

**ORDINANCE NO. 18-12-27**

**AN ORDINANCE AMENDING CHAPTERS 21, 22, 25, AND 26 OF THE CLARENDON HILLS  
VILLAGE CODE IN REGARD TO CONSTRUCTION, FIRE SAFETY, AND  
PROPERTY MAINTENANCE CODES**

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**WHEREAS**, the Village of Clarendon Hills regulates building activity, which provides for the protection of the public health, safety and welfare of the residents of the Village of Clarendon Hills; and

**WHEREAS**, the International Code Council, Inc., has developed and updated model codes to regulate construction for the protection of public health, safety and welfare; and

**WHEREAS**, the National Fire Protection Association, has developed and updated a life safety code to regulate construction for the protection of public health, safety and welfare; and

**WHEREAS**, the National Fire Protection Association, has developed and updated an electric code to regulate construction for the protection of public health, safety and welfare; and

**WHEREAS**, the President and Board of Trustees may from time to time amend the text of the Clarendon Hills Village Code when it is determined to be in the best interests of the Village; and

**WHEREAS**, the President and Board of Trustees of the Village of Clarendon Hills have determined that the Village's building codes and life safety code should be revised and updated;

**NOW, THEREFORE, BE IT ORDAINED** by the President and Board of Trustees of the Village of Clarendon Hills, DuPage County, Illinois, as follows:

**SECTION 1:** Effective February 1, 2019, Chapter 21 of the Clarendon Hills Village Code is hereby amended to read in its entirety as provided for in EXHIBIT A, attached hereto.

**SECTION 2:** Effective February 1, 2019, Chapter 22 of the Clarendon Hills Village Code is hereby amended to read in its entirety as provided for in EXHIBIT B, attached hereto.

**SECTION 3:** Effective February 1, 2019, Chapter 25 of the Clarendon Hills Village Code is hereby amended to read in its entirety as provided for in EXHIBIT C, attached hereto.

**SECTION 4:** Effective February 1, 2019, Chapter 26 of the Clarendon Hills Village Code is hereby deleted in its entirety.

**SECTION 5:** All Ordinances or parts of Ordinances in conflict or which are inconsistent with this Ordinance shall be repealed to the extent of any such conflict or inconsistency.

**SECTION 6:** This Ordinance shall be in full force and effect from and after its adoption, approval and publication in pamphlet form, as provided by law.


**ADOPTED** this 3<sup>rd</sup> day of December, 2018, pursuant to a roll call vote as follows:

AYES: Trustees Freve, Hall, Jordan, Jorissen, Knoll, & McGarrah

NAYS: None

ABSENT: None

**APPROVED** by me this 3<sup>rd</sup> day of December, 2018.

  
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Len Austin, Village President

ATTEST:

  
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Dawn M. Tandle, Village Clerk

Published in pamphlet form: December 4, 2018



**21.1: PURPOSE:**

The purpose of this chapter is to establish rules and regulations for constructing, erecting, enlarging, remodeling, altering, repairing, raising, lowering, underpinning, moving or wrecking of buildings, structures, or portions thereof and to regulate the location, equipment, use and occupancy thereof, in order to promote public health and safety. This chapter is intended to be remedial and to be construed liberally and justly to secure the beneficial aim and purpose thereof.

**21.2: APPLICATION:**

This chapter shall apply to all buildings and structures, or portions thereof, in the village, except federal and state buildings and possessions.

**21.3: INTERNATIONAL BUILDING CODE:**

A. Adoption: The international building code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international building code shall apply to the design, construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all buildings and structures.

B. Amendments To the International Building Code: The International Building Code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

Section 101.4.3 Plumbing. - Delete the phrase "international plumbing code" and insert in its place the phrase "Illinois plumbing code".

Section 105.5 Expiration. - Delete the entire section and insert in its place: "105.5.1 Expiration. Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, if the work authorized on the site by such permit is suspended or abandoned for a period of 60 days after the time the work is commenced, or one (1) year after the permit was issued.", and insert "Section 105.5.2 Extension. The building official is authorized to grant, in writing, one or more extensions of time, for periods of 90 days each upon payment of the fee set forth in schedule S21 of this code. The extension shall be requested in writing and justifiable cause demonstrated. Completion of landscaping and driveways may be extended without further action when the permit issued expires falls between November 15 and April 15."

Section 113 Board Of Appeals. - Delete entire section.

Section 1507.9 Wood Shakes. - Add a subsection 1507.8.9 to read as follows: "1507.8.9 Additional Requirements. All wood shakes must also comply with the following requirements:

1. Must be fire retardant treated and labeled by the board of National Fire Underwriters.
2. They may only be installed on buildings of not more than three (3) stories and not more than forty feet (40') in height.
3. The wood shakes shall be backed up with non-combustible materials or fire retardant treated plywood.
4. If used on an exterior wall surface, the wood shakes shall cover no more than twenty percent (20%) of that wall area."

Section 1805.4.5 Timber Footings. - Delete entire section.

Section 1805.4.6 Wood Foundations. - Delete entire section.

Section 2303.1.5 Floor And Roof Sheathing. - Add a new subsection 2303.1.5.1 to read as follows: "2303.1.5.1 Prohibited Wood Structural Panels. The following types of wood structural panels are prohibited for use as floor and roof sheathing: oriented strand board (OSB), hardboard, particleboard, and wafer board."

Section 3002.4 Elevator Car To Accommodate Ambulance Stretcher. - Delete the first sentence of the paragraph and replace with following sentence: "In all buildings served by an elevator, at least one elevator shall be provided for fire department emergency access to all floors."

Section 3006.1 Access. - Add the following sentence: "This means of access is not to be used as a passageway through the machine room to other areas of the building or roof."

Section 3007 Existing Elevators And Escalators. - Add a new section 3007.1 as follows: "3007.1 Existing Elevator Compliance. All existing elevators and escalators shall comply with ASME A17.3, safety code for existing elevators and escalators."

C. Copies On File: One (1) copy of the international building code shall be kept available in the community development department at the village hall, for use, inspection and examination.

#### **21.4: INTERNATIONAL MECHANICAL CODE:**

A. Adoption: The international mechanical code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international mechanical code shall apply to the design, construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all buildings and structures except for single-family and two-family residences not over two (2) stories and an attic in height.

B. Amendments To International Mechanical Code: The international mechanical code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

Section 103.1 General. - Replace the section in its entirety with the following: "The community development department shall serve as the department of mechanical inspection and the executive official in charge thereof shall be known as the code official."

Section 106.5.2 Fee Schedule. - Replace the section in its entirety with the following: "The fees for mechanical work shall be as indicated in the appropriate schedules in the village code."

Section 106.5.3 Fee Refunds. - Delete entire section.

Section 109 Means Of Appeal. - Delete entire section.

Section 306.3 Appliances In Attics. - Add new subsection 306.3.2 as follows: "306.3.2 Enclosure And Venting. Heat producing appliances installed in attic spaces shall be enclosed within a room sheathed with 5/8 inch drywall that provides adequate access and space for maintenance and allows sufficient intake of combustion air. The door shall be a 13/8" thick solid core wood or 20 minute fire rated door, with an automatic closer."

Section 903.3 Unvented Gas Log Heaters. - Replace the section in its entirety with the following: "Unvented gas log heaters are not permitted."

**21.5: INTERNATIONAL FUEL GAS CODE:**

A. Adoption: The international fuel gas code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international fuel gas code shall apply to the design construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all buildings and structures except for single-family and two-family residences not over two (2) stories and an attic in height.

B. Amendments To International Fuel Gas Code: The international fuel gas code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

Section 106.6.2 Fee Schedule. - Replace the section in its entirety with the following: "The fees for work shall be as indicated in the appropriate schedules in the village code."

Section 106.6.3 Fee Refunds. - Delete entire section.

Section 109 Means Of Appeal. - Delete entire section.

Section [M]306.3 Appliances In Attics. - Add new subsection [M]306.3.2 as follows: "[M]306.3.2 Enclosure And Venting. Heat producing appliances installed in attic spaces shall be enclosed within a room sheathed with 5/8 inch drywall that provides adequate access and space for maintenance and allows sufficient intake of combustion air. The door shall be a 13/8" thick solid core wood or 20 minute fire rated door, with an automatic closer."

Section 403.4.3 Copper And Copper Alloy Tubing. - Replace the section in its entirety with the following: "Copper and brass pipe shall not be used."

Section 403.4.4 Aluminum. Replace the section in its entirety with the following: "Aluminum-alloy pipe shall not be used."

Section 403.5.2 Copper And Copper Alloy Tubing. Replace the section in its entirety with the following: "Copper and brass tubing shall not be used."

Section 403.5.3 Aluminum Tubing. Replace the section in its entirety with the following: "Aluminum-alloy tubing shall not be used."

Section 404.9 Minimum Burial Depth. - Substitute the phrase "18 inches (457 mm)" for the phrase "12 inches (305 mm)".

Section 621.1 Unvented Room Heaters. - General. Replace the section in its entirety with the following: "Unvented room heaters are not permitted."

C. Copies On File: One (1) copy of the international mechanical code and two (2) copies of the international fuel gas code shall be kept available in the community development department at the village hall, for use, inspection and examination.

**21.6: INTERNATIONAL FIRE CODE:**

A. Adoption: The international fire code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international fire code shall apply to the design construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all buildings and structures except for single-family and two-family residences not over two (2) stories and an attic in height.

B. Amendments To International Fire Code: The international fire code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

Section 108 Means Of Appeal. - Delete entire section.

Section 109.3 Violation Penalties. - Delete entire section.

Section 901.6 Inspection, testing and maintenance. - Add the following sentences to the section: "Inspections and field tests of fire suppression, alarm, detection and any other fire protection systems, devices and equipment shall be conducted by a licensed fire protection company representative. All tests for the fire protection systems and components shall follow the standards of this code and the National Fire Protection Association standards for the type of component. Whenever any such fire protection company conducts tests or undertakes maintenance or repair work on any said systems within the village, the company shall notify the village's dispatch agency of all such tests, maintenance, or repair prior to undertaking them, and further, immediately after completion of such tests, maintenance, or repair, shall notify the village's dispatch agency of such completion."

Section 901.6.2 Records. - Add the following sentence: "A copy of the complete written record of all tests and inspections required under this code shall be sent to the Clarendon Hills fire prevention bureau within ten (10) working days after completion of the test."

Section 903.2 Where Required. - Replace the section in its entirety with the following: "Approved automatic sprinkler systems in new and existing buildings and structures shall be provided in the locations described in section 24.10 Automatic Supervised Fire Protection Systems, and 21.17 Residential Sprinkler Systems, of the village code."

C. Copies On File: One (1) copy of the international fire code shall be kept available in the community development department at the village hall, for use, inspection and examination.

#### **21.7: INTERNATIONAL ENERGY CONSERVATION CODE:**

A. Adoption: The international energy conservation code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international energy conservation code shall apply to the design construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all buildings and structures except for single-family and two-family residences not over two (2) stories and an attic in height.

B. Amendments To International Energy Conservation Code: The international energy conservation code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

C. Copies On File: One (1) copy of the international energy conservation code shall be kept available in the community development department at the village hall, for use, inspection and examination.

#### **21.8: INTERNATIONAL RESIDENTIAL CODE:**

A. Adoption: The international residential code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village. The international residential code shall apply to the design construction, alteration, enlargement, equipment, repair, demolition, removal, conversion, and use of all single-family and two-family residences not over two (2) stories and an attic in height, and accessory buildings and structures.

B. Amendments To International Residential Code: The international residential code as heretofore adopted is revised and amended as follows:

Section R101.1 Insert. - "Village of Clarendon Hills"

Section R105.2 Work Exempt From Permit. - Delete the following items listed under Building: 1 and 10; and replace 2 with "fences < 6 feet in height; and replace 3 with "retaining walls < 3 feet in height.

Section R108.5 Refunds. - Delete subsection.

Section R112 Board Of Appeals. - Delete entire section.

Table R301.2(1) Climatic And Geographic Design Criteria. - Shall be amended by inserting the following:

For ground snow load. Insert: "25"

For wind speed. Insert: "90"

For seismic design category. Insert: "17%"

For weathering. Insert: "severe"

For frost line depth. Insert: "42"

For termite. Insert: "moderate to heavy"

For winter design temperature. Insert: "0°F"

For ice barrier underlayment. Insert: "YES"

For flood hazards. Insert: "12-16-2004"

For air freezing index. Insert: "1500"

For mean annual air temperature. Insert: "50°F"

Section R302.6 Separation Required. - Replace all three occurrences of the term "1/2-inch" with the term "5/8-inch".

Section R309.1 Floor Surface. - Add: "If door opening occurs between garage and dwelling, provide a 4" curb or step at the service door, or construct garage floor at least 4" lower than adjoining dwelling floor."

Section R310.4 Bars, Grilles, Covers And Screens. - Replace the word "permitted" with the word "required".

Section R401.1 Application. Delete the following sentence "Wood foundations shall be designed and installed in accordance with AF&PA report no. 7." and all subsequent text in the section.

Section R402.1 Wood Foundations. - Delete entire section.

Section R403.2 Footings For Wood Foundations. - Delete entire section.

Section R404.2 Wood Foundation Walls. - Delete entire section.

Section R405.2 Wood Foundations. - Delete entire section.

Section R503.3 Particleboard. - Replace the section in its entirety with the following: "R503.3 Prohibited Wood Structural Panels. The following types of wood structural panels are prohibited for use as floor sheathing: oriented strand board (OSB), hardboard, particleboard, and wafer board."

Section R506.1 General. - Replace the phrase "3.5 inches (89 mm) thick" with the phrase "4 inches (102 mm) thick, except that garage floor slabs shall be a minimum of 5 inches (127 mm) thick".

Section R506 CONCRETE FLOORS (ON GROUND). - Add new subsection R506.1.1 as follows: "R506.1.1 Detached Garage Slabs. Floating detached garage slabs shall be a minimum of 5 inches (127 mm) thick, reinforced with wire mesh, and thickened to a depth of 10 inches (254 mm) for a width of 20 inches (508 mm) around the perimeter of the slab."

Section R803.2 Wood Structural Panel Sheathing. - Add a new section R803.2.4 to read as follows: "R803.2.4 Prohibited Wood Structural Panels. The following types of wood structural panels are prohibited for use as roof sheathing: oriented strand board (OSB), hardboard, particleboard, and wafer board."

Section R903.4 Roof Drainage. - Add new subsection R903.4.2 to read as follows: "R903.4.2 Gutters And Downspouts. All roofs shall be drained using gutters and downspouts, unless alternative method is approved by the building official."

Section R1004.4 Unvented Gas Log Heaters. - Replace the section in its entirety with the following: "Unvented gas log heaters are not permitted."

Section R1006.1 Exterior Air. - Add a new subsection R1006.1.3 to read as follows: "R1006.1.3 Ventless And Vent-Free Fireplaces. Ventless and vent-free fireplaces are prohibited."

Section M1305.1.3 Appliances In Attics. - Add new subsection M1305.1.3.2 as follows: "M1305.1.3.2 Enclosure And Venting. Heat producing appliances installed in attic spaces shall be enclosed within a room sheathed with 5/8 inch drywall that provides adequate access and space for maintenance and allows sufficient intake of combustion air. The door shall be a 13/8" thick solid core wood or 20 minute fire rated door, with an automatic closer."

Section M1601.5 Under-Floor Plenums. - Add: "Joist and wall spaces shall not be permitted for uses as a supply plenum. Supply plenums must be a closed system."

C. Copies On File: One (1) copy of the international residential code shall be kept available in the community development department at the village hall, for use, inspection and examination.

#### **21.9: INTERNATIONAL SWIMMING POOL AND SPA CODE:**

A. Adoption: The international pool and spa code, 2015 edition, as published by the International Code Council, Inc. (ICC), is hereby adopted and incorporated by reference as part of this code as if fully set forth herein, as part of the building code for the village.

B. Amendments to International Pool and Spa Code: The international pool and spa code as heretofore adopted is revised and amended as follows:

Section 101.1 Title. - Insert: "Village of Clarendon Hills"

Section 105.6.2 Fee Schedule. - Replace the section in its entirety with the following: "Permit fees for construction, installation, enlargement or alteration of any swimming pool, spa and appurtenances shall be as indicated in the appropriate schedules in the village code."

Section 105.6.3 Fee Refunds. - Delete entire section.

C. Sewer Connections: No direct connection of any pool shall be made to a sewer.

D. Copies On File: One (1) copy of the international swimming pool and spa code shall be kept available in the community development department at the village hall, for use, inspection and examination.

#### **21.10 LIFE SAFETY CODE:**

A. Adoption: For the purpose of prescribing regulations governing life safety relative to fire and like emergencies, that certain code known as the life safety code, NFPA 101, 2018 edition, published by the National Fire Protection Association, is hereby adopted and incorporated by reference as part of this code, subject to the following amendments thereto:

(1) Whenever the term "authority having jurisdiction" is used in the life safety code, it shall mean "the building commissioner of the village of Clarendon Hills".

(2) Factory built or masonry fireplaces must be equipped with an exterior air supply in all occupancy categories.



B. Copies On File: One (1) copy of the life safety code shall be kept available in the building department at the village hall, for use, inspection and examination, and one (1) copy of the life safety code shall be kept on file in the community development department at the village hall, for use, inspection and examination.

**21.11 ILLINOIS ACCESSIBILITY CODE:**

A. Adoption: For the purpose of ensuring that the built environment of all applicable buildings and facilities is designed, constructed and/or altered to assure the safety and welfare of all members of society and so as to be readily accessible to, and usable by, environmentally limited persons, that certain code known as the 2018 Illinois accessibility code, is hereby adopted and incorporated by reference as part of this code.

B. Copies On File: One (1) copy of the Illinois accessibility code shall be kept on file in the community development department at the village hall, for use, inspection and examination.

**21.12: BUILDING PERMITS:**

A. Required: Any owner or owner's authorized agent who intends to construct, enlarge, alter, repair, move, demolish or change the occupancy of a building or structure, or to erect, install enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be performed, shall first make application to the building official and obtain the required permit in compliance with ICC model codes as adopted.

B. Construction Site Protection Regulations: Any person performing work which requires a building permit, as set forth in subsection A of this section, shall comply with the following standards:

(1) Additional Requirements For Major Construction Projects: In addition to the requirements for all building permits as set forth in this section, when the work pertains to new construction, demolition, moving, or reconstruction of any principal structure, or any combination of the foregoing work which, together with additions to principal structures and new construction of accessory structures, totals at least one thousand (1,000) square feet of floor area, the applicant shall comply with all of the terms and conditions set forth in subsections B(3), B(5) and B(6) of this section. For purposes of this chapter, "new construction" shall be defined as follows:

(a) Construction of a completely new structure, or

(b) Revisions to an existing structure (which shall comply with all of the provisions of this code and all other adopted codes and standards for new construction) when either of the following conditions exist:

1) The linear foot measurement of the demolished exterior walls is greater than fifty percent (50%) of the total linear feet of the exterior walls (perimeter of the walls) before demolition. For purposes of this subsection, a wall is considered to be demolished when, in the opinion of the village building commissioner, the structural integrity of the wall has been compromised (no longer capable of supporting the structure) or when two (2) or more components of the wall have been removed; or

2) Modifications to the existing structure are made after the effective date of this subsection (October 27, 2005) and said modifications increase the total floor area of the structure (square footage) by one hundred twenty five percent (125%) or more of the structure's pre-modification floor area over a period of five (5) consecutive years or less. "Floor area" shall be as defined in section 20.2.2 of this code, which definition excludes a portion of garage space in the R-1 and R-1A districts.

(2) Physical Damage To Property:

(a) Compensation For Damages: Any applicant for a permit, as required, by subsection A of this section shall compensate the village for any direct physical damage to public property caused by the activity described in the permit.

(b) Village Review Of Plans: Before issuing a permit pursuant to subsection A of this section, the village shall review the plans and specifications submitted by or on behalf of the applicant for the work to determine the likelihood of potential damages and the nature of measures to be taken by the applicant under this subsection C. The failure of the village to anticipate said damages shall not relieve the applicant of his/her/its obligation to provide compensation to the village as required by this subsection C.

(c) Additional Remedies: The specific rights and remedies granted in this subsection C shall not preclude an adjoining property owner from exercising any other right or from having any other remedy, or from maintaining any action to which he or she may otherwise be entitled either at law or equity.

(d) Village Liability: The village shall have no liability whatsoever to any property owner claiming hereunder, whether before or after expiration of the bonds or insurance required of the applicant in subsections C(5) and C(6) of this section.

(3) Fencing Of Site; Signs: The holder of a permit for work described in subsection C(1) of this section shall take, or cause to be taken, all steps necessary to properly protect the work and the site of the work, and to protect the public from damage or injury to property or persons. At a minimum, the applicant shall cause a chain-link safety fence, six feet (6') in height, with a locking gate, to be installed and securely maintained around the perimeter of the construction or excavation area of the subject property, at a location and manner approved by the building commissioner. The fencing shall be installed not more than fourteen (14) days nor less than four (4) days before commencement of any work on the subject property. In addition to such perimeter fencing, the applicant shall cause safety fencing to be installed around every tree in the parkway abutting the subject property (ideally at the drip line of the tree if possible) or, alternatively, around the entire abutting parkway. If placement of tree fencing is not feasible at the drip line of the tree, then such fencing shall be installed at a location approved by the village forester. In addition to the foregoing, the holder of a permit shall post and maintain such signs identifying construction rules, parking regulations and similar requirements as prescribed by the village's community development director.

(4) Disconnection Of Utilities: The village shall require an applicant for a demolition or moving permit to furnish written statements by the persons having authority to make the statements, respectively, that the electric, water, sanitary sewer, telephone, cable and gas services to the building or structure, and any other applicable utility services, have been properly disconnected.

(5) Surety Bond: The holder of a permit for work described in subsection B(1) of this section shall obtain and maintain in full force and effect, until issuance of a final certificate of occupancy, a surety bond or cash bond in an amount not less than the sum, based on the type of permit, as set forth in the schedule maintained by the village's community development department, as amended from time to time (said schedule being based on the type of permit and taking into consideration the general scope of the project and the anticipated cost to compensate the village for any direct physical damage to public property). Proof of such bond shall be filed with the village before issuance of the permit.

(6) Insurance: Notwithstanding the fact that the holder of a permit for work described in subsection B(1) of this section may not be a building contractor subject to the licensing requirements of chapter 31 of this code, any holder of a permit for work described in subsection B(1) of this section shall provide the village with proof of insurance, in compliance with the provisions of section 31.4 of this code, prior to the issuance of any permit for work described in subsection B(1) of this section. It shall be the obligation of the applicant to make sure that current certificates of insurance are on file with the village at all times while any permit for work described in subsection B(1) of this section is in effect. If the required insurance lapses without the filing of an updated certificate of insurance, a stop work order shall be issued in relation to the work which is the subject of the permit until such time as the holder of said permit provides an updated certificate of insurance.

(7) Particulate Control: Airborne particles shall be controlled at the subject property at all times during work by thoroughly saturating with water all portions of the structure and surrounding property affected by the work. Such spraying shall be undertaken at all times necessary to thoroughly control the creation and migration of airborne particles, including, without limitation, dust from the subject property. The water source for control of airborne particles shall be either: a) a water tanker truck with pump capacity of one hundred (100) gallons per minute at the nozzle; or b) water available from a hose connected to the public water supply system using an adjacent property's water service (a public fire hydrant may not be used). Any hose leading from the public water supply system and crossing a driveway, street, alley or other vehicular right of way or path must be bridged in a manner sufficient to protect the water system. Cutting of masonry outdoors must be performed using a wet saw to control particulates.

(8) Demolition Methods: The use of a wrecking ball, drop hammers or explosives to demolish a structure shall be prohibited without prior village board approval of specific plans for impact isolation and protection of nearby properties.

C. Building Contractors; Licensing And Compliance Required: All building contractors that will be performing work in relation to a building permit issued by the village must be properly licensed and in compliance with all applicable requirements of chapter 31 of this code.

#### **21.13: APPLICATION FOR PERMITS:**

A. Forms: All applications for building permits shall be made in writing on forms provided by the village.

B. Plat, Plans And Specifications: The application shall be accompanied by a correct plat or drawing, to scale, of the lot or lots composing the site, showing the exact location of the proposed building and any building already located on the lot or lots involved; as well as the location of buildings adjacent to the lot lines of the lots involved. The application shall also be accompanied by the plans and specifications certified in the manner hereafter required.

C. Certification: A certificate shall be signed by the owner or by a duly authorized agent, architect or structural engineer representing the owner indicating that, if the permit is granted, the work will be carried out in accordance with the plans and in strict compliance with this code and the provisions of the permit.

D. No Plans And Specifications Required: The building commissioner may issue permits for alterations and repairs of buildings whenever, in the judgment of the building commissioner, drawings and specifications are not necessary to show the full character of the work to be done.

E. Details Of Plans And Specifications: The number of drawings and specifications required to be submitted shall be duplicate sets of the architect's general drawings and duplicate sets of the complete specifications. Each set of drawings shall consist of a foundation and footing plan, basement or cellar plan, the plans of all floors and roofs, a transverse and a longitudinal section, at least two (2) elevations and the necessary framing plans to show the complete framing of the building or structure. Such other plans shall be filed as may be required in the opinion of the building commissioner to illustrate the features of construction and equipment of the building structure referred to.

F. Plans And Specifications, Essential Requirements: All plans and drawings shall be drawn to a scale of not less than one-fourth of an inch to the foot ( $1/4" = 1'$ ). All distances and dimensions shall be accurately figured and drawings made explicit and complete, showing the front and side lot lines and the entire sewerage and drain pipe and the location of all plumbing fixtures within such building. The dimensions of the structural members shall be given on the drawings whether shown in the specifications or not. The specifications shall describe all the materials to be used in the proposed building. Each set of plans presented shall be approved by the building plan reviewer and the building commissioner before a permit will be granted. No permit shall be granted or plans approved unless such plans are prepared and sealed by such persons as are permitted by law to make plans for buildings.

G. Certification Of Architect: It shall be unlawful for any architect, structural engineer or other person permitted under the laws of the state to make plans, to prepare or submit to the building commissioner for approval any final plans for any building or structure which do not comply with all laws and ordinances. It shall be the duty of the building commissioner to require that all plans submitted for approval for any building or structure shall be accompanied by a certificate of the architect, structural engineer or such other person preparing such plans that the plans submitted comply with all laws and ordinances.

H. Alterations Of Stamped Plans: It shall be unlawful to erase, alter or modify any lines, figures or coloring contained upon such drawings so stamped by the building commissioner or filed for reference. If, during the progress of the work authorized, it is desired to deviate in any manner affecting the construction or other essentials of the building from the terms of the application, or drawings, notice of such intention to deviate shall be given to the building commissioner. Written assent shall first be obtained before such alteration or deviation may be made.

I. Permit, Plans And Specifications Kept On Job: The permit issued for any work to which the code is applicable, together with a set of the approved plans and specifications, if any, must be kept on the job while the work is in progress; and must be shown for inspection on requests of any building officer. Inability or refusal to comply with the provisions of this subsection shall constitute sufficient cause for stopping whether all or such portion of the work as may be involved in the violation.

J. Plans And Specifications On File: One or more copies, as may be required by the building commissioner, of the plans and specifications as finally stamped and approved shall be left on file in the office of the commissioner. Complete plans and specifications of buildings of a public character for which the permits are granted shall remain on file permanently in the commissioner's office. It shall not be obligatory upon the commissioner to retain plans and specifications for buildings or structures except those of a public character for more than six (6) months after the completion or occupation of any such building or structure.

**21.14: PERMIT FEES AND DEPOSITS:**

A. Permit Fees: Building permit fees and deposits shall be paid to the village as set forth in schedule S21 of this code. No permit issued for constructing, erecting, enlarging, remodeling, altering, repairing, raising, lowering, underpinning, moving, or wrecking buildings, structures or portions thereof, and no permit for which a fee is prescribed by this code shall be in force until the fees and deposits prescribed therefor shall have been paid to the village and receipt thereof shall have been marked on such permit.

B. Plan Review Deposits: In furtherance of chapter 11 of this code, a plan review deposit shall be paid upon submission of building construction drawings or engineering plans, in the amounts as set forth in schedule S21 of this code (hereinafter the "plan review deposit"). The plan review deposit shall be paid prior to a review by the village or its consultants, including, but not limited to, architects, engineers, land planners, foresters, attorneys and any other consultants the village determines are necessary for the village's review (hereinafter collectively the "consultants") and before the issuance of a building, site development or stormwater management permit. If a permit is issued after the plan review, the amount of the permit will be as set forth in schedule S21 of this code, together with the actual fees charged to the village by its consultants to review the plans associated with the permit. If the plan review deposit is not sufficient to cover the costs of the plan review by the consultants hired by the village, the applicant shall pay the outstanding amount prior to the issuance of a building permit.

In the event that a building, site development or stormwater management permit is not issued after a plan review, in addition to the village administration fee as set forth in schedule S21 of this code and the actual consultants' costs incurred by the village in regard to reviewing, inspecting and processing the application and submittals, an administrative processing fee of ten percent (10%) of the consultants' costs shall be retained by the village for processing the application and return of any remaining balance of the plan review deposit.

If the plan review deposit is not sufficient to cover the costs of the consultants hired by the village and the village, the village administration fee and the administrative processing fee, and a building permit is not subsequently issued, the applicant will be billed for the additional expense, pursuant to the cost recovery provisions of chapter 11 of this code.

C. Administration Fees: Administration fees, as provided in schedule S21 of this code, shall be paid upon submission of building construction drawings or engineering plans to the village, and shall not be refundable.

D. Construction Deposit Required: If the permit to be issued pursuant to this chapter authorizes demolition of a building or construction work, or for utility work or similar excavations in the public right of way, then the applicant shall post a construction deposit in the amount as set forth in schedule S21 of this code with the village, at the time of issuance of such permit (hereinafter the "construction deposit").

(1) Timing Of Payment; Credits: Such construction deposit shall be in addition to all other application and processing fees, costs, escrows, bonds and performance securities required by this code. At the time of issuance of the permit, if the applicant has paid all plan review costs incurred by the village relative to consultants used by the village resulting from the permit application, any remaining amount in the plan review deposit for the application shall be transferred and credited toward the construction deposit required for the permit to be issued.

(2) Application Of Construction Deposit: The construction deposit shall be held by the village and shall be applied as provided in this subsection.

(3) Village Right To Draw On Construction Deposit: The village shall have the right at all times, at its option, to draw on the construction deposit to cover the costs to repair public property damaged by contractors as well as other costs, including, without limitation, legal fees and administrative expenses, incurred or estimated to be incurred by the village in exercising any of its rights under this code in the event that: a) the applicant undertakes any work in violation of any provision of this code or of any permit issued or plan approved pursuant to this code, or b) the applicant fails or refuses to complete any work authorized by any permit issued under this code in accordance with all plans approved in connection with said permit. The village's determination of such costs shall be based on costs actually incurred by the village as well as the village's reasonable estimates of costs to be incurred to cause the property in question to come into compliance with this code.

(4) Replenishment Of Construction Deposit: If the village draws on the construction deposit, then the applicant shall replenish the construction deposit to the full amount required by this subsection within fifteen (15) days after demand is made to the applicant to do so, in writing, by the village. Failure of the applicant to replenish the construction deposit shall result in cancellation of the related permit, which permit shall not be reissued except after the filing of a new application, payment of the permit fee and establishment of a new construction deposit.

(5) Return Of Unused Construction Deposit: The village shall return any unused portion of the construction deposit to the applicant, without interest, according to the following schedule:

(a) If the permit authorizes only demolition work, and no construction work is scheduled to take place within sixty (60) days after completion of demolition, then the village shall return the construction deposit within forty five (45) days after final inspection of the restoration of the subject property and approval of the work by the directors of community development and public works.

(b) If the permit authorizes any work in addition to demolition work, then the village shall return the construction deposit within forty five (45) days after issuance of a final certificate of occupancy.

(c) If the permit authorizes any work involving an opening in a street, the construction deposit shall be held for a period of one year following the installation of the street patch and approval of the work by the director of public works to ensure that the street has been properly restored.

(d) If the permit authorizes any work involving a non-street opening within the public right of way, the construction deposit shall be held for a period of six (6) months after restoration of the public right of way and approval of the work by the director of public works to ensure that the right of way has been properly restored.

(6) Forfeiture Of Construction Deposits: Upon the passage of six (6) months from the expiration of a construction permit, if a final inspection has not been requested or performed, and a certificate of occupancy has not been issued, the director of community development, or his/her designee, shall attempt to contact the applicant indicated on the construction permit application, relative to said construction permit, by written notice addressed to the last known address of the applicant, using a method reasonably calculated to establish proof of receipt, and shall send a copy of said written notice, by the same method, to the owner of the property to which the construction permit relates, requesting that the applicant/property owner allow a final inspection to be performed.

(a) If the village makes contact with said applicant and/or property owner, the applicant/property owner shall have the option to allow an agent of the village to inspect the work covered by the construction permit.

1) If the applicant and property owner do not allow a final inspection to be performed within thirty (30) days of the delivery of the aforementioned notice, the village shall maintain a written record indicating that the work covered by the construction permit was not subject to a final inspection, and the remainder of any construction deposits being held by the village, relative to the construction permit, shall be forfeited by the applicant to, and become the property of, the village, with all accrued interest, to compensate the village for any costs expended or incurred, or to be expended or incurred in the future, including, without limitation, legal fees and administrative expenses, in regard to notifying the applicant and property owner, and obtaining compliance with this code relative to the completion and final inspection of the work subject to the construction permit in question.

2) If the applicant and property owner agree to a final inspection, then the village may refund the construction deposits to the applicant, pursuant to the schedule listed above in subsection D(5) of this section, provided said final inspection shows that the work has been completed in compliance with all applicable codes and ordinances, such that the construction deposits may be refunded.

(b) If the village is unable to contact the applicant and the property owner, the remainder of any construction deposits being held by the village, relative to the construction permit, shall be forfeited by the applicant to, and become the property of, the village, with all accrued interest, to compensate the village for any costs expended or incurred, or to be expended or incurred in the future, including, without limitation, legal fees and administrative expenses, in regard to notifying the applicant and property owner, and obtaining compliance with this code relative to the completion and final inspection of the work subject to the construction permit in question.

E. Water Service Deposit Required: If the permit to be issued pursuant to this chapter authorizes installation of a new or replacement water service and/or water meter, then the applicant shall post with the village, at the time of issuance of such permit, a water service deposit in the amount set forth in schedule S21 of this code, which shall be due prior to issuance of the permit (hereinafter the "water service deposit"). The water service deposit shall be refunded no sooner than the refund of the construction deposit, but not before the owner and/or occupant of the property has registered his/her/its name and billing information with the department of finance.

#### **21.15: BUILDINGS CONTRARY TO APPROVED PLANS:**

A. Permit Void: It shall be unlawful for any owner, agent or architect or for any contractor or builder engaged in constructing, erecting, enlarging, remodeling, altering, repairing, raising, lowering, underpinning, moving or wrecking of any building, structure or portion thereof to make any departure from the plans as approved by the building commissioner without first obtaining the written consent of the building commissioner to such changes. Any such departure from the approved plans involving a violation of the requirements of any law or ordinance or any such change in the plans or construction without the consent of the building commissioner being obtained as required herein, shall operate to annul the permit which has been issued for such work and shall render the same void.

B. Stop Work Orders: In case any work is done under a permit which is contrary to the approved plans, or to any law or ordinance, any Building Officer shall have the power to at once stop such work and to order all persons engaged therein to stop and desist therefrom. Such work shall not be resumed until satisfactory assurance has been given and/or the Building Commissioner has consented, in writing, to the changes made in such approved plans. In either case, a new permit must be issued before work proceeds, for which permit the usual fee shall be paid.

#### **21.15: RESIDENTIAL SPRINKLER SYSTEMS:**

A. Except where a building permit application has been received by the village on or before August 21, 2000, all new one- and two-family residential construction shall be fully protected with an approved automatic fire protection system complying with NFPA-13D, 1999 edition, as amended by the following additions and deletions:

(1) The following provisions of chapter 4, section 4-3.3 of NFPA-13D, 1999 edition, are deleted:

- (a) 4-3.3.3;
- (b) 4-3.3.3.1;
- (c) Table 4-3.3.3.1;
- (d) Table 4-3.3.3.2;
- (e) 4-3.3.3.2;
- (f) 4-3.3.3.3;
- (g) 4-3.3.4;
- (h) Figure 4-3.3.4; and

(i) 4-3.3.5

(2) The following provisions of chapter 4, section 4-3.3, appendix A of NFPA-13D, 1999 edition, are deleted:

(a) A-4-3.3.2;

(b) A-4-3.3.3;

(c) Figure A-4-3.3.3.3;

(d) A-4-3.3.4; and

(e) A-4-3.3.5

(3) The following language is added to chapter 4, section 4-3.3 of NFPA-13D, 1999 edition: "Any approved automatic fire protection system installed in any one family dwelling, two family dwelling or manufactured home is prohibited from using or containing any antifreeze solution in any portion of said system."

(4) The following language is added to chapter 5, section 5-3.2, appendix A of NFPA-13D, 1999 edition: "An audible local alarm for the approved automatic fire suppression system shall be located on the outside of the dwelling at a location approved by the village's fire department, and shall produce an alarm signal of sufficient intensity (decibel level) to be clearly audible from the public right-of-way adjacent to said dwelling. In addition to said audible local alarm, it is recommended, but not required, that a visual indicator of said audible local alarm be located on the outside of the dwelling unit."

B. The connection of the approved automatic fire protection system shall comply with all of the requirements of the village's water department.

C. Persons installing approved automatic fire protection systems within one- and two-family residential structures shall obtain a permit issued by the village's building department.

D. Plans and specifications for all new approved automatic fire protection systems, and modifications to existing approved automatic fire protection systems, shall be submitted to the village's building department for review prior to any installation or modification. All approved automatic fire protection system plans will be submitted by the village to a private fire protection consultant for review. The permit applicant shall be responsible for all fees associated with all plan reviews as required by the village's cost recovery policy.

E. Prior to any new approved automatic fire protection system being placed into service, it shall be inspected by, and tested in the presence of, a private fire protection consultant designated by the building commissioner. A minimum of forty eight (48) hours' notice shall be provided prior to any required inspection and testing. The applicant shall be responsible for all fees associated with the rough inspection, final inspection, and any re-inspections as required by the village's cost recovery policy.

F. Every effort shall be made to ensure that sprinkler pipes are not installed within cold spaces or exterior walls. If there is no alternative but to place sprinkler pipes in a cold space or within exterior walls, said sprinkler pipes shall be fully insulated with an insulation value of R38, and said insulated area shall be completely framed in and boxed in using plywood. These plywood boxes shall be completed and in place at the time of the rough sprinkler inspection.

G. One sealed and stamped current set of approved sprinkler plans shall be on site at all times for use by the sprinkler inspector when performing any sprinkler system inspection.

H. The contractor installing the sprinkler system shall provide two (2) complete sets of as built drawings of the sprinkler system to the sprinkler inspector at the time of the final inspection. Said as built drawings shall include a sworn statement by the contractor certifying that the as built drawings are true and accurate.



**21.16: CARBON MONOXIDE DETECTORS:**

A. Except where a building permit application has been received by the village on or before August 21, 2000, carbon monoxide detectors, listed in accordance with UL standard 2034, shall be installed in all new residential construction including, but not limited to, R-1, R-2, R-3, R-4 and mixed residential. Installation shall be completed in accordance with NFPA 720, entitled recommended practice for the installation of household carbon monoxide (CO) warning equipment, 1998 edition.

B. Carbon monoxide detectors shall be installed on every floor level of the residential structure. Detectors shall also be located near sleeping areas.

C. For all required carbon monoxide detectors in occupancies other than existing one- and two-family residential structures, the primary (main) power source shall be the A/C house electrical current.

D. Notwithstanding the requirement set forth in subsection C of this section, carbon monoxide detectors in other than existing one- and two-family residential structures may be powered from a monitored D/C circuit with a control unit having an ample battery backup capability. In such cases, the primary power source for the control unit shall, however, be from a dedicated A/C circuit. Control units shall maintain and automatically continue to provide D/C power to the carbon monoxide detectors upon loss of primary (main) A/C power. The control unit shall return to normal status and automatically continue to provide D/C power to the carbon monoxide alarms upon restoration of primary (main) A/C power.

E. Any modifications to an existing structure which cause the use or occupancy of said structure, or a portion thereof, to change and include a residential use or occupancy, shall cause said structure to have to be brought into compliance with this section.

F. Any one- or two-family residential structure annexed into the village, and construction on this structure was completed and/or a full occupancy permit was issued by the authority having jurisdiction on or after December 13, 2001, shall have carbon monoxide detectors, listed in accordance with UL standard 2034, and installed in accordance with subsections A, B, C, and D of this section.

**21.17: DEFINITIONS:**

For purposes of this chapter, the following terms shall be defined as set forth below, unless otherwise defined within a specific section or subsection of this chapter:

**NEW CONSTRUCTION:**

A. Construction of a completely new structure, or

B. Revisions to an existing structure (which shall comply with all of the provisions of this code and all other adopted codes and standards for new construction) when either of the following conditions exist:

(1) The linear foot measurement of the demolished exterior walls is greater than fifty percent (50%) of the total linear feet of the exterior walls (perimeter of the walls) before demolition. For purposes of this subsection, a wall is considered to be demolished when, in the opinion of the village building commissioner, the structural integrity of the wall has been compromised (no longer capable of supporting the structure) or when two (2) or more components of the wall have been removed; or

(2) Modifications to the existing structure are made after the effective date of this definition (October 27, 2005) and said modifications increase the total floor area of the structure (square footage) by one hundred twenty five percent (125%) or more of the structure's premodification floor area over a period of five (5) consecutive years or less. "Floor area" shall be as defined in section 20.2.2 of this code, which definition excludes a portion of garage space in the R-1 and R-1A districts.

In determining a structure's premodification floor area, the floor area of any portion of the structure which is/will be demolished in order to proceed with the modifications to the structure shall not be counted. As such, the formula for calculating the premodification floor area of a structure for purposes of this subsection B(2) shall be as follows:

(a) If the modification occurs on or before October 26, 2010:

Floor area of the structure on October 27, 2005 (the "original floor area")	-	That portion of the original floor area being demolished to facilitate the modification of the structure	=	Premodification floor area
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(b) If the modification occurs on or after October 27, 2010:

Floor area of the structure on the date five (5) years prior to the date of modification (the "original floor area")	-	That portion of the original floor area being demolished to facilitate the modification of the structure	=	Premodification floor area
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**22.1: DEFINITIONS:**

For purposes of this chapter, the following terms shall be defined as set forth below, unless otherwise defined within a specific section or subsection of this chapter:

**ELECTRICAL EQUIPMENT:** Conductors and equipment installed for the utilization of electricity applied for light, heat or power, but does not include radio apparatus or equipment for wireless reception of sounds and signals, nor ordinary household appliances such as toasters, vacuum cleaners, washing machines, and does not include apparatus, conductors and other equipment under the jurisdiction of the Illinois commerce commission, for use in their operation as a public utility.

**NEW CONSTRUCTION:** Shall be defined as set forth in section 21.17 of this code.

**22.2: ELECTRICAL INSPECTOR:**

A. Duties: The electrical inspector appointed by the village manager shall perform the functions of an electrical inspection department as prescribed by the Illinois municipal code, for the regulation of the installation, alteration and use of electrical equipment, and shall be charged with the duty of enforcing the statutes, ordinances and rules and regulations relating to the installation, alteration and use of electrical equipment.

B. Records: The village shall keep complete records of all permits and certificates issued and inspections made in accordance with this chapter, and other official work performed, which records shall be open to inspection at the village hall in accordance with Regulations of the Illinois State Local Records Commission.

**22.3: NATIONAL ELECTRICAL CODE:**

A. Adoption: The standards and specifications of the national electrical code NFPA no. 70 (2014) and the International Code Council electrical code-administrative provisions (2015) as may be amended from time to time and as amended below and forthcoming are hereby adopted as the standards and specifications and minimum rules and regulations for the installation, alteration, repair and use of electrical equipment, subject, however, to additional standards, rules and regulations set forth in this chapter and except where they are in conflict with other provisions of this code. Where they are in conflict the standards and regulations set forth in the national electrical code shall prevail.

B. Amendments To National Electric Code: The 2014 national electrical code is revised and amended as follows:

Section 220.82 Dwelling - Add the following new subsection: "(D) Optional Calculation-Dwelling Unit. All single family units having living space less than two thousand square (2,000) feet shall utilize a minimum one hundred (100) ampere service excluding the requirements of electrical heating, if any. Dwellings having living space greater than two thousand (2,000) square feet shall utilize a minimum of two hundred (200) ampere service exclusive of electrical heating."

Section 230.70(A)(1) Readily Accessible Location. Delete this section and insert the following "Readily Accessible Location. The service disconnection means shall be installed at a readily accessible location outside of a building or structure nearest the point of entrance of the service conductors. The door from any room containing a three-phase, commercial service shall be equipped with panic bar hardware and shall swing out in the direction of egress from the room."

Section 324.10 Uses Permitted. - Delete this section and insert the following: "Flat conductor cable (type FCC) shall be prohibited."

Section 326.10 Uses Permitted. - Delete this section and insert the following: "Integrated gas spacer cable (type IGS) shall be prohibited."

Section 328.10 Uses Permitted. - Delete this section and insert the following: "Medium voltage cable (type MV) shall be prohibited."

Section 332.10 Uses Permitted. - Delete this section and insert the following: "Mineral-insulated, metal-sheathed cable (type MI) shall be prohibited."

Section 334.10 Uses Permitted - Delete this section and insert the following: "Nonmetallic-sheathed cable (types NM, NMC and NMS) shall be prohibited."

Section 338.10 Uses Permitted - Delete this section and insert the following: "Service entrance cable (types SE and USE) shall be prohibited."

Section 340.1 Scope - Add the following sentence: "Underground feeder and branch-circuit cable shall be a listed type UF copper cable in sizes no. 14 through no. 4/0".

Section 340.10 Uses Permitted - Delete subsection (4) in its entirety.

Section 352.10 Uses Permitted - Delete (A), (B), (C), (D), (E), (F) and (H). Paragraph (G) remains as written.

Section 354.10 Uses Permitted - Add subsection: "(5) Non-metallic underground conduit with conductors used for direct burial under streets, highways, and parking lots shall be placed at a depth at least thirty-six inches (36") below grade."

Section 362.10 Uses Permitted - Delete this section and insert the following: "Electrical nonmetallic tubing (ENT) shall be prohibited."

Section 394.10 Uses Permitted - Delete this section and insert the following: "Concealed knob and tube wiring shall be prohibited."

Section 396.10 Uses Permitted - Delete this section and insert the following: "Messenger supported wiring shall be prohibited."

Section 398.10 Uses Permitted - Delete this section and insert the following: "Open wiring on insulators shall be prohibited."

C. Amendments To Administrative Provisions: The 2015 International Code Council electrical code - administrative provisions are hereby revised and amended as follows:

Section 101.1 - Insert: "Village of Clarendon Hills"

Section 404.2. Schedule Of Permit Fees. - Insert: "See schedule S22 of the Clarendon Hills village code"

Section 404.5. Refunds. - Delete entire section.

Chapter 11. Means Of Appeal. - Delete entire chapter.

Section 1202.2. Nonmetallic-Sheathed Cable. - Delete this section and as a substitute insert the following sentence: "The use of nonmetallic-sheathed cable (types NM, NMC and NMS) shall be prohibited."

## **22.4: ADDITIONAL STANDARDS AND SPECIFICATIONS:**

A. Conduit: Only heavy wall rigid metal conduit or intermediate metallic conduit shall be used in all poured concrete on or below grade.

(1) Conduits smaller than three-quarter inch (3/4") in concrete are not permitted.

(2) EMT is not permitted in concrete or outdoors.

(3) PVC #40, rigid galvanized or intermediate conduit may be used for underground service.

B. Commercial Service: Minimum service size for commercial building shall be one hundred (100) amp, single phase or three (3) phase.

C. Metallic Protection: Low voltage (not to exceed 50 volts) may be installed in plenums without metallic protection (except where passing through partitions or subject to mechanical injury) when cable listed by Underwriters' Laboratories, Inc. (UL) for this purpose is utilized.

D. Twin Or Tandem Breakers: Twin or tandem breakers are not acceptable for new work.

E. Construction Plans: Where new construction or alteration work involves electrical work of any type, the construction plans shall include a complete wiring plan that contains the following information:

- (1) Number and locations of outlets.
- (2) Size of wire and insulation type conduit.
- (3) Number of circuits and their ampere rating.
- (4) Location of service entrance equipment.
- (5) Location of major appliances.
- (6) Size of existing service.
- (7) Location of all panel boards and cabinets.
- (8) Sizes of all motors and power consuming equipment and their ratings.
- (9) Electrically heated homes shall have the location and wattage of all heating equipment and the corresponding circuits.
- (10) Specifications and locations for all exit and emergency lights.
- (11) Provide schedule on lighting and power panels.

F. Village Review And Approval: All plans must be reviewed and approved by the village. All installations must be approved by the electrical inspector in the field.

G. Ground Electrode Clamp: An approved nonferrous metal tag shall be attached to the ground electrode clamp giving warning against its removal.

H. Commercial Wiring: All commercial wiring shall be minimum no. 12 gauge wire, except low voltage wiring.

I. Thin Wall/Aluminum Heavy Wall Conduit: Thin wall (EMT) conduit shall not be used for electrical services. Aluminum heavy wall conduit, if used, shall be installed above grade only.

J. Switches: All rooms with multiple entrances or exits which are more than six feet (6') apart shall utilize 3-way or 4-way switches unless an alternate arrangement is approved by the building inspector.

K. Service Run Location: Service runs should not be located on chimneys or on fire or parapet walls.

L. Exterior Lighting: No exterior light fixture or fixtures shall be installed so as to cause light in excess of 0.5 foot-candle when measured on any adjacent residential property.

## **22.5: PERMITS:**

No person shall install electrical equipment without a permit therefor unless specifically exempted therefrom by provisions of the national electrical code or this code. Permits for installation, alteration and use of electrical equipment shall first be issued only on receipt of an application submitted to the building commissioner, and upon payment of the fee set forth in schedule S22 of this code.

**22.6: INSPECTION AND OPERATION:**

No electrical outlets shall be closed or work covered before notice is given to the electrical inspector giving ample time to make an inspection. No electrical equipment shall be placed in operation until approved by the inspector.

**22.7: WORK BY HOMEOWNER:**

A person owning and living in a single-family residence may do electrical work in that person's home, but such work shall be inspected by the village electrical inspector or certified by a licensed electrician.

**22.8: CONTRACTOR'S BOND AND LICENSE:**

Any person engaged in the business of installing, repairing, or altering electrical service and distribution shall, before engaging therein in the village, deposit with the village a bond in the sum of ten thousand dollars (\$10,000.00), and submit their current electrical license.

**25.1: ADOPTION:**

The rules and regulations for the maintenance of all buildings and structures, as published in the international property maintenance code, 2015 edition, by the International Code Council, Inc., are hereby adopted and incorporated by reference, as if fully set forth herein, as part of the property maintenance code for the village. A copy of the ICC international property maintenance code, herein adopted, shall be kept available in the community development department at the village hall, for use, inspection and examination.

**25.2: AMENDMENTS TO THE INTERNATIONAL PROPERTY MAINTENANCE CODE:**

The international property maintenance code, 2015 edition, as heretofore adopted, is hereby amended by the following additions, insertions, and deletions:

Section 101.1 Title: Insert: "Village of Clarendon Hills"

Section 109.6 Hearing: Substitute the words "village board" for the words "appeals board".

Section 111 Means Of Appeal: Delete entire section.

Section 302.4 Weeds. Insert: "eight inches (8)"

Section 304.14 Insect screens. Insert the dates "April 1" and "October 1";

Section 505.1 General: Substitute the words "Illinois plumbing code" for the words "international plumbing code".

Section 602.2 Residential Occupancies. Substitute the words "70 degrees F (21 degrees C)" for the words "68 degrees F (20 degrees C)".

Section 602.3 Heat Supply. Insert the dates "October 1" and "June 1"; substitute the words "70 degrees F (21 degrees C)" for the words "68 degrees F (20 degrees C)".

Section 602.4 Occupiable Work Spaces. Insert the dates "October 1" and "June 1"; substitute the words "68 degrees F (20 degrees C)" for the words "65 degrees F (18 degrees C)".