

ORDINANCE NO. 2004-_____

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

Chapter 6, of the Code of Ordinances of the City of Rockford, Illinois, passed November 30, 1970, approved December 2, 1970 and published December 8, 1970, as amended, be and the same is hereby amended by the following, to wit:

Article VIII Electrical Code is replaced as follows:

ARTICLE VIII. ELECTRICAL CODE

Section 6-52 Electrical Code adopted by reference

The ICC Electrical Code/2003 and the 2002 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 6-53 and 6-54 of this article.

Section 6-53 is amended as follows:

Section 6-53 Amendments to the Electrical Code:

The ICC Electrical Code/2003 and the 2002 National Electrical Code is amended as follows:

(1) Section 101.1 is amended as follows:

101.1 Title. These regulations shall be known as the *ICC Electrical Code* TM – *Administrative Provisions* of the City of Rockford, Illinois and shall be cited as such and will be referred to herein as ‘this code’.

(2) Section 202 is amended to add definitions as follows:

202
GENERAL DEFINITIONS

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.

(3) Section 301.4 is added as follows:

301.4 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 112 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.

(4) Section 401.3 is amended as follows:

401.3 Work exempt from a permit. The following work shall be exempt from the requirement for a permit:

1. Listed cord and plug connected temporary decorative lighting, provided they are not within tents requiring a permit.
2. Reinstallation of attachment plug and switch receptacles, light fixtures and ceiling fans weighing less than 35 lbs. but not the outlets therefor without changing box or wiring.
3. Repair or replacement of branch circuit overcurrent devices of the required capacity in the same location.
4. Temporary wiring for experimental purposes in suitable experimental testing laboratories.
5. Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
6. Low voltage wiring and systems not associated with fire alarm or other life safety systems (such as telephone, cable tv or computer data wiring and systems). Any wiring installed within a plenum shall be rated for such installation. Installation of junction boxes within fire rated assemblies shall be approved for such installations and comply with the *International Building Code*.
7. Replacement of lamps or connection of portable electrical equipment to approved permanently installed receptacles.
8. Repair or replacement of interior or exterior wall and ceiling coverings (such as plaster, gypsum board or paneling), 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 of the *International Building Code*.

- c. electrical wiring in a hazardous condition is 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, or
 - d. electrical systems are not being resized, rearranged or added to.
9. Ordinary repairs that do not include:
- a. cutting away of any framing within a ceiling, floor, wall, partition or portion thereof,
 - b. removal or cutting of any structural beam or load bearing support,
 - c. removal or change of any required means of egress, or rearrangement of parts of a structure affecting means of egress requirements,
 - d. addition to, alteration of, replacement or relocation of any electrical wiring or other work affecting public health or general safety.

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.

(5) Section 402.2.1 is added as follows:

402.2.1 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).

(6) Section 402.2.2 is added as follows:

402.2.2 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.

(7) Section 404.3 is deleted and replaced as follows:

404.3 Work commencing before permit issuance. When a permit is required by this code and work is started or proceeded with prior to obtaining said permit, the specified permit fees shall be doubled and not less than \$250.00. This penalty may be waived by the building official if the person in violation has not obtained a permit in the

last year and is the owner of the property. For the second offense within a twelve (12) month period, starting or proceeding with the work prior to obtaining a permit, the specified permit fees shall be doubled and not less than \$500.00 plus an additional fee of \$500.00 shall be paid for each day work continued without said permit. For the third such instance within a twelve (12) month period, the specified permit fees shall be tripled and not less than \$750.00 plus an additional fee of \$750.00 shall be paid for each day work continued without said permit. For the fourth such instance within a twelve (12) month period, the offender shall be prosecuted by the City of Rockford Legal Department as permitted by State law. The payment of such fees shall not relieve any person from complying with the requirement of this code and the execution of the work, nor from any penalties prescribed herein.

(8) Section 404.6 is added as follows:

404.6 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.

(9) Section 404.7 is added as follows:

404.7 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.

(10) Section 801.2 is amended as follows:

801.2 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 2002 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.

(11) Section 1003.1 is amended as follows:

1003.1 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.

(12) Section 1101.1 is amended as follows:

~~Board of appeals~~ **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 a board of appeals an Electrical Commission. The board of appeals Electrical Commission shall be appointed by the governing

~~body mayor,~~ with the advice and consent of the city council and hold office at its pleasure. The board 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.

(13) Section 1102.1 is amended as follows:

1102.1 Membership of board commission. The board of appeals Electrical Commission shall consist of five members appointed by the chief appointing authority mayor as follows: one for five years; one for four years; one three (3) for three (3) years; one and two (2) for two years. and one for one year. Thereafter, each new member shall serve for five years or until a successor has been appointed. 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.

(14) Section 1102.2 through 1102.4 are deleted and replaced as follows:

1102.2 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.

(15) Section 1102.3 is hereby deleted.

(16) Section 1103.1 through 1103.7 is amended as follows:

Wherever the term 'board' or 'board of appeals' is used it shall mean 'commission' or 'electrical commission'.

(17) Section 1103.6 is amended as follows:

1103.6 Decisions. The board commission shall modify or reverse the decision of the code official by a concurring vote of three a majority of members

present. Quorum of the commission shall be by three (3) voting members.

(18) Section 1103.8 is added as follows:

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.

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

(19) Section 1203.1 is amended as follows:

Section 1203.1 Existing buildings. This section shall apply to buildings and structures that are within the scope of the *International Property Maintenance Code*. Every occupied building shall be provided with an electrical system in compliance with the requirements of the *International Property Maintenance Code* Sections 1203.1 through 1203.1.5.

(20) Sections 1203.1.1 through 1203.1.5 are hereby deleted.

Section 6-54 Amendments, additions and deletions

The 2002 *National Electrical Code (NFPA 70)* adopted by reference by Sections 201.3 and 1201.1 in the 2003 *International Code Council Electrical Code* is amended as follows:

(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:

- (1) Fans and lights not over a tub or shower.
- (2) 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:

- (1) Fans and lights not over a tub or shower.
- (2) 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) Attics, Under-floor Spaces, Basements and 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 230.49 is deleted and replaced as follows:

230.49 Protection Against Physical Damage-Underground. 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. 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.

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:

APPROVED:

PUBLISHED:

ATTESTED and FILED in my office this _____ day of _____, 20____, and published in pamphlet form this _____ day of _____, 20____.

Legal Director and ex officio
Keeper of the Records and Seal

Published in pamphlet form this _____ day of _____, 20____, by order of the City Council of the City of Rockford, Illinois.