



Amendments to the:

**2008 National Electric Code &
Appendix K of the 2009
International Building Code**

For Buildings other than Detached 1 & 2 Family Dwellings and Multiple
Single-Family Dwelling (Town Houses)

STATE OF ILLINOIS)
) SS
COUNTY OF WINNEBAGO)

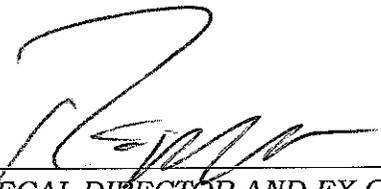
CERTIFICATE OF PUBLICATION IN PAMPHLET FORM

I, the undersigned, do hereby certify that I am the duly qualified and acting Legal Director and ex officio Keeper of the Records and Seal of the City of Rockford, Winnebago County, Illinois (the "City"), and as such official I am the keeper of the official journal of proceedings, books, records, minutes and files of the City and of the City Council (the "City Council") thereof.

I do further certify that on the 25th day of October, 2010, there was published in pamphlet form, by authority of the City Council, a true, correct and complete copy of Ordinance No. **2010-120-O** and said ordinance as so published was on said date readily available for public inspection and distribution, in sufficient number, at my office as Legal Director and ex officio Keeper of the Records and Seal located in the City.

IN WITNESS WHEREOF I have affixed hereto my official signature and the seal of the City, this 25th day of October, 2010.

[SEAL]



LEGAL DIRECTOR AND EX OFFICIO
KEEPER OF THE RECORDS AND SEAL

ORDINANCE NO. 2010-120-0

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY ROCKFORD, ILLINOIS THAT:

Chapter 105, of the Code of Ordinances of the City of Rockford, Illinois, passed April 7, 2008, approved April 14, 2008, and published April 14, 2008 as amended, be and the same is hereby amended by the following, to wit:

Section 105-114 is amended as follows:

Section 105-114 Electrical Code Adopted by reference.

The ICC International Building Code/2009 Appendix K and the 2008 National Electrical Code (NFPA 70), are hereby referred to, adopted and made apart hereof as if fully set out in this article with the additions, insertions, deletions and amendments contained in Section 105-115 of this article.

Section 105-115 is amended as follows:

Section 105-115 Amendments to Electrical Code:

The ICC Building Code/2009, Appendix K, and the 2008 National Electrical Code are amended as follows:

(1) Section K101.3 is added as follows:

K101.3 Definitions: For the purposes of this Appendix, the following definitions shall be used.

ELECTRICAL CONTRACTOR. Whenever the term “electrical contractor” is used, it shall mean any person, firm, or corporation undertaking the execution of electrical work or engaged in the business of installing or altering by contract electrical equipment for utilization of electricity, supplied for light, heat, or power, not including radio apparatus or equipment for wireless reception of sounds and signals, and not including apparatus, conductors and other equipment installed for or by public utilities, including common carriers, which are under jurisdiction of the Illinois Commerce Commission for use in their operation as public utilities; the term “electrical contractor” does not include employees employed by such contractor to do or supervise such work, nor does it include homeowners who do their own work in their own home.

ELECTRICAL EQUIPMENT. Whenever the term “electrical equipment” is used, it shall mean conductors and equipment installed for the utilization of electricity supplied for light, heat, or power, but does not include radio apparatus or equipment for the wireless reception of sounds and signals, and does not include apparatus, conductors, and other equipment installed for or by public utilities, including common carriers which are under the jurisdiction of the Illinois Commerce commission for use in their operation as public utilities.

(2) Section K101.4 is added as follows:

K101.4 Restriction of employees. An official or employee connected with the enforcement of this code, except whose only connection is that of a member of the board of appeals established under the provisions of section 113 of this code, shall not be engaged in, or directly or indirectly connected with, the furnishing of labor, materials or appliances for the construction, alteration or maintenance of a building, or the preparation of construction documents thereof, unless that person is the owner of the building; nor shall such officer or employee engage in any work that

conflicts with official duties or with the interests of the department.

(3) Section K103.2 is deleted and replaced with the following:

K103.2 Work exempt from a permit. Minor repair work, including:

1. Temporary cord and plug lighting, provided they are not within a tent requiring a permit..
2. Replacement of plug and switch receptacles, light fixtures or ceiling fans weighing less than 35 lbs. provided wiring and junction box are not altered.
3. Repair or replacement of branch circuit overcurrent devices.
4. Temporary wiring for experimental purposes in suitable experimental testing laboratories.
5. Wiring, devices, appliances, apparatus or equipment operating at less than 25v and 50w.
6. Low voltage wiring and systems not associated with fire alarm or other life safety systems.
7. Repair or replacement of interior or exterior wall and ceiling coverings provided:
 - a. not more than 50% of coverings in a room are removed,
 - b. framing is not exposed to the extent where smoke alarms are required to be wired to the building’s electrical system and be interconnected by section 907.2.10,
 - c. electrical wiring in a hazardous condition are not exposed and the minimum standards for receptacles, light switches and light fixtures established in sections 604 and 605 of the *International Property Maintenance Code* as amended have been met,
 - d. electrical systems are not being resized, rearranged or extended.
8. Replacement of counters provided they are not lengthened more than two feet where part of a kitchen or wet bar within a dwelling.

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

Temporary testing systems: A permit shall not be required for the installation of any

temporary system required for the testing or servicing of electrical equipment or apparatus.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for work to be done in violation of the provisions of this code or other laws or ordinances of this jurisdiction.

(4) Section K103.3 is added as follows:

K103.3 Application for permit. Applications for permits shall include at a minimum the name of applicant (must be a registered electrician), street address of job and building permit number (if building permit is required).

(5) Section K103.4 is added as follows:

K103.4 Owner-occupant permit application. Where an owner-occupant is permitted to perform electrical work by exception to section 405.1, an owner-occupant application shall be made to the code official on form provided by the code official.

(6) Section K103.5 is added as follows:

K103.5 Registration of electrical contractors. Before any person, firm, or corporation shall engage in the business as an electrical contractor in the City of Rockford, Illinois, and before any person, firm, or corporation now engaged in said business shall continue in said business, such person, firm, or corporation shall apply for registration stating the name and place of business of the applicant and pay the annual registration fee of \$25.00.

Exception: a person, firm or corporation who can show proof of registration for the current year in any City, Village or County in the State of Illinois, shall not be required to pay the registration fee, but shall apply for and obtain registration from the City of Rockford.

Said certificate of registration issued thereunder shall expire on the 31st of December of the year in which it is issued, and may be renewed on or before the date of expiration. The Senior Electrical Inspector shall keep a suitable record of all registrations.

Exception:

The owner-occupant of a single family dwelling, or the owner of a single family dwelling under construction for his or her occupancy upon completion shall be permitted to plan, install, alter or repair the electrical systems of such dwelling without registration provided that required permits are obtained such systems comply with the requirements of this code. The owner-occupant shall not employ other than a City of Rockford registered electrician to assist him or her.

(7) Section K103.6 is added as follows:

K103.6 Revocation. Certificate of registration issued by the Electrical Commission shall not be loaned, rented, assigned or transferred. Each and every certificate of registration may, after hearing, be suspended or revoked by the Electrical Commission upon failure or refusal of the electrical contractor to comply with the rules and regulations of the Commission, or the provisions of this ordinance.

(8) Section K106.5 is added as follows:

K106.5 Penalties. Any person who fails to comply with the provisions of this code or who fails to carry out an order made pursuant of this code or violates any condition attached to a permit, approval or certificate shall be subject to the penalties established by this jurisdiction and punishable by a fine of not less than \$50 and not more than \$750 dollars.

(9) Section K109.1.1 is added as follows:

K109.1.1 Temporary connection. The code official shall have the authority to authorize the temporary connection of the building or system to the utility source of energy, fuel or power with conditional certificate of approval for a reasonable time to supply and use current in part of an electrical installation before such installation has been fully completed and the final certificate of approval has been issued. The part covered by the temporary certificate shall comply with all the requirements specified for temporary lighting, heat or power in the *2008 National Electrical Code (NFPA 70)*. Such temporary use permits are subject to

discontinuance and complete revocation upon expiration, and to condemnation and revocation at any time during use.

(10) Section K111.4 is deleted.

~~**K111.4 Nonmetallic sheathed cable.** The use of Type NM, NMC and NMS (nonmetallic sheathed) cable wiring methods shall not be limited based on height, number of stories or construction type of the building or structure.~~

(11) Section K112 ELECTRICAL COMMISSION is added as follows:

SECTION K112 ELECTRICAL COMMISSION

K112.1 Electrical Commission established. In order to hear and decide appeals of orders, decisions or determinations made by the code official relative to application and interpretation of this code, there shall be and is hereby created an Electrical Commission. The Electrical Commission shall be appointed by the mayor, with the advice and consent of the city council and hold office at its pleasure. The Commission shall adopt rules of procedure for conducting business, and shall render all decisions and findings in writing to the appellant with duplicate copy to the code official.

K112.2 Membership of commission. The Electrical Commission shall consist of five members appointed by the mayor as follows: (3) for three (3) years and two (2) for two years. The successor to any member of the commission shall be appointed to serve the balance, if any, of his predecessor's appointed term. Otherwise, all successor members of the commission shall be appointed for three (3) year terms.

K112.3 Qualifications. The Electrical Commission shall consist of six individuals, one from each of the following professions or disciplines. 1) The senior electrical inspector as the ex officio chairman, 2) a registered Professional Engineer, 3) an electrical contractor, 4) a journeyman electrician, 5) a representative of an inspection bureau maintained by the fire underwriters or the Chief of the Fire Department or his appointee, 6) a

representative of an electricity supply company. The chairman of the electrical commission shall be elected by the commission members.

(12) Section K112.4 is amended as follows:

K112.4 Decisions of the Electrical Commission. The commission shall modify or reverse the decision of the code official by a concurring vote of a majority of members present. Quorum of the commission shall be by three (3) voting members.

(13) Section K112.5 is added as follows:

K112.5 Duties of commission.

1. The Electrical Commission shall recommend the following providing they are consistent with the provisions of the City of Rockford Code of Ordinances:

- a. Safe and practical standards and specifications for the installation, alteration and use of electrical equipment designed to meet the necessities and conditions that prevail in the city;
- b. Reasonable rules and regulations governing the issuance of permits by the electrical division of the Building Department;
- c. Reasonable fees to be paid for inspection of all electrical equipment installed or altered within the city.

The Electrical Commission shall also act as the board of appeals for the electrical division.

The 2008 *National Electrical Code (NFPA 70)* adopted and referenced by Chapter 27 of the 2009 International Building Code and Appendix K as adopted in the 2009 International Building Code.

(1) Article 110.9(A) is hereby added as follows:

110.9(A) Available Short Circuit Current Form:
An Available Short Circuit Current (ASCC) form will be required stating what the ASCC is and shall be filled out and on file with the City of Rockford Building Department before a permit will be issued for an electrical service for commercial, industrial, and R2, R3 and R4 residential buildings.

(2) Article 210.1(A) is added as follows: **210.1(A) Smoke Detector Circuits.** Smoke detectors required by the *International Building Code* and installed within dwelling units shall not be connected as the only load on a branch circuit. Such detectors shall be supplied by branch circuits having lighting loads consisting of lighting outlets in habitable spaces.

(3) Article 210.8(A)(1) is amended as follows:

(A) Dwelling Units.

(1) Bathrooms. All openings are to be ground fault circuit interrupter (G.F.C.I.) protected and fans and lights shall be testing lab approved for wet location.
Exceptions:

Exception to (1) Fans and lights not over a tub or shower.

Exception to (1) Fans and lights 8 feet or more above the bathtub rim or 10 feet above a shower floor.

(4) Article 210.8(B)(1) is amended as follows:

(B) Other than Dwelling Units.

(1) Bathrooms. All openings are to be ground fault circuit interrupter (G.F.C.I.) protected and fans and lights shall be testing lab approved for wet location.
Exception:

Exception to (1): Fans and lights not over a tub or shower.

Exception to (1): Fans and lights 8 feet or more above the bathtub rim or 10 feet above a shower floor.

(5) Article 210.70(A)(3) is amended as follows:

210.70 (A) (3) Storage or Equipment Spaces.

For attics, under-floor spaces, utility rooms, and basements, at least one lighting outlet containing a switch or controlled by a wall switch shall be installed ~~where these spaces are used for storage or contain equipment requiring servicing.~~ At least one point of control shall be at the usual point of entry to these spaces. ~~The~~ A lighting outlet shall be provided within six feet of any equipment requiring servicing.

(6) Article 230.50 is deleted and replaced as follows:

230.50 Protection Against Physical Damage.
Service conductors supplied from underground service laterals shall be installed in

- (1) rigid galvanized conduit
- (2) intermediate metal conduit
- (3) Schedule 80 rigid non-metallic conduit
- (4) Schedule 40 rigid non-metallic conduit covered by 2" of concrete.

Exception: Service conductors installed and owned by a utility shall not be required to be in conduit. If PVC conduit is used Schedule 80 conduit shall not be required.

(7) Article 230.50(A) is deleted and replaced as follows:

230.50(A) Service Conductors Overhead. Service conductors supplied from overhead drops shall be installed in rigid galvanized conduit, intermediate metal conduit or aluminum rigid conduit.

(8) Article 310.1(A) is added as follows:

Article 310.1(A) Mixed Use and Occupancy Building. The entire building shall be wired by the most restrictive code requirements per the occupancy classification as defined by the International Building Code. Non-metallic sheathed cable is prohibited on any surface in any finished area of a dwelling unit.

(9) Article 310.2(B) is amended as follows:

310.2(B) Conductor Material. Conductors in this article shall be of aluminum, or copper-clad aluminum, or copper unless otherwise specified. Aluminum and copper clad aluminum shall not be smaller than size #2 AWG.

(10) Article 334.10 is amended as follows:

334.10 Uses Permitted.

(Delete 1, 2, 3, and 4 and add as follows)

Type NM, type NMC and Type NMS cables shall be installed only in R2, R3 and R4 structures (as defined by the International Building Code) not exceeding three floors above grade.

(A) Type NM. Type NM cable shall be permitted as follows:

- (1) For ~~both exposed and~~ concealed work in normally dry locations.
- (2) To be installed or fished in air voids in masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness.

(B) Type NMC. Type NMC cable shall be permitted as follows:

- (1) For ~~both exposed and~~ concealed work in dry, moist, damp or corrosive locations.
- (2) In outside and inside walls of masonry block or tile.
- (3) In a shallow chase in masonry, concrete or adobe protected against nails or screws by a steel plate at least 1/16 in. (1.59mm) thick and covered with plaster, adobe or similar finish.

(C) Type NMS. Type NMS cable shall be permitted as follows:

- (1) For ~~both exposed and~~ concealed work in normally dry locations.
- (2) To be installed or fished in air voids in masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness.
- (3) To be used as permitted in Article 780.

(11) Article 514.8 Exceptions 1 and 2 are hereby deleted.

(12) Article 680.8 is deleted and replaced as follows:

680.8 Overhead Conductor Clearances. Conductors are prohibited over pools or spas and shall not be within 10 feet horizontally of a vertical plane from the inside walls of pools or spas.

The provisions and sections of the Ordinance shall be deemed severable, and the invalidity of any portion of this Ordinance shall not affect the validity of the remainder.

All orders, resolutions, or ordinances in conflict herewith are hereby repealed insofar as such conflict exists, and this Ordinance shall take effect immediately upon its passage, approval and publication as required by law.

It is hereby found that it is urgent and necessary to protect the health and safety of the public that this Ordinance be effective upon passage.

A full, true and complete copy of this Ordinance shall be published within ten (10) days after passage in pamphlet form by and under authority of the Corporate Authorities.

APPROVED:



MAYOR

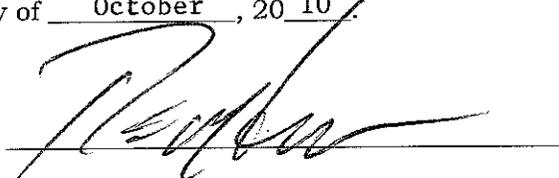
ATTESTED:



LEGAL DIRECTOR

PASSED: 10/25/10 APPROVED: 10/25/10 PUBLISHED: 10/25/10

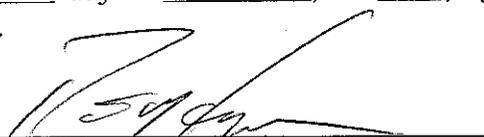
ATTESTED and FILED in my office this 25th day of October, 2010, and published in pamphlet form this 25th day of October, 2010.



Legal Director and ex officio
Keeper of the Records and Seal

Published in pamphlet form this 25th day of October, 2010, by order of the City Council of the City of Rockford, Illinois.

APPROVED BY:



Patrick Hayes, Legal Director

RECOMMENDED BY:



Jennifer Cacciapaglia, City Attorney