

Pikes Peak **REGIONAL** Building Department

INTERNATIONAL ENERGY CONSERVATION CODE (IECC) COMMERCIAL INSULATION CERTIFICATE

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 all buildings that are not considered Residential Buildings per the 2015 IECC. **This certificate is NOT applicable to One- and Two- family Dwellings as well as Townhouses, R2, R-3 and R-4 buildings three stories or less in height (use Residential Insulation Certificate).** This certificate is required to be submitted as part of the plan review package

ADDRESS: _____

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 C402.1.3)
2. Assembly U-, C-, and F-Factor Method¹ (IECC Section C402.1.4)
3. Component Performance Alternative¹ (IECC Section C402.1.5)
4. ComCheck¹ (IECC Section C402.1.5)
5. Total Building Performance^{2,3} (IECC Section C407)
6. ANSI/ASHRAE/IESNA 90.1^{1,3} (IECC Section C401.2)

¹Please attach documentation and calculations to substantiate compliance.

²Please attach summary of compliance. Complete third party documentation of compliance must be submitted at time of final inspection

³Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official

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. Insulation values for the Prescriptive Method may be found in Table C402.1.3 and Table C402.1.4 for the U-, C-, and F-Factor Alternative.

FENESTRATION

- U-Factor of Skylights (Maximum of 3% of roof area)
- U-Factor of fixed fenestrations (maximum of 30% of gross above grade wall area)
- U-Factor of operable fenestrations (maximum of 30% of gross above grade wall area)
- U-Factor of entrance doors (maximum of 30% of gross above grade wall area)
- U-Factor of opaque doors (less than 50% glazing)
- U-Factor of nonswinging opaque doors

WALL ASSEMBLY

- R-value of mass wall
cavity* continuous*
- R-value of metal building walls
cavity* continuous*
- R-value of metal framed walls
cavity* continuous*
- R-value of wood framed and other walls
cavity* continuous*
- R-value of below grade walls
cavity* continuous*

ROOF ASSEMBLY

- R-value of insulation above deck
cavity* continuous*
- R-value of attic or other assembly
cavity* continuous*
- R-value of metal building
cavity* continuous*

FLOOR ASSEMBLY

- R-value of mass floors
cavity* continuous*
- R-value of joist/framed floors
cavity* continuous*
- R-value of unheated slab for 24" below grade
- R-value of heated slab for 36" below grade

* "cavity" insulation is installed between framing members and "continuous" is installed over structure, or a combination of both