

Passed: Dec. 8, 2015  
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## ORDINANCE NO. 2259

**AN ORDINANCE CONCERNING THE DESIGN, CONSTRUCTION, QUALITY OF MATERIALS, ERECTION, INSTALLATION ALTERATION, REPAIR, LOCATION, RELOCATION, REPLACEMENT, ADDITION TO, AND USE OR MAINTENANCE OF CERTAIN RESIDENTIAL STRUCTURES BY AMENDING CHAPTER 15.44 OF THE DERBY MUNICIPAL CODE TO ADOPT BY REFERENCE THE 2012 INTERNATIONAL RESIDENTIAL CODE, THE WICHITA FOUNDATION, BASEMENT AND SLAB-ON-GRADE STANDARDS FOR ONE AND TWO FAMILY DWELLINGS, AND THE CITY OF WICHITA STANDARD FOR RESIDENTIAL WOOD FRAMED DECKS, AS HEREIN AMENDED, REPEALING ORIGINAL CHAPTER 15.44 OF THE DERBY MUNICIPAL CODE AND FURTHER REPEALING ALL CONFLICTING ORDINANCES OR PARTS THEREOF.**

**BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF DERBY, KANSAS:**

**Section 1.** Chapter 15.44 – International Residential Code of the Derby Municipal Code is hereby amended to read as follows:

### **“Chapter 15.44 – INTERNATIONAL RESIDENTIAL CODE**

#### **Sections:**

**15.44.010 - Adoption of 2012 Residential Code.**

**15.44.020 - Amendments to the 2012 Residential Code.**

**15.44.030 - Adoption of Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings.**

**15.44.040 - Adoption of City of Wichita Standard for Residential Wood Framed Decks.**

**15.44.050 - Amendments to the City of Wichita Standard for Residential Wood Framed Decks.**

**15.44.010 - Adoption of 2012 Residential Code.**

The 2012 International Residential Code (the "IRC"), excluding its several appendices, a uniform code prepared by the International Code Council, Inc., 5203 Leesburg Pike, Suite 708, Falls Church, Virginia, 22041, is hereby adopted by reference and incorporated as an ordinance of the City of Derby, Kansas, except as specific provisions thereof are hereby amended or repealed. One or more copies of the IRC shall be marked

or stamped "Official Copy," with all deleted or amended sections or portions thereof clearly marked, and to which shall be attached a copy of this ordinance. Such copy or copies shall be open and available for public inspection at all reasonable hours.

**15.44.020 - Amendments to the 2012 Residential Code.**

The following sections of the IRC are hereby amended or repealed as hereinafter set forth:

- A. Section R101.1 of the IRC is hereby amended by addition of the following new section:

**R101.1 Title.** These regulations shall be known as the City of Derby, Kansas Residential Code.

- B. New section R101.4 of the IRC is hereby adopted to read as follows:

**R101.4 Referenced codes.**

**R101.4.1 Electrical.** Whenever used in the Residential Code, the term "ICC Electrical Code" shall be construed to mean the current City of Derby, Kansas Electrical Code, which shall apply to the installation of electrical systems, including alterations, repairs, replacement, equipment, appliances, fixtures, fittings and appurtenances thereto.

**R101.4.2. Gas.** Whenever used in the Residential Code, the term "International Plumbing Code" shall be construed to mean the current City of Derby, Kansas plumbing code, which shall apply to the installation of gas piping from the point of delivery, gas appliances and related accessories as covered in this code. These requirements apply to gas piping systems extending from the point of delivery to the inlet connection of appliances and the installation and operation of residential and commercial gas appliances and related accessories.

**R101.4.3 Mechanical.** Whenever used in the Residential Code, the term "IMC" shall be construed to mean the current City of Derby, Kansas Mechanical Code, which shall apply to the installation, alterations, repairs, and replacement of mechanical systems, including equipment, appliances, fixtures, fittings and/or appurtenances, including ventilations, heating, cooling, air-conditioning and refrigeration systems, incinerators, and other energy related systems.

**R101.4.4 Plumbing.** Whenever used in the Residential Code, the term "IPC" shall be construed to mean the current City of Derby, Kansas Plumbing Code, which shall apply to the installation, alterations, repairs, replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, where connected to a water or sewage system, and all aspects of a medical gas system.

**R101.4.5 Fire Prevention.** Whenever used in the Residential Code, the term “IFC” shall be construed to mean the current City of Derby, Kansas Fire Code, which shall apply to matters affecting or relating to structures, processes and premises concerning the hazard of fire and explosion arising from the storage, handling or use of structures, materials or devices; conditions hazardous to life, property or public welfare in the occupancy of structures or premises; the construction, extension, repair, alteration or removal of fire suppression and alarm systems and the repair, alteration or removal of or fire hazards located in structures or on premises.

C. Sections R102.1 through R102.6 of the IRC are hereby repealed.

D. Section R102.7 of the IRC is hereby amended to read as follows:

**R102.7. Existing structures.** The legal occupancy of any structure existing on the date of adoption of this code shall be permitted to continue without change, except as is specifically covered in this code, or as is deemed necessary by the building official for the general safety and welfare of the occupants and the public.

E. Section R104.8 of the IRC is hereby amended to read as follows:

**R104.8 Liability.** The code official and any officer, employee or agents enforcing this code on behalf of the code official, while acting within the scope of his or her employment, shall not be personally liable for his or her acts or omissions in accordance with the Kansas Tort Claims Act, as the same may from time to time be amended.

F. Section R105.2 of the IRC is hereby amended to read as follows:

**R105.2 Work exempt from permit.** 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. Permits shall not be required for the following:

**BUILDING:**

1. One-story detached accessory structures, provided the floor area does not exceed 200 square feet (18.58 m<sup>2</sup>) and an accessory structure permit is obtained from the City prior to installation.

**Exception:** Non-fixed and movable storage cabinets equipped with doors that conceal the contents within and having a footprint not exceeding 25 square feet (2.32 m<sup>2</sup>), shall not require the issuance of an accessory structure permit.

All detached accessory structures greater than 25 square feet (2.32 m<sup>2</sup>) but equal to or less than 400 square feet (37.16 m<sup>2</sup>) shall be attached to a permanent concrete foundation per R403.1.6 or shall be tied down to the earth using anchoring methods described below:

| Building Size |        |        | #of Anchors Required | Capacity of each Anchor |
|---------------|--------|--------|----------------------|-------------------------|
| Width         | Length | Height |                      |                         |
| 12'-0"        | 24'-0" | 13'-0" | 4 <sup>a,c,d,e</sup> | 800 lbs                 |
| 12'-0"        | 20'-0" | 13'-0" | 4 <sup>a,c,d,e</sup> | 750 lbs                 |
| 12'-0"        | 20'-0" | 10'-6" | 4 <sup>a,c,d,e</sup> | 250 lbs                 |
| 12'-0"        | 16'-0" | 10'-6" | 2 <sup>b,c,d,e</sup> | 400 lbs                 |
| 10'-0"        | 16'-0" | 10'-6" | 2 <sup>b,c,d,e</sup> | 600 lbs                 |

- a. Anchors shall be located with 12" of corners of the building.
- b. Anchors shall be located at equal distance between ends of structure.
- c. Anchors shall be attached to building with cable having a minimum capacity of 800 lbs.
- d. Anchors shall be Minute Man Anchor Model No. 4430-DH 5/8, 2' minimum.
- e. 2 clamps per anchor.

1.1 Playhouses or tree houses having single or multi-level floors with or without roofs.

2. Concrete or masonry fences not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall and other fences not over 8 feet (2438 mm) high.

2.1 Concrete or masonry monument sign bases not 4 feet (1219 mm) in height measured from the lowest point of the adjoining grade. The sign size and content requires separate approval and permit.

3. Retaining walls that are not over 4 feet (1219 mm) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.

4. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons (18,925 L) and the ratio of height to diameter or width does not exceed 2 to 1.

5. Sidewalks and driveways not more than 30 inches (762 mm) above adjacent grade and not over any basement or story below.

6. Decks, stoops, and porches not more than 30 inches (762 mm) above adjacent grade without overhead structures and not over any basement or story below.

7. Replacement of floor covering, painting, papering, tiling, carpeting, cabinets, counter tops, paneling and similar finish work.

8. Prefabricated swimming pools that are less than 24 inches (610 mm) deep and the capacity does not exceed 5,000 gallons (18,925 L) in which the pool walls are entirely above ground.
9. Swings and other playground equipment accessory to a one- or two-family dwelling.
10. Window 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.
11. Emergency board-up, or securing temporary bracing of a building after a fire, storm, vehicle damage or other disaster which caused the building to be open or unsafe. The building owner or his/her agent may cause such work to be done provided that the City is notified the following business day.
12. Repair or replacement of roofing and/or siding materials not exceeding 400 square feet (37.16 m<sup>2</sup>) within any 12 month period.
13. Repair or replacement of interior gypsum wallboard on non-fire rated walls or ceilings when the total area does not exceed 100 square feet (9.29 m<sup>2</sup>) within any 12-month period and provided that no framing electrical, mechanical or plumbing changes are made.
14. Replacement of windows or doors or replacement of roof skylights or equipment with the same size or smaller unit(s) that does not involve the removal, cutting, alteration or replacement of any building structural member; including but not limited to studs, headers, girders, beams, joists, rafters, cripples, jacks or other supporting framing member(s). The framing used to infill existing openings for the purpose of installing smaller unit(s) shall be exempt from permit requirements. Placement of smaller windows or doors shall not reduce the minimum size requirements of escape and rescue openings, or egress door(s) required in Sections R310 and R311 of this Code. The replacement door or window shall not be of a lower fire rating than required by this Code for any rated wall or assembly.

#### ELECTRICAL:

1. Listed cord and plug connected temporary decorative lighting;
2. Repair or replacement of branch circuit overcurrent devices of the required capacity in the same location; and
3. Communication wiring.

"Temporary" as used in this section is a period of time not to exceed ninety (90) days in a calendar year.

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.

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 coolers.
7. Self-contained refrigeration systems containing 10 pounds (4.54 kg) or less of refrigerant or that are actuated by motors of 1 horsepower (746 W) or less.
8. Portable-fuel-cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

The stopping of leaks in drains, water, soil, waste or vent pipe; provided, however, that if any concealed trap, drainpipe, water, soil, water 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 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 or rearrangement of valves, pipes or fixtures.

G. Section R105.3.1.1 of the IRC is hereby amended to read as follows:

**R105.3.1.1 Determination of substantially improved or substantially damaged existing buildings in flood hazard areas.** Applications for reconstruction, rehabilitation, addition or other improvements of existing buildings or structures located in an area prone to flooding as established by the City of Derby, Kansas Flood Plain District shall be governed by the provisions of said Flood Plain District.

H. Section R105.5 of the IRC is hereby amended to read as follows:

**R105.5 Expiration:** Every permit issued by the building official under the provisions of this code shall expire by limitation and become null and void if the building or work authorized by such permit is not commenced within 180 days from the date of issuance, or if the building or work authorized by such permit is suspended or abandoned at any time after the work has commenced. Work shall be considered to have been suspended or abandoned if there has been 180 days since the last required inspection. Before work can be recommenced, a new permit shall be first obtained, and the fee therefore shall be one-half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work; and provided further that such period of suspension or abandonment has not exceeded one year. In order to resume work after suspension or abandonment for a period exceeding one year, a new permit shall be required. Upon receipt of a written request for an extension of time, the building official is authorized to grant, upon demonstration of justifiable cause, one or more extensions of time for periods not to exceed 180 days each.

I. Section R106.3.1 of the IRC is hereby repealed.

J. Section R106.5 of the IRC is hereby repealed.

K. Section R106.6 of the IRC is hereby amended to read as follows:

**R106.6 Design professional in responsible charge.** When it is required that documents be prepared by a registered design professional, the building official shall be authorized to require the owner to engage and designate on the building permit application a registered design professional who shall act as the registered design professional in responsible charge. If the circumstances require, the owner shall designate a substitute registered design professional in responsible charge who shall perform the duties required of the original registered design professional in responsible charge. The building official shall be notified in writing by the owner if the registered design professional in responsible charge is changed or is unable to continue to perform the duties. The registered design professional in responsible charge shall be responsible for reviewing and coordinating submittal documents prepared by others, including phased and deferred submittal items, for compatibility with the design of the building.

L. Section R108.2 of the IRC is hereby amended to read as follows:

**R108.2 Payment of fees.** Fees for permits required hereby shall be assessed in accordance with the provisions of a fee schedule adopted by resolution of the City's governing body, as the same may from time to time be amended.

M. Section R108.5 of the IRC is amended to read as follows:

**R108.5 Refunds.** The building official may authorize refunding of any fee paid hereunder which was erroneously paid or collected. The building official may authorize refunding of not more than 80 percent of the permit fee paid when no work has been done under a permit issued in accordance with this code. The building official shall not authorize refunding of any fee paid except on written application filed by the original permittee not later than 180 days after the date of fee payment.

N. Section R109.1.2 of the IRC is amended to read as follows:

**R109.1.2 Plumbing, mechanical, gas and electrical systems inspection.** Rough inspection of plumbing, mechanical, gas and electrical systems shall be made prior to covering or concealment, before fixtures or appliances are set or installed, and prior to framing inspection.

O. Section R109.1.3 of the IRC is amended to read as follows:

**R109.1.3 Floodplain inspections.** Floodplain inspections shall be governed by the current City of Derby, Stormwater Management Department.

P. Section R112.2.2 of the IRC is hereby repealed.

Q. Section R113.4 of the IRC is amended to read as follows:

**R113.4 Penalties.** Any person or entity who violates a provision of this code; fails to comply with any of the requirements thereof; or erects, constructs, alters or repairs a building or structure in violation of the approved construction documents or a directive of the building official or of a permit or certificate issued under the provisions of this code shall be guilty of a class C violation, punishable by a fine of not more than five hundred dollars (\$500) or by imprisonment not exceeding thirty (30) days, or both such fine and imprisonment. Each day that a violation continues after due notice has been served shall be deemed a separate violation.

R. Section R301.1 of the IRC is amended to read as follows:

**R301.1 Application.** Buildings and structures, and all parts thereof, shall be constructed to safely support all loads, including dead loads, live loads, roof loads, flood loads, snow loads, wind loads and seismic loads as prescribe in Table 301.1 of this chapter or as otherwise prescribed in this code. The construction of buildings and structures in accordance with the provisions of this code shall result in a system that provides a complete load path that meets all requirements for the transfer of all loads from their

point of origin through the load-resisting elements to the foundation. Buildings and structures constructed as prescribed by this code are deemed to comply with the requirements of this section.

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

|                    |                     |
|--------------------|---------------------|
| Ground Snow Load   | 15 psf              |
| Wind Speed (mph)   | 76 w/90-3 sec. gust |
| Seis. Design Cat.  | A                   |
| Weathering         | Severe              |
| Frost Line Depth   | 24 inches           |
| Termite            | Moderate/Severe     |
| Winter Design Temp | 97.50% - 7          |
| Ice Barrier        | None Required       |

**Design Temperature Criteria**

|                     |                     |
|---------------------|---------------------|
| Air Freezing Temp   | 400                 |
| Mean Air Temp       | 55-60 degrees       |
| Summer              | 98 - 2.50% dry bulb |
| Winter              | 76 - 2.50% wet bulb |
| Heating Degree Days | 4,620               |

**Minimum Load Requirements**

|           |                   |                    |
|-----------|-------------------|--------------------|
| Dead Load | Roof – 10 lb. psf | Floor – 10 lb. psf |
| Live Load | Roof – 20 lb. psf | Floor – 40 lb. psf |

*\* For footnotes, refer to Table R301.2(1) of the 2012 International Residential Code*

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S. Section R301.1.1 of the IRC is amended to read as follows:

**R301.1.1 Alternative provisions.** As an alternative to the requirements in Section R301.1 the following standards are permitted subject to the limitations of this Code and the limitations therein. Where engineered design is used in conjunction with these standards the design shall comply with the International Building Code.

1. American Forest and Paper Association (AAF&PA) Wood Frame Construction Manual (WFCM).
2. American Iron and Steel Institute (AISI) Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings (COFS/PM) with Supplement to Standard for Cold-Formed Steel Framing - Prescriptive Method for One- and Two-Family Dwellings.
3. The Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

T. Section R301.5 of the IRC is amended to read as follows:

**R301.5 Live load.** The minimum uniformly distributed live load shall be as provided in Table R301.5.

TABLE R301.5 MINIMUM UNIFORMLY DISTRIBUTED LIVE LOADS

| USE  | LIVE LOADS (POUNDS PER SQUARE FOOT) |
|--|-------------------------------------|
| Attics with limited storage <sup>b, g, h</sup> | 20                                  |
| Attics without storage <sup>b</sup>            | 10                                  |
| Decks <sup>c</sup>                             | 40                                  |
| Exterior balconies                             | 60                                  |
| Fire escapes                                   | 40                                  |
| Guardrails and handrails <sup>d</sup>          | 200 <sup>1</sup>                    |
| Guardrails in-fill components <sup>f</sup>     | 50 <sup>1</sup>                     |
| Passenger vehicle garages <sup>a</sup>         | 50 <sup>a</sup>                     |
| Rooms other than sleeping rooms                | 40                                  |
| Sleeping rooms                                 | 40                                  |
| Stairs   | 40 <sup>c</sup>                     |

For SI: 1 pound per square foot = 0.0479 kN/m<sup>2</sup>, 1 square inch = 645 mm<sup>2</sup>, 1 pound = 4.45 N.

- f. Elevated garage floors shall be capable of supporting a 2,000-pound load applied over a 20-square-inch area.

- g. Attics without storage are those where the maximum clear height between joist and rafter is less than 42 inches, or where there are not two or more adjacent trusses with the same web configuration capable of containing a rectangle 42 inches high by 2 feet wide, or greater, located within the plane of the truss. For attics without storage, this live load need not be assumed to act concurrently with any other live load requirements.
- h. Individual stair treads shall be designed for the uniformly distributed live load or a 300-pound concentrated load acting over an area of 4 square inches, whichever produces the greater stresses.
- i. A single concentrated load applied in any direction at any point along the top.
- j. See Section R502.2.1 for decks attached to exterior walls.
- f. Guard in-fill components (all those except the handrail), balusters and panel fillers shall be designed to withstand a horizontally applied normal load of 50 pounds on an area equal to 1square foot. This load need not be assumed to act concurrently with any other live load requirement.
- g. For attics with limited storage and constructed with trusses, this live load need be applied only to those portions of the bottom chord where there are two or more adjacent trusses with the same web configuration capable of containing a rectangle 42 inches high or greater by 2 feet wide or greater, located within the plane of the truss. The rectangle shall fit between the top of the bottom chord and the bottom of any other truss member, provided that each of the following criteria is met:
  - 1. The attic area is accessible by a pull-down stairway or framed opening in accordance with Section R807.1; and
  - 2. The truss has a bottom chord pitch less than 2:12.
- h. Attic spaces served by a fixed stair shall be designed to support the minimum live load specified for sleeping rooms.
- i. Glazing used in handrail assemblies and guards shall be designed with a safety factor of 4. The safety factor shall be applied to each of the concentrated loads applied to the top of the rail, and to the load on the in-fill components. These loads shall be determined independent of one another, and loads are assumed not to occur with any other live load.

U. New section R301.5 of the IRC is hereby adopted to read as follows:

**R301.5 Three & Four-family dwellings.** Dwelling units in three- & four- family dwellings shall be separated from each other by wall having not less than a 2-hour fire-resistance rating. Fire-resistance-rated floor/ceiling and wall assemblies shall extend to and be tight against an exterior wall, and wall assemblies shall extend from the foundation to the underside of the roof sheathing. The roof shall be a minimum of class C roof covering, and the roof decking or sheathing shall be of noncombustible materials or approved fire-retardant-treated wood for a minimum distance of two feet from the center of the wall. There shall be no penetrations through this area of the roof deck or sheathing.

**Exception:** Where buildings, or portions thereof, are arranged above or below adjacent units, an automatic sprinkler system shall be provided throughout all units

V. Section R303.1 of the IRC is amended to read 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. In addition, in new dwellings and additions to existing one and two family dwellings where a new separate heating and/or cooling system is being added to serve, but not necessarily limited to only serve the new addition, an outside air duct shall be connected to the main return air duct, prior to the filter, of each heating and/or cooling system for the habitable space served. Duct size shall be based on the square footage of habitable space served as follows:

- |                                 |                                |
|---------------------------------|--------------------------------|
| 1. 1,500 sq.ft. or less         | 4 inch diameter or 12.6 sq.in. |
| 2. 1,501 sq.ft. to 2,000 sq.ft. | 5 inch diameter or 19.6 sq.in. |
| 3. 2,001 sq.ft. and larger      | 6 inch diameter or 28.3 sq.in. |

All areas listed exclude finished basement area. The outside air duct shall be provided with a .25 inch mesh inlet screen. The outside air duct shall not draw air from contaminated sources.

**Exceptions:**

1. The glazed areas need not be openable where the opening is not required by Section R310 and an approved mechanical ventilation system capable of producing 0.35 air change per hour in the room is installed or a whole-house mechanical ventilation system is installed capable of supplying outdoor ventilation air of 15 cubic feet per minute (cfm) (78 L/s) per occupant computed on the basis of two occupants for the first bedroom and one occupant for each additional bedroom.
2. The glazed areas need not be installed in rooms where Exception 1 above is satisfied and artificial light is provided capable of producing an average illumination of 6 foot-candles (65 lux) over the area of the room at a height of 30 inches (762 mm) above the floor level.
3. Use of sunroom additions and patio covers, as defined in Section R202, shall be permitted for natural ventilation if in excess of 40 percent of the exterior sunroom walls are open, or are enclosed only by insect screening.

W. Section R303.3 of the IRC is amended to read as follows:

**R303.3 Bathrooms.** Bathrooms, water closet compartments and other similar rooms shall be provided with aggregate glazing area in windows of not less than 3 (0.3 m<sup>2</sup>) square feet, one-half of which must be openable.

**Exception:** The glazed areas shall not be required where artificial light and a mechanical ventilation system are provided. The minimum ventilation rates shall be 50 cubic feet per minute (24 L/s) for intermittent ventilation or 20 cubic feet per minute (10 L/s) for continuous ventilation. Ventilation air from the space shall be exhausted directly to the outside or into a properly ventilated attic when all of the following are met:

1. The duct(s) conveying exhaust into the attic shall terminate a minimum of 36 inches above the top of the ceiling framing members, and shall not discharge upon any building element.
2. Attics into which bath and/or toilet room exhausts are discharged must be properly ventilated, in accordance with Section R806, and shall not discharge into an unvented attic assembly.
3. The exhaust duct(s) shall terminate above the top of the attic insulation with a "goose-neck" installed to prevent infiltration of insulating material into the duct.
4. Exhaust duct(s) run above the insulation inside of attics, with a developed length greater than 5 feet, shall be insulated.

X. Section R308.4 of the IRC is amended to read as follows:

**R308.4 Hazardous locations.** The following shall be considered specific hazardous locations for the purposes of glazing:

1. Glazing in swinging doors except jalousies.
2. Glazing in fixed and sliding panels of sliding door assemblies and panels in sliding and bifold closet door assemblies.
3. Glazing in storm doors.
4. Glazing in all unframed swinging doors.
5. Glazing in doors and enclosures for hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers. Glazing in any part of a building wall enclosing these compartments where the bottom exposed edge of the glazing is less than 60 inches (1524 mm) measured vertically above any standing or walking surface.
6. Glazing, in an individual fixed or operable panel adjacent to a door where the nearest vertical edge is within a 12-inch (304.8 mm) arc of the door in a closed position and whose bottom edge is less than 60 inches (1524 mm) above the floor or walking surface.
7. Glazing in an individual fixed or operable panel, other than those locations described in Items 5 and 6 above, that meets all of the following conditions:
  - 7.1. Exposed area of an individual pane larger than 9 square feet (0.836 m<sup>2</sup>).
  - 7.2. Bottom edge less than 10 inches (254 mm) above the floor.
  - 7.3. Top edge more than 36 inches (914 mm) above the floor.
  - 7.4. One or more walking surfaces within 36 inches (914 mm) horizontally of the glazing.
8. All glazing in railings regardless of an area or height above a walking surface. Included are structural baluster panels and nonstructural infill panels.
9. Glazing in walls and fences enclosing indoor and outdoor swimming pools, hot tubs and spas where the bottom edge of the glazing is less than 60 inches (1524 mm)

above a walking surface and within 60 inches (1524 mm) horizontally of the water's edge. This shall apply to single glazing and all panes in multiple glazing.

10. Glazing adjacent to stairways, landings and ramps within 36 inches (914 mm) horizontally of a walking surface when the exposed surface of the glass is less than 60 inches (1524 mm) above the plane of the adjacent walking surface.
11. Glazing adjacent to stairways within 60 inches (1524 mm) horizontally of the bottom tread of a stairway in any direction when the exposed surface of the glass is less than 60 inches (1524 mm) above the nose of the tread.

**Exception:** The following products, materials and uses are exempt from the above hazardous locations:

1. Openings in doors through which a 3-inch (76 mm) sphere is unable to pass.
2. Decorative glass in Items 1, 6 or 7.
3. Glazing in Section R308.4, Item 6, when there is an intervening wall or other permanent barrier between the door and the glazing.
4. Glazing in Section R308.4, Item 6, in walls perpendicular to the plane of the door in a closed position, other than the wall toward which the door swings when opened, or where access through the door is to a closet or storage area 3 feet (914 mm) or less in depth. Glazing in these applications shall comply with Section R308.4, Item 7.
5. Glazing in Section R308.4, Items 7 and 10, when a protective bar is installed on the accessible side(s) of the glazing 36 inches  $\pm$  2 inches (914 mm  $\pm$  51 mm) above the floor. The bar shall be capable of withstanding a horizontal load of 50 pounds per linear foot (730 N/m) without contacting the glass and be a minimum of 1 1/2 inches (38 mm) in height.
6. Outboard panes in insulating glass units and other multiple glazed panels in Section R308.4, Item 7, when the bottom edge of the glass is 25 feet (7620 mm) or more above grade, a roof, walking surfaces, or other horizontal [within 45 degrees (0.79 rad) of horizontal] surface adjacent to the glass exterior.
7. Louvered windows and жалюзи complying with the requirements of Section R308.2.
8. Mirrors and other glass panels mounted or hung on a surface that provides a continuous backing support.
9. Safety glazing in Section R308.4, Items 10 and 11, is not required where:
  - 9.1. The side of a stairway, landing or ramp has a guardrail or handrail, including balusters or in-fill panels, complying with the provisions of Sections 1013 and 1607.7 of the *International Building Code*; and
  - 9.2. The plane of the glass is more than 18 inches (457 mm) from the railing; or
  - 9.3. When a solid wall or panel extends from the plane of the adjacent walking surface to 34 inches (863 mm) to 36 inches (914 mm) above the floor and the construction at the top of that wall or panel is capable of withstanding the same horizontal load as the protective bar.
10. Glass block panels complying with Section R610.
11. Windows in walls adjacent to bathtubs may be protected by an approved safety film installed by certified installers in accordance with the manufacturer's specifications.

Y. Section R309.5 of the IRC is hereby deleted.

Z. Section R310.1.1 of the IRC is amended to read as follows:

**R310.1.1 Minimum opening area.** All emergency escape and rescue openings shall have a minimum net clear opening of 4.5 square feet (0.418 m<sup>2</sup>) with the window in an open position, with a total break-out area of 5.7 square feet. The minimum net opening area shall be maintained for access to a public right of way, yard or court.

AB. Section R310.1.2 of the IRC is amended to read as follows:

**R310.1.2 Minimum opening height.** The minimum net clear opening height shall be:

1. Nineteen and three-quarters (19.75) inches (501.65 mm) plus or minus one-quarter (.25) inch for single, double hung and awning style windows.
2. For all other types of windows the minimum height shall be determined by multiplying the width times the height to achieve a total net clear opening of 4.5 square feet ( 0.418 m<sup>2</sup>) with a total break-out area of 5.7 square feet (0.530 m<sup>2</sup>).

AB. Section R310.1.3 of the IRC is amended to read as follows:

**R310.1.3 Minimum opening width.** The minimum net clear opening width shall be:

1. 17 inches (431.8 mm) plus or minus 0.25 inch in the open position for casement and slider windows.
2. 30.25 inches (768.35 mm) plus or minus 0.25 inch for single and double hung units.

AC. Section R310.2.1 of the IRC is amended to read as follows:

**R310.2.1 Ladder and Steps.** Window wells with a vertical depth greater than 44 inches (1118 mm) shall be equipped with a permanently affixed ladder or steps usable with the window in the fully open position. Ladders or steps required by this section shall not be required to comply with Sections R311.7 and R311.8. Ladders or rungs shall:

1. Have an inside width of at least 12 inches (304.8 mm);
2. Project at least 3 inches (76.2 mm) from the back of the rung to the wall;
3. Have at least 1.5 inches (38.1 mm) clearance between the rung and wall; and
4. Be spaced not more than 18 inches (457.2 mm) on center vertically for the full height of the window well.

Window wells with a vertical depth of more than 30 inches (762 mm) shall be provided with guardrails that are designed in accordance with Section R312, or a 114 protective cover designed to a minimum of 20 pounds per square foot (0.96 KN per m<sup>2</sup> ) uniformly distributed live load. Window well covers shall be provided with an emergency egress hatch located above the ladder or steps, with the minimum egress opening maintained.

The force required to open the egress hatch shall not exceed 30 pounds (133.45 N) and shall not require the use of keys, more than one operation, or any special knowledge or effort. Window well covers, grates, and guardrails shall be constructed of materials approved for exterior use.

AD. New section R310.2.2 of the IRC is hereby adopted to read as follows:

**R310.2.2 Drainage.** Window wells shall be designed for proper drainage by connecting to the existing foundation drainage system required by Section R405.1 or by an approved alternative method. If no existing foundation drainage system has been installed, the entire window well area shall have a minimum depth of 12" of washed gravel or crushed rock below the floor level.

**Exception:** A drainage system for window wells is not required when the foundation is on well-drained soil or sand-gravel mixture soils according to the U.S. Soil Classification System, Group I Soils, as detailed in Table 405.1.

AE. Section R311.3.1 of the IRC is hereby amended to read as follows:

**R311.3.1 Floor elevations at the required egress doors.** The floor or landing at the exterior door shall not be more than 1.5 inches (38 mm) lower than the top of the threshold. The landing shall be permitted to have a slope not to exceed 0.25 unit vertical in 12 units horizontal (2-percent).

**Exceptions:** The exterior landing at an exterior doorway shall not be more than 8 (203 mm) inches below the top of the threshold, provided that the door, other than an exterior storm or screen door, does not swing over the landing.

AF. Section R311.3.2 of the IRC is hereby amended to read as follows:

**R311.3.2 Floor elevations for other exterior doors.** Doors other than the required egress door shall be provided with landings or floors not more than 8 inches below the top of the threshold.

**Exception:** A landing is not required where a stairway of four or fewer risers is located on the door, provided the door does not swing over the stairway.

AG. Section R311.7.5.1 of the IRC is amended to read as follows:

**R311.7.5.1 Riser height.** The maximum riser height shall be 8 inches (203.2 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).

AH. Section R311.7.5.2 of the IRC is amended to read as follows:

**R311.7.5.2 Tread depth.** The minimum tread depth shall be 9 inches (228.6 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. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch (9.5 mm).

AI. Section R311.7.5.2.1 of the IRC is amended to read as follows

**R311.7.5.2.1 Winder and Circular Treads.** Winder and circular treads shall have a minimum tread depth of 9 inches (228.6 mm) measured as above at a point 12 inches (305 mm) from the side where the treads are narrower. Winder and circular treads shall have a minimum tread depth of 6 inches (152 mm) at any point. Within any flight of stairs, the largest winder or circular tread depth at the 12 inch (305 mm) walk line shall not exceed the smallest by more than 3/8 inch (9.5 mm).

AJ. Section R311.7.8.1 of the IRC is amended to read as follows:

**R311.7.8.1 Height.** Handrail height, measured vertically from the sloped plane adjoining the tread nosing, or finish surface of ramp slope, shall be not less than 32 inches (812.8 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, transitions at winder treads, 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.

AK. Section R311.7.8.2 of the IRC is amended to read as follows:

**R311.7.8.2 Continuity.** Handrails for stairways shall be continuous for the full length of the flight, from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight. Handrail ends shall be returned or shall terminate in newel posts or safety terminals at the top of each flight of stairs. Handrails adjacent to a wall shall have a space of not less than 1 1/4 inch (32.5 mm) between the wall and the handrails.

The graspable portion of the handrail may not end up completely continuous from the top riser to the bottom riser. The rail shall return to the wall.

**Exceptions:**

1. Handrails shall be permitted to be interrupted by a newel post at the turn.

2. The use of a volute, turnout, starting easing or starting newel shall be allowed over the lowest tread.

AL. Section R311.7.8.3 of the IRC is amended to read as follows:

**R311.7.8.3 Handrail grip size.** All required handrails shall be of one of the following types or provide equivalent graspability.

1. Type I. Handrails with a circular cross section shall have an outside diameter of at least 1 1/4 inches (32 mm) and not greater than 2 inches (51 mm). If the handrail is not circular it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6 1/4 inches (160 mm) with a maximum cross section of dimension of 2 1/4 inches (57 mm).
2. Type II. Handrails with a perimeter greater than 6 1/4 inches (160 mm) shall provide a graspable finger recess area on both sides of the profile. The finger recess shall begin within a distance of 3/4 inch (19mm) measured vertically from the tallest portion of the profile and achieve a depth of at least 5/16 inch (8 mm) within 7/8 inch (22 mm) below the widest portion of the profile. This required depth shall continue for at least 3/8 inch (9.5 mm) to a level that is not less than 1 3/4 inches (45 mm) below the tallest portion of the profile. The minimum width of the handrail above the recess shall be 1 1/4 inches (32 mm) to a maximum of 2 3/4 inches (70 mm). Edges shall have a minimum radius of 0.01 inch (0.25 mm).

AM. Section R311.6.3.1 of the IRC is amended to read as follows:

**R311.8.3.1 Height.** Handrail height, measured above the finished surface of the ramp slope, shall be not less than 32 inches (812.8 mm) and not more than 38 inches (965 mm).

AN. Section R311.6.3.3 of the IRC is amended to read as follows:

**R311.8.3.3 Continuity.** Handrails where required on ramps shall be continuous for the full length of the ramp. Handrail ends shall be returned or shall terminate in newel posts or safety terminals. Handrails adjacent to a wall shall have a space of not less than 1 1/4 inches (38 mm) between the wall and the handrails.

AO. Section R312.1.3 of the IRC is amended to read as follows:

**R312.1.3 Guard opening limitations.** Required guards on open sides of stairways, raised floor areas, balconies and porches shall have intermediate rails or ornamental closures which do not allow passage of a sphere 4 1/2 inches (114.3 mm) or more in diameter. Required guards shall not be constructed with horizontal rails or other ornamental pattern that results in a ladder effect.

**Exceptions:**

1. The triangular openings formed by the riser, tread and bottom rail of a guard at the open side of a stairway are permitted to be of such a size that a sphere 6 inches (152 mm) cannot pass through.
2. Openings for required guards on the sides of stair treads shall not allow sphere 4 ½ inches 117 (114.3 mm) to pass through.

AP. Section R312.2 of the IRC is hereby deleted in its entirety

AQ. Section R313 of the IRC is hereby deleted in its entirety

AR. Section R314.3 of the IRC is amended to read as follows:

**R314.3 Location.** Smoke alarms shall be installed in the following locations:

1. In each sleeping room;
2. Outside each separate sleeping area at a location approved by the code official; provided, that no such smoke alarm shall be required to be installed within six (6) feet of a smoke alarm located in a bedroom; and
3. On each additional story of the dwelling, including basements but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level; provided, that the lower level is less than one full story below the upper level.

AS. Section R315.1 of the IRC is amended to read as follows:

**R315.1 Carbon monoxide alarms.** For new construction, an approved carbon monoxide alarm shall be installed in dwelling units within which fuel-fired appliances are installed and in dwellings units that have attached garages in the following locations:

1. Outside each sleeping room in the immediate vicinity of the bedrooms.
2. On each additional story of the dwelling, including basements in the immediate vicinity of the bedrooms or mechanical rooms.

AT. Section R315.3 of the IRC is hereby deleted in its entirety

AU. Section R317.1 of the IRC is amended to read as follows:

**R317.1 Location required.** Protection from decay shall be provided in the following locations by the use of naturally durable wood or wood that is preservative treated in accordance with AWP A U1 for the species, product, preservative and end use. Preservatives shall be listed in Section 4 of AWP A U1.

1. Wood joists or the bottom of a wood structural floor when closer than 18 inches (457 mm) or wood girders when closer than 12 inches (305 mm) to the exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation.
2. All wood framing members that rest on concrete or masonry exterior foundation walls and are less than 6 inches (152.4 mm) from the exposed ground.
3. Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier.
4. The ends of wood girders entering exterior masonry or concrete walls having clearances of less than 0.5 inch (12.7 mm) on tops, sides and ends.
5. Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches (152 mm) from the ground.
6. Wood structural members supporting moisture-permeable floors or roofs that are exposed to the weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier.

AV. Section R318.1.1 of the IRC is hereby deleted.

AW. Section R318.1.2 of the IRC is hereby deleted.

AX. Section R322 of the IRC is hereby deleted in its entirety.

AY. Section R401.4 of the IRC is hereby amended to read as follows:

**R401.4 Soil Tests.** In areas likely to have expansive, compressible, shifting or other unknown soil characteristics, the building official shall determine whether to require a soil test to determine the soil's characteristics at a particular location. This test shall be made by an approved agency using an approved method. For construction of one and two family dwelling habitable spaces, a soil test/analysis shall be submitted prior to issuance of a building permit in accordance with the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011). Soil analysis and/or testing shall be verified and/or certified by the building permit applicant and the approved testing agency in a form approved by the building official.

AZ. Section R403.1 of the IRC is hereby amended to read as follows:

**R403.1 General.** All exterior walls shall be supported on continuous solid or fully grouted masonry or concrete footings, wood foundations, or other approved structural systems which shall be of sufficient design to accommodate all loads according to Section R301 and to transmit the resulting loads to the soil within the limitations as determined from the character of the soil. Footings shall be supported on undisturbed natural soils or engineered fill. The building official is hereby authorized to require an inspection and test of soils to determine the plasticity index thereof for structures build on a slab-on-grade foundation. The inspection is to be performed after footings are dug and before reinforcing steel is placed in the footing.

BA. Section R403.1.1 of the IRC is hereby amended to read as follows:

**R403.1.1 Minimum size.** Minimum sizes for concrete and masonry footings shall be as set forth in Table R403.1 and Figure R403.1(1). For construction of one and two family dwelling habitable spaces, the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011) shall apply.

The footing width, *W*, shall be based on the load-bearing value of the soil in accordance with Table R401.4.1. Spread footings shall be at least 6 inches (152 mm) thick. Footing projections, *P*, shall be at least 2 inches (51 mm) and shall not exceed the thickness of the footing. The size of footings supporting piers and columns shall be based on the tributary load and allowable soil pressure in accordance with Table R401.4.1. Footings for wood foundations shall be in accordance with the details set forth in Section R403.2, and Figures R403.1(2) and R403.1(3).

BB. Section R403.1.3.1 of the IRC is hereby deleted.

BC. Section R403.1.3.2 of the IRC is hereby amended to read as follows:

**R403.1.3.2 Slabs-on-grade with turned-down footings and slabs-on-grade cast monolithically with a footing.** For slabs-on-grade with turned-down footings and slabs-on-grade cast monolithically with a footing, construction of one and two family dwelling habitable spaces shall comply with the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

BD. Section R403.1.4 of the IRC is hereby amended to read as follows:

**R403.1.4 Minimum depth.** All exterior footings shall be placed at least 24 inches (610 mm) below the undisturbed ground surface. For construction of one and two family dwelling habitable spaces, the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011) shall apply. Where applicable, the depth of footings shall also conform to Sections R403.1.4.1 through R403.1.4.2.

BE. Section R403.1.4.1 of the IRC is hereby amended to read as follows:

**R403.1.4.1 Frost protection.** Except where otherwise protected from frost, foundation walls, piers and other permanent supports of buildings and structures shall be protected from frost by one or more of the following methods:

1. Extended below the frost line specified in Table R301.2.(1), per amended Table footnote "b." and the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011);
2. Constructing in accordance with Section R403.3;
3. Constructing in accordance with ASCE 32; or
4. Erected on solid Rock

**Exceptions:**

1. Protection of freestanding accessory structures with an area of 400 square feet (36.2 m<sup>2</sup>) or less, of light-framed construction, with an eave height of 10 feet (3048 mm) or less shall not be required.
2. Protection of freestanding accessory structures with an area of 400 square feet (36.2 m<sup>2</sup>) or less, of other than light-framed construction, with an eave height of 10 feet (3048 mm) or less shall not be required.

Footings shall not bear on frozen soil. Frost depth in Derby is 24 inches.

BF. Section R403.1.8 of the IRC is hereby amended to read as follows:

**R403.1.8 Foundations on expansive soils.** Foundations and floor slabs for buildings located on expansive soils shall be designed in accordance with Section 1805.8 of *the International Building Code* or as specified in the Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings (August 30, 2011).

BG. Section 403.8.1 of the IRC is hereby deleted.

BH. Section R404.1 of the IRC is hereby amended to read as follows:

**R404.1 Concrete and masonry foundation walls.** Concrete masonry and clay masonry foundation walls shall be constructed in accordance with the provisions of Section R404 or in accordance with ACI 318, ACI 332, and NCMATR68-A or ACI 530/ASCE 5/TMS 402 or other approved structural standards. The Wichita Foundation, Basement and Slab-on-Grade for One and Two Family Dwellings (August 30, 2011) may be used to comply with the requirements of this section, but do not preclude the right of the building official to require a footing/foundation to be designed by a Kansas licensed architect or engineer.

Pre-engineered foundation wall systems such as insulated concrete forms (ICF walls) shall be installed to comply with the manufacturer's specifications or with architect or

engineer requirements. All specifications or design documents shall be on site for each required inspection.

When ACI 318, ACI 332 or ACI 530/ASCE5/TMS402 or the provisions of Section R404 are used to design concrete or masonry foundation walls, project drawings, typical details and specifications are not required to bear the seal of the architect or engineer responsible for design unless otherwise require by state law.

Foundation walls that meet all of the following shall be considered laterally supported:

1. Full basement floor shall be a minimum 3.5 inches (89 mm) thick concrete slab poured tight against the bottom of the foundation wall.
2. Floor joists and blocking shall be connected to the sill plate at the top of wall by the prescriptive method called out in Table R404.1(1), or; shall be connected with an approved connector with listed capacity meeting Table R404.1(1).
3. Bolt spacing for the sill plate shall be no greater than per Table R404.1(2).
4. Floor shall be blocked perpendicular to the floor joists. Blocking shall be full depth within two joist spaces of the foundation wall, and be flat-blocked with minimum 2-inch by 4-inch (51mm by 102mm) blocking elsewhere.
5. Where foundation walls support unbalanced load on opposite sides of the building, such as a daylight basement, the building aspect ratio,  $L/W$ , shall not exceed the value specified in Table R404.1(3). For such foundation walls, the rim board shall be attached to the sill with a 20 gage metal angle clip at 24 inches (610 mm) on center, with five 8d nails per leg, or an approved connector supplying 230 pounds per linear foot (3.36 kN/m) capacity.

BI. Section R404.1.2 of the IRC is hereby deleted.

BJ. Table R404.1.2(8) of the IRC is hereby deleted.

BK. Section R405.1. of the IRC is hereby deleted:

BL. Section R506.2.2 of the IRC is hereby deleted:

BM. Section R507 of the IRC is hereby amended to read as follow:

**R507 Decks.** The "City of Wichita Standard for Residential Wood Framed Decks" may be used to design and construct decks to comply with the requirements of this section. Decks which fall outside of the scope of the standard will require design by a Kansas licensed architect or engineer. Where supported by attachment to an exterior wall, decks

shall be positively anchored to the primary structure and designed for both vertical and lateral loads as applicable. Such attachment shall not be accomplished by the use of toenails or nails subject to withdrawal. Where positive connection to the primary building structure cannot be verified during inspection, decks shall be self-supporting. For decks with cantilevered framing members, connections to exterior walls or other framing members, shall be designed and constructed to resist uplift resulting from the full live load specified in Table R301.5 acting on the cantilevered portion of the deck.

BN. Section R602.10 of the IRC is amended to read as follows:

**R602.10 Wall bracing.** All exterior walls shall be braced in accordance with this section. In addition, interior braced wall lines shall be provided in accordance with Section R602.10.1.1. For buildings in Seismic Design Categories D0, D1 and D2, walls shall be constructed in accordance with the additional requirements of Sections R602.10.9, R602.10.11, and R602.11. In addition, the following methods of shear wall bracing are acceptable:

1. Method stated in "Standards for Bracing of Wall Sections in Residential Homes" as published by City of Wichita - February 1, 2007.
2. Method stamped by a Kansas Licensed Structural Engineer.

BO. Section R702.4.2 of the IRC is amended to read as follows:

**R702.4.2 Cement, fiber-cement and glass mat gypsum backers.** Cement, fiber-cement or glass mat gypsum backers in compliance with ASTM C 1288, C 1325 or C 1178 and installed in accordance with manufacturers' recommendations shall be used as backers for wall tile in tub areas and wall panels in shower areas.

**Exception:** Combination tub/showers, and showers of one piece fiberglass construction.

BP. Section R703.3.1 of the IRC is amended to read as follows:

**R703.3.1 Panel siding.** Joints in wood, hardboard or wood structural panel siding shall be made as follows unless otherwise approved. Vertical joints in panel siding shall occur over framing members, unless wood or wood structural panel sheathing is used, and shall be shiplapped or covered with a batten. Horizontal joints in panel siding shall be lapped a minimum of 1 inch (25mm) or shall be shiplapped or shall be flashed with Z-flashing and occur over solid blocking, wood or wood structural panel sheathing. All habitable structures shall have an approved sheathing attached to framing members.

BQ. Section R703.7.4.1 of the IRC is amended to read as follows:

**R703.7.4.1 Size and spacing.** Veneer ties, if strand wire, shall not be less in thickness than No. 9 U.S. gage [(0.148 in.) (4 mm)] wire and shall have a hook embedded in the mortar joint, or if sheet metal, shall be not less than No. 26 [(0.0245 in.)(0.62 mm)] U.S. gage by 7/8 inch (22 mm) corrugated. Each tie shall be spaced not more than 16 (406 mm) inches on center horizontally and vertically and shall support not more than 1.96 (0.19 m<sup>2</sup>) square feet of wall area. When stud spacing is 24 (610 mm) inches on center, ties may be spaced 24 inches (610 mm) on center to match stud spacing (maximum 1.96 (0.19 m<sup>2</sup>) square feet still required). All ties shall be attached to a stud.

**Exception:** In Seismic Design Category D0, D1 or D2 or townhouses in Seismic Design Category C or in wind areas of more than 30 pounds per square foot pressure (1.44 kPa), each tie shall support not more than 2 square feet (0.2 m<sup>2</sup>) of wall area.

BR. Section R807.1 of the IRC is amended to read as follows:

**R807.1 Attic access.** Buildings with combustible ceiling or roof construction shall have an attic access opening to attic areas that exceed 120 square feet (11.15 m<sup>2</sup>) and have a vertical height of 30 inches (762 mm) or more. The rough-framed opening shall not be less than 22 inches by 30 inches (559 mm by 762 mm) and shall be located in a readily accessible location or in an area that maintains a clear unobstructed area 22 inches by 30 inches from the attic access opening to the floor above. A 30-inch (762 mm) minimum unobstructed headroom in the attic space shall be provided at some point above the access opening.

BS. Section R907.3 of the IRC is amended to read as follows:

**R907.3 Re-covering versus replacement.** New roof coverings shall not be installed without first removing all existing layers of roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water-soaked or has deteriorated to the point that the existing roof or roof covering is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay, and cement or asbestos-cement tile.
3. Where the existing roof has two or more applications of any type of roof covering.

**Exceptions:**

1. Complete and separate roofing systems, such as standing-seam metal roof systems, that are designed to transmit the roof loads directly to the building's structural system and that do not rely on existing roofs and roof coverings for support, shall not require the removal of existing roof coverings.

2. Installation of metal panel, metal shingle, and concrete and clay tile roof coverings over existing wood shake roofs shall be permitted when the application is in accordance with Section R907.4.

3. The application of new protective coating over existing spray polyurethane foam roofing systems shall be permitted without tear-off of existing roof coverings.

BT. Chapters 11 through 43, inclusive, of the IRC are hereby deleted.

**15.44.030 - Adoption of Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings.**

The model code titled *Wichita Foundation, Basement and Slab-on-Grade Standards for One and Two Family Dwellings* (August 30, 2011) is hereby incorporated herein and adopted by reference with this ordinance of the City of Derby, Kansas, except as specific provisions thereof are hereby amended or repealed; provided, that all references therein to the City of Wichita shall be deemed amended to refer to the City of Derby. One or more copies of said model code shall be marked or stamped "Official Copy," with all deleted or amended sections or portions thereof clearly marked, and to which shall be attached a copy of this ordinance. Such copy or copies shall be filed with the City Clerk and shall be open and available for public inspection at all reasonable hours.

**15.44.040 - Adoption of City of Wichita Standard for Residential Wood Framed Decks.**

The *City of Wichita Standard for Residential Wood Framed Decks* (the "Wichita Standard"), dated November 1, 2010, inclusive of the *Prescriptive Residential Wood Deck Construction Guide* (AWC DCA6-09) incorporated therein by reference and such amendments to AWC DCA6-09 as are incorporated in the Wichita Standard, is hereby incorporated herein and adopted by reference with this ordinance of the City of Derby, Kansas, except as specific provisions thereof are hereby amended or repealed; provided, that all references therein to the City of Wichita shall be deemed amended to refer to the City of Derby. One or more copies of the Wichita Standard shall be marked or stamped "Official Copy," with all deleted or amended sections or portions thereof clearly marked, and to which shall be attached a copy of this ordinance. Such copy or copies shall be filed with the City Clerk and shall be open and available for public inspection at all reasonable hours.

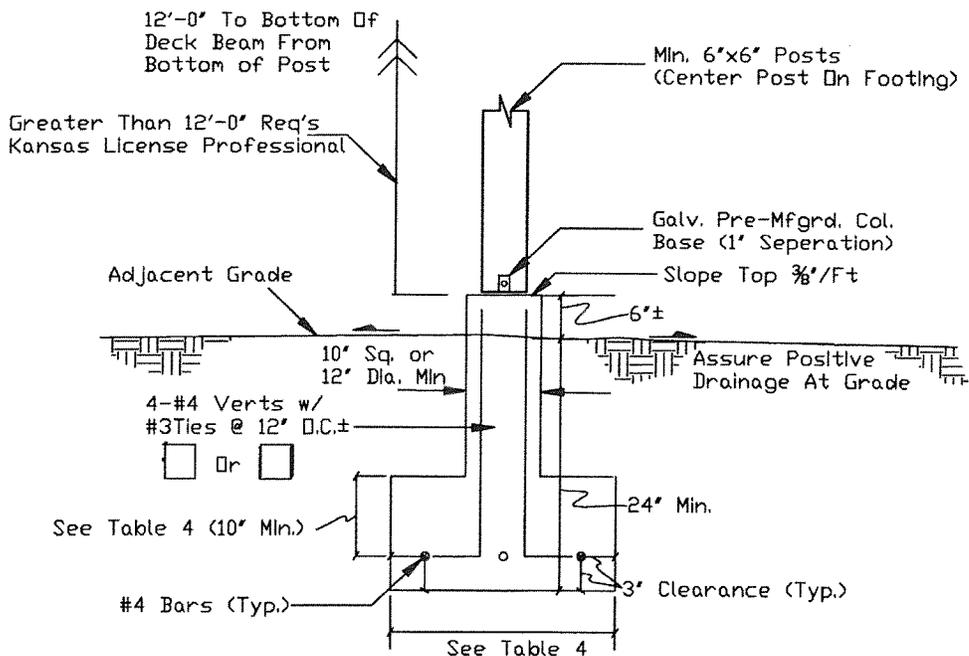
**15.44.050 - Amendments to the City of Wichita Standard for Residential Wood Framed Decks.**

The City of Wichita Standard for Residential Wood Framed Decks, adopted by reference in Section 15.44.040 of this Code, is hereby amended as hereinafter set forth:

- A. Figure 12 on page 4 of the City of Wichita Standard for Residential Wood Framed Decks is replaced with Figure 12 below:

Figure 12  
City of Derby Deck, Footing & Post Standard

Posts may be buried or anchored in concrete if treated with preservative to International Code Council (ICC) approved standards for in ground contact, all others shall be placed above ground on concrete footings or piers; and shall be attached by approved post base anchors or other method designed and sealed by a Kansas licensed professional. The top of the footing shall extend above finished grade by a minimum of 6 inches.



Note: Footing May Be Incorporated Into Concrete Slab With A Minimum 1" Separation Between Bottom of Post And Slab.

\* Complete deck standards document is available for review at the office of the Building Trades Official, Derby City Hall, 611 N Mulberry, Suite 300, Derby, Kansas 67037

**Section 2. Invalidity of a Part**

Should any section, clause, sentence, or phrase of this ordinance be found to be unconstitutional or is otherwise held invalid by any court of competent jurisdiction, such invalidity shall not affect the validity of any remaining provisions herein.

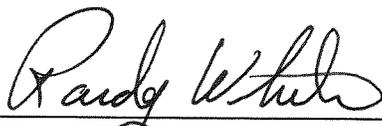
**Section 3. Repeal**

The original of Chapter 15.44 of the Derby Municipal Code is hereby repealed. All other provisions of the Municipal Code of the City of Derby, Kansas shall remain in full force and effect except as specifically amended herein. All other ordinances or parts of other ordinances in conflict herewith are repealed. However, any section of an existing ordinance not in conflict herewith is not repealed and remains in full force and effect.

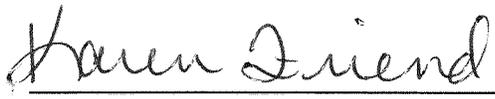
**Section 4.**     Effective Date

This Ordinance shall take effect and be in force from and after its passage and publication of the ordinance or a summary thereof once in the City's official newspaper as provided by State law.

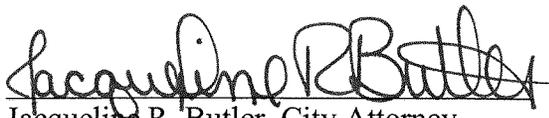
**PASSED** by the City Council on the 8<sup>th</sup> day of December, 2015, and **SIGNED** by the Mayor.

  
\_\_\_\_\_  
Randy White, Mayor

ATTEST:

  
\_\_\_\_\_  
Karen Friend, City Clerk

Approved as to form:

  
\_\_\_\_\_  
Jacqueline R. Butler, City Attorney