

B 110-16
INTERNATIONAL ENERGY CONSERVATION CODE
AMENDMENT SHEET 2

Insulation Values and Air Leakage (Duct Sealing)

The BCCC recommended changes to insulation values required for residential construction that falls under the International Building Code use groups R-2, R-3, R-4. The EEC recommends that the values in the International Energy Efficiency Code (EEC) be used. In order to adopt the recommended ECC values, B 110-16 should be amended to delete the special insulation values and exceptions for air leakage inserted into the bill.

The Council motion would be to amend Bill 110-16 as set forth in this Amendment Sheet 2.

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Council Bill: B 110-16

MOTION TO AMEND:

MADE BY: _____

SECONDED BY: _____

MOTION: I move that Council Bill B 110-16 be amended as set forth on this amendment sheet.

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Material deleted from the original bill is shown in ~~strikeout~~; material added to original bill shown underlined.

Section 1 is amended to read as follows:

SECTION 1. A new Article X of Chapter 6 of the Code of Ordinances of the City of Columbia, Missouri, adopting the 2015 Edition of the International Energy Conservation Code is hereby enacted as follows:

...

Sec. 6-236. Amendments.

The code adopted by this article is hereby amended by substituting the following sections in lieu of those sections with corresponding numbers in the code, or, where there is no corresponding section in the code, the following sections shall be enacted as additions to the code:

...

~~1301.1.2. Use group R-2, R-3 and R-4 shall comply with this section or the requirements of International Energy Conservation Code. All buildings of Use Group R-2, R-3 and R-4 shall be insulated in accordance with the following:~~

~~BUILDING AREA AND REQUIRED INSULATION VALUE~~

~~Ceiling or roof — R-38~~

~~Exterior wall — R-15.5 for the assembly~~

~~Floor above unheated area or crawl space and ducts in ventilated attic or crawl space — R-19~~

~~Walls separating one and two family dwellings from garage areas, walls facing ventilated attic spaces and finished exterior basement walls — R-13~~

~~Ducts in unheated area not exposed to outside ventilation — R-4~~

~~Joints in the building conditioned envelope that are sources of air leakage, such as around window and door frames, between wall cavities and window or door frames, between wall assemblies or their sill plates and foundations, between utility service penetrations through the building envelope, shall be properly sealed with compatible and durable caulking, gasketing, weather-stripping or other materials in an approved manner. All exterior walls shall have a vapor retarder, capable of reducing vapor transmission to less than 1 perm, installed on the inside or the warm surface side of the insulated wall or ceiling. Only those ceilings that are attached directly to the underside of the roof rafters, such as flat roofs or cathedral ceilings, are required to install the vapor retarder. All windows shall have a maximum Thermal Transmittance (U) value of 0.55.~~

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