



Amendments to the:

**2009 International
Residential Code**

For Detached 1 & 2 Family Dwellings and Multiple Single-Family Dwelling (Townhouses) and their Accessory Structures

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. **2010-119-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. 2010-119-0

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 105-84 is amended as follows:

Section 105-84 Residential Code adopted by reference.

The ICC International Residential Code/2009 as published by the International Code Council including Appendix A, B, C, D, E as amended, G as amended, and H is hereby adopted as the Residential Code of the City of Rockford in the State of Illinois; and each and all of the regulations, provisions, penalties, conditions and terms of said code are hereby referred to, adopted and made a part thereof as if fully set out in the Ordinance, with the additions, insertions, deletions and amendments contained in Section 105-85 of this article.

Section 105-85 is amended as follows:

Section 105-85 Amendments to the Residential Code.

The ICC International Residential Code /2009 edition is amended as follows:

(1) Section R101.1 is amended as follows:

R101.1 Title. These regulations shall be known as the *Residential Code for One- and Two-family Dwellings of Rockford, State of Illinois*, hereinafter referred to as “this code”.

(2) Section R103.4 is added as follows:

R103.4 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.

(3) Section R105.2 is amended as follows:

R105.2 Work exempt from permit.

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

Building:

1. One-story detached *accessory structures including decks* used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed ~~200~~ 120 square feet (~~18.58~~—m²) and is not supported by another structure.
2. Number 2 is deleted.
3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the grade at bottom of footing to the grade at top of the wall, unless supporting a surcharge.
4. Water tanks supported directly upon *grade* if the capacity does not exceed 5,000 gallons (18 927 L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Sidewalks and concrete patios and driveways not more than 30 inches (762

mm) above adjacent grade and not over any basement or story below.

6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Prefabricated swimming pools that are less than 24 inches (610 mm) deep.
8. Swings and other playground equipment.
9. ~~Window a~~—Awnings supported by an exterior wall which do not project more than 54 inches (1372 mm) from the exterior wall and do not require additional support and not extending into a City of Rockford right-of-way.
10. ~~Decks not exceeding 200 square feet (18.58 m²) in area, that are not more than 30 inches (762 mm) above grade at any point, are not attached to a dwelling and do not serve the exit door required by Section R311.4.~~ Replacement of doors and windows provided the size is not changed and a fire rating is not required.
11. 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. coverings are not part of a fire rated assembly,
 - c. structural elements in a hazardous condition are not exposed.

Electrical:

1. *Listed* cord-and-plug connected temporary decorative lighting.
2. Reinstallation of attachment plug receptacles but not the outlets therefor.
3. Replacement of branch circuit overcurrent devices of the required capacity in the same location.
4. Electrical wiring, devices, *appliances*, apparatus or *equipment* operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
5. Minor repair work, including the replacement of lamps or the connection of approved portable electrical *equipment* to *approved* permanently installed receptacles.
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 buildings electrical system and be interconnected by section R317.1.1,
 - 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.
 - 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.

Gas:

- 1. Portable heating, cooking or clothes drying *appliances*.
- 2. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
- 3. Portable-fuel-cell *appliances* that are not connected to a fixed piping system and are not interconnected to a power grid.
- 4. Repair or replacement of interior or exterior wall and ceiling coverings, provided:
 - a. fuel gas systems in a hazardous condition are not exposed, or
 - b. fuel gas systems are not being resized, rearranged or extended.

Mechanical:

- 1. Portable heating *appliances*.
- 2. Portable ventilation *appliances*.
- 3. Portable cooling units.
- 4. Steam, hot- or chilled-water piping within any heating or cooling *equipment* regulated by this code.
- 5. Replacement of any minor part that does not alter approval of *equipment* or make such *equipment* unsafe.
- 6. Portable evaporative cooler.
- 7. Self contained refrigeration systems package-type equipment containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (764W) or less in which all components of the refrigeration system are located within a single enclosure without the requirement for on-site assembly or piping of any kind whatsoever.

- 8. Portable fuel cell appliances that are connected to a fixed piping system and are not interconnected to a power grid.
- 9. Self contained portable refrigeration appliances.
- 10. Repair or replacement of interior or exterior wall and ceiling coverings, provided:
 - a. Mechanical systems in a hazardous condition are not exposed, or
 - b. Mechanical systems are not being resized, rearranged or extended.

Plumbing:

The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however that it does not require the resizing or rearrangement of any defective trap or pipe. if any concealed trap, drainpipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered as new work and a permit shall be obtained and inspection made as provided in this code.

The clearing of stoppages, removal of fixtures or the repairing of leaks in pipes, valves or fixtures, ~~and the removal and reinstallation of water closets,~~ provided such repairs do not involve or require the replacement resizing or rearrangement of valves, pipes or fixtures.

The repair or replacement of fixtures, water softeners or water purifiers in the same location, provided that it does not require the resizing or rearrangement of any trap or piping.

Repair or replacement of interior or exterior wall and ceiling coverings, provided:

- a. plumbing systems in a hazardous condition are not exposed, or
- b. plumbing systems are not being resized, rearranged or extended.

(4) Section R105.2.2 is amended as follows:

R105.2.2 Repairs. Application or notice to the *building official* is not required for ordinary repairs to structures, replacement of lamps or the connection of *approved* portable electrical *equipment* to *approved* permanently installed receptacles. Such repairs shall not include the cutting away of any framing within a ceiling, floor, wall partition or portion thereof, the removal or cutting of any structural beam or load-bearing support, or the removal or change

of any required means of egress, or rearrangement of parts of a structure affecting the egress requirements; nor shall ordinary repairs include *addition* to, *alteration* of, replacement or relocation of any water supply, sewer, drainage, drain leader, gas, soil, waste, vent or similar piping, electric wiring or mechanical or other work affecting public health or general safety.

(5) Section R105.3.3 is added as follows:

R105.3.3 Application for mechanical permit.

Each application for a mechanical permit shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location, the proposed occupancy of the building(s) and other information required by the code official. The application shall be submitted by a City of Rockford mechanical license holder. In the event that more than one license holder is employed by a firm or corporation, the license holder that is submitting an application shall be listed on that application. Permits are not transferable from one license holder to another.

Exception: The owner-occupant of a single family dwelling, or owner of a single family dwelling under construction for his or her occupancy upon completion is permitted to plan, install, alter and repair the mechanical and gas piping systems of such dwelling without a license provided that required permits are obtained and such systems comply with the requirements of this code. The owner-occupant shall not employ other than a City of Rockford licensed mechanical contractor to assist him or her.

(6) Section R105.3.4 is added as follows:

R105.3.4 Application for plumbing permit.

Each application for a plumbing permit shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location, the proposed occupancy of the building(s) and other information required by the code official. The application shall be submitted by a State of Illinois plumbing license holder. In the event that more than one license holder is employed by a firm or

corporation, the license holder that is submitting an application shall be listed on that application. Permits are not transferable from one license holder to another.

Exception: The owner-occupant of a single family dwelling, or owner of a single family dwelling under construction for his or her occupancy upon completion is permitted to plan, install, alter and repair the plumbing systems of such dwelling without a license provided that required permits are obtained and such systems comply with the requirements of the *Illinois Plumbing Code*. The owner-occupant shall not employ other than a State of Illinois licensed plumber to assist him or her.

(7) Section R105.3.5 is added as follows:

R105.3.5 Application for electrical permit.

Each application for an electrical permit shall be filed with the code official on a form furnished for that purpose and shall contain a general description of the proposed work and its location, the proposed occupancy of the building(s) and other information required by the code official. The application shall be submitted by a City of Rockford registered electrician. In the event that more than one registered electrician is employed by a firm or corporation, the registered electrician that is submitting an application shall be listed on that application. Permits are not transferable from one registered electrician to another.

Exception: The owner-occupant of a single family dwelling, or owner of a single family dwelling under construction for his or her occupancy upon completion is permitted to plan, install, alter and repair the electrical systems of such dwelling without a license provided that required permits are obtained and 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.

(8) Section R105.7 is amended as follows:

R105.7 Placement of Permit. The permit holder shall post the building permit or copy thereof shall be kept in accordance with the building official's

instructions on the site of the work in a conspicuous location at all times until the completion of the project and all final inspections have been made and work approved. The building official is authorized to impose a re-inspection fee when the permit is not posted. No inspection of any kind will be performed unless a building permit for the address in question is posted and visible to the inspector.

(9) Section R106.1 is amended as follows:

R106.1 Submittal documents. Submittal documents consisting of *construction documents*, and other data ~~shall~~ may be submitted required in two or more sets with each application for a *permit*. **The construction documents** shall be prepared by a ~~registered~~ licensed design professional where required by the statutes of the *jurisdiction* in which the project is to be constructed. Where special conditions exist, the *building official* is authorized to require additional *construction documents* to be prepared by a ~~registered~~ licensed design professional.

Exception: The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a ~~registered~~ licensed design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.

(10) Section R106.3 is amended as follows:

R106.3 Examination of documents. The *building official* ~~shall~~ may make examine or cause to be examined *construction documents* for code compliance. When construction documents are submitted for review, the requirements of Sections R106.3.1 through R106.5 shall apply to these documents. The absence of construction documents does not invalidate the application of any section in this code.

(11) Section R108.2 is deleted and replaced as follows:

R108.2 Fee Schedule. The fees for work shall be as set forth in the Fee Schedule of the City of Rockford Code of Ordinances. No permit can be issued for any person, company or contractor until any outstanding permit fines/fees have been paid in full.

(12) Section R108.5 is deleted and replaced as follows.

R108.5 Refunds. No permit fees shall be refunded.

(13) Section R108.6 is deleted and replaced as follows:

R108.6 Work commencing before permit issuance. When a permit is required by this code, and work is started or proceeded prior to permit issuance, fees shall be in accordance with the Fee Schedule of the City of Rockford Code of Ordinance. No permit can be issued for any person, company or contractor until any outstanding permit fines/fees have been paid in full.

(14) R109.1 is amended as follows:

R109.1 Type of inspections. For on-site construction, from time to time the *building official*, upon notification from the *permit* holder or his agent, ~~shall~~ may make or cause to be made any necessary inspections and shall either approve that portion of the construction as completed or shall notify the permit holder or his or her agent wherein the same fails to comply with this code. Where the phrase “shall me made” or “shall require” is used in Sections 109.1.1, 109.1.2, 109.1.3, 109.1.4, 109.1.5 and 109.1.6 it shall mean “may be made” or “may be required”.

(15) R109.1.4 is amended as follows:

R109.1.4 Frame and masonry inspection. Inspection of framing and masonry construction ~~shall~~ may be made after the roof, masonry, all framing, firestopping, draftstopping and bracing are in place and after the plumbing, mechanical and electrical rough inspections are *approved and prior to covering or concealment of any of the aforementioned.*

(16) Section R112. 1 is amended as follows:

R112.1 General. In order to hear and decide appeals of orders, decisions or determinations made by the *building official* relative to the application and interpretation of this code, there shall be and is hereby created a board~~s~~ of appeals. The *building official* shall be an ex officio member of said board~~s~~ but shall have no vote on any matter before the board. The board of appeals shall be appointed by the governing body and shall hold

office at its pleasure. The board shall adopt rules of procedure for conducting its business, and shall render all decisions and findings in writing to the appellant with a duplicate copy to the *building official*.

(17) Section R112.1.1 is added as follows:

R112.1.1 Building Board of appeals. The building board of appeals shall be in accordance with section 113 and appendix B of the *International Building Code* as amended.

(18) Section R112.1.2 is added as follows:

R112.1.2 Mechanical Board. The mechanical board shall be in accordance with section 109 of the *International Mechanical Code* as amended.

(19) Section R112.1.3 is added as follows:

R112.1.3 Electrical Commission. The electrical commission shall be in accordance with Appendix K of the *International Building Code*.

(20) Sections R112.2.1 through R112.4 are deleted without substitution.

(21) Section R113.4 is amended as follows:

R113.4 Violation penalties. Any person who violates a provision of this code or fails to comply with any of the requirements thereof or erects, constructs, alters or repairs a building or structure, mechanical systems, plumbing systems or electrical systems in violation of the approved construction documents or directive of the building code official, or a permit or certificate issued under the provisions of this code, shall be subject to penalties as prescribed by law and punishable by a fine of not less than \$50.00 and not more than \$750.00. Each day of violation continues after due

notice has been served shall be deemed a separate offense.

(22) Section R114.2 is amended as follows:

R114.2 Unlawful continuance. Any person who shall continue work on any building or structure, mechanical system, plumbing system or electrical system after having been served with a stop work order, except such work as that person is directed to perform or remove a violation or unsafe condition, shall be ~~subject to penalties as prescribed by law~~ liable for a fine of not more than \$750.00.

(23) Section R202 is amended as follows:

Replace “Manufactured Home” with **MANUFACTURED, MOBILE, MODULAR HOMES AND UNITS.** See Appendix E.

Add:

OCCUPANCY. Room or enclosed space designed for human occupancy in which occupants congregate for amusement, education or similar purposes or are engaged at labor.

Amend:

FIRE SEPARATION DISTANCE. The distance measured

from the building face to one of the following:

1. To the closest interior *lot line*; or
2. To the centerline of a street, an alley or public way; or
- ~~3. To an imaginary line between two buildings on the lot.~~

(24) Table R301.2 (1) shall read as follows:

**TABLE R301.2 (1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

GROUND SNOW LOAD (pounds per square foot)	WIND SPEED (mph)	SEISMIC DESIGN CATEGORY ^g	SUBJECT TO DAMAGE FROM				Winter Design Temp ^f	Ice Shield Underlayment Required ⁱ	Flood Hazards	Air Freezing Index ^j	Mean Annual Temp ^k
			Weathering ^a	Frost Line Depth ^b	Termite ^c	Decay ^d					
30	90	A/B	SEVERE	MODERATE TO HEAVY 42"	SLIGHT TO MODERATE	-4 degF	NO	June 18, 1979 Ord. June 12, 1982 Ord. Map			

For SI: 1 pound per square foot = 0.0479 kPa, 1 mile per hour = 0.447 m/s.

- a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index (i.e., "negligible," "moderate" or "severe") for concrete as determined from the Weathering Probability Map [Figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652.
- b. The frost line depth may require deeper footings than indicated in Figure R403.1(l). The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.
- c. The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.
- d. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [Figure R30 1.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- e. The outdoor design dry-bulb temperature shall be selected from the columns of 97-1/2 -percent values for winter from Appendix D of the *International Plumbing Code*. Deviations from the Appendix D temperatures shall be permitted to reflect local climates or local weather experience as determined by the building official.
- f. The jurisdiction shall fill in this part of the table with the seismic design category determined from Section R301.2.2.1. I
- g. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the Flood Insurance Study and (c) the panel numbers and dates of all currently effective FIRMs and FBFMs or other flood hazard map adopted by the authority having jurisdiction, as amended.
- h. In accordance with Sections R905.2.7.1, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."
- i. The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index (BF-days) from Figure R403.3(2) or from the 100-year (99%) value on the National Climatic Data Center data table "Air Freezing Index- USA Method (Base 32°)" at www.ncdc.noaa.gov/fpsf.html.
- j. The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)" at www.ncdc.noaa.gov/fpsf.html.
- k. In accordance with Section R30 1.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.

(25) Table R301.6 is amended as follows:

TABLE R301.6
MINIMUM ROOF LIVE LOADS IN POUNDS-FORCE
PER SQUARE FOOT OF HORIZONTAL PROJECTION

ROOF SLOPE	TRIBUTARY LOADED AREA IN SQUARE FEET FOR ANY STRUCTURAL MEMBER		
	0 to 200	210 to 600	Over 600
Flat or rise less than 4 inches per foot (1:3)	20 <u>24</u>	16 <u>20</u>	12 <u>16</u>
Rise 4 inches per foot (1:3) to less than 12 inches per foot (1:1)	16	14	12
Rise 12 inches per foot (1:1) and greater	12	12	12

(26) R302.1.1 is added as follows:

R302.1.1 Accessory Structure Exterior Walls. Detached accessory structures must be located at a minimum of 2'-6" from any other structure primarily for the purpose of maintenance of the exterior walls.

(27) R302.2 is amended as follows:

R302.2 Townhouses. Each *townhouse* shall be considered a separate building and shall be separated by fire-resistance-rated wall assemblies meeting the requirements of Section R302.1 for exterior walls.

Exception: A common 1-2 hour fire-resistance-rated wall assembly or a 1 hour fire-resistance rated wall assembly in buildings equipped throughout with an automatic sprinkler system installed in accordance with NFPA13, tested in accordance with ASTM E 119 or UL 263 is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Electrical installations shall be installed in accordance with Chapters 34 through 43. Penetrations of electrical outlet boxes shall be in accordance with Section R302.4.

(28) Amend Table 302.1 to read the following:

MINIMUM FIRE-RESISTANCE RATING

1 hour or 2 hour-tested in accordance with ASTM E 119 or UL 263 with exposure from both sides

(29) Amend R302.2.4 as follows:

R302.2.4 Structural independence. Each individual *townhouse* shall be structurally independent.

Exceptions:

1. Foundations supporting *exterior walls* or common walls.
2. Structural roof and wall sheathing from each unit may fasten to the common wall framing.
3. Nonstructural wall and roof coverings.
4. Flashing at termination of roof covering over common wall.
5. *Townhouses* separated by a common 1-2 hour fire-resistance rated wall, or 1 hour fire-resistance rated wall if the building is equipped throughout with an automatic sprinkler system installed in accordance with NFPA13, as provided in Section R302.2.

(30) Section R302.5.1 is amended as follows:

R302.5.1 Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8 inches (35 mm) in thickness, solid or honeycomb core steel doors not less than 1 3/8 ~~4~~ 5 inches (35 45 mm) thick, or 20-minute fire-rated doors.

(31) Section R303.1 is amended as follows:

R303.1 Habitable rooms. All habitable rooms shall have an aggregate glazing area of not less than 8 percent of the floor area of such rooms. Natural *ventilation* shall be through windows, doors, louvers or other *approved* openings to the outdoor air. Such openings shall be provided with ready access or shall otherwise be readily controllable by the building occupants.

The minimum openable area to the outdoors shall be 4 percent of the floor area being ventilated. Refer to Section G2407 for mandatory mechanical air supply system make-up air, dilution air and ventilation air must be provided by the buildings mechanical air supply system. The system shall supply an adequate supply of ventilation, dilution and make-up air.

(32) Section R303.2 is amended as follows:

R303.2 Adjoining rooms. When rooms are open without obstruction into adjoining rooms, the required window openings to the outer air shall be based on the combined floor area of the room and adjoining room. For the purpose of determining light and *ventilation* requirements, any room shall be considered as the portion of an adjoining room when at least one-half of the area of the common wall is open and unobstructed and provides an opening of not less than one-tenth of the floor area of the interior room but not less than ~~25~~ 17 square feet (~~2.32~~ 1.55 m²).

(33) Section R303.6 is amended as follows:

R303.6 Stairway illumination. All interior and exterior stairways with three or more risers shall be provided with a means to illuminate the stairs, including the landings and treads. Interior stairways with three or more risers shall be provided with an artificial light source located in the immediate vicinity of each landing of the stairway. For interior stairs the artificial light sources shall be capable of illuminating treads and landings to levels not less than 1 foot-candle (11 lux) measured at the center of treads and landings. Exterior stairways with three or more risers shall be provided with an artificial light source located in the immediate vicinity of the top landing of the stairway. Exterior stairways with three or more risers providing access to a basement from the outside grade level shall be provided with an

artificial light source located in the immediate vicinity of the bottom landing of the stairway.

Exception:

1. An artificial light source is not required at the top and bottom landing, provided an artificial light source is located directly over each stairway section.
2. Exterior stairs which do not serve as part of the exit required by Section R311.

(34) Section R303.6.1 is amended as follows:

R303.6.1 Light activation. Where lighting outlets are installed in interior stairways, there shall be a wall switch at each floor level to control the lighting outlet where the stairway has six or more risers. The illumination of exterior stairways shall be controlled from inside at the point of exit to the stair from the dwelling unit.

Exception: Lights that are continuously illuminated or automatically controlled.

(35) Section R309.3.1 is amended to read as follows:

R309.1 Floor surface. Garage floor surfaces shall be of *approved* noncombustible material.

The area of floor used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway. When the garage floor is at the same elevation as the door sill into the dwelling unit, the door width shall be a 32" clear opening.

(36) Section R310.1 is amended as follows:

R310.1 Emergency escape and rescue required. *Basements*, habitable attics and every sleeping room shall have at least one operable emergency escape and rescue opening. Where *basements* contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room. Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches (1118 mm) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the

bulkhead enclosure shall comply with Section R 310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a *yard* or court that opens to a public way.

Exception:

1. *Basements* used only to house mechanical *equipment* and not exceeding total floor area of 200 square feet (18.58 m²).
2. Buildings equipped throughout with an automatic fire sprinkler system in accordance with NFPA 13, 13R or 13D.

(37) Section R311.2 is amended as follows:

R311.2 Egress door. At least one egress door shall be provided for each *dwelling* unit. The egress door shall be side-hinged, and shall provide a minimum clear width of 32 inches (813 mm) when measured between the face of the door and the stop, with the door open 90 degrees (1.57 rad). The minimum clear height of the door opening shall not be less than 78 inches (1981 mm) in height measured from the top of the threshold to the bottom of the stop. ~~All other doors shall not be required to comply with these minimum dimensions except closet doors shall not be less than 2 feet, 4 inches in width and 78" in height".~~ Egress doors shall be readily openable from inside the *dwelling* without the use of a key or special knowledge or effort.

(38) Section R311.3 is amended as follows:

R311.3 Floors and landings at exterior doors. There shall be a landing or floor on each side of ~~each exterior door~~ the primary means of egress. The width of each landing shall not be less than the door served. Every landing shall have a minimum dimension of 36 inches (914 mm) measured in the direction of travel. Exterior landings shall be permitted to have a slope not to exceed 1/4 unit vertical in 12 units horizontal (2-percent).

Exception:

1. Exterior balconies less than 60 square feet (5.6 m²) and only accessible from a door

are permitted to have a landing less than 36 inches (914 mm) measured in the direction of travel.

2. Where a stairway of 2 or fewer risers is located on the exterior side of a door, other than the required means of egress, a landing is not required for the exterior side of the door.
3. A floor or landing is not required on the exterior side of a door, other than the required means of egress, provided the door is permanently rendered inoperable.

(39) Section R311.7.4.1 is amended as follows:

R311.7.4.1 Riser height. The maximum riser height shall be 7-3/4 inches (196 mm). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Treads and risers shall be so proportioned that the sum of two risers plus one tread is not less than 24 inches and not more than 26 inches. The proportionality rule as stated only applies to required means of egress stairs.

(40) Section R311.7.4.2 is amended as follows:

R311.7.4.2 Tread depth. The minimum tread depth shall be 10 inches (254 mm). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. Treads and risers shall be so proportioned that the sum of two risers plus one tread is not less than 24 inches and not more than 26 inches. The proportionality rule as stated only applies to required means of egress stairs. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm). Consistently shaped winders at the walkline shall be allowed within the same flight of stairs as rectangular treads and do not have to be within 3/8 inch (9.5 mm) of the rectangular tread depth.

Winder treads shall have a minimum tread depth of 10 inches (254 mm) measured between the vertical planes of the foremost projection of

adjacent treads at the intersections with the walkline. ~~Winder treads shall have a minimum tread depth of 6 inches (152 mm) at any point within the clear width of the stair.~~ Within any flight of stairs, the largest winder tread depth at the walkline shall not exceed the smallest winder tread by more than 3/8 inch (9.5 mm).

(41) Section R311.7.4.3 is amended by adding exception #3 as follows:

Exception:

3. Open risers on exterior stairs shall not permit the passage of a 6-inch diameter sphere.

(42) Section R311.7.7.1 is amended as follows:

R311.7.7.1 Height. Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than ~~34~~ 30 inches (~~864 mm~~) and not more than 38 inches (965 mm).

Exceptions:

1. The use of a volute, turnout or starting easing shall be allowed over the lowest tread.
2. When handrail fittings or bendings are used to provide continuous transition between flights, the transition from handrail to guardrail, or used at the start of a flight, the handrail height at the fittings or bendings shall be permitted to exceed the maximum height.

(43) Section R313.1 is amended as follows:

R313.1 Townhouse automatic fire sprinkler systems. An automatic residential fire sprinkler system shall be installed in townhouses effective January 1, 2015.

Exception:

An automatic residential fire sprinkler system shall not be required when *additions* or *alterations* are made to existing *townhouses* that do not have an automatic residential fire sprinkler system installed.

(44) R313.1.1 is amended as follows:

R313.1.1 Design and installation. Automatic residential fire sprinkler systems for *townhouses* shall be designed and installed in accordance with ~~Section P2904~~ the current NFPA 13 Standard.

(45) Section R313.2 is amended as follows:

R313.2 One- and two-family dwellings automatic fire systems. Effective January 1, ~~2011~~ 2015, an automatic residential fire sprinkler system shall be installed in one- and two- family *dwellings*.

(46) Section R314.3.1 is amended as follows:

R314.3.1 Alterations, repairs and additions.

When *alterations*, ~~repairs~~ or *additions* requiring a *permit* occur, or when one or more sleeping rooms are added or created in existing *dwellings*, the ~~individual dwelling unit areas~~ having significant portions of the walls exposed and sleeping rooms added or created shall be equipped with smoke alarms located as required for new *dwellings*. These smoke alarms shall be interconnected and hard wired to A/C power with battery backup.

At a minimum, smoke alarms shall be installed throughout every dwelling as required by Illinois State Statue [1 alarm per floor and one alarm within 15' of sleeping rooms with battery or A/C power, without requirement for A/C power or interconnection unless alteration requiring a permit includes removal of finishes to make it possible.

Exceptions:

1. Work involving the exterior surfaces of *dwellings*, such as the replacement of roofing or siding, or the *addition* or replacement of windows or doors, or the *addition* of a porch or deck, are exempt from the requirements of this section.
2. Installation, *alteration* or repairs of plumbing or mechanical systems are exempt from the requirements of this section.
3. Smoke alarms in existing areas shall not be required to be interconnected or hard wired to A/C power where the alterations or repairs do not result in the removal of wall or ceiling finishes exposing the

structure between alarms and A/C power source and/or other alarms

(47) Section R314.4 is amended as follows:

R314.4 Power source. Smoke alarms shall receive their primary power from the building wiring when such wiring is served from a commercial source, and when primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection. Smoke alarms shall be interconnected. Smoke detectors 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.

Exceptions:

1. Smoke alarms shall be permitted to be battery operated when installed in buildings without commercial power.
2. Interconnection and hard-wiring of smoke alarms in existing areas shall not be required where the *alterations* or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an *attic*, crawl space or *basement* available which could provide access for hard wiring and interconnection without the removal of interior finishes.

(48) Section R315.4 is added as follows:

Section R315.4 Alarm Locations. For the purposes of this Section, at a minimum, carbon monoxide alarms shall be installed throughout every dwelling as required by State of Illinois Carbon Monoxide Alarm Detector Act, 430 ILCS 135/135-1/2, and in accordance with the following:

1. Within 15 feet of every room used for sleeping purposes. The carbon monoxide alarm can be combined with smoke detecting devices provided that the combined unit complies with the respective provisions of the administrative code, reference standards, and departmental rules relating to both smoke detecting devices and carbon monoxide alarms and provided that the combined unit emits an alarm in a manner that clearly differentiates the hazard.

2. Every structure that contains more than one dwelling unit shall contain at least one approved carbon monoxide alarm in operating condition within 15 feet of every room used for sleeping purposes.
3. The carbon monoxide alarms required under this Act may be either battery powered, plug-in with battery back-up, or wired into the structure's AC power line with secondary battery back-up.
4. For new construction, carbon monoxide detectors shall receive their power from the primary building source.

(49) Section R319.1 is deleted and replaced as follows:

R319.1 Premises identification. Buildings shall have ~~approved~~ City of Rockford assigned address numbers, building numbers, or ~~approved~~ building identification placed in a position that is plainly legible and visible from the street or road ~~fronting the property to which the building is addressed.~~ These numbers shall contrast with their background. Address numbers shall be Arabic numerals or English alphabet letters. Numbers shall be a minimum of 4 ~~3-~~inches (102 ~~77~~ mm) high ~~with a minimum stroke width of 0.5 inch (12.7 mm)~~ Where access is by means of a private road and the building cannot be viewed from the ~~public way, a monument, pole or other sign or means shall be used to identify the structure when less than 100 feet from the street. When over 100 feet and less than 200 feet from the street, the numbers shall be 5 inches (128 mm) high. When over 200 feet from the street, the numbers shall be 7 inches (179 mm) high. Wherever the primary entry doors are visible from the address street, the numbers shall be displayed above, on or adjacent to the primary entry doors. Numbers shall be displayed where they remain visible at all times. Where a building is more than 500 feet from the street, displaying additional numbers on a building identification sign or other approved location near and viewable from the street is encouraged.~~

(50) Section 322.1.5 amended to read as follows:

R322.1.5 Lowest floor. The lowest floor shall be the floor of the lowest enclosed area, including basement, ~~but excluding any unfinished flood-resistant enclosure that is useable solely for vehicle parking, building access of limited storage provided that such enclosure is not built so as to~~

~~render the building or structure in violation of this section.~~

(51) Section R323.2.1 (1 and 4) amended to read as follows:

R322.2.1 Elevation requirements.

1. Buildings and structures in flood hazard areas not designated as Coastal A Zones shall have the lowest floors elevated ~~to or~~ 12" above the design flood elevation.

4. Basement floors that are below *grade* on all sides shall be elevated ~~to or~~ 12" above the design flood elevation.

~~**Exception:** Enclosed areas below the design flood elevation, including basements whose floors are not below grade on all sides, shall meet the requirements of Section R322.2.2.~~

(52) Section R322.2.2 is deleted in its entirety

(53) Section R403.3.5 is added as follows:

R403.3.5 Detached garages or sheds. The code official may approve a continuous slab on ground foundations which are located where adequate subsoil drainage frost protection is provided and the following conditions are met:

1. Structure is non-occupiable, unconditioned, detached, of Use Groups S or U, does not contain any masonry and does not exceed (1) one story or 25 feet (7620 mm) in height.
2. Slab/foundation may not bear on peats, organic or other questionable soils.
3. Slab thickness is not less than 4" with a minimum of 6" x 6" 10#/10# WWF reinforcing.
4. The perimeter of the slab turns down to a minimum of 12" below grade and is reinforced with a minimum of 1 continuous [minimum 12" tied laps] #4 steel reinforcing bar.
5. A minimum of 4 inches of screened and washed gravel or crushed stone under entire slab. The grade surrounding the building shall fall a minimum of 6" within the first 10'.

(54) Section R407.4 is added as follows:

R407.4. Footing sized for girder support columns: The minimum footing sizes for girder

support columns shall be as set forth in Table 502.5 (3)

(55) Section R502.5 is amended as follows:

R502.5 Allowable girder spans. The allowable spans of girders fabricated of dimension lumber shall not exceed the values set forth in Tables R502.5(1) and R 502.5(2) and Table 502.5 (3).

(56) Table R502.5(3) is added as follows:

PLEASE SEE NEXT PAGE for TABLE

(57) Section R 502.2.2.3 Deck lateral load connection.

R502.2.2.3 Deck lateral load connection. The lateral load connection required by Section R502.2.2 shall be permitted to be in accordance with Figure R502.2.2.3 or other approved devices as reviewed and approved by the code official. Hold-down tension devices shall be installed in not less than two locations per deck, and each device shall have an allowable stress design capacity of not less than 1500 pounds (6672 N).

(58) Section R1005.1 is amended as follows:

R1005.1 Listing and clearances. Factory-built chimneys shall be *listed* and *labeled* and shall be installed and terminated in accordance with the manufacturer's installation instruction. Where, upon inspection, listing specifications are not present or visible, combustible materials within 18 inches of the chimney shall be protected with 5/8" Type X gypsum board or equivalent.

(59) Section N1101.2 is amended as follows:

N1101.2 Compliance. Compliance shall be demonstrated by ~~either~~ meeting the requirements of the *International Energy Conservation Code as mandated by the State of Illinois.* ~~or meeting the requirements of this chapter. Climate zones from Figure N110 1.2 or Table N110 1.2 shall be used in determining the applicable requirements from this chapter.~~

(60) Section N1101.2.1 through N1104.1 are hereby deleted.

TABLE R502.5(3)

WIDTH OF STRUCTURE (feet)	GIRDER SIZE (inches)	ONE STORY		TWO STORY		THREE STORY	
		Maximum Span (feet-inches)	Footing Size (inches)	Maximum Span (feet-inches)	Footing Size (inches)	Maximum Span (feet-inches)	Footing Size (inches)
24	3-2 X 8	6-7	17 X 17*	4-11	20 X 20	4-1	22 X 22
	4-2 X 8	7-8	19 X 19*	5-8	21 X 21	4-9	24 X 24
	3-2 X 10	8-5	20 X 20*	6-3	23 X 23	5-3	25 X 25
	4-2 X 10	9-9	21 X 21	7-3	24 X 24	6-1	27 X 27
	3-2 X 12	10-3	22 X 22	7-8	25 X 25	6-4	27 X 27
	4-2 X 12	11-10	23 X 23	8-10	27 X 27	7-4	29 X 29
26	3-2 X 8	6-4	17 X 17*	4-9	20 X 20	3-11	22 X 22
	4-2 X 8	7-4	18 X 18*	5-6	22 X 22	4-7	24 X 24
	3-2 X 10	8-1	19 X 19	6-1	23 X 23	5-0	25 X 25
	4-2 X 10	9-4	21 X 21	7-0	24 X 24	5-10	27 X 27
	3-2 X 12	9-10	21 X 21	7-4	25 X 25	6-1	28 X 28
	4-2 X 12	11-5	23 X 23	8-6	27 X 27	7-1	30 X 30
28	3-2 X 8	6-2	17 X 17*	4-7	21 X 21	3-10	23 X 23
	4-2 X 8	7-1	18 X 18*	5-3	22 X 22	4-5	24 X 24
	3-2 X 10	7-10	19 X 19	5-10	23 X 23	4-10	26 X 26
	4-2 X 10	9-0	20 X 20	6-9	25 X 25	5-7	28 X 28
	3-2 X 12	9-6	21 X 21	7-1	26 X 26	5-11	28 X 28
	4-2 X 12	11-0	22 X 22	8-2	28 X 28	6-10	30 X 30
32	3-2 X 8	5-9	16 X 16*	4-3	21 X 21	3-7	24 X 24
	4-2 X 8	6-7	17 X 17	4-11	23 X 23	4-1	25 X 25
	3-2 X 10	7-4	18 X 18	5-5	24 X 24	4-6	27 X 27
	4-2 X 10	8-5	20 X 20	6-3	26 X 26	5-3	28 X 28
	3-2 X 12	8-11	20 X 20	6-8	27 X 27	5-6	28 X 28
	4-2 X 12	10-3	22 X 22	7-8	29 X 29	6-4	31 X 31

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 psf = 0.0479 kN/m², 1 psi = 6.895 kPa.

NOTES:

1. Values shown are for a clear-span trussed roof, a load-bearing center wall on the first floor in 2-story construction, and a load-bearing center wall on the first and second floors in 3-story construction.
2. Spans based on allowable bending momentum $F_b = 1,000$ pounds per square inch (psi) for repetitive members. See Table 502.3.1c.
3. Footing size based on 2,000 psf soil-bearing capacity; footing thickness shall be one-half (minimum) the width of the footing.
4. 4 X 4 posts may be used at these (*) locations. 6 X 6 posts or 3-inch-diameter steel columns acceptable in all locations. with bearing plates of equivalent area are

(61) Section M1201.2 is amended as follows:

M1201.2 Application. In addition to the general administration requirements of Chapter 1, the administrative provisions of this chapter shall also apply, to the mechanical requirements of Chapters 13 through 24 and City of Rockford amendments to the International Mechanical Code.

(62) Section M1202.4 is added as follows:

M1202.4 Existing mechanical systems. All existing mechanical systems shall comply with the 2009 ICC National Property Maintenance code as amended.

(63) Section M1203 is added as follows:

**SECTION 1203
SPECIAL PROVISIONS**

M1203.1 Modular Homes. All new installations and equipment shall comply with all requirements and conform with all codes adopted by the City of Rockford.

(64) Section M1203.2 is added as follows:

M1203.2 Where heating is required. Heat shall be supplied to all rooms (including bathrooms) except unoccupied storage or other unoccupied spaces.

(65) Section M1301.2 is added as follows:

M1301.2 Licenses: Mechanical licenses and permits shall be obtained in accordance with Chapter 1 of the 2009 ICC International Mechanical Code as amended.

(66) Section M1401.6 is added as follows:

M1401.6 Furnace cement or welding. The use of furnace cement or welding for the repair of furnace heat exchangers is prohibited.

(67) Section M1407.1.1 is added as follows:

M1407.1.1 Electric duct heaters. An approved automatic reset air outlet temperature-limit control that will limit the outlet air temperature to not more than 200 degrees F shall be provided on all electric duct heaters. The electric elements of the

heater shall be equipped with fusible links or a manual reset temperature-limit control that will prevent air temperature in the immediate vicinity of the heating elements from exceeding 250 degrees F.

(68) Section M1408 is deleted in its entirety.

(69) Section M1601.1.1, #8 and #9 are added as follows:

8. Flexible air ducts shall be limited in length to 8 feet (4267 mm) overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air ducts shall be of the insulated type. Flexible ducts shall only be used for branches.
9. Flexible air connectors shall be limited in length to 8 feet (4267 mm) overall from termination point and contain no more than the equivalent of one 90 degree turn with no offset greater than 45 degrees. All flexible air connectors shall be of the insulated type. Flexible ducts shall only be used for branches.

(70) Section M1602.2, #4 is added as follows:

4. A closet, bathroom, toilet room, kitchen, garage, mechanical room, boiler room, furnace room, unconditioned attic or other dwelling unit. Return air shall be taken from all spaces including rooms within manufactured or modular homes.

(71) Section M1804.4 is added as follows:

M1804.4 Labeling. Every fuel-burning appliance utilizing a vent material other than metal shall be marked/labeled every 36 inches so as to distinguish it from plumbing piping.

(72) Section M2002.6 added as follows:

M2002.6 Multiple boiler installation. Where the operating temperature actuated control may be installed in a header of other point common to all boilers, and can be isolated from any and all of the boilers, there shall be at least one high-limit-temperature-actuated combustion control mounted on each boiler.

(73) Section M2007 is added as follows:

SECTION M2007
FLOW SENSING DEVICE

M2007.1 Scope. A coil-type boiler or a water tube boiler with heat input greater than 400,000 BTUH requiring forced circulation to prevent overheating of the coils or tubes shall have a flow-sensing device installed in the outlet piping in addition the low-water fuel cutoff required above to automatically cut off the fuel supply when the circulating flow is interrupted.

(74) Section G2413.1.1 is added as follows:

G2413.1.1 (403.1.1) Welded connections required. All natural gas lines two and one half inches (2 1/2") inside diameter size or larger shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any natural gas burning unit. All gas fuel lines carrying natural gas at one (1) P.S.I.G. or greater, shall be of welded construction between the consumer's connection to the gas meter and the shut-off valve located immediately adjacent to any natural gas burning unit. For a service valve within 24" of the regulator, no more than three screwed connections are allowed.

Exception: Alternate material of equivalent rating; such application tested and certified by an approved agency and as approved by the Code Official and the Mechanical Board of Appeals.

(75) Section G2415.10 (404.10) is amended as follows:

G2415.10 (404.10) Minimum burial depth. Underground piping systems shall be installed a minimum depth of ~~12 inches(305 mm)~~ 24 inches below grade and six inches below any electrical or cable system in the same trench, except as provided for in Section 404.10.1.

(76) Section G2427.5.4 (503.5.5) is amended as follows:

G2427.5.4 (503.5.5) Size of chimneys.

3. For sizing a chimney venting system connected to two appliances with draft hoods, the effective area of the chimney flue shall ~~be not be greater than two sizes over the effective area required for the remaining appliances. not less than the area of the larger draft hood outlet plus 50 percent of the area of the smaller draft hood outlet, nor greater than seven times the smallest draft hood outlet area.~~

(77) Section G2445 (621) is deleted and replaced by the following:

SECTION G2445 (621)
UNVENTED ROOM HEATERS

G2445.1 General. Unvented room heaters and/or fireplaces are prohibited.

(78) Section G2447.3 (622.3) **Domestic appliances** is hereby deleted in its entirety.

(79) Section P2601.1 is amended as follows:

P2601.1 Scope. The provisions of this Chapter and the Illinois State Plumbing Code including local amendments shall govern the installation of plumbing not specifically covered in other chapters applicable to plumbing systems. All work shall be performed by State of Illinois licensed plumbers in accordance with the Plumbing License Act, and shall be bonded with the City of Rockford.

(80) Section E3401.2 is amended as follows:

E3401.2 Scope. Chapters 34 through 43 shall cover the installation of electrical systems, equipment and components indoors and outdoors that are within the scope of this code, including services, power distribution systems, fixtures, appliances, devices and appurtenances. Services within the scope of this code shall be limited to 120/240-volt, 0- to 400 ampere, single phase systems. These chapters specifically cover the equipment, fixtures, appliances, wiring methods and materials that are most commonly used in the construction or alteration of one- and two-family dwellings and accessory structures regulated by this code. The omission from these chapters of any material or method of construction provided for in the referenced standard NFPA 70 shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment or components not specifically covered in these chapters shall comply with the applicable provisions of the NFPA 70 as amended and adopted by the City of Rockford.

(81) Section 3401.5.1 is added as follows:

SECTION E3401.5
REGISTRATION AND PERMITS

(82) Section E3401.5 is added as follows:

E3401.5.1 Registration. Electricians shall be registered sections 405.1 and 405.2 of the *ICC Electrical Code* as amended.

(83) Section E3401.5 is added as follows:

E3401.5.2 Registration and permits. Electrical registrations and permits shall be obtained in accordance with Section 6-55 through 59 of the *City of Rockford Code of Ordinances.*

(84) Section E3301.6 is added as follows:

E3401.6 Existing electrical systems. All existing electrical systems shall comply with *International Property Maintenance Code* as amended.

(85) Section E3404.2 is added as follows:

E3404.2 Available short circuit current form. The code official has the authority to require the applicant to complete an available short circuit current (ASSC) form before a permit is issued for an electrical service. The ASSC, if required, will be kept on file with the City of Rockford Building Department.

(86) Section E3406.2 is amended as follows:

E3406.2 Conductor material. Conductors used to conduct current shall be of copper ~~except as otherwise provided in Chapters 34 through 43 or~~ aluminum size #2 or larger. Where the conductor material is not specified, the material and the sizes given in these chapters shall apply to copper conductors. Where other materials are used, the conductor sizes shall be changed accordingly.

(87) Section E3501 is amended to add the following:

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.

(88) Section E3601.8 is added as follows:

E3601.8 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 this code. Such temporary use permits are subject to discontinuance and complete revocation upon expiration, and to condemnation and revocation at any time during use.

(89) Section 3605.5 is deleted and replaced as follows:

E3605.5 Service conductors. Service conductors supplied from overhead drops shall be installed in rigid galvanized conduit, intermediate metal conduit, or aluminum conduit.

(90) Section E3702.5.1 is added as follows:

E3702.5.1 Smoke detector circuits. Smoke detectors required by this code 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.

(91) Section E3801.2 is added as follows:

E3801.2 Non-metallic sheathed cable. Non-metallic sheathed cable shall be permitted to be installed in structures not exceeding three floors above grade.

(a) Type NM. Type NM cable shall be permitted for both exposed and concealed work in normally dry locations. It shall be permissible to install or fish Type NM cable 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 inch (1.59 mm) thick, and covered with plaster, adobe, or similar finish.

(c) Type NMS. Type NMS cable shall be permitted for both exposed and concealed work in normally dry locations. It shall be permissible to install or fish type NMS cable in air voids in masonry block or tile walls where such walls are not exposed or subject to excessive moisture or dampness. Type NMS cable shall be used as permitted in Article 780.

(92) Section E3902.1 is deleted and replaced as follows:

E3902.1 Bathrooms. All openings for bathrooms are to be ground fault circuit interrupter protected (G.F.C.I.) except bath fans and lights not installed in tub/shower area. Fan units and lights shall not be installed in tub/shower area unless they are testing lab approved and ground fault circuit interrupter (G.F.C.I.) protected. Fixtures 8 feet or more above the bathtub rim or 10 feet above a shower floor are not required to be (G.F.C.I.) protected. In the context of this section, a bathroom is an area including a basin with one or more of the following: a toilet or a shower.

(93) Section 3903.4 is amended as follows:

E3903.4 Storage or equipment spaces. In attics, under-floor spaces, utility rooms, and basements, at least one lighting outlet shall be installed where these spaces are used for storage or contain equipment requiring servicing. Such lighting outlet shall be controlled by a wall switch or shall have an integral switch. At least one point of control shall be at the usual point of entry to these spaces. ~~The~~ Also, a lighting outlet shall be provided at or near ~~the~~ any equipment requiring servicing.

(94) Section AE101.2 is hereby added as follows:

AE101.2 Mobile (manufactured) and modular units shall comply with Manufactured Housing and Mobile Home Safety Act of the State of Illinois.

Mobile structures are subject to the regulations of the Federal Department of Housing and Urban Development and shall be installed in accordance with appendix A Sections A101, A201, A305 through 605. Such units shall bear a red label permanently affixed to the unit.

Modular or manufactured units shall meet the provision of this code and the Illinois Statutes Chapter 67 1/2 and Title 77, Chapter 1, Subchapter 1, Part 880 of the Illinois Administrative Code. Modular units shall bear a seal approved by the Illinois Department of Public Health on the unit.

(95) Section AE201.1 is amended as follows:

MANUFACTURED HOME. A structure transportable in one or more sections, which in the traveling mode is 8 body feet (2438 body mm) or more in width or ~~40 32~~ body feet (~~12192 9754~~ body mm) or more in length, or, when erected on site, is 320 or more square feet (30 m²), and which is built on a permanent chassis and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities, and includes the plumbing, heating, air-conditioning, and electrical systems contained therein; except that such term shall include any structure which meets all the requirements of this paragraph except the size requirements and with respect to which the manufacturer voluntarily files a certification required by the secretary (HUD) and complies with the standards established under this title.

For mobile homes built prior to June 15, 1976, a label certifying compliance to the Standard for Mobile Homes, NFPA 501, ANSI 119.1, in effect at the time of manufacture is required. For the purpose of these provisions, a mobile home shall be considered a manufactured home.

The following definition is added:

MODULAR OR MANUFACTURED HOME. A building assembly or system of built sub-assemblies, designed for habitation as a dwelling for one or more persons, including the necessary electrical, plumbing, heating, ventilating and other service systems, which is of closed or open construction and which is made or assemble by a manufacturer, on or off the building site, for installation, or assembly and installation on the building site with a permanent foundation.

(96) Section AG101.2 is added as follows:

AG101.2 Overhead Conductor Clearances. The following parts of spas, hot tubs and pools shall not be placed under existing service-drop conductors or any other open overhead wiring; nor shall such wiring be installed above the following: (1) pools and the area extending 10 feet (3.05 m) horizontally from the inside of the walls of the pool; (2) diving structure or (3) observation stands, towers, or platforms.

(97) Appendices F, I, J and K are deleted

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 immediately 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