

2018 Kentucky Ice Barrier Code Requirement

- 1. The Law.** Please find the attached letter from Dana Tinsley, Louisville Codes and regulation, Level 11 Building Inspector, stating Kentucky is enforcing 2015 IRC with 2018 Kentucky Amendments.
Additionally, see attached Kentucky Building Code **R015.2 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.....
- 2. Which Law?** See attached 2015 IRC **R905.1.2 Ice barriers.** In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in **Table R301.2(1)**, an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate type shingles, wood shingles and wood shakes.....
- 3. What does Table R302.2(1) say?** The referenced table is to be completed by the local (county) agency. The county completes the table. See the attached **Table R302.2(1)**. Notice the arrows pointing to the ice barrier requirement. Also notice the City of Louisville Seal in the lower right-hand corner. Proves adoption and requirement of an ice shield.
- 4. How is it to be applied?** Please see the attached **2015 IRC R903.1 General.** Roof decks shall be covered with *approved* roof coverings secured to the building or structure in accordance with the provisions of this chapter. Roof assemblies shall be designed and installed in accordance with this code and the *approved* manufacturer's instructions such that the roof assembly shall serve to protect the building or structure.
- 5. Manufacturer's Instructions.** Please find the attached Owens Corning Installation requirements for Ice & Water shield.

If further confirmation of this code is required please call the following

Metro Louisville Department of Codes and Regulation
Manuel Odum
Plan Reviewer, Construction Review
Metro Development Center
Manuel.Odum@LouisvilleKy.gov
502.574.3596

Metro Louisville Department of Codes and Regulation
Dana Tinsley
Construction Review
Level 11 Building Inspector
Dana.Tinsley@louisvilleky.gov
502.574.8295



Dennis Sawyer <depsaw@gmail.com>

2015 IRC

Tinsley, Dana <Dana.Tinsley@louisvilleky.gov>
To: Dennis Sawyer <depsaw@gmail.com>

Tue, Apr 30, 2019 at 8:19 AM

Good Day.

That is correct. We are currently enforcing the 2015 IRC with 2018 Kentucky Amendments.

Have a great day..



DEPARTMENT OF
**CODES AND
REGULATIONS**

Louisville Foward
444 South 5th Street
Louisville, KY 40202

Dana Tinsley
Construction Review
Level II Building Inspector
(502) 574-8295



[Quoted text hidden]

straw clay construction as a nonbearing building material and wall infill systems.

R102.5.3 Appendix S, Strawbale Construction. The provisions found in Appendix S provides prescriptive and performance-based requirements for the use of baled straw as a building material.

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, the locally adopted property maintenance code, or as is deemed necessary by the *building official* for the general safety and welfare of the occupants and the public.

R102.8 Plumbing. The provisions of the Kentucky State Plumbing Code shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances.

R102.9. Electrical. The electrical system shall be installed in compliance with NFPA 70 as adopted by the Commonwealth of Kentucky.

SECTION R103 DEPARTMENT OF BUILDING SAFETY

R103.2.1 Certified inspectors. The local government shall provide at least one Kentucky Certified Building Inspector, Level I, pursuant to 815 KAR 7:070, and certified electrical inspector, certified according to 815 KAR 35:015. The local government shall report the name of all inspectors to the Department and the Department shall be notified of any changes in inspection personnel. To enforce the residential code only, the local government shall provide at least one inspector that has achieved 1 & 2 Family Dwelling Certification.

R103.3 Deputies. In accordance with the prescribed procedures of this *jurisdiction* and with the concurrence of the appointing authority, the *building official* shall have the authority to appoint a deputy *building official*, the related technical officers, inspector, plan examiners and other employees. Such employees shall have powers as delegated by the *building official*. These appointments shall meet the requirements of 815 KAR 7:070 for certification associated with their job duties.

SECTION R104 DUTIES AND POWERS OF THE BUILDING OFFICIAL

R104.7 Department records. The *building official* shall keep official records of applications received, permits and certificates issued, fees collected, reports of inspections, and notices and orders issued. Such records shall be retained in the official records for the period required for the retention of public records as promulgated by the

Kentucky Department of Libraries and Archives pursuant to KRS 171.450.

R104.10.1 Flood hazard areas. The *building official* shall not grant modifications to any provision related to flood hazard areas as established by local jurisdiction without the granting of a variance to such provisions by the board of appeals.

SECTION R105 PERMITS

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* used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 200 square feet (18.58 m²).
2. Fences not over 7 feet (1829 mm) high.
3. Retaining walls that are not over 4 feet (1219 mm) in height measured from grade at the bottom of the wall to the top of the wall.
4. Water tanks supported directly upon *grade* if the capacity does not exceed 5000 gallons (18927L) and the ratio of height to diameter or width does not exceed 2 to 1.
5. Sidewalks and driveways.
6. Painting, papering, tiling, carpeting, cabinets, counter tops and similar finish work.
7. Swings and other playground equipment.
8. 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.
9. Decks not exceeding 200 square feet (18.58 m²) in area, that are not more than 30 inches (762mm) above *grade* at any point, are not attached to a *dwelling* and do not serve the exit door require by Section R311.4.

Electrical:

1. Listed cord-and-plug connected temporary decorative lighting.
2. Reinstallation of attachment plug receptacles but not the outlets therefor.
3. Replacement of branch circuit overcurrent devices of the required capacity in the same location.
4. Electrical wiring, devices, appliances, apparatus or equipment operations at less than 25 volts and not capable of supplying more than 50 watts of energy.
5. Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.
6. The provisions of this code shall not apply to electrical equipment used for radio and television transmissions.

KENTUCKY BUILDING CODE REQUIRES ICE & WATER SHIELD

R905.1.2 Ice barriers.

In areas where there has been a history of ice forming along the eaves causing a backup of water as designated in Table R301.2(1), an ice barrier shall be installed for asphalt shingles, metal roof shingles, mineral-surfaced roll roofing, slate and slate-type shingles, wood shingles and wood shakes. The ice barrier shall consist of not fewer than two layers of underlayment cemented together, or a self-adhering polymer-modified bitumen sheet shall be used in place of normal underlayment and extend from the lowest edges of all roof surfaces to a point not less than 24 inches (610 mm) inside the exterior wall line of the building. On roofs with slope equal to or greater than 8 units vertical in 12 units horizontal, the ice barrier shall also be applied not less than 36 inches (914 mm) measured along the roof slope from the eave edge of the building.

TABLE 301.2(1) DESIGN SNOW, CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA FOR JEFFERSON COUNTY, KY

Ground Snow Load: 15

Basic Ultimate Wind Speed: 115 mph

Seismic Design Category: B

Weathering: Severe

Frost Depth: 24 inches

Termite Protection: Moderate to Heavy

Winter Design Temp: 10

>>> Ice Barrier: Yes <<<

Flood Hazard: see Lojic.org

Air Freezing Index: 1500 or less

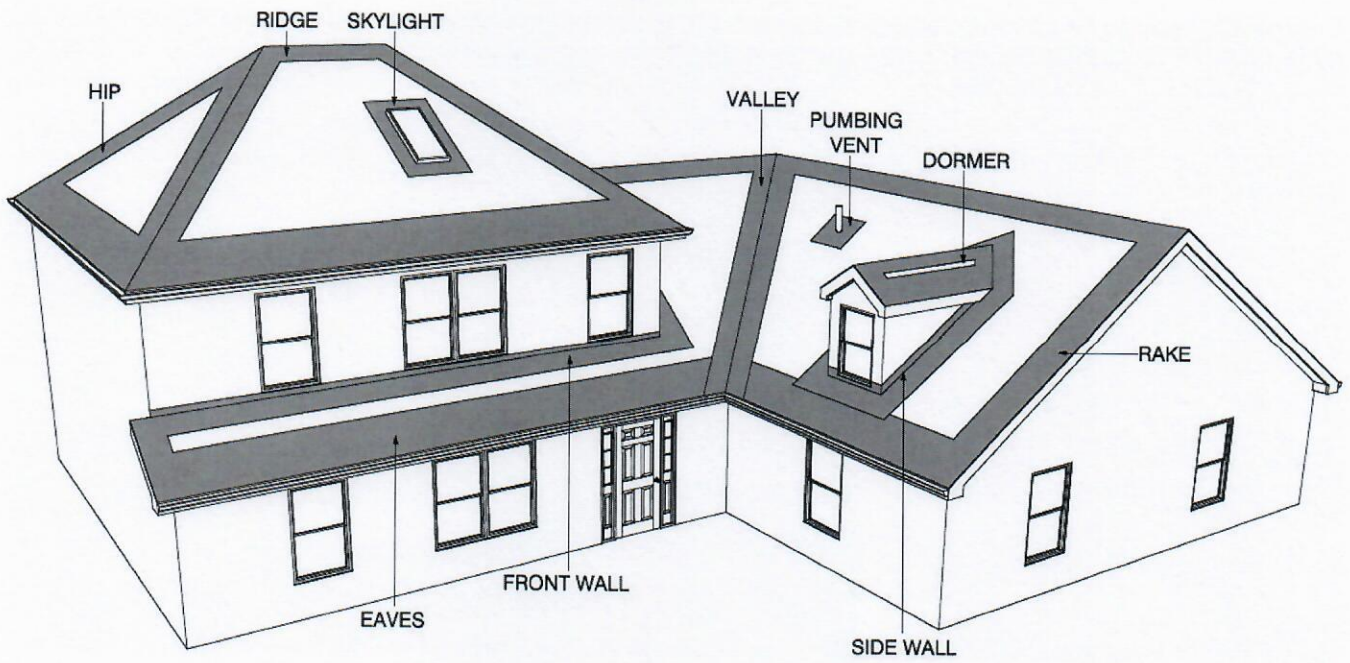
Climate Zone: 4A



R903.1 General.

Roof decks shall be covered with *approved* roof coverings secured to the building or structure in accordance with the provisions of this chapter. Roof assemblies shall be designed and installed in accordance with this code and the *approved* manufacturer's instructions such that the roof assembly shall serve to protect the building or structure.

Figure 2



Please see the applicable Limited Warranty for specific coverage.