



City of WOODSTOCK

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Building Codes & Amendments

2006 International Residential Code (with amendments)

2006 International Building Code (with amendments)

2006 International Fire Code (with amendments)

2006 International Mechanical Code (with amendments)

2008 National Electrical Code, NFPA 70 (with amendments)

2004 Illinois State Plumbing Code (with amendments)

Illinois State Environmental Barriers Act (compliance with the Americans with Disabilities Act is also required).

International Residential Code, 2006 Edition
Ordinance 07-0-56

Amendments:

Section R305.1

Minimum Height. Habitable rooms, hallways, corridors, bathrooms, toilet rooms, and laundry rooms shall have a ceiling height of not less than eight (8) feet. Basements shall have a ceiling height of not less than seven (7) feet. The required height shall be measured from the finish floor to the lowest projection from the ceiling.

Section R309.1

Openings between the garage and the residence shall be equipped with a minimum one (1) hour fire-rated door.

Section R309.2

The garage shall be separated from the residence and its attic area by not less than 5/8" inch type X gypsum board applied to the garage side.

Section R313.4

Carbon Monoxide Alarm Detectors. Carbon Monoxide alarm detectors shall be installed in all new construction, alterations, repairs, and additions. The CMAD unit shall be installed within fifteen (15) feet of every sleeping room and shall be interconnected in such a way that the actuation of one CMAD unit shall activate all the CMAD units within the dwelling. The power source for all CMAD units shall be the same as and compliant with the requirements for smoke alarms in Section R313.3

Section R317.1

Two-Family Dwellings. Dwelling units two-family dwellings shall be separated from each other by wall and/or floor assemblies having not less than a two(2) hour fire-resistance rating when tested in accordance with ASTM E 119. Fire-Resistance rated floor-assemblies shall extend to and be tight against the exterior wall and wall assemblies shall extend to the underside of the roof sheathing. There are no exceptions to this requirement.

Section R317.2

Townhouses. Each townhouse dwelling unit shall be considered a separate

building and shall be separated by fire-resistance-rated wall assemblies with not less than a two (2) hour fire-resistance rating when tested in accordance with ASTM E 119.

Sections R402, R403, R404, R405, R406 and R504 are revised by deleting all references to “wood Foundations.”

Section R404.1 is deleted in its entirety.

Section R506.1

General. Concrete slab-on-ground floors shall be a minimum of three and one-half 3 1/2” inches thick (for expansive soils, see Section R402.2). The minimum thickness for the required slab in a crawl space shall be two (2) inches.

Section R506.2.3 Exception 1.

Vapor retarder may be omitted from detached garages.

Chapters 11 through 42 are deleted in their entirety. Chapter 11 is replaced with the following:

All exterior walls will have a minimum R value of 16, however, up to twenty-five (25) percent of the wall area may have an R value of 13. All ceilings and attic spaces over conditioned areas shall have an R value of 38, however up to a maximum of 500 square feet of such space may have an R value of 30. All band joists shall have an R value of 19. The builder shall compute and post an insulation certificate indicating R values for exterior walls (excluding the foundation), ceilings, attic spaces, and band joists on or in the vicinity of the electrical panel.

International Building Code, 2006 Edition
Ordinance Number 08-O-74

Amendments

The following sections of the “International Building Code, 2006 Edition” are hereby revised as follows:

General - Section 101.1 Title.

Insert: “City of Woodstock, McHenry County, Illinois”

General - Section 101.4.1 Electrical.

Delete: “...ICC Electrical Code...”

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

General - Section 101.4.4 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 other sections of the Woodstock City Code:”

Construction Documents - Section 106.1 Submittal documents.

Delete: “...one or more...”

Insert: “...three or more...”

Board of Appeals - Section 112 Board of Appeals.

Delete: Sections 112.1 through 112.3.

Insert: “112.1 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 code covering the manner of construction or materials to be used in the erection, alteration or repair of a building or structure. 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, the provisions of this code do not fully apply, or an equivalent form of construction can be used.

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 set forth in the City Code of the City of Woodstock.”

Violations - Section 113.4 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”.

High-Rise Buildings - Section 403.1 Applicability.

Delete: “...75 feet...”

Insert: “...50 feet...”

High-Rise Buildings - Section 403.13 Smoke-proof exit enclosures.

Delete: “...75 feet...”

Insert: “...50 feet...”

Shaft Enclosures – Section 707.14.1 Elevator lobby (Exception 4)

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 711.3 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 903.2.2 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 903.2.3 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 507.2."

Automatic Sprinkler Systems - Section 903.2.6 Group B or M.

Insert: "903.2.6 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 903.2.8 Group S-1 and S-2.

Insert: “903.2.3 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 507.2.”

Automatic Sprinkler Systems – Section 903.2.8.1 Repair garages.

Item 1. Delete “...10,000...”

Insert “...5,000...”

Item 2. Delete “...12,000...”

Insert “...5,000...”

Automatic Sprinkler Systems - Section 903.2.9 Parking Garages.

Rename Section Title: Delete: “Group S-2”

Insert: “Parking Garages”

Automatic Sprinkler Systems – Section 903.2.10.3 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 Signals.

Delete: “...central station...or proprietary supervising station...”

Delete: “...or, when approved by the fire code official, shall sound an audible signal at a constantly attended location.”

Insert: “...remote supervising station at the Woodstock Police Department, via reverse polarity or tones transmitter, until such time as the City of Woodstock’s radio network is in operation,...”

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 907.1.3 Secondary power supply.

Insert: “907.1.3. Secondary power supply. All fire alarm control equipment shall be provided with 60-hours of secondary power supply. An additional 20% safety factor shall be added to the total secondary power requirements for each fire alarm system.”

**Fire Alarm and Detection Systems – Section 907.1.4 Duct smoke detection.
(New Section)**

Insert: “907.1.4. 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 907.1.5 Automatic fire alarm system.

Insert: “907.1.5. 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 2 and 3.

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 907.2.12 High-rise buildings.

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

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

Fire Alarm and Detection Systems - Section 907.8 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 907.8.2 Fire Alarm Annunciators

Delete: Current section verbiage.

Insert: "907.8.2 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."

Fire Alarm and Detection Systems - Section 907.8.3 Annunciation at multi-tenant buildings.

Insert: "907.8.3 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.
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.
4. 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.
5. 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 907.14 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 912.6 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 1008.1.8.3 Locks and latches.

Insert: Item 2, 2.4: “The building shall be equipped throughout with an automatic fire sprinkler system in accordance with Section 903.3.1.1.”

Flood Loads – Section 1612.1 General.

Insert: “All buildings or structures erected within a flood-hazard zone shall be elevated so that the lowest floor or basement is located a minimum of 12 inches above the base flood elevation.”

Flood Loads - Section 1612.3 Establishment of flood hazard areas.

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

Insert (seventh line): “6/11/1982”

Footings and Foundations - Section 1805.4.5 (Timber Footings) and 1805.4.6 (Wood foundations).

Delete: Both Sections.

General Construction Requirements - Section 2304.13 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..."

Minimum Plumbing Facilities - Section 2902 Minimum number of fixtures.

Delete: Entire Section.

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 3006.5 Shunt trip.

Delete: "...Section 3-9.4..."

Insert: "...Section 6.16.4..."

Section 3007 Periodic Tests and inspections.

Insert: "3007.1 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: "3007.2 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: “3007.3 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 City of Woodstock, McHenry County, Illinois.”

Insert: “3007.4 Certificate of Compliance. A certificate of compliance will be prepared by the City of Woodstock 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: “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.”

Compliance Alternatives - Section 3409.2 Applicability.

Insert (first line): “January 1, 1984”

Chapter 35 Reference Standards.

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

NFPA 11:	2005	NFPA 16:	2007
NFPA 12:	2008	NFPA 17:	2002
NFPA 12A:	2004	NFPA 17A:	2002
NFPA 13:	2007	NFPA 30:	2008
NFPA 13D:	2007	NFPA 31:	2006
NFPA 13R:	2007	NFPA 32:	2007
NFPA 14:	2007	NFPA 40:	2007

NFPA 61:	2008
NFPA 72:	2007
NFPA 80:	2007
NFPA 85:	2007
NFPA 92B:	2005
NFPA 101:	2006
NFPA 105:	2007
NFPA 110:	2005
NFPA 111:	2005
NFPA 120:	2004
NFPA 211:	2006
NFPA 230:	2008
NFPA 252:	2008
NFPA 253:	2006
NFPA 257:	2007
NFPA 259:	2008
NFPA 265:	2007
NFPA 268:	2007
NFPA 285:	2006
NFPA 286:	2006
NFPA 288:	2007
NFPA 303:	2006
NFPA 409:	2004
NFPA 418:	2006
NFPA 484:	2006
NFPA 654:	2006
NFPA 655:	2007
NFPA 664:	2007
NFPA 701:	2004
NFPA 704:	2007
NFPA 1124:	2006
NFPA 2001:	2008

International Fire Code, 2006 Edition
Ordinance Number 08-O-76

Amendments

The following sections of the “International Fire Code, 2006 Edition” are hereby revised as follows:

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 Community and Economic Development, 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.

Section 109.3

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: "...in an accessible location. 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 510.1 Identification and Lighting.

Insert: "510.1 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 1006.1."

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 903.2.2 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 903.2.3 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 507.2.”

Automatic Sprinkler Systems - Section 903.2.6 Group B or M.

Insert: “903.2.6 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 903.2.8 Group S-1 and S-2.

Insert: “903.2.3 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 507.2.”

Automatic Sprinkler Systems – Section 903.2.8.1 Repair garages.

Item 1. Delete “...10,000...”

Insert "...5,000..."

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

Insert "...5,000..."

Automatic Sprinkler Systems - Section 903.2.9 Parking Garages.

Rename Section Title: Delete: "Group S-2"

Insert: "Parking Garages"

Automatic Sprinkler Systems – Section 903.2.10.3 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 Signals.

Delete: "...central station...or proprietary supervising station..."

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

Insert: "...remote supervising station at the Woodstock Police Department, via reverse polarity or tones transmitter, until such time as the City of Woodstock's radio network is in operation,..."

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 907.1.3 Secondary power supply.

Insert: "907.1.3. Secondary power supply. All fire alarm control equipment shall be provided with 60-hours of secondary power supply. An additional 20% safety factor shall be added to the total secondary power requirements for each fire alarm system."

Fire Alarm and Detection Systems – Section 907.1.4 Duct smoke detection.

Insert: "907.1.4. 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 907.1.5 Automatic fire alarm system.

Insert: "907.1.5 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 2 and 3.

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 907.2.12 High-rise buildings.

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

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

Fire Alarm and Detection Systems - Section 907.9 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 907.9.2 Fire alarm annunciators

Delete: Current section verbiage.

Insert: "907.9.2 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:

4. Alarm acknowledgment.
5. Alarm silence.
6. Alarm reset.”

Fire Alarm and Detection Systems - Section 907.9.3 Annunciation at multi-tenant buildings.

Insert: “907.9.3 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:

6. 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.
7. Tenant space, or dwelling unit common area, initiating devices and notification appliances shall be zoned separately by the fire alarm control unit.
8. 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.
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.
9. 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.
10. 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 907.14 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 912.7 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 1008.1.8.3 Locks and latches.

Insert: Item 2, 2.4: “The building shall be equipped throughout with an automatic fire sprinkler system in accordance with Section 903.3.1.1.”

Vertical Exit Enclosures – 1020.1.7 Smokeproof enclosures.

Delete: “...75 feet...”

Insert: “...50 feet...”

Chapter 45 Reference Standards.

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

NFPA 10:	2007	NFPA 16:	2007
NFPA 11:	2005	NFPA 17:	2002
NFPA 11A:	1999	NFPA 17A:	2002
NFPA 12:	2008	NFPA 20:	2007
NFPA 12A:	2004	NFPA 22:	2008
NFPA 13:	2007	NFPA 24:	2007
NFPA 13D:	2007	NFPA 25:	2008
NFPA 13R:	2007	NFPA 30:	2008
NFPA 14:	2007	NFPA 30A:	2008
NFPA 15:	2007	NFPA 30B:	2007

NFPA 31: 2006
NFPA 32: 2007
NFPA 33: 2007
NFPA 34: 2007
NFPA 35: 2005
NFPA 40: 2007
NFPA 51: 2007
NFPA 51A: 2006
NFPA 52: 2006
NFPA 57: 2002
NFPA 58: 2008
NFPA 59A: 2006
NFPA 61: 2008
NFPA 69: 2008
NFPA 72: 2007
NFPA 80: 2007
NFPA 85: 2007
NFPA 86: 2007
NFPA 92B: 2005
NFPA 99: 2005
NFPA 101: 2006
NFPA 110: 2005
NFPA 111: 2005
NFPA 120: 2004
NFPA 160: 2006
NFPA 211: 2006
NFPA 230: 2003
NFPA 241: 2004
NFPA 260: 2003
NFPA 261: 2003
NFPA 265: 2007
NFPA 286: 2006
NFPA 303: 2006
NFPA 385: 2007
NFPA 407: 2007
NFPA 409: 2004
NFPA 430: 2004
NFPA 484: 2006
NFPA 490: 2002
NFPA 495: 2006
NFPA 498: 2006
NFPA 505: 2006
NFPA 654: 2006
NFPA 655: 2007
NFPA 664: 2007

NFPA 701: 2004
NFPA 703: 2006
NFPA 704: 2007
NFPA 750: 2006
NFPA 1122: 2008
NFPA 1123: 2006
NFPA 1124: 2006
NFPA 1125: 2007
NFPA 1126: 2006
NFPA 1127: 2008
NFPA 2001: 2008

Appendix B Fire-Flow Requirements for Buildings.

Appendix B shall be considered mandatory requirements.

Appendix C Fire Hydrant Locations and Distribution

Appendix C shall be considered mandatory requirements.

International Mechanical Code, 2006 Edition
Ordinance Number 08-O-75

Amendments

The following sections of the “International Mechanical Code, 2006 Edition” are hereby revised as follows:

General - Section 101.1 Title.

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

Duties and Powers of the Code Official – Section 104.2 Rule-making Authority

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 106.5.2 Fee schedule.

Delete: Current Section Verbiage.

Insert: “The fees for mechanical work shall be as set forth by the Woodstock City Council.”

Permits - Section 106.5.3 Fee refunds.

Delete: Entire Section.

Violations - Section 108.4 Violation penalties.

Insert: Offense “misdemeanor”

Insert: Amount “\$500.00”

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

Violations - Section 108.5 Stop work orders.

Insert: “...\$25.00 or more than \$500.00 dollars.”

Board of Appeals - Section 109 Board of Appeals.

Delete: Sections 109.1 through 109.7.

Insert: “109.7 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."

Chapter 15 Reference Standards.

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

NFPA 30A:	2008
NFPA 31:	2006
NFPA 37:	2006
NFPA 58:	2008
NFPA 69:	2008
NFPA 72:	2007
NFPA 82:	2004
NFPA 91:	2004
NFPA 92B:	2005
NFPA 211:	2006
NFPA 262:	2007
NFPA 704:	2007
NFPA 853:	2007
NFPA 8501:	Replaced
by NFPA 85:	2007
NFPA 8502:	Replaced
by NFPA 85:	2007
NFPA 8504:	Replaced
by NFPA 85:	2007

National Electrical Code, NFPA 70 2008 Edition
Ordinance Number 08-O-77

Amendments

1. The use of non-metallic sheathed cable (types NM and NMC wire), commonly referred to as “romex wire” is not allowed within the City except in the extension of an existing circuit of the same material.
2. Conduits
 - a. Wiring exposed in an unfinished basement shall be in rigid, intermediate or thin wall metal conduit.
 - b. Above ground electrical services must be in galvanized rigid or intermediate metal conduit only and installed in accordance with the height and location requirements set forth in the National Electrical Code.
 - c. No conduit smaller than three-fourths inch (3/4”) shall be installed underground.
3. Armored Cable
 - a. Type AC wire, commonly referred to as “BX wire”, may only be used in one- and two-family residential dwellings. Wiring in residential buildings greater than two-family shall be in conduit.
 - b. In one- and two-family residential dwellings Type AC wire may be used in an unfinished basement ceiling if the ceiling is sealed before occupancy. Where additional outlets are to be installed in dwellings that already have the basements wired in AC, AC wire may be used for the additional outlets.
4. Ground Fault Circuit Interrupter (GFCI) Protection for Personnel, Section 210(A)1 Bathrooms. Required GFCI receptacles installed in bathrooms must be resettable in the room served.

Illinois State Plumbing Code, 2004 edition
Ordinance Number 08-0-78

Amendments

1. Section 890, Appendix A, Table A, Approved materials for water distribution pipe above ground, the following is added: "Copper pipe shall be type L."
2. Section 890, Appendix A, Table A, Approved materials for water distribution pipe, the following is added: "Copper, when used under floors or ground, shall be type K"
3. Section 890, Appendix A, Table A, Approved materials for water service pipe, the following is added: "Copper pipe shall be type K".
4. Section 890, Appendix A, Table A, Approved materials for building sewer, is amended by adding the following: "Polyvinyl Chloride (PVC) pipe, Schedule 40 minimum or equivalent is required. Cleanouts shall be provided within 5' of the exterior of the building".
5. Section 890.1200(a), second sentence, is amended to read "In no case shall a water service line be less than one inch (1") in diameter".
6. Section 890.1200(c), is amended to include , "At the time of making a tap for a new service to replace an existing service, the existing service shall be shut off or capped at the corporation stop".
7. An overhead sewer service is required by City Ordinance (adopted March 1, 2000) to be constructed (1) in the lowest level of all new structures and (2) with the construction of building additions that include any plumbing fixtures, where the finished floor of the lowest level is below the elevation of the crown of the street adjacent to the structure.
8. Plumbing fixtures served by an overhead sewer shall drain into an ejection pit with a pump and tight seal lid that meets the requirements of the City's plumbing inspector. The ejector pit shall be properly sealed, vented, and located to receive sewage by gravity flow from which the wastewater is lifted and discharged into the buildings sewer service. The discharge size of the pump shall be a minimum of two (2") inches and the discharge line shall be equipped with a backwater check valve.
9. The connection from the ejector pit to the building's sanitary sewer service shall be inside of the building, and no part of the discharge from the ejector pit shall extend beyond the foundation. All plumbing fixtures not located in the lowest level of the building shall drain entirely by gravity and shall not be drained through the ejector pit.