

Pikes Peak REGIONAL Building Department

INTERNATIONAL ENERGY CONSERVATION CODE (IECC) RESIDENTIAL INSULATION CERTIFICATE - EL PASO COUNTY ONLY

This certificate is based on the 2015 International Energy Conservation Code (IECC), as amended by the 2017 Pikes Peak Regional Building Code. This certificate is applicable to One- and Two- family Dwellings as well as Townhouses, 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 #: Risley4BR1S Habitat for Humanity

METHOD OF ENERGY CODE COMPLIANCE:

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

- | | |
|---|---|
| <input checked="" type="checkbox"/> 1. Prescriptive Method (IECC Section R402.1.2) | <input type="checkbox"/> 5. Simulated Performance Alternative ² (IECC Section R405). Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official. |
| <input type="checkbox"/> 2. U-factor Alternative ¹ (IECC Section R402.1.4) | <input type="checkbox"/> 6. Energy Rating Index Compliance Alternative ² (IECC Section R406). Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official. |
| <input type="checkbox"/> 3. Total UA Alternative ¹ (IECC Section R402.1.5) | |
| <input type="checkbox"/> 4. ResCheck ¹ (IECC Section R402.1.5) | |

¹ Please attach documentation and calculations to substantiate compliance.

² If the Simulated Performance or ERI Alternative is selected please attach necessary documentation to show compliance. Complete third party documentation of compliance must be submitted at time of final inspection.

MINIMUM INSULATION VALUES FOR PRESCRIPTIVE METHOD

Door and Window U-Factor	Skylight U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value/Depth	Crawlspace Wall R-Value
0.32	0.55	49	20 or 13+5	13/17	30	10/13	10/2 ft	15/19

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

<u>20</u> Wall R-Value (wood frame or mass)	<u>19</u> Crawlspace Wall R-Value
<u>49</u> Ceiling R-Value	<u>10</u> Slab perimeter R-Value (24" minimum)
<u> </u> Floor R-Value	<u>.32</u> Glazing U-Factor
<u> </u> Basement Wall R-Value	<u>.32</u> Door(s) U-Factor

INSPECTION REQUIREMENTS:

Section R402.4 of the IECC requires the thermal envelope to be sealed to limit infiltration. The IECC requires the thermal envelope to be visually inspected and tested 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. Third party visual inspection and testing with documentation required at time of final inspection.
2. RBD visual inspection and third party testing with documentation required at time of final inspection.

NOTE: The Simulated Performance and Energy Rating Index Alternatives requires third party inspections.