

PIKES PEAK REGIONAL BUILDING DEPARTMENT

International Energy Conservation Code Certificate Residential

This certificate is based on the 2009 International Energy Conservation Code (IECC), as amended by the 2011 Pikes Peak Regional Building Code. This certificate is applicable to One- and Two- family Dwellings as well as R2, R-3 and R-4 buildings three stories or less in height. This certificate is required to be submitted as part of the plan review package.

ADDRESS OR MASTER #: _____

METHOD OF ENERGY CODE COMPLIANCE:

The IECC provides various options for compliance with minimum standards. Check the box to indicate the method of compliance.

1. Prescriptive Method (IECC Section 402.1.1)
2. U-factor Alternative (IECC Section 402.1.3)
3. Total UA Alternative¹ (IECC Section 402.1.4)
4. REScheck¹ (IECC Section 402.1.4)
5. Simulated Performance Alternative² (IECC Section 405). Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official.

¹ Please attach documentation and calculations to substantiate compliance.

² If the Simulated Performance Alternative is selected please attach a summary of compliance. Complete third party documentation of compliance must be submitted at time of final inspection.

PRESCRIPTIVE METHOD REQUIREMENTS BY COMPONENT

Door U-Factor	Glazing U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value and Depth	Crawlspace Wall R-Value
0.35	0.35	38	19 or 15+2	13/17	30	10/13	10, 2 ft	10/13

INSULATION DATA:

Enter the appropriate values for the scope of work that coincide with the compliance method selected above. This data is required for all methods of compliance.

_____ Wall R-Value (wood frame or mass) _____ Crawlspace Wall R-Value

_____ Ceiling R-Value _____ Slab Perimeter R-Value (24" minimum)

_____ Floor R-Value (above unheated space) _____ Glazing U-Factor

_____ Floor R-Value (above exterior space) _____ Door(s) U-Factor

_____ Basement Wall R-Value

INSPECTION OPTIONS:

Section 402.4 of the IECC requires the thermal envelope to be sealed to limit infiltration. The IECC provides three options to demonstrate compliance with building envelope tightness requirements. Selection of the method of compliance shall occur when the Building Frame Inspection is scheduled. Below is a summary of the methods.

1. Testing Option (IECC Section 402.4.2.1). Third party documentation required at time of final inspection.
2. Third Party Visual Inspection (IECC Section 402.4.2.2). Third party documentation required at time of final inspection.
3. RBD Visual Inspection (IECC Section 402.4.2.2). RBD inspector preform required inspections. There is a \$25 additional charge for this service. The Simulated Performance Alternative requires third party inspections.