

## Amendments to the 2018 IRC codes

### **Section R102.5 Appendices.**

The following Appendices are specifically included in the adoption. All others are excluded.

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 with 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 E. Manufactured Housing Used as Dwellings.

Appendix F. Radon Control Methods.

Appendix G. Piping Standards for Various Applications.

Appendix H. Patio Covers.

Appendix J. Existing Buildings and Structures.

Appendix K. Sound Transmission.

Appendix M. Home Day Care - R-3 Occupancy.

Appendix N. Venting Methods.

Appendix O. Automatic Vehicular Gates.

Appendix P. Sizing of Water Piping Systems.

Appendix Q. Tiny Houses.

### **Section R105.2 Work exempt from permit.**

Fences.

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

Insert "10 PSF" in the table for Ground Snow Load.

Insert "90" in the table for Wind Speed.

Insert "No" in the table for topographic effects.

Insert "C" in the table for Seismic Design Category.

Insert "Severe" in the table for Weathering.

Insert "12 inches" in the table for Frost Line Depth.

Insert "Moderate to heavy" in the table for Termite.

Insert "19 degrees Fahrenheit" in the table for Winter Design Temperature.

Insert "No" in the table for Ice Barrier Underlayment Required.

Insert "210" in the table for Air Freezing Index.

Insert "59.4" in the table for Mean Annual Temperature.

Delete footnote g. in its entirety and in its place insert "g. Flood hazard areas shall be as determined by the Knox County Department of Engineering and Public Works."

### **Section 302.5.1 Opening protection.**

Deleted the requirement for a self-closing or automatic closing device on doors between the garage and the living space.

### **Section 303.4 Mechanical ventilation.**

This section amended to make whole-house ventilation optional instead of mandatory.

### **Section R313 Automatic Fire Sprinkler Systems**

This section amended to make fire sprinkler systems in both one- and two-family dwellings and in townhouses optional instead of mandatory.

### **Section R314.3 Location**

This section amended to require smoke detectors in garages.

**Section R502.11.4 Truss Design Drawings.**

Deleted the requirement that all truss drawings must be reviewed and approved by the building official prior to installation.

**Table N1102.1.2 (R402.1.2) Insulation and fenestration requirements by component.**

This section was amended to reduce the insulation requirements allowing existing R-values to remain the same (Walls R-13, Ceilings R-38, Floors R-19, HVAC R-8 in attics and R-6 all other areas).

**Section N1102.4.1.2 (R402.4.1.2) Testing.**

Amended to remove the requirement for Blower door testing.

**Section N1103.1.1 (R403.1.1) Programmable Thermostat.**

Removed the requirement for programmable thermostats in single family dwellings.

**Section N1103.2.2 (R403.2.2) Sealing (Mandatory).**

Removed the requirement for Duct blower testing.

**Section N1103.6 (R403.6) Mechanical Ventilation (Mandatory).**

Removed the requirement for mandatory whole-house ventilation.

**Section N1103.10(R403.10) Pools and permanent spa energy consumption (Mandatory).**

Removed the mandatory requirement for pool and spa energy consumption controls.

**Section AE305.5.1 Structural inspections for the manufactured home installation.**

Added an exception allowing the State of Tennessee to perform necessary inspections except for decks, porches, steps, or other structures or equipment.

**Section AF103.5.3 Vent Pipe.**

Amended to allow the Radon vent to be terminated and capped in the attic until such time as Radon gas has been verified to be 4 pCi/L or greater.

**Section AF103.12 Power source.**

Removed the requirement for a power source to be present at the Radon vent termination in the attic.