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**THE VILLAGE OF FRANKLIN PARK**  
**COOK COUNTY, ILLINOIS**

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**ORDINANCE**

**NUMBER 0910-VC-34**

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**AN ORDINANCE AMENDING TITLE 8 OF THE VILLAGE CODE OF  
THE VILLAGE OF FRANKLIN PARK, COOK COUNTY, ILLINOIS  
(NFPA 70 NATIONAL ELECTRICAL CODE)**

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**BARRETT F. PEDERSEN, Village President**  
**TOMMY THOMSON, Village Clerk**

**JUAN ACEVEDO**  
**PAUL BELLENDIR**  
**TOM BRIMIE**  
**JOHN JOHNSON**  
**CHERYL MCLEAN**  
**ROSE RODRIGUEZ**  
**Trustees**

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**WHEREAS**, the Village of Franklin Park, Cook County, Illinois (the "*Village*") is a duly organized and existing municipal corporation created under the provisions of the laws of the State of Illinois and under the provisions of the Illinois Municipal Code, as from time to time supplemented and amended; and

**WHEREAS**, the President and Board of Trustees of the Village of Franklin Park (the "*Corporate Authorities*") are charged with the responsibility of establishing and updating building construction and safety codes, standards and regulations in the Village to ensure that matters pertaining to safety issues and concerns are examined and addressed in order to protect the health, safety and welfare of the residents of the Village; and

**WHEREAS**, the Corporate Authorities are committed to providing the residents of the Village with building construction and safety codes standards and regulations that are consistent and predictable, that reflect the latest standards in technology and safety, and that readily adapt to advances and provide uniformity with nationally recognized standards and requirements; and

**WHEREAS**, in accordance with the Illinois Municipal Code, copies of the NFPA 70 National Electrical Code, 2005 Edition, have been duly filed in the office of the Village Clerk and made available for public use, inspection and examination for a period no less than thirty (30) days before the adoption of this Ordinance by the Village.

**NOW, THEREFORE, BE IT ORDAINED** by the President and Board of Trustees of the Village of Franklin Park, Cook County, Illinois, as follows:

**Section 1.** That the above recitals and legislative findings are found to be true and correct and are hereby incorporated herein and made a part hereof, as if fully set forth in their entirety.

**Section 2.** Chapter 6 ("*International Property Maintenance Code*") of Title 8 ("*Building and Building Regulations*") of the Village Code of Franklin Park, Illinois, is hereby amended by deleting the following stricken language and adding the underlined language to read, as follows:

**CHAPTER 6:           INTERNATIONAL PROPERTY MAINTENANCE CODE**

**CHAPTER 6:           ADOPTED CODES**

**8-6-1: ADOPTION OF CODE**

~~The rules and regulations of the Building Officials and Code Administrators International, Inc., as contained in the following code: "The International Property Maintenance Code, 1998 Edition" as published by the Building Officials and Code Administrators International, Inc., Country Club Hills, Illinois are hereby adopted and incorporated as fully as if set out at length herein.~~

**8-6-7: 2005 EDITION OF THE NFPA 70 NATIONAL ELECTRICAL CODE:**

The NFPA 70 National Electric Code, 2005 edition, and referenced standards, tables and Annex A, Annex B, Annex C, Annex D, Annex E, Annex F and Annex G, as published by the National Fire Protection Association, a copy of which is on file and available for public use, inspection and examination in the office of the Village Clerk, is hereby adopted as the Electric Code of the Village, for setting forth minimum standards for regulating and governing the installation of electric wiring; and each and all of the standards, specifications, rules, regulations, provisions, conditions and terms of said National Electric Code are hereby referred to and made a part hereof, as if fully set out in this Section of the Village Code with the additions, insertions, deletions and changes, if any, prescribed in Section 8-6-8 of the Village Code. The adoption of the National Electric Code shall not be construed as preventing the enforcement of or as repealing the provisions of any ordinance, regulation, standard or code adopted by the Village which is more restrictive than the provisions of this Section. In the event any provision of this Section conflict with any other ordinance, regulation, standard or code adopted by the Village, the more restrictive shall be applicable.

**8-6-8:               REVISIONS TO THE 2005 EDITION OF THE NFPA 70 NATIONAL ELECTRIC CODE:**

**I.       The 2005 Edition of the NFPA 70 National Electric Code is hereby amended, as follows:**

**Article 110.26(c)(2):**

**Access and Entrance to Working Space.**

Amend to read, as follows: "For equipment rated 1200 amperes or more and over six (6) feet wide containing over current devices, switching services, or control devices, there shall be two entrances not less than thirty-two (32) inches wide and six and two thirds (6 2/3) feet high at each end of the working space."

**Article 210.5(c):**

**Identification of Underground Conductors.**

Amend by adding the following: "The means of identification of each system phase conductor, wherever accessible, shall be color coded for 277/480 volt (brown, orange, and yellow with gray as neutral conductor) and for 120/208 volt (blue, red, and black with white as neutral conductor)."

**Article 210.52(g):**

**Basements and Garages.**

Amend by adding the following: "In the construction of, or addition to, attached and detached garages, at least one lamp holder, one switch and one GFCI receptacle shall be required."

**Article 215.9:**

**Ground-Fault Protection for Personnel.**

Amend by adding the following: "Ground-fault circuit interrupters shall be self-contained units, circuit breaker types, feed-through receptacle types or other approved types. When feed-through GFCI receptacles are used, they shall feed only receptacles on the same floor as the resetting means."

**Article 230:**

**Services.**

Amend by adding the following:

"A. General.

1. Each dwelling unit main service entrance equipment shall consist of a single disconnecting means of not less than 100-ampere capacity. A minimum of six (6)

breakers or fuses must be in use for any dwelling unit.

2. In commercial and industrial buildings, the service shall have a rating not less than the load to be carried; however, in no case shall service be smaller than 100-ampere. Half-size breakers are not approved for any use.

**Article 230.43:**

**Wiring Methods for 600 Volts or Less.**

Amend by adding the following: "Service entrance conductors preceding the first disconnecting means shall be installed in accordance with the applicable requirements of this code covering the type of wiring method used and limited to the following methods: 1) rigid metal conduit; 2) intermediate metal conduit; or 3) rigid nonmetallic conduit when located outside the structure and terminating at the local utility pad."

**Article 230.54:**

**Overhead Service Locations.**

Amend by adding the following: "All service raceways are required to have a rain tight service head, including raceways mounted to poles and those for underground services."

**Article 230.71:**

**Maximum Number of Disconnects.**

Amend by adding the following: "All new electrical must include no more than one main disconnect."

**Article 250.4(A):**

**Grounding Systems.**

Amend by adding the following: "Any flexible conduit must contain a green conductor."

**Article 250.92:**

**Metal Underground Water Pipe.**

Amend by adding the following: "A metal underground water pipe in direct contact with the earth for 10 ft. (3.05 m) or more (including any metal well casing effectively bonded to the pipe) and electrically continuous (or made electrically continuous by bonding around insulating joints or sections or insulating pipe) to the points of connection of the

grounding electrode conductor and the bonding conductors. Continuity of the grounding path or the bonding connection to interior piping shall not rely on water meters or filtering devices and similar equipment. All ground conductors shall be enclosed in conduit and run to the street side of water meter and shall be terminated in a visible and readily accessible location with a "Warning Tag". Water meters shall have a jumper wire installed."

**Article 250.92(A):**

**Bonding of Services.**

Amend by adding the following: "The grounding electrode conductor of an electrical service must be grounded directly to the underground water service pipe for the building on the street-side of the water meter. Exception 1: For a single-unit dwelling with a finished drywall or paneled ceiling in the basement that would have to be damaged in order to reasonably install a required conduit to the water service; the electrical service may be grounded to any cold water pipe, and with a bonding jumper across the water meter, if it is established that the cold water pipe from the point of attachment to the water meter is electrically continuous. Exception 2: In a building where the water service is more than 350 feet from the location of the electrical service; the service can be grounded to a cold water pipe assuming the pipe is visible over its entire length from the point of attachment to the water meter, the pipe is electrically continuous, and there are no shutoffs over that length. A supplemental grounding means to the building steel and/or an outside tri-electrode driven ground is also required."

**Article 300.13(c):**

**Mechanical and Electrical Continuity-Conductors.**

Amend by adding the following: "Use of stab-back connections on receptacles is prohibited."

**Article 300.22:**

**Wiring in Ducts, Plenums, and Other Air-Handling Spaces.**

Amend by adding the following: "All connectors within a concealed environmental air space shall effectively close any openings in the connection. All luminaries, electrical boxes, etc. shall be free of holes and gasketed. Flexible conduit must be plenum rated."

**Article 310.2(b):**

**Conductor Material.**

Amend by adding the following: "Use of aluminum conductors and copper-clad aluminum conductors is prohibited. Conductor material shall be copper only."

**Article 330:**

**Metal-Clad Cable.**

Delete in its entirety.

**Article 334:**

**Nonmetallic-Sheathed Cable.**

Delete in its entirety.

**Article 338:**

**Service Entrance Cable.**

Delete in its entirety.

**Article 344-1:**

**Use.**

Amend by adding the following: "The use of listed electrical metallic tubing shall be permitted for both exposed and concealed work. Electrical metallic tubing shall not be used (1) where, during installation or afterward, it will be subject to severe physical damage; (2) where protected from corrosion solely by enamel; (3) in cinder concrete or cinder fill where subject to permanent moisture unless protected on all sides by a layer of non-cinder concrete at least 2 in. (50.8 mm) thick or unless the tubing is at least 18 in. (457 mm) under the fill; (4) in any hazardous (classified) location equipment except conduit bodies no larger than the largest trade size of the tubing; or (6) in earth or in concrete on or below grade. Where practicable, dissimilar metals in contact anywhere in the system shall be avoided to eliminate the possibility of galvanic action."

**Article 352.10:**

**Uses Permitted.**

Delete (a), (c), (d), (e) and (f) in their entirety.

**Article 368.56:**

**Branches from Busways.**

Delete in its entirety.

**Article 382:**

**Nonmetallic Extensions.**

Delete in its entirety.

**Article 394:**

**Concealed Knob and Tube Wiring.**

Delete in its entirety.

**Article 396:**

**Messenger Supported Wiring.**

Delete in its entirety.

**Article 400:**

**Flexible Cords and Cables.**

Amend by adding the following: "Equipment cords from the point of termination with equipment to the point of connection cannot exceed six feet in length. The point of connection for cords supplying equipment from above must be directly above the equipment."

**Article 410.16:**

**Means of Support.**

Amend by adding the following: "Safety chains or an equivalent supplemental support means are required for the installation of all HID high-bay or low-bay luminaries. Further, no luminaries are to be solely supported by the corrugated metal ceiling of a building. For luminaries mounted in grid ceilings, flexible metallic conduit must be used to allow movement of the luminaries to provide access to the space above the ceiling."

**Article 450.27:**

**Oil-Insulated Transformers Installed Outdoors.**

Amend by adding the following: "Space separations shall be at least five (5) feet horizontally from a doorway or window and twenty (20) feet from a fire escape."

**Article 490:**

**Equipment, Over 600 Volts, Nominal.**

Amend by adding the following: "Service entrance conductors of more than 600 volts, and those supplying power to a fire pump, shall be installed in rigid metallic conduit, buried no less than 36 inches below the surrounding grade, and enclosed by concrete no less than 2



inches thick. Such runs of conduit buried in concrete shall be identified by signs or painting so as to eliminate the possibility of damage to them during building, remodeling, or repairs."

**Article 500:**

**Class I, Zone 0, 1 and 2 Locations.**

Delete in its entirety.

**Article 590.3:**

**Time Constraints.**

Amend by adding the following: "Temporary wiring must be removed in the event of a halt or significant delay during the period of construction."

**Article 604:**

**Manufactured Wiring Systems.**

Delete in its entirety.

**Article 700.1 2(e):**

**Unit Equipment.**

Amend by adding the following: "Individual unit equipment for emergency illumination shall consist of (1) a rechargeable battery; (2) a battery charging means; (3) provisions for one or more lamps mounted on the equipment, or shall be permitted to have terminals for remote lamps, or both; and (4) a relaying device arranged to energize the lamps automatically upon failure of the supply to the unit equipment."

The batteries shall be of suitable rating and capacity to supply and maintain not less than 87-112 percent of the nominal battery voltage for the total lamp load associated with the unit for a period of at least 1-1/2 hours, or the unit equipment shall supply and maintain not less than 60 percent of the initial emergency illumination for a period of at least 1-1/2 hours. Storage batteries, whether of the acid or alkali type, shall be designed and constructed to meet the requirements of emergency service.

Unit equipment shall be permanently fixed in place (i. e.; not portable) and shall have all wiring to each unit installed in accordance with the requirements of any of the wiring methods in Chapter 3. The branch circuit feeding the unit equipment shall be the same branch circuit as that

serving the normal lighting in the area and connected ahead of any local switches. The branch circuit feeding unit equipment shall be clearly identified at the distribution panel. Emergency illumination fixtures that obtain power from a unit equipment and are not part of the unit equipment shall be wired to the unit equipment as required by Section 700-9 and by one of the wiring methods of Chapter 3.

Exception: In a separate and uninterrupted area supplied by a minimum of three normal lighting circuits, a separate branch circuit for unit equipment shall be permitted if it originates from the same panel board as that of the normal lighting circuits and is provided with a lock-on feature."

**Article 700.16:**

**Emergency Illumination.**

Amend by adding the following: "Non-powered exit lighting is not accepted. For emergency illumination of stairways at least one emergency light head must be directed at each tread and landing. In hotels and large multi-dwelling units, exit lights on stairways must be located 24" above the floor as well as at typical height."

**Article 701.11(d):**

**Separate Service.**

Delete in its entirety.

**Article 725:**

**Class 1, Class 2, and Class 3 Remote-Control, Signaling, and Power Limiting Circuits.**

Amend by adding the following: "Burglar alarm circuits must be identified in the electrical panel and use a circuit breaker lock where applicable."

**Article 760:**

**Fire Alarm Systems.**

Amend by adding the following: "Fire alarm circuits must be identified in the electrical panel and use a circuit breaker lock where applicable. Fire alarm must be hard-wired to their electrical power source."

**II. Additional Amendments:**

Hard-wired smoke detectors in dwelling units are required in each sleeping area and on each floor. Hard-wired carbon monoxide detectors are required within 15 feet of each sleeping area and in proximity of a furnace. All devices must be interconnected and cannot be run through the same conduit as any other conductors after the point of origin. The point of origin may be from any junction box on the same level of the dwelling as the service panel. In all apartments, one hard-wired smoke detector and one hard-wired carbon monoxide detector are required to be located within 15' of bedrooms.

At the time an owner or tenant moves out of a building, all electrical wiring other than that securely fastened and terminated must be removed. This includes all low-voltage wiring that is not required for the use of a future tenant.

It is not permitted to operate any equipment connected under permit until approval by the Electrical Inspector or Director of Inspectional Services, unless special permission is granted in writing.

The use of aluminum or copper-clad aluminum wire for any purpose of grounding is prohibited. In all non-residential applications all buss detail must be copper.

### **III. Electrical Contractor Registration; Required:**

#### **A. Registered Electricians or Electrical Contractors:**

It shall be unlawful for any person to engage in the business of electrical contractor, without being registered or licensed as an electrician or an electrical contractor. All electrical contractors and electricians must be registered or licensed in the State of Illinois by an entity that has an Electrical Commission, and requires the applicant pass a test prior to the issuance of a license in conformity with the testing qualifications and standards as may be set forth in any state statute or regulation. It is left to the interpretation of the Director of Inspectional Services whether to accept the electrical license. All electricians or electrical contractors shall be required to show proof of such registration or license and proof that the contractor or electrician has successfully passed the testing requirements. The term "registered electrician" as used in this section shall be understood to mean any person installing or altering electrical equipment for the utilization of electricity supplied for light, heat or power, not including radio apparatus or equipment for wireless reception of sounds and signals, conductors and other equipment installed under the jurisdiction of the Illinois Commerce Commission, for use in their operation as public utilities; but the term "registered electrician" does not include employees of an electrical contractor who do not perform or supervise electrical work. Contractors are required to provide a license and permit bond, and a certificate of insurance.

**B. Home Owners:**

A home owner may perform electrical work on his or her own home if (a) it is a single-family dwelling, (b) it is their primary residence, and (c) they provide proof of adequate knowledge. The Director of Inspectional Services or Electrical Inspector reserve the right to have the homeowner complete a quiz to provide adequate knowledge. No person other than the home owner may perform electrical work under this provision.

**C. Suspension:**

Where a registered electrician or electrical contractor is found doing electrical work without a permit on two (2) separate occasions within any twelve (12) month period, a hearing shall be held by the Electrical Inspector in the presence of the Director of Inspectional Services, at which time the permit privileges of said electrician or electrical contractor may be suspended for a period of time not to exceed one (1) year.

**D. Emergency Disconnect:**

In the event of emergency, the Electrical Inspector or Director of Inspectional Services has the authority to disconnect current to any electrical equipment found to be unsafe.

**IV. Permit:**

**A. Permit Required; Penalty:** No electrical equipment shall be installed or altered except upon a permit first issued by the Department of Inspectional Services authorizing the installation, alteration or repair of electrical equipment. Where an electrical installation has been started prior to the issuance of a permit for such work, the normal permit fee shall be doubled.

**B. Application:** The Director of Inspectional Services shall issue permits for such installations and alteration of electrical equipment in all cases where application for such permit shall be made in accordance with the rules and regulations applicable thereto; provided, however, that no permit shall be issued for installing or altering by contract, electrical equipment, unless the person applying for such permit is registered as an electrical contractor as herein required, and shall have been paid in advance upon filing the application.

**C. Inspection:** The Director of Inspectional Services or the Electrical Inspector shall inspect or shall cause to be inspected all electrical

equipment installed or altered, except such electrical equipment as may be lawfully exempt, and shall require that it conform to the electrical regulations as herein required.

**D. Certificate:** Upon completion of such installation or alteration in compliance with the electrical regulations as herein required, the Electrical inspector shall, on request made by a registered electrical contractor, issue a certificate of inspection covering such installation or alteration; provided, however, that no such certificate shall be issued until all inspection have been paid.

**E. Reinspection:** The Director of Inspectional Services or his Electrical Inspectors are hereby empowered to reinspect any electrical equipment within the scope of the electrical regulations as herein required, and when said electrical equipment is found to be unsafe to life or property, shall notify in writing either the owner, his agent for the purpose of managing, controlling or collecting rents or any other person managing, controlling, using or operating the same to place electrical equipment in a safe and secure condition in compliance with the electrical regulations as herein required within such time as the Commissioner shall determine, but in no event later than fifteen (15) days from the date of such notice. Refusal to comply with the requirements of such notice shall subject the person owning, managing, operating and using such electrical equipment to the penalties as herein provided.

**F. Permit Record:** The Department of Inspectional Services shall keep complete records of all permits issued and inspections made and other official work performed under the electrical regulations as herein required.

**V. Penalty; Removal:**

In addition to any violation or penalty as provided by the Village Code, so much of any electrical installation as may be erected or altered and maintained in violation of the requirements herein contained shall be condemned and the Director of Inspectional Services upon the written recommendation of the Electrical Inspector is hereby empowered to cut off and discontinue current to such electrical wire and apparatus.

**8-6-2: PENALTY:**

~~Any person, firm or corporation who shall violate any provision of this chapter or of the codes and regulations adopted by this chapter or who shall fail to comply with any of the requirements thereof, shall upon conviction be fined in an amount not less than two hundred fifty dollars (\$250.00) nor more than seven hundred fifty dollars (\$750.00) for each such violation or~~

~~failure to comply. Each day that a violation or failure to comply continues shall be deemed a separate offense.~~

**8-6-15: VIOLATION PENALTIES:**

Any person, firm or corporation who shall violate a provision of this chapter or of the codes and regulations herein adopted or who shall fail to comply with any of the requirements thereof, shall be fined in an amount not less than fifty dollars (\$50.00) nor more than seven hundred fifty dollars (\$750.00), or to such other remedies as provided by law, for each such violation or failure to comply. Each day that a violation or failure to comply continues shall be deemed a separate offense.

**Section 3.** That nothing in this Ordinance or in the NFPA 70 National Electrical Code, 2005 Edition, hereby adopted shall be construed to affect any suit or proceeding impending in any court, or any rights acquired, or liability incurred, or any cause or causes of action acquired or existing, under any act or ordinance hereby repealed, nor shall any just or legal right or remedy of any character be lost, impaired or affected by this Ordinance.

**Section 4.** This Ordinance, and its parts, are declared to be severable and any section, subsection, sentence, clause, provision, or portion of this Ordinance that is declared invalid such decision shall not affect the validity of any other portion of this Ordinance, which shall remain in full force and effect. The Corporate Authorities hereby declare that the passage of this Ordinance would have occurred, irrespective of the fact that any one or more of its sections, subsections, sentences, clauses, provisions, or portion thereof, was at the time of passage invalid or unconstitutional.

**Section 5.** If any part of this Ordinance is found to be in conflict with any other ordinance, resolution, motion or order or parts thereof, the most restrictive or highest standard shall prevail.

**Section 6.** This Ordinance and the rules, regulations, provisions, requirements, orders and matters established and adopted herein and hereby shall take full force and be in effect on January 1, 2010, at 12:00 A.M., Central Standard Time, due to the urgent nature of the matter herein in

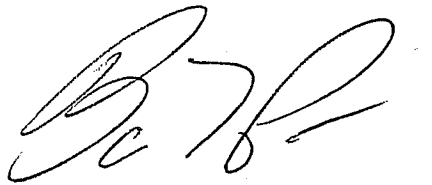
order to establish uniform standards and regulations throughout the Village and to ensure that the health, safety and welfare of the residents of the Village is duly protected.

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**ADOPTED** by the President and Board of Trustees of the Village of Franklin Park, Cook County, Illinois this 21st day of December 2009, pursuant to a roll call vote, as follows:

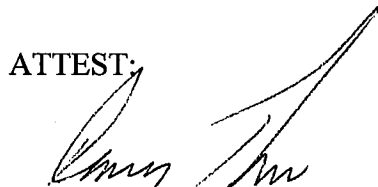
	YES	NO	ABSTAIN	ABSENT	PRESENT
ACEVEDO	X				
BELLENDIR	X				
BRIMIE	X				
JOHNSON	X				
MCLEAN	X				
RODRIGUEZ				1	
PRESIDENT PEDERSEN					
<b>TOTAL</b>	5			1	

**APPROVED** by the President of the Village of Franklin Park, Cook County, Illinois on this 21st day of December 2009.



BARRETT F. PEDERSEN  
VILLAGE PRESIDENT

ATTEST:



TOMMY THOMSON  
VILLAGE CLERK