

3. The following requirements shall supercede requirements contained in the Illinois State Plumbing Code:
- a) 2 W.C. max on 3" stack
 - b) Minimum size water service 1" or demand per State Code.
 - c) Ductile iron or extra heavy cast iron piping required when sanitary exits through foundation wall to unexcavated area.
 - d) Wash machine and water heater pans required, unless in stalled on concrete floor with properly installed floor drain.
 - e) Plastic Pans are not allowed.
 - f) All commercial areas require mop sink or laundry tub.
 - g) All ejector crocks must have a minimum depth of 30".
 - h) Schedule 40 PVC underground waste and vent piping allowed only with ground stakes equal to Sioux Chief #535-9P installed to prevent floatation or moving.



VILLAGE OF FOX LAKE BUILDING CODES

1. **International Building Code 2006**
2. **International Mechanical Code 2006**
3. **International Property Maintenance Code 2006**
4. **International Fire Prevention Code 2006**
5. **National Electrical Code 2002**
6. **2000 International Residential Code**
7. **Current Illinois State Plumbing Code
w/ local amendments**

Disclaimer:

The modifications to the Adopted Codes are provided for informational purposes only and may not reflect all of, or the most current, legislation that has been passed. The official hard copy, in its entirety, should be consulted prior to any action being taken. In the case of any discrepancy between this version and the official hard copy, the official hard copy will prevail.

602.4 Occupiable work spaces. Indoor occupiable work spaces shall be supplied with heat to maintain a temperature on not less than 70°F (21°C) during the period the spaces are occupied.

Exceptions:

1. Processing, storage and operation areas that require cooling or special temperature conditions.
2. Areas in which persons are primarily engaged in vigorous physical activities.

Illinois State Plumbing Code (Current)

6-1-1-2 ILLINOIS STATE PLUMBING CODE:

- A. The current edition of the Illinois State Plumbing Code as it may be amended from time to time is hereby adopted by reference in its entirety as the official plumbing code of the Village subject to the modifications hereinafter set forth and any amendments hereinafter made by the Board of Trustees and shall hereinafter be applicable in the Village.
- B. Three (3) copies of the plumbing code and supplements herein adopted shall be kept on file in the office of the Village Clerk for public inspection and use.
- C. The Board of Trustees hereby designated the Building Commissioner and the Plumbing Inspector and any other persons who may be designated from time to time, to enforce the plumbing code adopted by this section.
- D. Any person violating any provision of this code shall be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for each offense; and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.
- E. The following revisions to the standard form of the Illinois State Plumbing Code shall apply within the Village:
 1. Any person performing plumbing work within the Village must be a licensed Illinois plumber and must submit information on forms supplied by the Village prior to doing any plumbing work within the Village.
 2. No person performing plumbing work within the village shall use materials other than those set forth on the Village's approved materials list.

103.5 Fees. The fees for activities and services performed by the department in carrying out its responsibilities under this code shall be as indicated in the Fee Schedule maintained by the Village from time to time.

302.4 Weeds. All premises and exterior property shall be maintained free from weeds or plant growth in excess of 8 inches. All noxious weeds shall be prohibited. Weeds shall be defined as all grasses, annual plants and vegetation, other than trees or shrubs provided; however, this term shall not include cultivated flowers and gardens.

Upon failure of the owner or agent having charge of a property to cut and destroy weeds after service of a notice of violation, they shall be subject to prosecution in accordance with Section 106.3 and as prescribed by the authority having jurisdiction. Upon failure to comply with the notice of violation, any duly authorized employee of the jurisdiction or contractor hired by the jurisdiction shall be authorized to enter upon the property in violation and cut and destroy the weeds growing thereon, and the costs of such removal shall be paid by the owner or agent responsible for the property.

304.14 Insect Screens. During the period from April 1 to November 1, every door, window and other outside opening required for ventilation of habitable rooms, food preparation areas, food service areas or any areas where products to be included or utilized in food for human consumption are processed, manufactured, packaged or stored, shall be supplied with approved tightly fitting screens of not less than 16 mesh per inch (16 mesh per 25 mm) and every swinging door shall have a self-closing device in good working condition.

Exception: Screens shall not be required where other approved means, such as air curtains or insect repellent fans, are employed.

602.2 Residential Occupancies. Dwellings shall be provided with heating facilities capable of maintaining a room temperature of 70°F (21° C) in all habitable rooms, bathrooms and toilet rooms. Cooking appliances shall not be used to provide space heating to meet the requirements of this section.

602.3 Heat Supply. Every owner and operator of any building who rents, leases or lets one or more dwelling units, sleeping units on terms, either expressed or implied, to furnish heat to the occupants thereof shall supply heat to maintain a temperature of not less than 70°F (21°C) during the period the spaces are occupied.

Modification to Adopted Codes:

The 2000 International Residential Code for one and two family dwellings and all supplements thereto are hereby modified as follows: (Ord. 94-10, 6-6-1994; amd. Ord. 2003-61, 11-25-2003)

1. Chapter 1
 - a. Section R105-R105.2 Work exempt from permit. Building—Remove 1, 2, 3, 4 & 5.
 - b. Mechanical—Remove 4.
 - c. Plumbing—All references to plumbing removed from this code. Plumbing work in the Village of Fox Lake shall meet the requirements of the current Illinois State Plumbing plus Village amendments.
 - d. Section R112 Board of Appeals to be removed. The Zoning Board shall act as the board of appeals.

2. Chapter 3

Ground Snow-Load	Wind Speed (mph)	Seismic Design Category	Subject to Damage From Weathering Frostline Depth	Termite	Decay	Winter Design Temp	Flood Hazards
30 # per sq. ft.	90	B	Severe 42"	Moderate	Severe	-3°F	WDO & FEMA

- a. Table R301.2(1) to be completed as follows:

- b. Section R304 Minimum Room Areas; R304.1 Minimum area—Shall read as follows:

1.	Living Room	180 sq. ft.
2.	Dining Room	100 sq. ft.
3.	Kitchen	70: 100 sq. ft. if no dining room
4.	Master Bedroom	120 sq. ft.
5.	Other Bedroom(s)	100 sq. ft.
6.	Bathroom(s)	35 sq. ft.
7.	Other uses	100 sq. ft.
8.	Closets	8 sq. ft. min /depth 24 inches

R304.2 Remove

c. Section R305 Ceiling Height

R305.1 Minimum height—change 7 feet to 8 feet

Exceptions; #2 change 6 feet 8 inches to 7 feet, and 6 feet 4 inches to 6 feet 6 inches.

R309.2 Separation required. Change 1/2 inch gypsum to 5/8 inch gypsum.

R309.3 Floor surface. Change to “Garage floor surfaces shall be concrete with a four (4”) inch gas curb, and the parking area having two (2”) inch slope to the vehicle entrance door”.

Section R311 Exits

R311.1 Exit door(s). Change—one exit door, to two exit doors

R314.2 Stair Riser. Change from 7 3/4 inches to 8 inches.

d. Section R327 Flood-Resistant Construction

R327.1 General. Shall read; All buildings and structures erected in flood prone areas as shown on the Village FEMA maps, shall be constructed in accordance with Water Shed Development Ordinance. R327.1.1 through R327.3.5 shall be deleted. A new section R327.2 Shall read “As-built elevation certification. An elevation certificate shall be provided to the building department for all new or substantially remodeled homes in the flood plain, prior to the issuance of an occupancy certificate.

3. Chapter 4—Foundations

All references to wood foundations are hereby deleted from this code.

R403.1.1 Minimum size. Shall read “Due to the wide variety of soil conditions in the Village, the minimum size footing shall be eight (8”) inches thick with a projection of at least half the wall thickness on each side of the wall. A minimum of two number four (4) rebars is required in all footings. Footings shall be designed based on building load and soil conditions.

Figure R403.1 (1) Concrete and Masonry Foundation Details.—The minimum slab thickness shall be four (4”) inches. The minimum width slab on grade footing and a grade beam is twelve (12”) inches. The minimum of a foundation wall is eight (8”) inches. Pier foundations shall only be allowed on exterior decks without roofs or enclosures.

4. Chapter 5 Floors

Section R502 Wood Floor Framing

R502.1 General—To be added to this paragraph all floor framing shall be a maximum of sixteen (16”) inches on center. The minimum grade lumber for floor framing is number two (2) grade. Engineered floor systems are to be installed to manufacturers specifications.

R502.3 Allowable joist spans. Table R502.3.1 (1) and 30 psf are deleted from this section and replaced with Table R502.3.1 (2), and 40 psf.

R502.3.1—is hereby deleted.

National Electric Code 2002

6-1-1-3 NATIONAL ELECTRIC CODE:

- A. The 2002 edition of the National Electric Code is hereby adopted by reference in its entirety as the official electrical code of the Village subject to the modifications hereinafter set forth and any amendments hereinafter made by the Board of Trustees and shall hereinafter be applicable in the Village.
- B. Three (3) copies of the electrical code and supplements herein adopted shall be kept on file in the office of the Village Clerk for public inspection and use.
- C. Any person violating any provision of this code shall be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for each offense; and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.
- D. The following revisions to the standard form of the National Electrical Code shall apply within the Village:

314.43 Nonmetallic Boxes: Nonmetallic boxes shall not be used in any concealed locations. Nonmetallic boxes shall not be used in the interior of any structure.

ARTICLE 394 – Concealed Knob-and-Tube Wiring

Article 394 is hereby deleted in its entirety.

2006 International Property Maintenance Code

6-2-1-A The 2006 edition of the International Property Maintenance Code is hereby adopted by reference in its entirety as the official property maintenance code of the Village subject to the modifications hereinafter set forth and any amendments hereinafter made by the Board of Trustees and shall hereinafter be applicable in the Village. Three (3) copies of the Property Maintenance Code and supplements herein adopted shall be kept on file in the office of the village clerk for public inspection and use. The following revisions to the standard form of the International Property Maintenance Code shall apply within the Village:

- 101.1 Title.** These regulations shall be known as the Property Maintenance Code of the Village of Fox Lake, hereinafter referred to as “this code.”
- 103.1 General.** The department of property maintenance inspection is hereby created and the executive official in charge thereof shall be known as the Building Department and Community Service Officer.
- 103.2 Deputies.** In accordance with the prescribed procedures of this jurisdiction and with the concurrence of the appointing authority, the code official or Police Chief shall have the authority to appoint a deputy code official, Community Service Officer, other related technical officers, inspectors and other employees.

C. Any person violating any provision of this code shall be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for each offense; and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.

D. The following revisions to the standard form of the International Mechanical Code shall apply within the Village:

101.1 Title. These regulations shall be known as the *Mechanical Code* of the Village of Fox Lake, hereinafter referred to as “this code.”

106.5.2 Fee Schedule. The fees for mechanical work shall be as indicated in the following schedule: (Reference current Village Fee Schedule).

106.5.3. Fee refunds. The code official shall authorize the refunding of fees as follows.

1. The full amount of any fee paid hereunder which was erroneously paid or collected.
2. Not more than 75 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code.
3. Not more than 75 percent of the plan review fee paid when an application for a permit for which a plan review fee has been paid is withdrawn or canceled before any plan review effort has been expended.

The code official shall not authorize the refunding of any fee paid, except upon written application filed by the original permittee not later than 180 days after the date of fee payment.

108.4 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 or repair mechanical work in violation of the approved construction documents or directive of the code official, or of a permit or certificate issued under the provisions of this code, shall be prosecuted to the fullest extent of the law. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

108.5. Stop Work Orders. Upon notice from the code official that mechanical work is being done contrary to the provisions of this code or in a dangerous or unsafe manner, such work shall immediately cease. Such notice shall be in writing and shall be given to the owner of the property, the owner’s agent, or the person doing the work. The notice shall state the conditions under which work is authorized to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work. Any person who shall continue any work on the system 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 for a fine of not less than \$50.00 or more than \$750.00 dollars.

5. Chapter 6 Wall Construction

R601.2 Requirements—To be added to this section, “All wall framing shall be sixteen (16”) inches on center”.

R602.8.1 Materials—to be deleted from paragraph “or glass fiber”.

R602.1.1 Unfaced fiberglass. To be deleted in its entirety.

6. Chapter 8 Roof-Ceiling construction

Section R802 Wood Roof Framing—Traditionally framed roofs shall be sixteen (16”) inches on center. Minimum grade lumber used for framing to be number two (2) grade.

Section R802.11—is hereby deleted and replaced with “Roof tie downs are required on all structures covered by this Code”.

7. Chapter 26—General Plumbing requirements.

Section P2601 General—Deleted and replaced with; “The provisions of this chapter are intended as a guide to installation. Plumbing shall be installed in accordance with the current State of Illinois Plumbing Code plus Village amendments. Any conflict between this chapter and the State Code, the provisions of the State Code shall apply.

Chapter 27 Plumbing—Is hereby deleted, and replaced by the Illinois State Plumbing Code.

Chapter 28—Water Heaters; Is hereby deleted by the State of Illinois Plumbing Code.

Chapter 29—Water Supply and Distribution—Is hereby deleted, and replaced with the Illinois State Plumbing Code plus Village amendments.

Chapter 30—Sanitary Drainage; Is hereby replaced by the current State of Illinois Plumbing Code plus Village amendments.

Chapter 31—Vents; Is hereby deleted, and replaced by the current Illinois Plumbing Code.

Chapter 32—Is hereby deleted and replaced by the current Illinois Plumbing Code.

International Building Code 2006:

6-1-1-1 : The International Building Code 2006

- A. The 2006 edition of the International Building Code is hereby adopted by reference in its entirety as the official building code of the Village subject to the modifications hereinafter set forth and any amendments hereinafter made by the board of trustees and shall hereinafter be applicable in the Village.
- B. Three (3) copies of the building code and supplements herein adopted shall be kept on file in the office of the village clerk for public inspection and use.

- C. Any person violating any provision of this code shall be fined not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00) for each offense; and a separate offense shall be deemed committed on each day during or on which a violation occurs or continues.
- D. The following revisions to the standard form of the International Building Code shall apply within the Village:

101.1 Title. These regulations shall be known as the *Building Code* of the Village of Fox Lake, hereinafter referred to as “this code.”

105.2 Work exempt from permit. Exemptions from permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction. Permits shall not be required for the following:
(Delete # 1,2,3,5,6, & 8)

- 4. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding Class I, II or IIIA liquids.
- 7. Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work.
- 9. Prefabricated swimming pools accessory to a Group R-3 occupancy that are less than 24 inches (610 mm) deep, do not exceed 5,000 gallons (18925 L) and are installed entirely above ground.
- 10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
- 11. Swings and other playground equipment accessory to detached one- and two-family dwellings.
- 12. Window awnings supported by an exterior wall that do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support of Group R-3 and U occupancies.
- 13. Non-fixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches (1753 mm) in height.

Electrical:

Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

APPENDIX C

Section C105 - Distribution of Fire Hydrants

C105.1 Hydrant spacing. Maximum distance between fire hydrants shall not exceed 300 ft. Location shall be approved by the AHU.

4-4A-3: ENFORCEMENT: The code hereby adopted shall be enforced by the Chief of the Fire Department or his designee and the Chief of Police or his designee.

4-4A-4: APPEALS: Whenever the Chief of the Fire Department or other enforcing officer shall disapprove an application or refuse to grant the permit applied for, or when it is claimed that provisions of the code do not apply or that the true intent and meaning of the code have been misconstrued or wrongly interpreted, the applicant may appeal from such decision to the Village Fire and Rescue Committee consisting of certain Village Trustees appointed for this purpose, within thirty (30) days from the date of the decision being appealed. In the event of a decision of the Fire and Rescue Committee adverse to the applicant, the applicant may then appeal to the Board of Trustees within thirty (30) days from the date of the decision of the Fire and Rescue Committee.

4-4A-5: FIRE LANES: The Chief of the Fire Department may contract with owners of private property for the establishment of fire lanes on private property if said property is devoted to public use.

4-4A-6: DISTRICTS FOR STORAGE AND ROUTES FOR TRANSPORTING FLAMMABLE LIQUIDS, EXPLOSIVES OR CHEMICALS:

- A. No Storage of explosives and blasting agents, storage of flammable liquids and outside aboveground tanks and bulk storage of liquefied petroleum gases is permitted within the Village without approval of the chief of the Fire Department.
- B. Establishment of motor vehicle routes for vehicles transporting explosives and blasting agents: Federal and State highways only.
- C. Establishment of motor vehicle routes for vehicles transporting hazardous chemicals or other dangerous articles: Federal and State highways only.

2006 International Mechanical Code

6-1-1-5 INTERNATIONAL MECHANICAL CODE

- A. The 2006 edition of the International Mechanical Code is hereby adopted by reference in its entirety as the official mechanical code of the Village subject to the modifications hereinafter set forth and any amendments hereinafter made by the Board of Trustees and shall hereinafter be applicable in the Village.
- B. Three (3) copies of the mechanical code and supplements herein adopted shall be kept on file in the office of the Village Clerk for public inspection and use.

907.4.1 Location. Manual fire alarm boxes shall be located not more than 5 feet (1524 mm) from the entrance to each exit. Additional manual fire alarm boxes shall be located to that travel distance to the nearest box does not exceed 200 feet (60 960 mm).

907.12 Duct smoke detectors. Duct smoke detectors shall be connected to the building's fire alarm control panel when a fire alarm system is provided. Activation of a duct smoke detector shall initiate a visible and audible true signal at a constantly attended location. Duct smoke detectors shall not be used as a substitute for required open area detection.

Exceptions:

1. The true signal at a constantly attended location is not required where duct smoke detectors activate the building's alarm notification appliances.
2. In occupancies not required to be equipped with a fire alarm system, activation of a smoke detector shall activate a visible and an audible signal in an approved location and shall be identified as air duct detector trouble.

Section 3.

3204.3.1.1

Location. Stationary containers shall be located in accordance with Section 3203.6. Containers of cryogenic fluids shall not be located within diked areas containing other hazardous materials.

Storage of flammable cryogenic fluids in stationary containers outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited.

3404.2.9.5.1

Location where above-ground tanks are prohibited. Storage of Class I and II liquids in above-ground tanks outside of buildings is prohibited within the limits established by law as the limits of districts in which such storage is prohibited.

3406.2.4.4

Location where above-ground tanks are prohibited. The storage of Class I and II liquids in above-ground tanks is prohibited within the limits established by law as the limits of districts in which such storage is prohibited.

3804.2

Maximum capacity within established limits. Within the limits established by law restricting the storage of liquefied petroleum gas for the protection of heavily populated or congested areas, the aggregate capacity of any one installation shall not exceed a water capacity of 2,000 gallons (7570 L).

Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliance.
2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.
2. Portable ventilation equipment.
3. Portable cooling unit.
5. Replacement of any part that does not alter its approval or make it unsafe.
6. Portable evaporative cooler.
7. Self-contained refrigeration system containing 10 pounds (5 kg) or less of refrigerant and actuated by motors of 1 horsepower (746 W) or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.
2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

105.8 Hours of Construction: Construction within the Village of Fox Lake shall only be done during daylight hours. Work shall not commence prior to seven (7:00) a.m. and shall cease at dusk. (Village ORD 99-45)

1612.3 Establishment of flood hazard areas. To establish flood hazard areas, the governing body shall adopt a flood hazard map and supporting data. The flood hazard map shall include, at minimum, areas of special flood hazard as identified by the Federal Emergency Management Agency in an engineering report entitled "The Flood Insurance Study for the Village of Fox Lake" dated November 16, 2006, as amended or revised with the accompanying Flood Insurance Rate Map (FIRM) and Flood Boundary and Floodway Map (FBFM) and related supporting data along with any revisions thereto. The adopted flood hazard map and supporting data are hereby adopted by reference and declared to be part of this section.

3410.2 Applicability. Structures existing prior to January 1, 1985, in which there is work involving additions, alterations or changes of occupancy shall be made to conform to the requirements of this section or the provisions of Sections 3403 through 3407. The provisions in Sections 3410.2.1 through 3410.2.5 shall apply to existing occupancies that will continue to be, or are proposed to be, in Groups A,B,E,F,M,R,S and U. These provisions shall not apply to buildings with occupancies in Group H or I.

3410.2.1 **Change in occupancy.** Where an existing building is changed to a new occupancy classification and this section is applicable, the provisions of this section for the new occupancy shall be used to determine compliance with this code.

3410.2.2 **Partial change in occupancy.**
Where a portion of the building is changed to a new occupancy classification, and that portion is separated from the remainder of the building with fire barrier wall assemblies having a fire resistance rating as required by Table 302.3.2 for the separate occupancies, or with approved compliance alternatives, the portion changed shall be made to conform to the provisions of this section.

Where a portion of the building is changed to a new occupancy classification, and that portion is not separated from the remainder of the building with the fire separation assemblies having a fire-resistance rating as required by Table 302.3.2 for the separate occupancies, or with approved compliance alternatives, the provisions of this section which apply to each occupancy shall apply to the entire building. Where there are conflicting provisions, those requirements which secure the greater public safety shall apply to the entire building or structure.

3410.2.3 **Additions.** Additions to existing buildings shall comply with the requirements of this code for new construction. The combined height and area of the existing building and the new addition shall not exceed the height and area allowed by Chapter 5. Where a fire wall that complies with Section 705 is provided between the addition and the existing building, the addition shall be considered a separate building.

3410.2.4 **Alterations and repairs.** An existing building or portion thereof, which does not comply with the requirements of this code for new construction, shall not be altered or repaired in such a manner that results in the building being less safe or sanitary than such building is currently. If, in the alteration or repair, the current level of safety or sanitation is to be reduced, the portion altered or repaired shall conform to the requirements of Chapters 2 through 12 and Chapters 14 through 33.

3410.2.4.1 **Flood Hazard Areas.** For existing buildings located in flood hazard areas established in Section 1612.3, if the alterations and repairs constitute substantial improvement of the existing building, the existing building shall be brought into compliance with the requirements for new construction for flood design.

3410.2.5 **Accessibility requirements.** All portions of the buildings proposed for change of occupancy shall conform to the accessibility provisions of Chapter 11.

Chapter 29 **Plumbing Systems:** To be deleted and replaced by the current Illinois State Plumbing Code and Village Amendments.
(200, 200, 00)

907.2.7 **Group M.** A manual fire alarm system shall be installed in Group M occupancies having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge. The initiation of a signal from a manual fire alarm box shall initiate alarm notification appliances as required by Section 907.10. (Removed Exception)

907.2.8.1 **Manual fire alarm systems.** A manual fire alarm system shall be installed in Group R-1 occupancies.
(Removed Exception)

907.2.9 **Group R-2.** A manual fire alarm system shall be installed in Group R-2 occupancies where:

1. Any dwelling unit or sleeping unit is located three or more stories above the lowest level of exit discharge;
2. Any dwelling unit or sleeping unit is located more than one story below the highest level of exit discharge of exits serving the dwelling unit or sleeping unit; or
3. The building contains more than 16 dwelling units or sleeping units.
(Removed Exception)

907.2.12 **High Rise Buildings.** Buildings with a floor used for human occupancy located more than 75 feet above the lowest level of fire department vehicle access shall be provided with an automatic fire alarm system and an emergency voice/alarm communication system in accordance with Section 907.2.12.2.
(Removed All Exceptions)

907.2.12.2. Emergency voice/alarm communication system. The operation of any automatic fire detector, sprinkler water-flow device or manual fire alarm box shall automatically sound an alert tone followed by voice instructions giving approved information and directions for a general or staged evacuation on a minimum of the alarming floor, the floor above, and the floor below in accordance with the building's fire safety and evacuation plans required by Section 404. Speakers shall be provided throughout the building by paging zones. As a minimum, paging zones shall be provided as follows:

1. Elevator groups.
2. Exit stairways.
3. Each floor.
4. Areas of refuge as defined in Section 1002.1.
(Removed Exception)

907.4 **Manual fire alarm boxes.** Manual fire alarm boxes shall be installed in accordance with Sections 907.4.1 through 907.4.5.

903.4.1. Signals. Alarm supervisory and trouble signals shall be distinctly different and shall be automatically transmitted by radio transmission to Village of Fox Lake Dispatch Center as defined in NFPA 72 or, when approved by the fire code official, shall sound an audible signal at a constantly attended location.

Exceptions:

1. Underground key or hub valves in roadway boxes provided by the municipality or public utility are not required to be monitored.
2. Backflow prevention device test valves, located in limited area sprinkler system supply piping, shall be locked in the open position. In occupancies required to be equipped with a fire alarm system, the backflow preventer valves shall be electrically supervised by a tamper switch installed in accordance with NFPA 72 and separately annunciated.

905.3 Standpipe Systems / Required Installations. Any location that is more than 150 ft. from the Fire Engine. Location to be approved by AHJ.

907.2.1. Group A. A manual fire alarm system shall be installed in Group A occupancies having an occupant load of 300 or more. Portions of Group E occupancies occupied for assembly purposes shall be provided with a fire alarm system as required for the Group E. occupancy.
(Removed Exception)

907.2.2. Group B. A manual fire alarm system shall be installed in Group B occupancies having an occupant load of 500 or more persons or more than 100 persons above or below the lowest level of exit discharge.
(Removed Exception)

907.2.3. Group E. A manual fire alarm system shall be installed in Group E occupancies. When automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system.
(Removed Exception 1 thru 3)

907.2.4. Group F. A manual fire alarm system shall be installed in Group F occupancies that are two or more stories in height and have an occupant load of 500 or more above or below the lowest level of exit discharge.
(Removed Exception)

907.2.6. Group I. A manual fire alarm system and an automatic fire detection system shall be installed in Group I occupancies. An electrically supervised, automatic smoke detection system shall be provided in accordance with Sections 907.2.6.1 and 907.2.6.2..
(Removed Exception)

907.2.6.3.2. Manual fire alarm boxes. (Removed first paragraph) Manual fire alarm boxes are allowed to be locked in areas occupied by detainees, provided that staff members are present within the subject area and have keys readily available to operate the manual fire alarm boxes.

2006 International Fire Code

ARTICLE A. FIRE PREVENTION CODE AND STANDARDS

SECTION

4-4A-1:	Adoption of Code
4-4A-2:	Modifications
4-4A-3:	Enforcement
4-4A-4:	Appeals
4-4A-5:	Fire Lanes
4-4A-6:	Districts For Storage And Routes For Transporting Flammable Liquids, Explosives Or Chemicals

4-4A-1 ADOPTION OF CODES

- A. The 2006 Edition of the International Fire Code, and all amendments and supplements thereto, are hereby adopted as the Fire Code of the Village, for the purpose of establishing standards for the safeguarding, to a reasonable degree, of life and property from the hazards of fire and explosion arising from the storage, handling and use of hazardous substances, materials and devices, and from conditions hazardous to life of property in the use or occupancy of buildings or premises, subject to certain revisions as hereinafter set forth.
- B. Not less than three (3) copies of said code have been and now are filed in the office of the Village Clerk and are adopted as fully as if set out at length herein, and from the date on which this Section shall take effect, the provisions thereof shall be controlling in the Village.

4-4A-2 MODIFICATIONS

- A. The Board of Trustees shall have the power to modify any of the provisions of this Fire Code upon its own motion or upon application in writing by the owner or lessee, or his authorized agent, when there are practical difficulties in the way of carrying out the strict letter of the code, provided that the spirit of the code shall be observed, public safety secured and substantial justice done. Particulars of such modification, when granted or allowed, and the decision of the Board of Trustees thereof shall be entered upon the Village records and a signed copy shall be furnished to the applicant.
- B. The following revisions to the 2006 Edition of the International Fire Code shall apply within the Village:

101.1 Title. These regulations shall be known as the *Fire Code* of the Village of Fox Lake, hereinafter referred to as "this code."

109.3 Violation penalties: Persons who shall violate a provision of this code, or shall fail to comply therewith, or 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 used under provisions of this code, shall be prosecuted to the fullest extent of the law. Each day that a violation continues after due notice has been served shall be deemed a separate offense.

109.3.1 Abatement of violation. In addition to the imposition of the penalties herein described, the fire code official is authorized to institute appropriate action to prevent unlawful construction or to restrain, correct or abate a violation; or to prevent illegal occupancy of a structure or premises; or to stop an illegal, act, conduct of business or occupancy of a structure on or about any premises.

111.4 Failure to comply. Any person who shall continue any work after having been served with a stop work order, except such work as that person is directed to perform to remove a violation or unsafe condition, shall be liable to a fine of not less than \$50.00 or more than \$750.00.

903.2.1.1. Group A-1. An automatic sprinkler system shall be provided for Group A-1 occupancies where one of the following conditions exists:

1. The fire area exceeds 0 sq. ft.;
2. The fire area has an occupant load of 300 or more;
3. The fire area is located on a floor other than the level of exit discharge; or
4. The fire area contains a multi-theater complex.

903.2.1.2. Group A-2. An automatic sprinkler system shall be provided for Group A-2 occupancies where one of the following conditions exists:

1. The fire area exceeds 0 sq. ft.;
2. The fire area has an occupant load of 300 or more; or
3. The fire area is located on a floor other than the level of exit discharge.

903.2.1.3 Group A-3. An automatic sprinkler system shall be provided for Group A-3 occupancies where one of the following conditions exists:

1. The fire area exceeds 0 sq. ft.
2. The fire area has an occupant load of 300 or more; or
3. The fire area is located on a floor other than the level of exit discharge.
(Removed Exception)

903.2.1.4 Group A-4. An automatic sprinkler system shall be provided for Group A-4 occupancies where one of the following conditions exists:

1. The fire area exceeds 0 sq. ft.;
2. The fire area has an occupant load of 300 or more; or
3. The fire area is located on a floor other than the level of exit discharge.
(Removed Exception)

903.2.1.5 Use Group A-5. An automatic sprinkler system shall be provided in concession stands, retail areas, press boxes, and other accessory use areas in excess of 0 sq. ft.

903.2.2 Use Group E An automatic sprinkler system shall be provided for Group E occupancies as follows:

1. Throughout all Group E Fire areas greater than 0 square feet in area.
2. Throughout every portion of educational buildings below the level of exit discharge.
(Removed Exception)

903.2.3

Group F-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group F-1 occupancy where one of the following conditions exist:

1. Where a Group F-1 fire area exceeds 0 square feet;
2. Where a Group F-1 fire area is located more than three stories above grade; or
3. Where the combined area of all group F-1 fire areas on all floors, including any mezzanines, exceeds 0 square feet.

903.2.3.1 Woodworking operations. An automatic sprinkler system shall be provided throughout all Group F-1 occupancy fire areas that contain wood working operations in excess of 0 square feet in area which generate finely divided combustible waste or which use finely divided combustible materials.

903.2.6

Group M. An automatic sprinkler system shall be provided throughout buildings containing a Group M occupancy where one of the following conditions exists:

1. Where a Group M fire area exceeds 0 square feet.
2. Where a Group M fire area is located more than three stories above grade; or
3. Where the combined area of all Group M fire areas on all floors, including any mezzanines, exceeds 0 square feet.

903.2.8

Group S-1. An automatic sprinkler system shall be provided throughout all buildings containing a Group S-1 occupancy where one of the following conditions exist:

1. Where a Group S-1 fire area exceeds 0 square feet.
2. Where Group S-1 fire area is located more than three stories above grade: or
3. Where the combined area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 0 Square feet.

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

1. Buildings two or more stories in height, including basements, with a fire area containing a repair garage exceeding 0 square feet.
2. One-story buildings with a fire area containing a repair garage exceeding 0 square feet.
3. Buildings with a repair garage servicing vehicles parked in the basement.

903.2.8.2. Bulk storage of tires. Buildings and structures where the area for the storage of tires exceeds 0 cubic feet shall be equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1.

903.2.9.

Group S-2. An automatic sprinkler system shall be provided throughout buildings classified as enclosed parking garages in accordance with Section 406.4 of the *International Building Code* or where located beneath other groups.
(Removed Exception)

903.2.9.1. Commercial parking garages. An automatic sp rinkler system shall be provided throughout buildings used for storage of commercial trucks or buses where the fire area exceeds 0 square feet.