

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

Sec. 5-25. International Residential Code – Adopted and Amended.

(A) A certain document, one copy of which is on file in the City Clerk’s Office of the City of Peoria, being marked and designated as “International Residential Code, 2012 Edition,” published by the International Code Council is hereby adopted, as amended herein, as the Code for establishing the minimum regulations governing the conditions and maintenance of property, buildings, and structures within the City of Peoria.

(B) The International Residential Code, 2012 Edition, is amended as follows:

(1) Chapter 1, “Scope and Administration”, is hereby amended as follows:

R101.1 Title. Insert the words “City of Peoria” as the name of jurisdiction.

Amend Section R102.5 Appendices by adding the following:

The following appendices are adopted:

### **APPENDIX A - SIZING AND CAPACITIES OF GAS PIPING**

### **APPENDIX B - SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES, AND APPLIANCES LISTED FOR USE AND TYPE B VENTS**

### **APPENDIX C - EXIT TERMINALS OF MECHANICAL DRAFT AND DIRECT-VENT VENTING SYSTEMS**

### **APPENDIX D - RECOMMENDED PROCEDURE FOR SAFETY INSPECTION OF AN EXISTING APPLIANCE INSTALLATION**

### **APPENDIX G - SWIMMING POOLS, SPAS AND HOT TUBS Adopt Sections AG101, AG102, AG103 & AG104 only**

### **APPENDIX H - PATIO COVERS**

### **APPENDIX J - EXISTING BUILDINGS AND STRUCTURES**

### **APPENDIX K - SOUND TRANSMISSION**

R102.7 Existing structures. Delete the words “or the International Fire Code” and insert in lieu thereof, ‘as adopted by the City of Peoria’.

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

R107.3 Temporary power. Delete the words “in NFPA 70” and insert in lieu thereof, ‘by the Electrical Code adopted by the City of Peoria and amended from time to time.’

Amend R110.1 Use and occupancy by replacing it in its entirety with the following:

No building or structure shall be used or occupied, or furnished in whole or in part, and no change in the existing occupancy classification of a building or structure or portion thereof shall be made until the Building Official has issued a certificate of occupancy (or a utility clearance) therefore as provided herein. Issuance of a certificate of occupancy shall (or a utility clearance) not be construed as an approval of a violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or of other ordinances of the jurisdiction shall not be valid.

**Exception:** Certificates of occupancy (or a utility clearance) are not required for work exempt from permits under Section 105.2.

R110.2 Change in use. Add the following words to the end of the sentence: ‘as adopted by the City of Peoria and amended from time to time.’

(2) Chapter 3, “Building Planning”, is hereby amended to read as follows:

Modify Table R301.2(1), by inserting the following:

Ground Snow Load:	0 psf
Wind speed:	90 mph, Exposure C
Topographic effects:	NO
Seismic Design Category:	B
Weathering:	NEGLIGIBLE
Frost Line Depth:	12”
Termite:	MODERATE TO HEAVY
Winter Design Temperature:	32 degrees F
Ice Shield Underlayment Required:	NO
Flood Hazards:	(a) July 9, 1984, (b) July 19, 2001’
Air Freezing Index:	0
Mean Annual Temperature:	71.2 degrees F

Replace the first paragraph of Section R309.1 in its entirety with the following:

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

R309.1 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<sup>3</sup>/<sub>8</sub> inch (35 mm) in thickness, solid or honeycomb core steel doors not less than 1<sup>3</sup>/<sub>8</sub> inches (35 mm) thick, or 20-minute fire-rated doors. Doors providing opening protection shall be maintained self-closing and self-latching.

Amend Chapter 3, Building Planning by deleting Section R313, Automatic Fire Sprinkler Systems in its entirety.

Add new section R324 to read as follows:

R324 Sound Attenuation. Buildings covered under the International Residential Code shall be subject to the following provisions:

- 1) Buildings shall be designed for a maximum interior noise level of 45 decibels.
- 2) Exterior wall penetrations by pipe ducts or conduits shall be caulked.
- 3) Mailboxes shall not be used through the door or wall.
- 4) Windows shall have two panes of glass and sound transmission rating of STC-22. All operable windows shall be weather stripped and airtight in accordance with ASTM R-283-84-T Standard. Perimeter window frames shall be sealed to airtight specifications.
- 5) All non-glazed portions of exterior side-hinged doors shall be solid-core wood or insulated hollow metal or at least one and three-quarters inch thick and fully weather stripped. The perimeter doorframes shall be sealed to airtight specifications.
- 6) Fireplaces shall be provided with well fitting dampers, unless otherwise prohibited elsewhere in the Code.
- 7) Exterior walls shall be at least four inches in nominal depth and shall be finished on the outside with block, siding, sheathing, or stucco on one-inch Styrofoam. R-19 fiberglass or cellulose insulation shall be installed continuously throughout the cavity space behind the wall. Total insulation R-value of the exterior wall assembly shall be R-18.
- 8) Attics and roof rafter spaces shall be insulated with a minimum insulation R-value of at least R-30.

If the specified requirements of section R324 are not met, the Building Official may approve as an alternative, a certification by an architect or engineer registered pursuant to Title 32, Chapter 1 to achieve a maximum interior noise level of forty-five (45) decibels at time of final construction.

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

- (3) Chapter 13, “General Mechanical System Requirements”, is hereby amended as follows:

Add a new section as follows:

M1307.7 Liquefied Petroleum Appliances. LPG appliances shall not be installed in an attic, pit or other location that would cause a ponding or retention of gas.

- (4) Chapter 24, “Fuel Gas”, is hereby amended to read as follows:

Add a new paragraph to G2406.2 Prohibited locations, by adding exception number 6:

6. Liquefied Petroleum Appliances. LPG appliances shall not be installed in an attic, pit or other location that would cause a ponding or retention of gas.

Amend Section G2415.12 by replacing the first paragraph with the following:

G2415.12 (404.12) Minimum burial depth. Underground piping systems shall be installed a minimum depth of 12 inches (305 mm) below grade for metal piping and 18 inches (457mm) for plastic piping.

Amend Section G2415.12 by deleting subparagraph G2415.12.1 in its entirety.

- (6) Chapter 36, “Services”, is revised to read as follows:

Revision to IRC Table E3603.1

Revise Table as Follows (Minimum Grounding Electrode Conductor Size in the rightmost two columns to remain the same):

CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

**TABLE E3603.1**  
**SERVICE CONDUCTOR AND GROUNDING ELECTRODE CONDUCTOR SIZING**

CONDUCTOR TYPES AND SIZES – THHW, THW, THWN, USE, XHHW (Parallel sets of 1/0 and larger conductors are permitted in Rating either a single raceway or in separate raceways)		Service or Feeder Rating (Amperes)	
Copper (AWG)	Aluminum and copper-clad aluminum (AWG)	≤30°C (86°F)	> 30°C (86°F)
4	2	100	
3	1	110	
2	1/0	125	100
1	2/0	150	125
1/0	3/0	175	150
2/0	4/0 or two sets of 1/0	200	175
3/0	250 kcmil or two sets of 2/0	225	200
4/0 or two sets of 1/0	300kcmil or two sets of 3/0	250	225
250 kcmil or two sets of 2/0	350 kcmil or two sets of 4/0	300	250
350 kcmil or two sets of 3/0	500 or two sets of 250 kcmil	350	300
400 kcmil or two sets of 4/0	600 or two sets of 300 kcmil	400	350
500 kcmil	750 kcmil		400

(6) Chapter 38, “Power and Lighting Distribution, “is hereby amended to read as follows:

Amend Section E3908.8 by replacing it with the following:

E3908.8 Types of equipment grounding conductors. The equipment grounding conductor run with of enclosing the circuit conductors shall be one or more or a combination of the following:

2. Threaded rigid metal conduit and fittings.
3. Threaded intermediate metal conduit and fittings.

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

(Ord. No. 02-10, 2/19/02, 2000 international edition adopted) (SUPP 2002-1)

(Ord. No. 04-22, 5/16/04, 2003 international edition adopted and amended) SUPP 2004-2

(Ord. No. 07-11, 4/17/07, 2006 international edition adopted and amended) SUPP 2007-2

(Ord. No. 2012-08, 5/1/2012, 2012 international edition adopted and amended) SUPP 2012-2