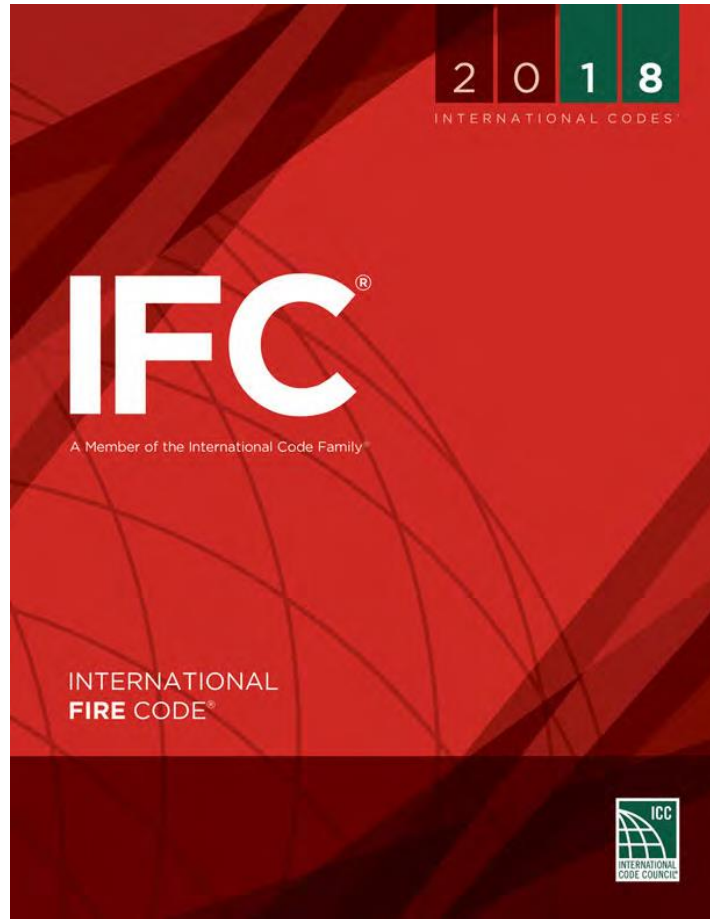


# *Village of Carol Stream*

## Local Amendments to ICC International Fire Code, 2018 Edition



**Community Development Department**

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**6/3/19**

# *Village of Carol Stream*

## **Community Development Department**

Local Amendments to ICC International Fire Code, 2018 Edition

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**AMENDMENTS TO CHAPTER 1**

**CHAPTER 1  
ADMINISTRATION**

**SECTION 101  
GENERAL**

**101.1 Title.** These regulations shall be known as the *Fire Code* of the Village of Carol Stream, hereinafter referred to as “this code.”

**SECTION 102  
APPLICABILITY**

**102.7 Referenced codes and standards.** The codes and standards referenced in this code shall be those listed in Chapter 80, and such codes and standards shall be considered part of the requirements of this code to the prescribed extent of each such reference as amended by the Village of Carol Stream and as further regulated by Sections 102.7.1 and 107.2 through 102.7.4.

**102.7.3 Plumbing code.** All references to the *International Plumbing Code* shall be construed to refer to the pertinent sections of the *Illinois Plumbing Code* as amended and adopted by the Village of Carol Stream.

**102.7.4 Building code.** All references to the *International Building Code* shall be construed to refer to the Building Code as amended and adopted by the Village of Carol Stream.

**SECTION 103  
DEPARTMENT OF FIRE PREVENTION**

**103.1 General.** The ~~department of fire prevention~~ Fire Prevention Bureau is established within the jurisdiction under the direction of the fire code official. The function of the ~~department~~ bureau shall be the implementation, administration and enforcement of the provisions of this code. The President and Board of Trustees of the Village of Carol Stream are hereby authorized to enter into contracts or agreements with the Carol Stream Fire Protection District, which can be modified from time to time, for the various functions of the Fire Prevention Bureau.

**103.2 Appointment.** The ~~fire code official shall be~~ Fire Chief of the Carol Stream Fire Protection District, as appointed by the chief appointing authority of the ~~jurisdiction~~ District, shall serve as the fire code official; and the fire code official shall not be removed from office except for cause and after full opportunity to be heard on specific and relevant charges by and before the appointing authority.

**SECTION 105  
PERMITS**

# Village of Carol Stream

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**105.3.1 Expiration.** An operational permit shall remain in effect until reissued, renewed or revoked, or for such a period of time as specified in the permit. Construction permits shall ~~automatically become invalid unless the work authorized by such permit is commenced within~~ **be valid for a period of** 180 days after its issuance, ~~or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Before such work recommences, a new permit shall be first obtained and the fee to recommence work, if any, shall be one half the amount required for a new permit for such work, provided that changes have not been made and will not be made in the original construction documents for such work, and provided further that such suspension or abandonment has not exceeded one year. Permits are not transferable and any change in occupancy, operation, tenancy or ownership shall require that a new permit be issued.~~ **The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated.**

**Exception:** A permit for a new principal building or addition thereto shall be valid for a period of twelve (12) months from the date of issuance.

### SECTION 106 FEES

**106.2 Schedule of permit fees.** A fee for each permit shall be paid as required, in accordance with ~~the schedule as established by the applicable governing authority~~ **the Fees and Securities for Construction and New Development as set forth in Chapter 6, Article 13 of the Village Code.**

**106.3 Work commencing before permit issuance.** A person who commences any work, activity or operation regulated by this code before obtaining the necessary permits shall be subject to an additional fee established by the ~~applicable governing authority~~ **Fees and Securities for Construction and New Development as set forth in Chapter 6, Article 13 of the Village Code,** which shall be in addition to the required permit fees.

**106.5 Refunds.** The ~~applicable governing authority~~ **Village of Carol Stream** is authorized to establish a refund policy. **Permit fees shall not be refunded for any direct costs to the Village, such as but not limited to consultant plan review fees and fees collected and paid to other entities.**

### SECTION 109 BOARD OF APPEALS

**109.1 Board of appeals established.** In order to hear and decide appeals of orders, decisions or determinations made by the fire code official relative to the application and interpretation of this code, there shall be and is hereby created a board of appeals. ~~The board of appeals shall be appointed by the governing body and shall hold office at its pleasure.~~ The fire code official shall be an ex officio member of said board but shall have no vote on any matter before the board. **The Board of Appeals shall consist of the President and Board of Trustees of the Village of Carol Stream. The President shall serve as Chairman and the Village Clerk shall serve as Secretary.** The board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the fire code official.

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**109.3 Qualifications.** ~~The board of appeals shall consist of members who are qualified by experience and training to pass on matters pertaining to hazards of fire, explosions, hazardous conditions or fire protection systems, and are not employees of the jurisdiction.~~

**109.4 Fees.** Fees for appeal hearings shall be in accordance with the Fees and Securities for Construction and New Development as set forth in Chapter 6, Article 13 of the Village Code.

**109.5 Jurisdiction.** The Board of Appeals shall have no jurisdiction to hear an appeal when the facts and issues raised in the application for appeal are subject of a quasi-criminal complaint brought in the name of the Village charging a violation of the Code of Ordinances of the Village. The filing of such a complaint shall constitute a determination that a decision of the building official, refusing to grant a modification of the provisions of this code, is correct. Any appeal pending at the time of filing of such a complaint shall be dismissed for want of jurisdiction.

### SECTION 110 VIOLATIONS

**110.4 Violation penalties.** Persons who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate issued under provisions of this code, shall be guilty of a code violation, punishable by a fine of not less than one hundred and fifty dollars (\$150.00) or more than fifteen hundred dollars (\$1,500.00) for each separate offense. ~~dollars or by imprisonment not exceeding [NUMBER OF DAYS], or both such fine and imprisonment.~~ Each day that a violation continues after due notice has been served shall be deemed constitute a separate offense. In addition to a fine, the court may impose a period of conditional discharge as defined in 730 ILCS 5/5-1-4 or court supervision as defined in 730 ILCS 5/5-1-21 of the Criminal Code for a period of up to six (6) months, an order of restitution, an order to perform community service, an order to complete an education program and/or any other appropriate penalties or conditions authorized in any section of this code or ordinance or any conditions for conditional discharge set forth in 730 ILCS 5/5-6-3 or for court supervision in 730 ILCS 5/5-6-3.1 as the foregoing are amended from time to time.

### SECTION 112 STOP WORK ORDER

**112.4 Failure to comply.** Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than one hundred and fifty dollars (\$150.00) or more than fifteen hundred dollars (\$1,500.00).

**AMENDMENTS TO CHAPTER 2**

**CHAPTER 2  
DEFINITIONS**

**SECTION 201  
GENERAL**

**201.4 Terms not defined.** Where terms are not defined through the methods authorized by this section, such terms shall have ordinarily accepted meanings such as the context implies. *Merriam Webster's Collegiate Dictionary, 11<sup>th</sup> Edition*; **The current version of the Merriam-Webster Dictionary** shall be considered as providing ordinarily accepted meanings.

**AMENDMENTS TO CHAPTER 3**

**CHAPTER 3  
GENERAL REQUIREMENTS**

**SECTION 311  
VACANT PREMISES**

**311.1 General.** Temporarily unoccupied buildings, structures, premises or portions thereof, including tenant spaces, shall be safeguarded and maintained in accordance with Sections 311.1.1 through 311.1.6. Fire protection systems required by this code or the Building Code as amended and adopted by the Village of Carol Stream shall be installed, repaired, operated, tested and maintained in accordance with this code. The building owner shall provide updated key holder information as required by the fire code official.

**311.1.3 Resumption of occupancy.** Structures which have been unoccupied for more than 24 consecutive months, or which have been determined to be abandoned in accordance with Section 311.1.1, shall be required to be inspected prior to occupancy. The building or portion thereof to be reoccupied shall be required to be equipped with a full fire protection system in accordance with Chapter 9 of this code.

Exception: One and two family dwellings and townhomes are exempt from this requirement.

**AMENDMENTS TO CHAPTER 5**

**CHAPTER 5  
FIRE SERVICE FEATURES**

**SECTION 503  
FIRE APPARATUS ACCESS ROADS**

**503.6 Security Gates.** The installation of security gates across a fire apparatus access road **or entrance** shall be approved by the fire code official. Where security gates are installed, they shall have an approved means of emergency operation. The security gates and the emergency operation shall be maintained operational at all times. Electric gate operators, where provided, shall be listed in accordance with UL 325. Gates intended for automatic operation shall be designed, constructed and installed to comply with the requirements of ASTM F 2200.

**SECTION 505  
PREMISES IDENTIFICATION**

**505.1 Address identification.** New and existing buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property. Address identification characters shall contrast with their background. Address numbers shall be Arabic numbers shall not be spelled out. Each character shall be not less than 4 **6** inches (~~402~~ **152** mm) high with a minimum stroke width of 1/2 inch (12.7 mm). Where required by the fire code official, address identification shall be provided in additional approved locations to facilitate emergency response. Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other **approved** sign or means shall be used to identify the structure. Address identification shall be maintained.

**SECTION 506  
KEY BOXES**

**506.1 Where required.** Where access to or within a structure or an area is restricted because of secured openings or where immediate access is necessary for life-saving or fire-fighting purposes, the fire code official is authorized to require a key box **or boxes** to be installed in an approved location **or locations**. The key box or boxes shall be of an approved type listed in accordance with UL 1037, and shall contain keys to gain necessary access as required by the fire code official.



**AMENDMENTS TO CHAPTER 9**

**CHAPTER 9  
FIRE PROTECTION SYSTEMS**

**SECTION 903  
AUTOMATIC SPRINKLER SYSTEMS**

**903.2 Where required.** Approved automatic sprinkler systems in new buildings and structures shall be provided in the locations described in Sections 903.2.1 through 903.2.12. **all occupancies, buildings and structures. Sections 903.2.1 through 903.2.10 shall be deleted in their entirety.**

**Exceptions:**

1. Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided those spaces or areas are equipped throughout with an automatic smoke detection system in accordance with Section 907.2 and are separated from the remainder of the building by not less than 1-hour fire barriers constructed in accordance with Section 707 of the International Building Code or not less than 2-hour horizontal assemblies constructed in accordance with Section 711 of the International Building Code, or both.
2. Accessory buildings or structures in any occupancy group with the exception of Group H occupancies, provided the building or structure is less than 1,500 square feet in floor area, is a minimum of 30 feet away from the primary building or other outside structures, is no more than one story in height, has no basement or lower level, is not used for sleeping or as a dwelling unit, and is accessible for firefighting purposes on at least three sides.

**903.2.11 Specific buildings areas and hazards.** In all occupancies other than Group U, an automatic sprinkler system shall be installed for building design or hazards in the locations sets forth in Sections 903.2.11.1 through 903.2.11.6.

**903.2.11.1 Stories without openings.** An automatic sprinkler system shall be installed throughout all stories, including basements, of all buildings, **where the floor area exceeds 1,500 square feet (139.4 m<sup>2</sup>) and where there is not provided at least one of the following types of exterior wall openings:**

1. ~~Openings below grade that lead directly to ground level by an exterior stairway complying with Section 1009 or an outside ramp complying with Section 1010. Openings shall be located in each 50 linear feet (15 240 mm), or fraction thereof, of exterior wall in the story on at least one side. The required openings shall be distributed such that the lineal distance between the adjacent openings does not exceed 50 feet (15 240 mm).~~
2. ~~Openings entirely above the adjoining ground level totaling at least 20 square feet (1.86 m<sup>2</sup>) in each 50 linear feet (15 240 mm), or fraction thereof, of exterior walls in the story on at least one side. The required openings shall be distributed such that the lineal distance between adjacent openings does not exceed 50 feet (15 240 mm). The height of the bottom of the clear opening shall not exceed 44 inches (1118 mm) measured from the floor.~~

**903.3.1.2.1 Balconies and decks.** Sprinkler protection shall be provided for exterior balconies, decks and ground floor patios or dwelling units where either of the following conditions exist.

1. The building is of ~~type V construction~~ **combustible construction**, ~~provided there is a roof or deck above.~~
2. Exterior balconies, decks, ground floor patios of dwelling units and sleeping units are constructed in accordance with Section 705.2.3.1, Exception No. 3 of the International Building Code.

**903.3.1.2.3 Attics and void spaces.** Attic **and void space** protection shall be provided as follows:

1. Attics that are used or intended for living purposes or storage shall be protected by an automatic sprinkler system.
2. Where fuel-fired equipment is installed in an unsprinklered attic, not fewer than one quick-response intermediate temperature sprinkler shall be installed above the equipment.
3. Where located in a building of Type III, Type IV or Type V construction, **fire sprinkler protection is required**, ~~designed in accordance with Section 510.2 or 510.4 of the International Building Code, attics not required by Item 1 to have sprinklers shall comply with one of the following if the roof assembly is located more than 55 feet (16 764 mm) above the lowest level of required fire department vehicle access:~~
  - 3.1. ~~Provide automatic sprinkler system protection.~~
  - 3.2. ~~Construct the attic using noncombustible materials.~~
  - 3.3. ~~Construct the attic using fireretardant treated wood complying with Section 2303.2 of the International Building Code.~~
  - 3.4. ~~Fill the attic with noncombustible insulation.~~

~~The height of the roof assembly shall be determined by measuring the distance from the lowest required fire vehicle access road surface adjacent to the building to the eave of the highest pitched roof, the intersection of the highest roof to the exterior wall, or the top of the highest parapet, whichever yields the greatest distance. For the purpose of this measurement, required fire vehicle access roads shall include only those roads that are necessary for compliance with Section 503.~~

4. Group R-4, Condition 2 occupancy attics not required by Item 1 to have sprinklers shall comply with one of the following:
  - 4.1. Provide automatic sprinkler system protection.
  - 4.2. ~~Provide a heat detection system throughout the attic that is arranged to activate the building fire alarm system.~~
  - 4.3. Construct the attic using noncombustible materials.
  - 4.4. ~~Construct the attic using fireretardant treated wood complying with Section 2303.2 of the International Building Code.~~
  - 4.5. Fill the attic with noncombustible insulation.

**903.3.2 Quick-response and residential sprinklers.** Where automatic sprinkler systems are required by this code, quick-response or residential automatic sprinklers shall be installed in the following areas in accordance with Section 903.3.1 and their listings:

1. Throughout all spaces within a smoke compartment containing patient sleeping units in Group I-2 in accordance with the *International Building Code*.
2. Throughout all spaces within a smoke compartment containing treatment rooms in ambulatory care facilities.

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3. Dwelling units and sleeping units in Group I-1 and R occupancies.
4. ~~Light hazard occupancies as defined in NFPA 13.~~

**903.3.5 Water supplies.** Water supplies for automatic sprinkler systems shall comply with this section and the standards referenced in 903.3.1. The potable water supply shall be protected against backflow in accordance with the requirements of this section and the *International Illinois Plumbing Code* as adopted and amended by the Village of Carol Stream. Hydrant water flow data used for the design of any sprinkler system shall be no more than one year old.

**903.4 Sprinkler system supervision and alarms.** Valves controlling the water supply for automatic sprinkler systems, pumps, tanks, water levels and temperatures, critical air pressures and water-flow switches on all sprinkler systems shall be electrically supervised by a listed fire alarm control unit.

**Exceptions:**

1. Automatic sprinkler systems protecting one- and two family dwellings.
2. ~~Limited area sprinkler systems in accordance with Section 903.3.8.~~
3. ~~Automatic sprinkler systems installed in accordance with NFPA 13R where a common supply main is used to supply both domestic water and the automatic sprinkler system, and a separate shutoff valve for the automatic sprinkler system is not provided.~~
4. Jockey pump control valves that are sealed or locked in the open position.
5. Control valves to commercial kitchen hoods, paint spray booths or dip tanks that are sealed or locked in the open position.
6. Valves controlling the fuel supply to fire pump engines that are sealed or locked in the open position.
7. Trim valves to pressure switches in dry, pre-action and deluge sprinkler systems that are sealed or locked in the open position.

**903.4.1 Monitoring.** Alarm, supervisory and trouble signals shall be distinctly different and shall be automatically transmitted to an approved supervising station or, when approved by the fire code official, shall sound an audible signal at a constantly attended location.

**903.4.2 Alarms.** An approved audible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm devices shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

**903.4.2.1 Audio/visual indicating devices.** In addition to the required water-flow alarm device, a weather-tight visual exterior warning device shall be provided above the fire department hose connection. The warning device strobe shall be red in color.

**903.4.2.2 Alarm-indicating appliances (audio/visual devices).** Alarm-indicating appliances (audio/visual devices) shall be provided, seen and heard in all areas of every building in accordance with the requirements of NFPA 72. All sprinklered buildings shall be provided with occupant notification devices as approved by the fire code official.

**903.4.2.3 Fire sprinkler inspection test valves.** Inspection test valves shall be provided in the most practical area remote from the riser. Inspection test valves shall be accessible at all times and located no more than six feet above the finished floor. On multiple-riser systems, inspection test valves shall be marked to indicate which riser and area is controlled by each valve.

**903.4.3 Floor control valves.** Approved supervised indicating control valves shall be provided at the point of connection to the riser on each floor in high-rise multiple-story buildings.

**903.4.4 Supplemental detection.** Where automatic sprinklers provide protection to an area with an approved water-flow switch interconnected to the fire alarm system, and the area is easily identifiable as to the location of the activation, automatic smoke detectors are not required. When a building has numerous rooms protected by a zoned sprinkler system, automatic smoke detectors may be required by the fire code official in order to provide a rapid means to identify the location of smoke or fire.

**Section 903.7 Additional automatic sprinkler system design requirements.** All automatic sprinkler systems shall comply with these additional design requirements:

1. The design pressure used to design the sprinkler system shall be the actual municipal system pressure for the site less a factor of safety. The factor of safety shall be a minimum of 10 psi or 10 percent of the design pressure required by this *Code*, whichever is greater.
2. A floor plan showing the sprinkler and alarm zones shall be provided in the sprinkler riser room. The plan shall be affixed to the wall at a location approved by the fire code official.
3. A copy of the hydraulic nameplate with hydraulic calculations shall be provided on each design drawing, for each hydraulically calculated area.

## Section 905 STANDPIPE SYSTEMS

**905.3.1 Height.** Class III standpipe systems shall be installed throughout buildings where any of the following conditions exist:

**905.3.1.1 Location.** Where horizontal or vertical access is more than one hundred fifty (150) feet beyond the level of fire department vehicle access. Distance is measured starting from the fire department apparatus' hose connection.

**905.4 Location of Class I standpipe hose connections.** Class I standpipe hose connections shall be provided in all of the following locations:

7. Where a standpipe system is required by this section, there shall be hose connection at each required exit door on each floor. The exit doors shall be identified on the interior and exterior of each door with "HC". The numerals shall be Arabic Numerals at least 6 inches in height and red in color.

~~**905.5 Location of Class II standpipe hose connections.** Class II standpipe hose connections shall be located so that all portions of the building are within 30 feet (9144 mm) of a nozzle attached to 100 feet (30 480 mm) of hose. Class II standpipe hose connections shall be located where they will have ready access.~~

~~**905.5.1 Groups A-1 and A-2.** In Group A-1 and A-2 occupancies with occupant loads of more than 1,000, hose connections shall be located on each side of any stage, on each side of the rear of the auditorium, on each side of the balcony and on each tier of dressing rooms.~~

~~**905.5.2 Protection.** Fire resistance rated protection of risers and laterals of Class II standpipe systems is not required.~~

~~**905.5.3 Class II system 1-inch hose.** A minimum 1-inch (25 mm) hose shall be allowed to be used for hose stations in light hazard occupancies where investigated and listed for this service and where approved by the fire code official.~~

**905.6 Location of Class III standpipe hose connections.** Class III standpipe systems shall have hose connections located as required for Class I standpipes in Section 905.4 and shall have Class II hose connections as required in Section 905.5.

**905.6.1 Protection.** Risers and laterals of Class III standpipe systems shall be protected as required for Class I systems in accordance with Section 905.4.1.

**905.6.2 Interconnection.** In buildings where more than one Class III standpipe is provided, the standpipes shall be interconnected in accordance with NFPA 14.

**905.13 Water supply.** When installed in accordance with Section 905, water flow requirements for standpipes shall be one hundred fifty (150) gallons per minute at one hundred (100) psi at each outlet with a maximum of six hundred (600) gallons per minute.

## SECTION 907 FIRE ALARM AND DETECTION SYSTEMS

**907.2 Where required—new buildings and structures.** An *approved* fire alarm system installed in accordance with the provisions of this code and NFPA 72 shall be provided in new buildings and structures in accordance with Sections 907.2.1 through 907.2.23 and provide occupant notification in accordance with Section 907.5, unless other requirements are provided by another section of this code. Not fewer than one manual fire alarm box shall be provided in an *approved* location to initiate a fire alarm signal for fire alarm systems employing automatic fire detectors or waterflow detection devices. Where other sections of this code allow elimination of fire alarm boxes due to sprinklers, a single fire alarm box shall be installed. **Manual fire alarm boxes shall be provided at each exit and where directed by the Fire Code Official.**

**907.2.1 Group A.** A manual fire alarm system that activates the occupant notification system in accordance with Section 907.5 shall be installed in Group A occupancies ~~where the occupant load due to the assembly occupancy is 300 or more or where the Group A occupant load is more than 100 persons above or below the lowest level of exit discharge.~~ Group A occupancies not separated from one another in accordance with Section 707.3.10 of the International Building Code shall be considered as a single occupancy for the purposes of applying this section. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E occupancy.

**Exception:** ~~Manual fire alarm boxes are not required where the building is equipped throughout with an automatic sprinkler system installed in accordance with Section 903.3.1.1 and the occupant notification appliances will activate throughout the notification zones upon sprinkler water flow.~~

**907.6.3.1 Annunciation.** The initiating device status shall be annunciated at an approved on-site location. **When the main fire alarm panel is not located in a rated room (sprinkler room) or is located in a remote area, a remote annunciator will be located within 10 feet of main entrance or a location set by the fire code official.**

**907.6.4 Zones.** Each floor shall be zoned separately and a zone shall not exceed 22,500 square feet (2090 m<sup>2</sup>). The length of any zone shall not exceed 300 feet (91 440 mm) in any direction.

**907.6.4.3 Zone disconnection.** All fire alarm systems shall be capable of disconnection of a zone at the control panel. **Disconnection of a zone shall cause the fire alarm system to transmit a trouble signal.**

**907.6.6 Monitoring.** Fire alarm systems required by this chapter or by the International Building Code shall be monitored by an approved supervising station in accordance with NFPA 72.

**Exception:** Monitoring by a supervising station is not required for:

1. Single- and multiple-station smoke alarms required by Section 907.2.11.
2. Smoke detectors in Group I-3 occupancies.
3. Automatic sprinkler systems in one- and two-family dwellings.

**907.6.6.3 Wireless radio fire alarm systems.** All new fire alarm systems shall transmit trouble, supervisory, and fire signals via a wireless transmitter in accordance with NFPA 72. Transmitter equipment shall be approved by the fire code official.

## SECTION 910 SMOKE AND HEAT REMOVAL

**910.2 Where required.** Smoke and heat vents or a mechanical smoke removal system shall be installed as required by Sections 910.2.1 and 910.2.2.

**Exceptions:**

- ~~1. Frozen food warehouses used solely for storage of Class I and II commodities where protected by an approved automatic sprinkler system.~~
2. Smoke and heat removal shall not be required in areas of buildings equipped with early suppression fast-response (ESFR) sprinklers.
- ~~3. Smoke and heat removal shall not be required in areas of buildings equipped with control mode special application sprinklers with a response time index of 50 (m · s)<sup>1/2</sup> or less that are listed to control a fire in stored commodities with 12 or fewer sprinklers.~~

**910.2.1 Group F-1 or S-1 **F or S.****

## SECTION 912 FIRE DEPARTMENT CONNECTION

**912.3 Fire hose threads.** Fire hose threads used in connection with standpipe systems shall be approved and shall be compatible with fire department hose threads. The Fire Department Connection shall be two 2 ½ inch female swivel connections with NST thread.

**AMENDMENTS TO CHAPTER 10**

**CHAPTER 10  
MEANS OF EGRESS**

**SECTION 1009  
ACCESSIBLE MEANS OF EGRESS**

**1009.1 Accessible means of egress required.** Accessible means of egress shall comply with this section and the current version of the Illinois Accessibility Code. Accessible spaces shall be provided with not less than one accessible means of egress. Where more than one means of egress is required by Section 1006.2 or 1006.3 from any accessible space, each accessible portion of the space shall be served by not less than two accessible means of egress.

**Exceptions:**

1. One accessible means of egress is required from an accessible mezzanine level in accordance with Section 1009.3, 1009.4 or 1009.5.
2. In assembly areas with ramped aisles or stepped aisles, one accessible means of egress is permitted where the common path of travel is accessible and meets the requirements in Section 1029.8.

**SECTION 1010  
DOORS, GATES AND TURNSTILES**

**1010.1.9 Door operations.** Except as specifically permitted by this section egress doors shall be readily openable from the egress side without the use of a key or special knowledge or effort.

**1010.1.9.4 Locks and latches.** Locks and latches shall be permitted to prevent operation of doors where any of the following exist:

1. Places of detention or restraint.
2. In buildings in occupancy Group A having an occupant load of 300 or less, Groups B, F, M and S, and in places of religious worship, the main door or doors are permitted to be equipped with key-operated locking devices from the egress side provided:
  - 2.1. The locking device is readily distinguishable as locked.
  - 2.2. A readily visible durable sign is posted on the egress side on or adjacent to the door stating: THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED. The sign shall be in letters 1 inch (25 mm) high on a contrasting background.
  - 2.3. The use of the key-operated locking device is revocable by the building official for due cause.

**2.4 As approved by the fire official.**

3. Where egress doors are used in pairs, approved automatic flush bolts shall be permitted to be used, provided that the door leaf having the automatic flush bolts does not have a doorknob or surface-mounted hardware.
4. Doors from individual dwelling or sleeping units of Group R occupancies having an occupant load of 10 or less are permitted to be equipped with a night latch, dead bolt

or security chain, provided such devices are openable from the inside without the use of a key or tool.

5. Fire doors after the minimum elevated temperature has disabled the unlatching mechanism in accordance with listed fire door test procedures.

6. Doors serving roofs not intended to be occupied shall be permitted to be locked preventing entry to the building from the roof.

**[B] SECTION 1013  
EXIT SIGNS**

**1013.3 Illumination.** Exit signs shall be internally ~~or externally~~ illuminated.



**AMENDMENTS TO CHAPTER 11**

**CHAPTER 11  
CONSTRUCTION REQUIREMENTS  
FOR EXISTING BUILDINGS**

**SECTION 1103  
FIRE SAFETY REQUIREMENTS  
FOR EXISTING BUILDINGS**

**1103.7 Fire alarm systems.** An approved fire alarm system shall be installed in existing buildings and structures in accordance with Sections 1103.7.1 through ~~1103.7.6~~ **1103.7.7** and provide occupant notification in accordance with Section 907.6 unless other requirements are provided by other sections of this code.

**1103.7.7 Smoke and heat detection.** Approved smoke or heat detectors shall be installed and maintained in return air ducts or plenums in each recirculating air system with a capacity of more than 2,000 cfm (0.94 ml/sec) in accordance with the Mechanical Code as amended and adopted by the Village of Carol Stream. Actuation of the detector shall stop the fan(s) automatically, and the system shall be of the manual-reset type. Automatic fan shutdown is not required where the system is part of an approved smoke control system. The smoke and heat detectors shall not be connected to the fire alarm control panel.

**AMENDMENTS TO APPENDICES A THROUGH J**

The following appendices are hereby adopted as part of the Fire Code of the Village of Carol Stream. All other appendices or portions of appendices are for informational purposes only and are not adopted as part of this Code.

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

**Appendix H – Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions**

**Appendix D – Fire Apparatus Access Roads**