

1. Elevators, dumbwaiters and escalators shall be inspected and tested in accordance with ASME A17.1 listed in Chapter 35.
2. Freight lifts and amusement devices shall be inspected and tested to assure the load capacity and safe operation of the equipment. The tests shall cover all operating protectives and safety devices, structural adequacy of the supports, and anchorage to floors, walls, ceilings and foundations.
3. Manlifts shall be inspected and tested in accordance with ASME A90.1 listed in Chapter 35.
4. Miscellaneous hoisting and elevating equipment shall be subjected to tests and inspections as required by the code official to ensure safe operation.
5. Conveyors and related equipment shall be inspected and tested in accordance with ASME B20.1 listed in Chapter 35.”

Insert: “3009.3 Fees. All fees for plan review, acceptance testing and annual inspections of equipment subject to this chapter shall be borne by the building owner subject to the fee schedule approved by the Woodstock Fire/Rescue District, McHenry County, Illinois.”

Insert: “3009.4 Certificate of Compliance. A certificate of compliance will be prepared by the Woodstock Fire/Rescue District upon the satisfactory inspection or test for all equipment subject to this chapter. The owner or lessee of the equipment shall post the certificate in a conspicuous place or shall indicate where the certificate is located for viewing.”

### **Signs - Section 3107.1 General.**

Insert: “Within the Woodstock City Limits, all signs shall be subject to the applicable regulations contained in the City of Woodstock Unified Development Ordinance which shall apply wherever in conflict with this Code.”

### **Chapter 35 Reference Standards.**

The following referenced standards are hereby amended by using the

edition indicated:

NFPA 11:	2016	NFPA 80:	2016
NFPA 12:	2015	NFPA 85:	2015
NFPA 12A:	2015	NFPA 105:	2016
NFPA 13:	2016	NFPA 110:	2016
NFPA 13D:	2016	NFPA 111:	2016
NFPA 13R:	2016	NFPA 211:	2016
NFPA 14:	2016	NFPA 265:	2015
NFPA 20:	2016	NFPA 276:	2015
NFPA 30:	2015	NFPA 409:	2016
NFPA 31:	2016	NFPA 418:	2016
NFPA 32:	2016	NFPA 701:	2015
NFPA 40:	2016	NFPA 1124:	2013
NFPA 72:	2016		

**Section Three.** That Section 7.1.19, entitled “ADOPTION OF SWIMMING POOL AND SPA CODE” is hereby created as follows:

7.1.18 ADOPTION OF SWIMMING POOL AND SPA CODE

A. Adoption. The “International Swimming Pool and Spa Code, 2015 edition” as published by the International Code Council, be and is hereby adopted as the swimming pool and spa code for the District, for the control of buildings and structures as provided herein; and each and all of the regulations, provisions, penalties, conditions and terms of said international swimming pool and spa code, are hereby referred to, adopted and made a part hereof, as if fully set out in this section, with additions, insertions, deletions and changes prescribed in subsection B of this section.

B. Additions, Insertions, and Changes: The following sections of the "International Existing Building Code, 2015 edition", are hereby adopted as follows:

**General - Section 101.1 Title.**

Insert (second line): “Woodstock Fire/Rescue District, McHenry County, Illinois”

**Duties and Powers of the Code Official – Section 104.2 Applications and Permits**

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.”

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

Delete: Sections 108.1 through 108.7.

Insert: “108 Board of Appeals: Any person shall have the right to appeal a decision of the application and interpretation of this code by the code official. Appeals pertaining to properties or issues located within the Woodstock City Limits will be heard by the City of Woodstock Board of Building Construction. Appeals pertaining to properties or issues located outside of the Woodstock City Limits will be heard by the Woodstock Fire/Rescue District Board of Trustees. Any 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, the provisions of this code do not fully apply, or an equivalent form of construction can be used.



**Section Three.** Nothing in this ordinance or in the Building Code hereby adopted shall be construed to affect any suit or proceeding pending in court, or an rights acquired or existing, under any act or ordinance hereby repealed as cited in Section One of this Ordinance; nor shall any just or legal right or remedy of character be lost, impaired or affected by this Ordinance.

**Section Four.** This Ordinance shall be known as Ordinance Number 203, and shall be in full force and effect upon its passage and approval as provided by law.

**Section Five.** All ordinances or parts of ordinances in conflict herewith are hereby repealed to the extent of such conflict.

PASSED and APPROVED this 22 day of September, 2016.

WOODSTOCK FIRE/RESCUE  
DISTRICT

By: Robert A. Kristensen  
Robert A. Kristensen  
President  
Board of Trustees

ATTEST:

BY: Kenneth Marunde  
Kenneth Marunde  
Secretary  
Board of Trustees

AYES: 4

NAYS: 0

ABSTENTIONS: 0

ABSENTEES: 1