

ORDINANCE CHANGES  
WITH ADOPTION OF 2009 INTERNATIONAL BUILDING CODE

AN ORDINANCE AMENDING CHAPTER 4 OF  
THE CODE OF ORDINANCES OF  
THE CITY OF ROCK ISLAND, ILLINOIS

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROCK ISLAND, ILLINOIS:

Section One. That Sec. 4-1, Sec. 4-3, Sec. 4-4 and Sec. 4-23, Chapter 4, Article I, of the Code of Ordinances of The City of Rock Island, Illinois, is hereby amended by deleting said sections in their entirety and by inserting in lieu thereof the following:

**“Sec. 4-1. Building Codes Adopted by Reference:**

**The International Building Code, 2009 Edition, International Residential Code, 2009 Edition, International Existing Building Code, 2009 Edition, International Energy Conservation Code, 2009 Edition, and International Property Maintenance Code, 2009 Edition, which are freely viewable on line at <http://publicecodes.citation.com/icod/index.htm>, are hereby adopted by reference and shall serve as the Building Code of the City subject to their amendments which are marked Exhibit “A” attached hereto and made a part hereof by reference, which amendments are on file in the office of the City Clerk.”**

**“Sec. 4-3. Plumbing Codes Adopted by Reference:**

**The most recent edition of the Illinois Plumbing Code shall apply to the installation, alteration, repair, relocation, addition, replacement, and maintenance of plumbing systems regulated by the Illinois Plumbing Code. The International Plumbing Code, 2009 Edition, and the International Fuel Gas Code, 2009 Edition, which are freely viewable on line at <http://publicecodes.citation.com/icod/index.htm>, shall apply to any and all plumbing and piping systems not regulated by the Illinois Plumbing Code. In addition, any structure in which a building drain is installed shall have at least one (1) vent stack carried through the roof and increased to a minimum size of Four Inches (4”) at a point one foot (1’) below the roof line.**

**“Sec. 4-4. Mechanical Codes Adopted by Reference:**

**The International Mechanical Code, 2009 Edition, and International Fuel Gas Code, 2009 Edition, which are freely viewable on line at <http://publicecodes.citation.com/icod/index.htm>, are hereby adopted by reference and shall serve as the Mechanical Code of the City subject to their amendments which are marked Exhibit “A” attached hereto and made a part hereof by reference, which amendments are on file in the office of the City Clerk.”**

**“Sec. 4-23. Electrical Codes Adopted by Reference:**

**The National Fire Protection Association, National Electrical Code, 2008 Edition, is hereby adopted by reference and shall serve as the Electrical Code of the City subject to the amendments which are marked Exhibit “A” attached hereto and made a part hereof by reference, which amendments are on file in the office of the City Clerk.”**

Section Two. All ordinances and parts of ordinances in conflict herewith are hereby repealed as they do so conflict.

Section Three. This ordinance shall be in full force and effect from and after its passage and approval, as required by law.

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MAYOR OF THE CITY OF ROCK ISLAND

PASSED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

ATTEST: \_\_\_\_\_

CITY CLERK

## **Exhibit A**

**Enclosure 1** – Amendments to 2009 International Building Code (IBC)

**Enclosure 2** – Amendments to 2009 International Residential Code (IRC)

**Enclosure 3** – Amendments to 2009 International Existing Building Code (IEBC)

**Enclosure 4** – Amendments to 2009 International Energy Conservation Code (IECC)

**Enclosure 5** – Amendments to 2009 International Property Maintenance Code (IPMC)

**Enclosure 6** – Amendments to 2009 International Mechanical Code (IMC)

**Enclosure 7** – Amendments to 2009 International Fuel Gas Code (IFGC)

**Enclosure 8** – Amendments to International Plumbing Code (IPC) and Section 4.3 of Code of Ordinances

**Enclosure 9** – Amendments to the National Fire Protection Association 2008 National Electrical Code (NEC)

*Enclosure 1 – Amendments to 2009 International Building Code (IBC)*

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

**101.2 Scope** Add “1.” To exception and add exception: “2. Existing buildings undergoing repair, alternations, additions, or change of occupancy shall be permitted to comply with the *International Existing Building Code*.”

**101.4.3 PLUMBING:** The most recent edition of the *Illinois Plumbing Code* shall apply to the installation, alteration, repair, relocation, addition, replacement, and maintenance of plumbing systems regulated by the *Illinois Plumbing Code*. The *International Plumbing Code* and the *International Fuel Gas Code* shall apply to any and all plumbing and piping systems not regulated by the *Illinois Plumbing Code*. In addition, ANY structure in which a building drain is installed shall have at least one (1) vent stack carried through the roof and increased to a minimum size of Four Inches (4”) at a point one foot (1’) below the roof line.

**1612.3 Establishment of flood hazard areas.** Replace *[INSERT NAME OF JURISDICTION]* with “City of Rock Island” and replace *[INSERT DATE OF ISSUANCE]* with “5 April 2010”

**3412.2 Applicability.** Replace *[DATE TO BE INSERTED... ...WITHIN THE JURISDICTION]* with “7 December 2011”

Adopt the following Appendices:

**C Group U – Agricultural Buildings**

**E SUPPLEMENTARY ACCESSIBILITY REQUIREMENTS**

**F RODENT PROOFING**

**G FLOOD-RESISTANT CONSTRUCTION**

**H SIGNS**

**I PATIO COVERS**

**K ADMINISTRATIVE PROVISIONS** – modified as follows: Strike **Section K111 Electrical Provisions** in its entirety.

**Enclosure 2 – Amendments to 2009 International Residential Code (IRC)**

**R101.1 Title.** Replace [NAME OF JURISDICTION] with “City of Rock Island”

**R101.2 Scope,** Add “1.” to published exception. Add exception: “2. The most recent edition of the *Illinois Plumbing Code* shall apply to the installation, alteration, repair, relocation, addition, replacement, and maintenance of plumbing systems as stipulated by the *Illinois Plumbing Code*. The provisions of the *International Residential Code* shall apply to all plumbing and piping systems not covered by the *Illinois Plumbing Code*.” In addition, ANY structure in which a building drain is installed shall have at least one (1) vent stack carried through the roof and increased to a minimum size of Four Inches (4”) at a point one foot (1’) below the roof line.

**R105.2 Work exempt from permit: Change** (1) 120 square feet; **Delete** (10)

**Table R301.2(1) Climatic and Geographic Criteria**

Ground Snow Load	Wind Design		Seismic Design Category <sup>f</sup>	Subject to Damage From		
	Speed <sup>d</sup> (mph)	Topographic Effects <sup>k</sup>		Weathering <sup>a</sup>	Frost line depth <sup>b</sup>	Termite <sup>c</sup>
p <sub>s</sub> = 30 psf, except that calculations for additional drift loads shall use a ground snow load p <sub>g</sub> = 25 psf	90	YES	A	SEVERE	42”	Moderate to Heavy

Winter Design Temp <sup>e</sup>	Ice Barrier Underlayment Required <sup>h</sup>	Flood Hazards <sup>g</sup>	Air Freezing Index <sup>i</sup>	Mean Annual Temp <sup>j</sup>
-4° F	YES	Initial NFIP 7/10/1971 Community# 175171 Current FIRM 4/5/2010	2000	50.5° F

**R 302.2 Townhouses**

**Change** Exception: first sentence to read:

A common 2-hour fire resistance-rated assembly tested in accordance with ASTM E119 or UL263 is permitted for townhouses if such walls do not contain plumbing/mechanical equipment, ducts or vents in common walls.

**R305 Ceiling height**

**Add:** Exception 3.

Ceilings may have projections to within 6 feet 6 inches of the finished floor for area not to exceed 50% of the room in which the projection is in.

**R310.2.1 Ladders and steps** (In Egress Wells)

**Add:** Steps shall have a minimum width of 12 inches, a minimum tread depth of 5 inches, and a maximum riser height of 24 inches.

**R313.2 One- and Two- Family Dwelling Automatic Fire Systems. Change- January 1<sup>st</sup>, 2011 to January 1<sup>st</sup>, 2013.**

**R315.1 Carbon Monoxide Alarms**

**Change:** For new construction, an approved carbon monoxide alarm may be installed inside each separate sleeping area, or, if installed outside of each separate sleeping area must be within 15 feet of the door to the sleeping area in dwelling units within which fuel-fired appliances are installed and in dwelling units that have an attached garage.

**R322 Flood-Resistant Construction.** Delete text in its entirety and add: See The City of Rock Island Code of Ordinances Chapter 11 Planning and Redevelopment, Article IV Flood Hazards.

**R403 footings: Delete table R403.1, and replace with the following table R403.1**

# of floors	Wall Thickness Concrete	Wall Thickness Masonry	Width of footing	Thickness of footing	Depth of footing
1	8"	8"	16"	8"	42"
2	8"	8"	16"	8"	42"
3	10"	12"	20"	12"	42"

**R403.1.1 (footings) General:**

**Change:** In the 3<sup>rd</sup> sentence, change 6 inches (152mm) to 8inches (200mm).

**R403.1.1.1 Decks footings:** (add section) **R403.1.1.1.1** Deck footings NOT supporting a roof or over head structure shall be a minimum 12 inches in diameter and 42 inches below finished grade.

**R403.1.1.1.2 Covered deck and room addition footings:**

All covered decks, screened porches; three season rooms, four season rooms, room additions, etc., shall have one of the following:

1. Pier footings designed by a design professional.
2. 12 inch wide reinforced trench footing 42 inches in depth.
3. Spread footings 42 inches in depth with a minimum 8 inch masonry wall or concrete foundation wall as per **Figure 404.1.3.1 (b)**

**Add section R404.1.3.1 Minimum Reinforcing Requirements:**

1. For concrete walls up to 8' (eight feet) in height, the design requirements of **Figure 404.1.3.1 (b)** may be met in lieu of engineered drawings.
2. For Concrete walls over 8' (eight feet) to 9' (nine feet) in height, the design requirements of **Figure 404.1.3.1 (a)** may be met in lieu of engineered drawings.

All other concrete walls shall be designed in accordance with standard engineering practice and bear the stamp of an Illinois Licensed design professional.

**P2603.6.1 Sewer Depth.** Replace *[NUMBER]* with “42” in both locations.

**Part IV Energy Conservation:** Delete everything after **N1101.2 Compliance.** Replace text of section N1101.2 Compliance with: “Compliance shall be demonstrated by meeting the requirements of the International Energy Conservation Code.”

**Part VIII Electrical, Chapters 34- 43 Chapter 34 General Requirements.**

(Add) Where the 2008 National Electric Code NFPA 70 as referenced is amended by this Resolution, such amendments are to be interpreted as a minimum requirement for this Part. Requirements for registration with the jurisdiction, permits, fees and violations/penalties of this 2009 International Residential Code hereby apply to the 2008 National Electric Code NFPA 70.

**E3406.3 Minimum Size of Conductors.**

(Change) **14** AWG Copper to **12** AWG Copper.

(Change) **12** AWG Aluminum to **10** AWG Aluminum.

(Add) In ALL instances, where this code or the NFPA70 references **14** AWG Copper, **12** AWG Copper shall apply. In ALL instances, where this code or the NFPA70 references **12** AWG Aluminum to **10** AWG Aluminum shall apply.

Appendices: **Adopt as noted;**

A- Sizing and Capacities of Gas Piping

B- Sizing of venting systems serving appliances equipped with draft hoods, Category 1 appliances, and

appliances listed for type B vents

C- Exit terminals of mechanical draft and direct-vent venting systems

D-Recommended Procedure for inspection of an existing appliance installation

E-Manufactured housing used as a dwelling

F-Radon Control Methods with the following amendments:

**AF103.4.4** –The second sentence must be entirely deleted. (**Delete:** “sumps used as the suction point in a sub slab depressurization system shall have a lid designed to accommodate the vent pipe.”)

**AF103.5.3** – In the second sentence delete “the roof” and insert “above the highest eave of the house”.

**AF103.6.1** –

First paragraph:

- Delete ABS (not allowed)
- Add “schedule 40” prior to PVC
- The last sentence must be amended to read: “Alternatively, the 3-inch (76 mm) pipe shall be inserted directly above the interior drain tile loop and not tied into it.”

Second paragraph:

- In the first sentence delete “surface of the roof” and insert “highest eave of the house”

**AF103.6.2** – The last sentence should read: “ Vent pipes shall connect to a single vent that terminates at least 12” above the highest eave of the house or each individual vent pipe shall terminate separately at least 12” above the highest eave of the house.”

**AF103.10** – The second sentence must read as follows: “Each radon vent pipe shall terminate at least 12” above the highest eave of the house or shall be connected to a single vent that terminates at least 12” above the highest eave of the house”

G-Swimming Pools, Spas, Hot tubs

H-Patio Covers

J- Existing Buildings and Structures

K-Sound transmission

M-Home Day care- R-3 Occupancy

Q-ICC- IRC Electrical provisions/NEC cross reference



## Building Guide

ILLOWA Chapter of ICC

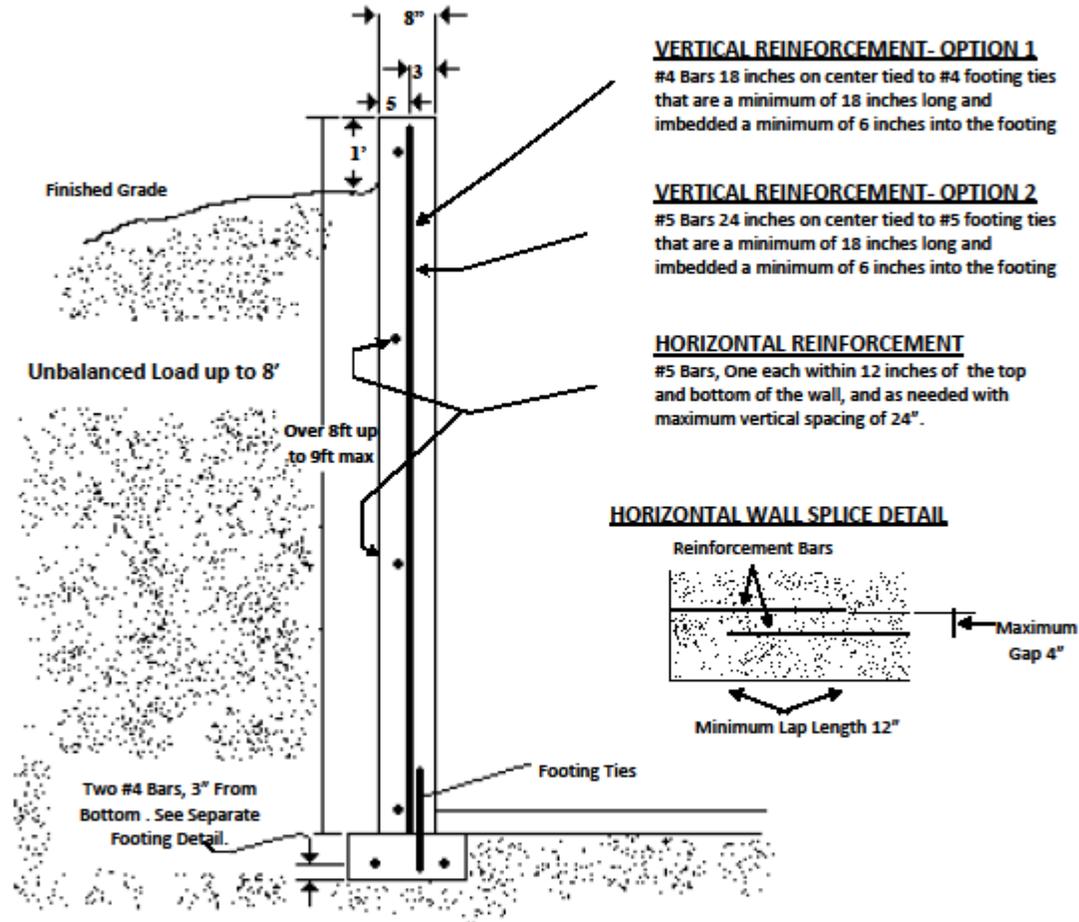
### FOUNDATION WALL REINFORCEMENT

All Foundation Walls over 8FT to 9FT in height  
with up to 8' Unbalanced load



#### IRC Figure 404.1.3.1 (a)

Note: Wall must extend 6" above finished Grade,  
Walls over 9 ft or with more than 8 ft of unbalanced load require stamped engineered drawings.



DESIGN LOADS: Soil Weight: 120 PCF  
Lateral Liquid Equivalent Soil Pressure: 50PCF  
Soil Level One Foot Below Top of Wall



## Building Guide

ILLOWA Chapter of ICC

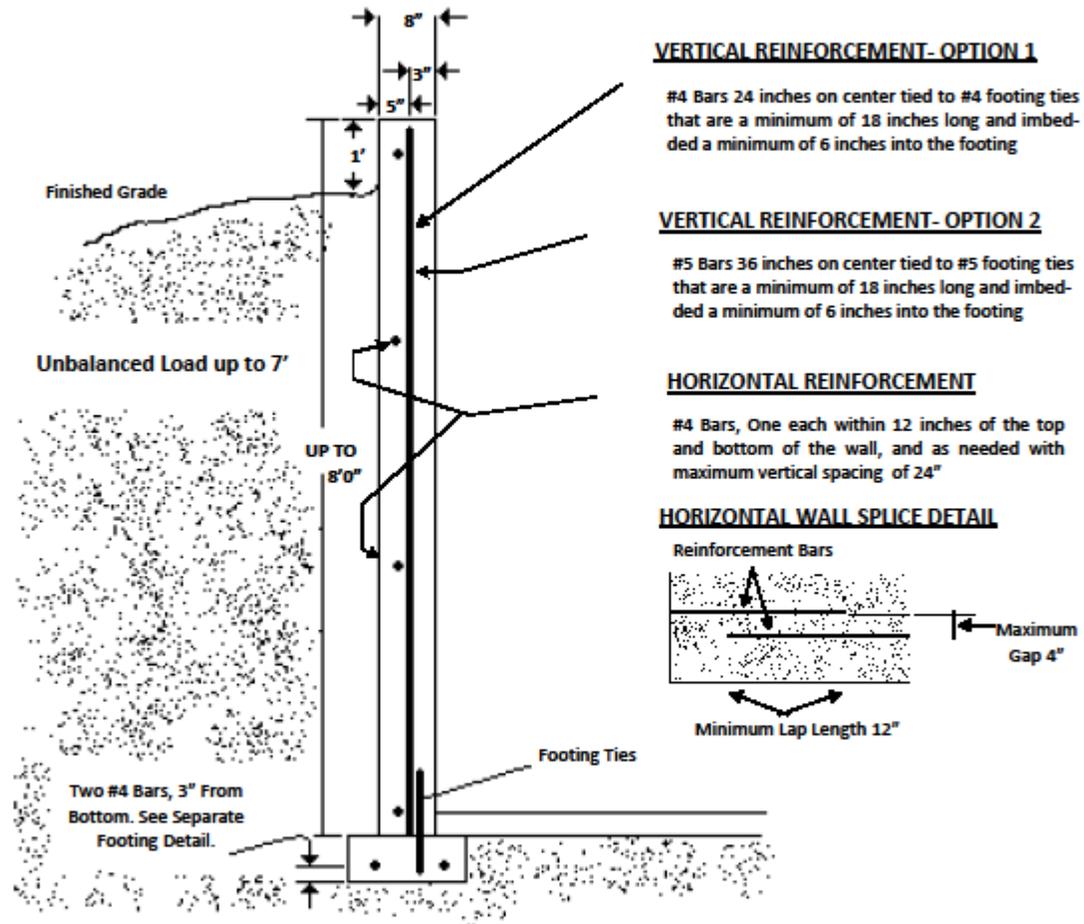
### FOUNDATION WALL REINFORCEMENT

All Foundation Walls up to 8 FT in height  
with up to 7 ft Unbalanced Load



#### IRC Figure 404.1.3.1 (b)

Note: Wall must extend 6" above finished Grade



DESIGN LOADS: Soil Weight: 120 PCF  
 Lateral Liquid Equivalent Soil Pressure: 50PCF  
 Soil Level One Foot Below Top of Wall

***Enclosure 3 – Amendments to 2009 International Existing Building Code (IEBC)***

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

**1301.2 Applicability.** Replace *[DATE TO BE INSERTED... ..WITHIN THE JURISDICTION]* with “7 December 2011”

***Enclosure 4 – Amendments to 2009 International Energy Conservation Code (IECC)***

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

**Enclosure 5 – Amendments to 2009 International Property Maintenance Code (IPMC)**

**101.1 Title.** Replace [NAME OF JURISDICTION] with “City of Rock Island”

**302.4 Weeds.** Insert (10’)

**304.14 Insect Screens** Insert “April 1<sup>st</sup> to November 1<sup>st</sup>”

**404.4.1 Room area.** Add and every bedroom occupied by more than one person shall contain at least 50 square feet (4.6 m2) of floor area for each occupant thereof.

**404.5 Overcrowding.** Replace text with Dwelling units shall not be occupied by more occupants than permitted by the minimum area requirements of Table 404.5.

Add new table and text as follows:

**TABLE 404.5  
MINIMUM AREA REQUIREMENTS**

Space	MINIMUM AREA IN SQUARE FEET		
	1-2 occupants	3-5 occupants	6 or more occupants
Living room <sup>a,b</sup>	No requirements	120	150
Dining room <sup>a,b</sup>	No requirements	80	100
Bedrooms	Shall comply with Section 404.4.1		

a. See Section 404.5.2 for combined living room/dining room spaces.

b. See Section 404.5.1 for limitations on determining the minimum occupancy area for sleeping purposes.

**404.5.1 Sleeping area.** The minimum occupancy area required by Table 404.5 shall not be included as a sleeping area in determining the minimum occupancy area for sleeping purposes. All sleeping areas shall comply with Section 404.4.

**404.5.2 Combined spaces.** Combined living room and dining room spaces shall comply with the requirements of Table 404.5 if the total area is equal to that required for separate rooms and if the space is located so as to function as a combination living room/dining room.

**602.3 Heat supply** Insert “October 1<sup>st</sup> to May 15<sup>th</sup>”

**602.4 Occupiable work spaces** Insert “October 1<sup>st</sup> to May 15<sup>th</sup>”

**ADD NEW TEXT AS FOLLOWS:**

**603.1.1** Property owners are required to have annual carbon monoxide tests of furnaces performed for all fuel-burning furnaces that are 10 years old or older and for all fuel-burning furnaces that have been inoperative for one year or longer. Tests must be performed by a properly certified and registered mechanical contractor. Owners shall immediately notify Inspection Division of failed tests. Owners shall provide a legible certified copy of successful test results to Code official not later than 30 days after the test.

Exception: A carbon monoxide detector installed within 10' of furnace will meet the intent of the annual carbon monoxide test requirement.

**ADD NEW TEXT AS FOLLOWS:**

**603.1.2:** Every dwelling unit shall be equipped with at least one approved carbon monoxide alarm in an operating condition within 15 feet of every room used for sleeping purposes. Carbon monoxide detector/smoke detector alarms may be installed only if the combined unit provides different alarm tones for the carbon monoxide detection and the smoke detection.

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.

The required carbon monoxide detector/alarm is permitted to be solely battery operated in buildings where no construction is taking place, buildings that are not served from a commercial power source and in existing areas of buildings undergoing alterations or repairs that 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 building wiring without the removal of interior finishes.

**Exception:** Carbon Monoxide Detectors are not required if:

A residential unit is in a building that does not rely on combustion of fossil fuel for heat or hot water and the building is not connected in any way to a garage and the building is not contiguous to a source of carbon monoxide.

**Add new text as follows: 603.7 Existing HVAC systems.** Refrigerant circuit access ports shall be provided with locking-type tamper-resistant caps or comparable device.

**Replace 605.2 Receptacles.** Every habitable space in a dwelling shall contain at least two separate and remote receptacle outlets. Every laundry area shall contain at least one grounded-type receptacle or a receptacle with a ground fault circuit interrupter.

**Add 605.2.1 Bathrooms in Residential units.** Each bathroom in residential units shall have at least one receptacle. Every bathroom receptacle in residential units shall be protected against ground faults by means of a ground fault circuit interrupter or other approved means.

**Add 605.2.2 Kitchens in Residential units.** Every kitchen countertop receptacle that is within 6 feet of a sink or exposed pipe shall be protected against ground faults by means of a ground fault circuit interrupter or other approved means.

Replace full text of **606.1General.** with:

**606.1 General.** Elevators, dumbwaiters and escalators shall be maintained in compliance with and certified in accordance with State of Illinois statutes and regulations.

***Enclosure 6 – Amendments to 2009 International Mechanical Code (IMC)***

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

*Enclosure 7 – Amendments to 2009 International Fuel Gas Code (IFGC)*

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

**608 Vented Wall Furnaces:** Delete section, not allowed.

**609 Floor Furnaces:** Delete section, not allowed.

**Appendix A:** adopted by this reference.

***Enclosure 8 – Amendments to International Plumbing Code (IPC) and Section 4.3 of Code of Ordinances***

For the IPC:

**101.1 Title.** Replace *[NAME OF JURISDICTION]* with “City of Rock Island”

**305.6.1 Sewer Depth.** Replace *[NUMBER]* with “42” in both locations.

For Code of Ordinances section 4.3:

Replace entire section with:

**Sec. 4-3. Plumbing Codes Adopted by Reference:**

The most recent edition of the Illinois Plumbing Code shall apply to the installation, alteration, repair, relocation, addition, replacement, and maintenance of plumbing systems regulated by the Illinois Plumbing Code. The International Plumbing Code, 2009 Edition, and the International Fuel Gas Code, 2009 Edition, which are freely viewable on line at <http://publicecodes.citation.com/icod/index.htm>, shall apply to any and all plumbing and piping systems not regulated by the Illinois Plumbing Code. In addition, ANY structure in which a building drain is installed shall have at least one (1) vent stack carried through the roof and increased to a minimum size of Four Inches (4”) at a point one foot (1’) below the roof line.

**Enclosure 9 – Amendments to the National Fire Protection Association 2008 National Electrical Code (NEC)**

**220.14 Other Loads – All Occupancies (Add)**

( M ) Maximum number of outlets per circuit.

Except as otherwise provided, the maximum number of outlets per circuit shall be:

- |  |    |
|--|----|
| (1) Lighting outlets in dwelling occupancies                   | 12 |
| (2) General use receptacles – all dwelling occupancies         | 10 |
| (3) General use receptacles – all dwelling kitchen countertops | 2  |

**Article 230 – Services. (Change)**

230.91 Service-Entrance Conductors Inside Structures.

Location of Over current Protection. The service over current device shall be connected by no more than 10 feet of raceway from the meter device, in structures.

**334.10 Uses Permitted. (Delete in its entirety and replace with the following)**

Section 334.10 Uses Permitted. Type NM and Type NMC cable, minimum size # 12 copper or equivalent shall be permitted to be used in one-family and two family dwellings, and in multi-family dwellings. All service and sub-feeds shall be installed in raceway.

*Exception:* One-family and two-family dwellings not exceeding three stories in height may utilize # 12 NM or NMC cable or larger without raceways for sub-feeds.

**334.12 Uses Not Permitted (Add)**

Type NM and Type NMC cable shall not be used in any commercial or industrial applications.

**404.4 Wet Locations (Add)**

“In no case shall any outlet, switch or unapproved fixture be installed within the restricted tub or shower zone. The zone is all encompassing and includes the space directly over the tub or shower and extends Three (3) feet from the side and Eight (8) feet above the top of the tub rim shall be considered minimum distance from said tub or shower.