

CHAPTER 5

FIRE CODE

SECTION:

- 5-5-1: Adoption**
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- 5-5-3-1: Definitions**
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5-5-1: ADOPTION:

A certain document entitled "International Fire Code 2006", 1st printing January 2006, published by International Code Council Inc., 4051 West Flossmoor Road, Country Club Hills, Illinois, 60478 be and hereby is adopted as the "Fire Code for the Village of Orland Park," for the control of buildings and structures as provided; and each and all of the regulations, provisions, penalties, conditions and terms of said "ICC International Fire Code 2006" are adopted and made a part hereof, as if fully set out in this Code with the additions, insertions, deletions and changes prescribed in this Chapter.

A copy of the rules and regulations of the "ICC International Fire Code 2006" printed in book form was on file in the office of the Village Clerk for more than thirty (30) days prior to the adoption of this Code, and has been and is available for inspection. Reference in this Chapter to "this Code" is a reference to the "ICC International Fire Code 2006" and such reference includes that document and any amendments, or supplements thereto. References in this Code to "the building code" shall mean the Village's Building Code as set forth in Chapter 1 of this Title 5.

5-5-2 AMENDMENTS:

The above Code is amended and changed as follows:

Section 100 shall read as follows:

101.1 TITLE: These regulations shall be known as the "Fire Code of the Village of Orland Park" and hereinafter referred to as "this code".

Section 101.2 shall be amended to read in its entirety as follows:

101.2 SCOPE: The purpose and intent of this code is to prescribe minimum requirements to safeguard life, property, and public welfare from the hazard of fire and explosion as they directly relate to the Village of Orland Park Building Departments enforcement of the Building Code, Existing Structures Code and other Codes and Ordinances within the Village authority of regulation.

Section 101.5.1 is added to read as follows:

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101.5.1 Conflicting Code Information. In the event this code or any portion thereof shall be in conflict with the Village of Orland Park, Village Code, Ordinance 2989, the Village of Orland Park, Village Code, Ordinance 2989 shall apply .

Section-103.1 shall be amended to read in its entirety as follows:

103.1 ENFORCEMENT OFFICER: It shall be the duty and responsibility of the Fire Protection District of the applicable taxing boundary to enforce sections and provisions of the code under the authority of the Village of Orland Park. Where a Fire District will not enforce the provisions of this Code, the Village will administer this function.

Section-103.2 shall be amended to read in its entirety as follows:

103.2 APPOINTMENT: The fire code official shall be appointed by the Village of Orland Park 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. The Fire Code Official may designate code enforcement operations to the Fire Protection Code Official, where the words Fire Code Official is referenced in this code (See Section 202).

Section 105.1.1 shall be revised to read as follows:

105.1.1 PERMITS REQUIRED Permits required. Permits required by this code shall be obtained from the fire code official. Permit fees per Village Code Title 5 Chapter 2, shall be paid prior to issuance of the permit. Issued permits shall be kept on the premises designated therein at all times and shall be readily available for inspection by the fire code official.

105.1.1.1 Permit Plans: Fire protection plans shall be submitted prior to any construction or alterations of fire protection systems. Construction Plans shall be approved by the applicable Fire District. See Section 901.3.1 of this code.

Section 106.5 shall be added to read in its entirety as follows:

106.5 COORDINATED INSPECTION: The Fire Prevention Code Official shall coordinate to the extent possible fire prevention inspections with the Orland Park Building Department during rough and final inspections and business license inspections for the purpose of not subjecting owners and occupants of structures to numerous visits by inspectors with multiple or conflicting orders.

Section 108.3 shall be amended to read in its entirety as follows:

108.3 MEMBERS OF BOARD: The Board of Appeals shall consist of five members appointed by the Village President with the advice and consent of the Village Board of Trustees. The Board members shall be qualified by experience and training to rule on matters pertaining to building construction. The Chair shall be a Village Trustee, two members shall be from the Village Building Department and two members shall be from the Fire Prevention Bureau. They shall serve staggered terms.

Section 109.3 shall be amended to read as follows:

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109.3 VIOLATION PENALTIES: Any person who shall violate a provision of this code or shall fail to comply with any of the requirements thereof or who shall erect, construct, alter or repair a fire protection system in violation of an approved plan or directive of the code official, or a permit or certificate issued under the provisions of this code, shall be subject to the penalty as described in this code (5-5-4) and The Village Code Title 1 Chapter 4. or as specified by other adopted ordinances.

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.

Section 111.4 shall be revised to read as follows:

Stop Work 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 as stated in Title 5 Chapter 2 -14 and/or other penalties as regulated by the Village Code.

Section 201.4 shall be amended to read in its entirety as follows:

201.4 TERMS NOT DEFINED: Where terms are not defined in this code and are defined in the building, mechanical, plumbing or reference standards (Chapter 45), such terms shall have the meanings ascribed to them as in those codes.

Section 202 shall include or revise the following definitions:

202.0: GENERAL DEFINITIONS: Shall be amended and added with the following revisions:

Fire District	The Orland, Mokena, Palos, Tinley or Oak Forest Fire Protection Districts.
Fire Code Official	The Code Official of the Village of Orland Park.
Fire Prevention Code Official	The Official of the Fire District designated to perform inspections, testing and maintenance operations as regulated under this code.
Fire Official	The highest ranking officer of the Fire District on duty at any time.
Fire Marshal	The Chief of the Fire District
Fire Prevention Bureau	The division of the Fire District which implements inspection and enforcement pursuant to this code.

Section 307.1 shall be amended to read in its entirety as follows:

307.1 OPEN BURNING GENERAL: A person shall not cause or allow open burning except as provided for in sections 307.2 and 307.2.2; except that the burning of organic horticultural landscape waste shall be controlled by Title 6, Chapter 5 of the Village Code.

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Section 307.2 shall be amended to read as follows:

307.2 OPEN BURNING-PERMIT REQUIRED: Open burning shall be allowed after obtaining a permit from the Fire Protection District. Open Burning Permits shall be granted pursuant to meeting the Fire Safety requirement of this Code and as allowed by the Fire Code Official and the Fire Prevention Code Official.

Exceptions:

1. Small residential recreational fires are permitted in approved containers that are not less than 15 feet (4572 mm) from a structure, lot line, trees, landscaping or types of combustibles.
2. Small open residential recreational fires are allowed with a minimum required distance from a structure of at least 25 feet (7620 mm) where the pile size is 3 feet (914 mm) or less in diameter and 2 feet (610 mm) or less in height. Conditions which could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition. Open burning permits shall not violate any other provisions of the Village Code.

Section 307.2.2 shall be amended to read as follows:

307.2.2 OPEN BURNING-NO PERMIT REQUIRED: Open burning shall be allowed without prior notification to the Fire Code Official for highway flares, smudge pots and similar occupational needs.

Section 307.4 shall be amended to read as follows:

307.4 LOCATION: The location of any open burning shall not be less than 1,000 feet from any structure and provisions shall be made to prevent the fire from spreading to within 1,000 feet of any structure for Dutch Elm Disease Control, silvicultural or range or wildlife management practices, prevention or control of disease or pests

Section 310.9 shall be added to read in its entirety as follows:

310.9 NO SMOKING ORDINANCE: The Village of Orland Park "No Smoking Ordinance –Title 6, Chapter 2-2-2-12 shall be followed as amended.

Section 502 the following definition shall be added:

Authorized Emergency Vehicle: Authorized emergency vehicles shall be restricted to those which are defined and authorized under the laws of the State of Illinois.

Section 503.7 shall be added to read in its entirety as follows and Sections 503.7.1 and 503.7.2 are added:

503.7 FIRE LANE DESIGNATION: The fire code official shall require and designate public and private fire lanes as deemed necessary for effective and efficient operation of fire apparatus. Fire

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lanes shall have a minimum width of 18 feet. Turn arounds shall be provided at the ends of all dead end fire lanes that exceed 150 feet. All cul-de-sacs shall have a minimum diameter of 90

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feet if parking is allowed. A center island with non-raised curb and a fifteen foot diameter is allowed with no parking in the cul-de-sac.

503.7.1 PAVED FIRE LANES ON PRIVATE PROPERTY: Fire lanes on private property, devoted to public use, shall be provided so that the first responding fire district pumper unit will be able to be so located that all points of the interior of the building may be reached by 150 feet of initial attack hose. EXCEPTION: Where the size or height or location of the building does not allow this regulation to be met, an interior standpipe system, equipped with fire department hose connections approved by the Fire Prevention Bureau shall be required. The standpipe system shall be connected to a public water system, and shall have a fire department connection installed per NFPA 13 as listed in Chapter 45.

503.7.2 FIRE LANE PUBLIC OR PRIVATE ACCESS FOR FIRE APPARATUS: Public or private access shall be provided for fire apparatus when the building is three (3) stories or higher. The fire lane access for an aerial ladder and/or mechanically elevated mechanism shall be provided to cover 3/4 (75%) of all exterior building walls. Fire Lanes shall also be designed using the requirements of the Village Code Title 9-7-10 and items listed below.

- 1) **Width of Paved Fire Lanes:** The minimum width of fire lanes shall be 18 feet, and an inside radius of 45 feet shall be provided to accommodate vehicles when turning. The fire lanes shall be placed 25 feet from the building to the edge of the fire lane, or 35 feet to the center of the fire lane to the building. Public parking areas used as fire lanes shall have 25 feet to the rear of parking spaces from the building, and 24 feet of open area to the rear of the parking spaces.
- 2) **Paved Fire lane Turn-Arounds:** Fire lane turn-arounds shall have an inside radius of 45 feet and shall have a driving area width of 27 feet in order to accommodate vehicles.
- 3) **Weight Load of a Paved Fire Lane:** The weight load that a fire lane shall support is a minimum of 72,000 lbs.

Section 505.1 shall be revised to read as follows:

505.1 ADDRESS NUMBERS: New and existing building address numbers shall be placed on the front of all buildings (facing the street right of way) conforming with the requirements of the Village Building Code 5-1-13 Section 511.1. Also See Section 4612 of this Code.

Section 506.1 shall be revised to read as follows:

506.1 KEY BOXES WHERE REQUIRED: A keyed knox-box shall be installed on all commercial buildings as required by the Village Building Code 5 1-13 as amended (901.8). Subsection 506.1.1 Locks shall be included as part of this Section.

Section 508.1 shall be revised to read as follows:

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508.1 REQUIRED WATER SUPPLY: The Fire Prevention Bureau shall work in conjunction with the Official of the Village on the location or relocation of new or existing fire hydrants and the

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placement of water mains or replacement of inadequate water mains located upon public property; deemed necessary to provide an adequate fire flow and distribution pattern.

- 1) This section applies to newly constructed buildings and structures and to those having the area of height of the building or structure enlarged.
- 2) All buildings or structures shall be served by a public water supply system meeting these criteria. This system shall be under pressure with an average static pressure of not less than 35 pounds per square inch (psi). Flow tests shall be conducted in accordance with NFPA 291 listed in Chapter 44. Flow tests shall be calculated at 20 psi residual pressure. The supplies shall be available for a four hour duration.
- 3) No part of any building or structure shall be over 300 feet from at least one public fire hydrant.

Section 508.1 shall be revised to read as follows:

508.5.1 FIRE HYDRANTS WHERE REQUIRED: All new and existing oil storage, lumber yards, amusement or exhibition parks, and educational or institutional complexes and similar occupancies and used involving high fire or life hazards, and which are located more than 150 feet from a public street or which require quantities of water beyond the capabilities of the public water distribution system shall be provided with properly placed fire hydrants. Such fire hydrants shall be capable of supplying fire flows as required by the fire code official and shall be connected to a water system in accordance with accepted engineering practices. The fire code official shall designate and approve the number and location of fire hydrants. The fire code official may require the installation of sufficient fire hose and equipment housed in accordance with the approved rules and may require the establishment of a trained fire brigade when the hazard involved requires such measures. The Village Land Development Code 6-410 B. 6 "Fire Hydrant Spacing", shall apply for location regulations of Village Fire Hydrants.

- 1) Fire hydrants should be located along public streets so that no portion of the building or structure will be over 300 feet from a single fire hydrant. Where this is not possible, additional hydrants should be located on the premises accessible to motorized fire apparatus. .
- 2) One hydrant shall be located at each intersection and intermediate hydrants where distance between intersections exceeds 400 feet.
- 3) Where streets or parking lots dead end, hydrants shall be placed along the access route.
- 4) At lease one fire hydrant shall be located within 300 feet of the building.
- 5) Additional fire hydrants shall be provided within 500 feet of the building so

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that the fire flow required divided by 1000 will equal the number of hydrants available.

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- 6) Hydrants should be so located that:
 - 1) Hydrants will be located approximately ten (10) feet from all weather roadways if this cannot be done, the closest part of the hydrant shall be set back at least two (2) from the curb line.
 - 2) No fire hydrants may be installed on underground building water service lines.
 - 3) Access to fire hydrants shall be by all-weather roadways adequate in width, clearance and strength for firefighting purposes. Such routes shall be maintained accessible during all seasons of the year.
- 7) Fire hydrants used in conjunction with water supplies shall meet the standards of the American Water Works Association Standard No. C-502, and shall have two 2 1/2 inch and one 4 1/2 inch outlets with auxiliary gate valves on the hydrant branch line. Threads shall be American National Standard. Four and one-half (4 1/2) inch outlets shall face roadways.
- 8) All new and existing fire hydrants shall be color coded in accordance with NFPA 291 (Chapter 3) listed in Chapter 44. Hydrants rated at less than 20 psi shall have the rated pressure stenciled in black on the hydrant cap.

Section 605.5 shall be amended to read in its entirety:

605.5 EXTENSION CORDS: Extension cords and flexible cords shall not be a substitute for permanent wiring. Extension cords and flexible cords shall not be affixed to structures; extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact. Type USE, SA and SJ cords shall be limited to a maximum length of six (6) feet.
Existing Model Code Subsections 605.5.1 through 605.5.4 remain applicable to this section.

Section 609.1 shall be amended to read in its entirety:

609.1 COMMERCIAL KITCHEN HOODS – GENERAL: Commercial kitchen exhaust hoods shall comply with the requirements of the ICC® International Mechanical Code and NFPA 96.

Section 901.1.1 shall be added to read:

901.1.1 BUILDING CODE CONFORMANCE: The sections and subsections of this Chapter 9 shall not conflict with any of the building code requirements shown in the Village Code 5-1-13. Where similar specification items are regulated the Building Code shall apply as determined by the Fire Code Official.

Section 901.3.1 shall be added to read as follows:

901.3.1 FIRE SPRINKLER AND ALARM PLANS: Fire protection system plans shall be

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submitted to the appropriate regulating Fire District for review and approval prior to any construction of new or change to existing equipment systems. The plans shall be signed and sealed by a State of Illinois licensed engineer. *See the Illinois Professional Engineering Practice Act (225 ILCS 325/).*

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Section 901.4.5 shall be added to read in its entirety as follows:

901.4.5 FIRE ALARM INSTALLERS: The Illinois General Assembly (225 ILCS 447/) Private Detective, Private Alarm, Private Security and Locksmith Act of 2004 has the following requirements for alarm system installers:

- 1) Private alarm contractor's license, issued by the Illinois Department of Professional Regulation, is required for an individual to be able to install, repair or modify fire alarm systems.
- 2) It is important to note that the requirements allow an exemption from obtaining a "Private Alarm Contractor's License" if the fire alarm system work is performed by a "Licensed Electrical Contractor".
- 3) If the fire alarm system is in any manner integrated or interconnected with a security related electronic system, the work must be performed by a licensed private alarm contractor.
- 4) All fire protection drawings shall be stamped by a State of Illinois Professional Engineer.

Section 901.4.6 shall be added to read in its entirety as follows:

901.4.6 FIRE SPRINKLER INSTALLERS: A copy of the Fire Sprinkler Contractor's License shall be submitted with the plans. The Office of the Illinois State Fire Marshal requires any person, partnership, corporation or other business entity that installs or repairs any fire sprinkler system in Illinois to be licensed. The Fire Sprinkler Contractor Licensing Act [225 ILCS 317/1 et seq.] establishes the minimum standards for licensure of fire sprinkler installation contractors for the purpose of protecting the public health and general welfare of the citizens of Illinois.

Sections 901.7.7 and 907.7.8 shall be added:

901.7.7 FIRE WATCH: The Fire District or the Village may require a fire watch by Fire District personnel upon any premises on which dangerous or hazardous conditions exist. Conditions that may require a fire watch shall include, but are not limited to, the following circumstances:

1. Newly constructed building opened for occupancy prior to completion of the fire safety equipment and supervision.
2. Building in which the fire safety equipment and supervision is placed out of service and will not be restored within one (1) hour.
3. Building with an occupancy greater than the posted numbers.
4. Special programs or events where there will be space for standing room over the seating area and the exits will handle both seated and standing people.

5. Situations where the fire load is greater than normal day to day operation.

901.7.8 NUMBER OF INSPECTORS: The Fire Marshal shall determine the number of personnel required for the fire watch. The owner or occupant shall be charged for the fire watch at a rate set forth by the Fire District.

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Sections 903.2 and 903.3 shall be revised to read as follows:

903.2 and 903.3 AUTOMATIC FIRE SPRINKLER SYSTEMS REQUIRED: These sections shall comply with the Village Building Code Title 5-1-13. Items not referenced in the Building Code shall be reviewed by the Fire Code Official for applicability.

Section 904.3 shall be amended to read in its entirety:

904.3 AUTOMATIC FIRE-EXTINGUISHING SYSTEM INSTALLATION: Automatic fire-extinguishing systems shall be installed in accordance with this section. All new kitchen hood automatic fire-extinguishing suppression systems and alternative automatic fire-extinguishing systems shall be supervised by the building fire alarm system.

Section 906.1 shall be amended to read in its entirety as follows:

906.1 PORTABLE FIRE EXTINGUISHERS WHERE REQUIRED: All tenant spaces and buildings except Use Groups R-3 and R-4 shall have a minimum of one (1) fire extinguisher located within five (5) feet of each exit door. All other areas shall have extinguishers installed in accordance with NFPA 10 listed in Chapter 45. All locations shall be approved by the Fire Prevention Code Official.

Section 906.2 shall be amended to read in its entirety as follows:

906.2 GENERAL REQUIREMENTS: The minimum size fire extinguisher shall have a 4A 60BC rating.

Section 906.3 shall be deleted.

Table 906.3(1) and Table 906.3(2) shall be deleted.

Section 906.4 shall be amended to read in its entirety as follows:

906.4 COOKING GREASE FIRES: All areas with a wet-chemical extinguishing system shall have a six-liter wet chemical potassium based fire extinguisher installed within the area in addition to other required fire extinguishers. Additional extinguishers may be required by the fire code official.

Section 907.1.3 shall be added to read in its entirety as follows:

Section 907.1.3: shall be added to read as follows:

FIRE ALARM PANEL LOCATION: All new fire alarm control units shall be located at the main

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entrance / exit.

Sections 907.15 and 907.15.1 are amended to read in their entirety as follows:

907.15 EXISTING FIRE PROTECTIVE SIGNALING SYSTEM: All Fire Protective Signaling shall have an approved signaling and monitoring system.

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907.15.1 FIRE ALARM MONITORING AND SUPERVISION:

1. All new fire suppression, detection and protective signaling systems installed within the Village of Orland Park shall be monitored by a listed remote station in accordance with NFPA 72 as listed in Chapter 44.
2. All existing fire suppression, detection and protective signaling systems installed within the Village of Orland Park shall be monitored by a listed remote station in accordance with NFPA 72 as listed in Chapter 44.

Section 907.20 is amended to read in its entirety as follows:

907.20 INSPECTION, TESTING AND MAINTENANCE FOR FIRE ALARM AND DETECTION SYSTEMS: The maintenance and testing schedules and procedures for all new and existing fire alarm and detection systems shall be in accordance with this section and Chapter 10 of NFPA 72.

(Subsections 907.20.1 – 907.20.5 of this Section shall be applicable)

Section 1001.1.1 shall be added to read:

1001.1.1 BUILDING CODE CONFORMANCE: The sections and subsections of this Chapter 10 shall not conflict with any of the building code requirements shown in the Village Code 5-1-13. Where similar specification items are regulated, the Building Code shall apply as determined by the Fire Code Official.

Section 1019.1.3 shall be added:

1019.1.3 SIX STORIES NUMBER OF EXITS: Every story used for human occupancy which is more than six stories above grade shall be provided with not less than two independent exits. See Title 5 Chapter 1 Building Code Amendments for Number of Required Exits.

Section 2201 shall be revised to read as follows:

2201.1 Automotive and Garage Uses Scope. Automotive motor fuel-dispensing facilities, marine motor fuel-dispensing facilities, fleet vehicle motor fuel-dispensing facilities and repair garages shall be in accordance with this chapter and the *International Building Code*, *International Fuel Gas Code* and the *International Mechanical Code*. Such operations shall include both operations that are accessible to the public and private operations. Title 5 Chapter 1 "Building Code" Section 13 amendments shall apply wherever conflicts occur between this code and the Building Code.

SECTION 2401

GENERAL

Section 2401.1 shall be revised to read as follows:

2401.1 SCOPE. Tents, canopies and membrane structures shall comply with this chapter. The provisions of Section 2403 are applicable only to temporary membrane structures. The provisions of Section 2404 are applicable to temporary and permanent membrane structures.

(Ord. 4342, 3-3-08)

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2401.1.1 shall be added:

2401.1.1 CANOPY FOR AGRICULTURAL USE: The regulations for a "Agricultural Canopy" to be allowed for an Agricultural Use, shall follow this code and the requirements of the Building Code as amended (5-1-13 Sections 202, 312.1, 501.3.2, 907.2 and Chapter 35 Appendix C)

(Ord. 4342, 3-3-08)

2401.2 VILLAGE CODE REGULATIONS: Requirements of the Land Development Code or other Village Codes amendments/restrictions shall apply to these types of structures.

Section 2703.4 shall be amended to read as follows:

2703.4 MATERIALS SAFETY DATA SHEETS: All buildings, and/or tenant spaces containing hazardous materials shall provide a Knox box document storage cabinet for placement of the MSDS sheets. The box shall be large enough to accommodate all information.

Sections 2703.4.1 through 2703.4.2 shall be added to read in their entirety as follows:

2703.4.1 HAZ-MAT KNOX BOX LOCATION: The location of the "Knox Box" shall be by the main entrance unless an alternate location is approved in writing by the Fire District.

2703.4.2 HAZ-MAT KNOX BOX MOUNTING HEIGHT: The "Knox Box" shall be mounted between a minimum of 48 inches to a maximum height of six (6) feet above the immediate surrounding grade in which a person can stand on without any assistance.

2703.4.3 KNOX BOX: All buildings, structures or tenant spaces to be supervised as required by this code shall provide a "Knox Box" for placement of keys for access to the building, structure or tenant space for fire district use in case of an emergency. Tenants in a shopping center and multi-story office building may share a "Knox Box" with other tenants. However, verification in writing from the fire district is required. There shall be a maximum of seven (7) tenants per box..

2703.4.4 BUILDING ACCESS KEYS: Building or tenant space access keys shall be provided to the Fire District to be placed in the building knox box prior to occupancy.

2703.4.5 KNOX BOX LOCATION: The location of the "Knox Box" shall be by the main entrance unless an alternate location is approved in writing by the Fire District.

2703.4.6 KNOX BOX MOUNTING HEIGHT: The "Knox Box" shall be mounted between a minimum of 48 inches to a maximum height of six (6) feet above the immediate surrounding grade in which a person can stand on without any assistance.

2703.4.7 KNOX BOX SUPERVISION: All "Knox Boxes" shall be supervised in the "trouble mode" of the fire alarm system.

Section 3301.1 shall be amended to read in its entirety as follows:

3301.1 SCOPE-FIREWORKS: Except as hereinafter provided, it shall be unlawful for any person, firm, co-partnership, or any corporation to offer for sale, display for sale, sell at retail, provide

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storage for, use or possess, manufacture fireworks or explode any fireworks within the Village of Orland Park, provided, however, the Board of Trustees of the Orland Fire Protection District shall have the right to issue a permit for the supervised public displays of fireworks, provided the applicant for such permit shall comply with the regulation hereinafter established for the issuance of such permit, in accordance with applicable state law and intergovernmental agreements entered into with underlying municipalities.

EXCEPTION: Nothing in this ordinance shall be construed to prohibit the use of fire works by railroads, public utilities, public or private carriers, or other transportation agencies for signal purposes or illumination, or the sale or use of blank cartridges, for show or theater, or for the signal or ceremonial purposes in athletics or sports, or for use by veteran or military organizations.

Section 3301.3 shall be amended to read in its entirety as follows:

3301.3 PROHIBITED EXPLOSIVES: The storage of explosives and blasting agents is prohibited.

Sections 3301.7 shall be amended to read in its entirety as follows:

3301.7 SEIZURE: The Fire Official shall seize, take, remove or cause to be removed at the expense of the owner, all stocks of fireworks or explosives offered or exposed for display or sale, stored or held in violation of this article.

Section 3305 Manufacture, Assembly and Testing of Explosives, Explosive Material and Fireworks shall be deleted.

Section 3308.1 Shall be amended to read in its entirety as follows:

3308.1 FIREWORKS DISPLAY RULES AND REGULATIONS FOR APPROVAL:

1. The supervised public display of fireworks may be permitted under the following requirements:
 - A. The person in charge of a public fireworks display shall be at the site and have a copy of the permit in his possession at all times during the set-up and display.
 - B. Due to the hazardous nature of materials involved no fireworks should be stored on location prior to set up and show time.

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- C. Persons setting up and shooting the fireworks display should be experienced and professional shooters.
- D. Sufficient security should be provided to keep all persons except company employees at least five hundred feet from display area during setup and firing.
- 2. The supplier of the fireworks should have a current State of Illinois permit number.
- 3. There shall be no trees or utility poles or any type of obstruction within fifty (50) feet of

(7/07) the firing area or range and the site shall be no less than two hundred (200) feet from railroads, highways, general public, or any other structures, nor less than six hundred (600) feet from any hospital, asylum or infirmary.
- 4. Wet the grass down around mortar continuously for a minimum of eight (8) hours before firing or to the satisfaction of the Fire Official. There shall be one mortar loader for each six (6) mortars.
- 5. The Fire District shall be at the site of the firing with a minimum of one (1) engine that is properly staffed.
- 6. Mortar holes to be drilled in a minimum three quarters (3/4) of the length of the mortar and dirt to be packed around the mortar.
- 7. Mortars shall be two (2) feet apart with the minimum distance of six (6) feet between mortars of different sizes.
- 8. Loader and shooter shall wear tight fitting non-combustible clothing and shall not have been under the influence of alcoholic beverages or drugs or controlled substances for twelve (12) hours before firing.
- 9. No firing shall take place if the wind is twenty (20) miles per hour or above.
- 10. All aerial displays shall be kept in wooden boxes with self closing covers: maximum size of thirty-six (36) inches by twenty-four (24) inches by twenty-four (24) and two (2) inches off the ground, and boxes shall be a minimum of ten (10) feet from the mortars.

Section 3308.2 Shall be amended to read in its entirety as follows:

3308.2 PERMIT APPLICATION: The application for permit for supervised display of fireworks shall be made directly to the Fire District. Each application for a permit shall be made at least fifteen (15) days in advance of the date of the display and action on such application shall be taken forty-eight (48) hours after such application is received by the appropriate Fire District officials. The Village Code Title 8 (Police Department) Chapter 6 Section 10 shall apply to Fireworks regulations.

Section 3308.11 FIREWORKS RETAIL DISPLAY AND SALE shall be deleted:

Sections 3308.12 through 3308.12.5 FIREWORKS shall be added to read in their entirety as follows:

3308.12 INFORMATION: Each applicant shall supply the Fire District with sufficient information so that the Fire District may file with the State Fire Marshals Office notice relative to public display of fireworks.

3308.12.1 LIMITATION: After a permit has been issued under these rules and regulations, the possession, sale, use and detonation of fireworks for such display shall be limited for that purpose only.

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3308.12.2 TRANSFER: No permit granted hereunder shall be transferred to any other person, organization or location.

3308.12.3 NOT FIRED FIREWORKS: The supplier of the fireworks shall be solely responsible for the recovery of all fireworks, and aerial displays that have not fired and shall not transfer same to any unlicensed person or organization

3308.12.4 RECOVERY: Recovery or the search for un-fired displays shall start immediately, or not later than sunrise. The area of a misfire shell shall be guarded by the display company at their cost from the time of the firing until the discovery and removal of the shell.

3308.12.5 COST: The cost of recovering the shells shall be solely the responsibility of the fireworks supplier and/or dealer.

Section 3403.6.12 and its Subsections shall be added to read in their entirety as follows:

3403.6.12 FUEL DISPENSING SYSTEMS: Above ground tanks are permitted to be used to store motor fuels on premises generally not accessible to the general public when they are installed in a special enclosure constructed in accordance with NFPA 30 listed in Chapter 45, or are protected by a listed and approved tank enclosure assembly which provides fire resistance protection of not less than 2 hours from exposure to a flammable liquid pool fire provided that specific approvals is obtained from the Fire District.

3403.6.12.1 BARRIER PROTECTION: Physical barriers complying with Section 3207.5.4 shall be provided to protect the area where tanks are located.

3403.6.12.2 ACCESS: Each tank and each special enclosure shall be surrounded by a clear accessible space not less than 3 feet in width to allow for maintenance and inspection.

3403.6.12.3 CAPACITY LIMITS: Tanks containing motor fuels shall not exceed 2,500 gallons individual, or 5,000 gallons aggregate capacity. Installations having the maximum allowable aggregate capacity shall be separated from other such installations by not less than 100 feet.

3403.6.12.4 SHUT-OFFS: Tanks shall be provided with automatic fuel shut-off devices capable of stopping the delivery of fuel into the storage tank at 90 percent tank capacity.

3403.6.12.5 FUEL DELIVERY: Motor fuels shall be transferred from tanks by means of fixed

pumps so designed and equipped as to allow control of the flow and to prevent leakage or accidental discharge. Dispensing devices are permitted to be installed on top of special enclosures.

3403.6.12.6 TANK OPENINGS AND CONNECTIONS: Tank and tank enclosure openings for inspection and for piping and vent connections shall be through the top only. Approved anti-siphon devices shall be installed at each connection of piping to a tank when such tank piping extends below the level of the top of such tank.

3403.6.12.7 SEPARATION DISTANCES: Each tank and each special enclosure shall be separated from buildings, lot lines, and public ways by not less than 5 feet mm.

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3403.6.12.8 DIKING: Sufficient concrete diking to handle a full load of the largest tank shall be provided per NFPA 30 listed in Chapter 44.

Sections 3404.2.11.5.2 shall be amended to read in its entirety as follows:

3404.2.11.5.2 LIQUID SUMP: For the purpose of monitoring the possibility of an underground leak of product from an underground storage tank, a ten inch (10") minimum diameter galvanized steel culvert sump shall be installed as close as possible to underground storage tanks used for the storage of flammable, combustible and/or hazardous liquids. The culvert sump shall extend upward from a minimum of one foot (1') below the bottom of the lowest tank in the area. The culvert shall be perforated with a reasonable number of large holes from its lowest level upward to allow any liquid in the ground to flow into the sump. The steel culvert sump shall be surrounded with Number Two (#2) Stone for a minimum of twenty-four inches (24") in diameter. The top of the culvert sump shall be housed in a metal vault enclosure with a removable cap for ease of inspection and maintenance. The location, design and installation shall be approved by the fire Marshal.

Sections 3404.2.11.5.3 shall be added to read in its entirety as follows:

3404.2.11.5.3 DISCHARGE LINE LEAK DETECTORS: An approved discharge line lead detector shall be installed on all discharge lines from the underground storage tanks that utilize a submergible pump for pressurization of the discharge line system.

Section 3404.2.12.3 Shall be added to read in its entirety as follows:

3404.2.12.3 RETESTING: All tanks and piping shall be retested every five (5) years when less than 15 years of age, and every two (2) years thereafter. Testing shall be performed by a certified testing agency and results forwarded to the Fire Prevention Code Official.

Section 3406.6.2 Shall be amended to read in its entirety as follows:

3406.6.2 TANK VEHICLE PARKING AND GARAGES: No tank vehicle shall be left unattended on any lot, street, highway, avenue, alley or any other location within the Village of Orland Park, public or private.

Delete Section 3406.6.2.1 in its entirety.

Delete Section 3406.6.2.2 in its entirety.

Delete Section 3406.6.2.3 in its entirety.

Delete Section 3406.6.3 in its entirety.

Sections 3809.16 shall be added to read in its entirety:

3809.16 ABOVE GROUND STORAGE: The above ground storage of liquefied petroleum gas is prohibited within the corporate limits of the Village of Orland Park without a special permit from the Fire District.

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Delete Section 3811.1 in its entirety.

Delete Section 3811.2 in its entirety.

Delete Section 3811.2.1 in its entirety.

Delete Section 3811.2.2 in its entirety.

Section 3811.3 Shall be amended to read in its entirety as follows:

3811.3 PARKING AND GARAGING: The parking and garaging of tank vehicles used for the transportation of liquefied petroleum gases shall be in accordance with NFPA 58 listed in Chapter 45. No tank vehicle shall be left unattended on any lot, street, highway, avenue, alley or any other location within the Village of Orland Park, public or private.

Chapter 45: REFERENCED STANDARDS: Shall be amended to add, change or delete the following standards.

(A) **Add the Following Standards:**

NFPA 70-2005	National Electric Code
NFPA 96-2004	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations
NFPA-291-2007	Recommended Practice for Fire Flow Testing and Marking of Hydrants

(B) **Delete the following sections of the NFPA Standard:**

NFPA-70-2005	National Electric Code:
	Section 331 Electrical Non-Metallic Tubing
	Section 333 Armored Cable
	Section 334 Metal Clad Cable
	Section 336 Non-Metallic Sheathed Cable
	Section 337 Shielded Non-Metallic Sheathed Cable
	Section 338 Service Entrance Cable
	Section 604 Manufactured Wiring Systems

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Chapter 46: BASIC FIRE CONTROL MEASURES Shall be added to read as follows:

Section 4601 SCOPE: Adoption of fire control measures and regulations. There has been adopted by the Orland Fire Protection District fire control measures and regulations as herein set forth for the purposes of controlling conditions which could impede or interfere with fire suppression forces.

Section 4602 AUTHORITY AT FIRES AND OTHER EMERGENCIES: The Fire Official or duly authorized representatives, as may be in charge at the scene of a fire or other emergency involving the protection of life and property, is empowered to direct such operations as may be necessary to extinguish or control any suspected or reported fires, gas leaks or other hazardous conditions or situations or of taking any other action necessary in the reasonable performance of their duty.

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The Fire Official may prohibit any person, vehicle or object from approaching the scene and may remove or cause to be removed from the scene any person, vehicle or object which may impede or interfere with the operations of the fire department. The Fire Official may remove or cause to be removed any person, vehicle or object from hazardous areas. All persons ordered to leave a hazardous area shall do so immediately and shall not re-enter the area until authorized to do so by the Fire Official.

Section 4603 INTERFERENCE WITH FIRE DISTRICT OPERATIONS: It shall be unlawful to interfere with, attempt to interfere with, conspire to interfere with, obstruct or restrict the mobility of or block the path of travel of any fire department emergency vehicle in any way, or to interfere with, attempt to interfere with, conspire to interfere with, obstruct or hamper any fire department operation.

Section 4604 COMPLIANCE WITH ORDERS: A person shall not willfully fail or refuse to comply with any lawful order or direction of the Fire Official or to interfere with the compliance attempts of another individual.

Section 4605 VEHICLES CROSSING FIRE HOSE: A vehicle shall not be driven or propelled over any unprotected fire hose of the fire department when laid down on any street, alleyway, private drive or any other vehicular roadway without the consent of the fire prevention code official in command of said operation

Section 4606 DEFINITION OF AUTHORIZED EMERGENCY VEHICLE: Authorized emergency vehicles shall be restricted to those which are defined and authorized under the laws of the State of Illinois.

Section 4607 OPERATION OF VEHICLES ON APPROACH OF AUTHORIZED EMERGENCY VEHICLES: Upon the approach of any authorized emergency vehicle, giving audible and visual signal, the operator of every other vehicle shall immediately drive the same to a position as near as possible and parallel to the right-hand edge or curb of the street or roadway, clear of any intersection and shall stop and remain in such position until the authorized emergency vehicle or vehicles shall have passed, unless otherwise directed by the Fire Official or a police officer.

Section 4608 VEHICLES FOLLOWING FIRE APPARATUS: It shall be unlawful for the operator of any vehicle, other than one on official business, to follow closer than 300 feet from any fire apparatus

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traveling in response to a fire alarm or to drive any vehicle within the block or immediate area where fire apparatus has stopped in answer to a fire alarm.

Section 4609 UNLAWFUL BOARDING OR TAMPERING WITH FIRE DISTRICT EMERGENCY

EQUIPMENT: A person shall not without proper authorization from the Fire Official in charge of said fire department emergency equipment, cling to, attach himself to, climb upon or into, board or swing upon any fire department emergency vehicle, whether the same is in motion or at rest, or sound the siren, horn, bell or other sound-producing device thereon, or to manipulate or tamper with, or attempt to manipulate or tamper with any levers valves, switches, starting devices, brakes, pumps, or any equipment.

Section 4610 DAMAGE, INJURY-FIRE DEPARTMENT-EQUIPMENT, PERSONNEL It shall be unlawful for any person to damage or deface, or attempt or conspire to damage or deface, any fire department emergency vehicle at any time or to injure, or attempt or conspire to injure, fire department personnel while performing departmental duties.

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Section 4611 BLOCKING FIRE HYDRANTS AND FIRE DEPARTMENT CONNECTIONS: It shall be unlawful to obscure from view, damage, deface, obstruct or restrict the access to any fire hydrant or any fire department connection for the pressurization of fire suppression systems, including fire hydrants and fire department connections located on public or private streets and access lanes or on private property,. All vehicles blocking fire hydrants and fire department connections shall be moved immediately.

Section 4612 BUILDING ADDRESS NUMBERS: New and existing buildings shall have approved address numbers placed in a location that shall be plainly visible from the street. The location of the address numbers shall be approved by the Fire Code Official. Address numbers shall be a minimum of 6 inches (6") high with a minimum stroke width of one-quarter (1/4) inches wide. Address numbers on glass doors, windows, or store fronts shall be white in color. Address numbers meeting the above requirements shall be affixed to the rear of each tenant space in multi-tenant occupancies. (Ord. 3343, 3-6-00). Residential Address numbers are allowed to be reduced to 4 inches in height.

5-5-3: SMOKE DETECTORS IN RESIDENTIAL UNITS:

Notwithstanding any provision in any other regulations or codes, smoke detectors are required as provided below:

5-5-3-1 DEFINITIONS:

The following buildings shall be classified as residential buildings under this Chapter:

SINGLE-FAMILY DWELLINGS: Residential units designed or used for not more than one-family units.

MULTIPLE DWELLINGS: Residential units designed or used for two (2) or more family units.

SMOKE DETECTOR: An electrical device designed to emit a loud warning signal upon detection of an abnormal buildup of smoke in the area. Such device may be photo-electric or ionization type, and may be powered by self-contained battery or one hundred fifteen (115) volt external power supply. All detectors shall

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bear the label of a nationally recognized standards testing laboratory which indicates that the smoke detectors have been tested and listed under the requirements of UL 217 (1978).

5-5-3-2 PLACEMENT:

All buildings of residential or mixed occupancy having any residential units shall be equipped with approved smoke detectors in the manner prescribed in this Section.

1. Not less than one approved smoke detector shall be installed in every single-family residential unit and multiple dwelling unit as defined herein. The detector shall be installed on the ceiling and at least six inches (6") from any wall, or on a wall located from six inches (6") to twelve inches (12") from the ceiling, and within fifteen feet (15') of all rooms used for sleeping purposes.
2. All multiple dwellings as defined herein, and buildings of mixed occupancy having any residential units, shall contain not less than one approved smoke detector at the uppermost ceiling of all

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interior stairwells. All approved smoke detectors herein required shall be installed on the ceiling, at least six inches (6") from any wall, or on a wall, located from six inches (6") to twelve inches (12") from the ceiling.

3. In residential buildings having basements or cellars, one additional smoke detector shall be installed in the basement or cellar in a location therein approved by the Building Department.

5-5-4 PENALTY:

Any person, firm or corporation violating this Chapter shall be fined not less than Fifty Dollars (\$50.00) and not more than Seven Hundred Fifty Dollars (\$750.00) for each offense and a separate offense shall be deemed committed for each and every day during which a violation continues or exists.

(Ord. 4254, 6-18-07; Amd. Ord. 4342, 3-3-08)

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