Pikes Peak REGIONAL Building Department

INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
COMMERCIAL INSULATION CERTIFICATE

This certificate is based on the 2021 International Energy Conservation Code (IECC), **as amended** by the 2023 Pikes Peak Regional Building Code. This certificate is applicable all buildings that are not considered Residential Buildings per the 2021 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: _____

ADDITIONAL ENERGY EFFICIENCY OPTION (MUST HAVE 5 CREDITS OR 2 CREDITS FOR TENANT SPACES)**

- ☐ More efficient HVAC performance (IECC C406.2)
- ☐ Reduced lighting power (IECC C406.3)
- ☐ Enhanced digital lighting controls (IECC C406.4)
- ☐ On-site renewable energy (IECC C406.5)
- ☐ Dedicated outdoor air system (for HVAC equipment) (IECC C406.6)
- ☐ Reduced energy use in service water heating (IECC C406.7)
- ☐ Enhanced envelope performance (IECC C406.8)
- ☐ Reduced air infiltration (IECC C406.9)
- ☐ Energy monitoring system (IECC C406.10)
- ☐ Fault detection and diagnosis (FDD) system (IECC C406.11)
- ☐ Efficient kitchen equipment (IECC C406.12)
- ☐ Compliance with ASHRAE 90.1 (IECC C401.2.2)

** For interior finish permits, only the energy efficiency option section needs to be filled out for the space being finished.

COLORADO LICENSED DESIGN PROFESSIONAL STAMP

THIS DOCUMENT MUST BE STAMPED BY THE DESIGN PROFESSIONAL OF RECORD

METHOD OF ENERGY CODE COMPLIANCE:

The IECC provides various options for compliance with minimum standards. Check the box to indicate the method of compliance and proceed page 2 to summarize the thermal envelope component values. If additional documentation is required, it must accompany this form.

- ☐ ASHRAE 90.1[1,3] (C401.2.2)
- ☐ Insulation Component R-value Based Method (C402.1.3)
- ☐ Assembly U-, C-, or F-factor Based Method (C402.1.4)
- ☐ Component Performance Alternative[1] (C402.1.5)
- ☐ COMCheck[1] (C402.1.5 or C401.2.2)
- ☐ Total Building Performance [2,3] (C407)

[1]Please attach documentation and calculations to substantiate compliance.
[2]Please attach summary of compliance. Complete third party documentation of compliance must be submitted at time of final inspection
[3]Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official

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

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

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/other walls

_____ cavity*_____ continuous*

R-value of below grade walls

_____ cavity*_____ continuous*

* “cavity” insulation is installed between framing members and “continuous” or “linear system” is installed over structure. Can be a combination of both.