

Plan Submittal Energy Code Worksheet

Below are the adopted International Residential Code Requirements for the City of Glenpool.

Construction compliance option selection: Indicate selection below.

Full compliance with the City of Glenpool adopted energy code by using the component table below.

Third Party energy inspections to 2018 IRC energy requirements. Documentation required with company name and a signature of qualified person or party. Energy Star or similar documentation may be accepted.

Submitted documentation of an approved energy program application such as Res-Check, IC-3 or similar showing full compliance with the 2018 IRC energy requirements or meeting /exceeding city requirements.

Insulation and Fenestration Minimum Requirements by Component

| CLIMATE ZONE | FENESTRATION U-FACTOR b | SKYLIGHT U-FACTOR b | GLAZED FENESTRATION SHGC b,e | CEILING R-VALUE | WOOD FRAME WALL R-VALUE h | MASS WALL R-VALUE | FLOOR R-VALUE | BASEMENT WALL R-VALUE c | SLAB DEPTH d R-VALUE & | CRAWL SPACEWALL R-VALUE c |
|--------------|-------------------------|---------------------|------------------------------|-----------------|---------------------------|-------------------|---------------|-------------------------|------------------------|---------------------------|
| 3 | 0.32 | 0.55 | 0.25 | 38 | 15 or 13 + 2 | 8/13 | 19 | 5/13 | 0 | 5/13 |

a. R-values are minimums. U-factors and SHGC are maximums. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed R-value of the insulation shall be not less than the R-value specified in the table.

b. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestrations.

Exception: In Climate Zones 1 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.30.

c. "10/13" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation on the interior of the basement wall. "15/19" means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation on the interior of the basement wall. Alternatively, compliance with "15/19" shall be R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home.

d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs. as indicated in the table. The slab edge insulation for heated slabs shall not be required to extend below the slab.

e. There are no SHGC requirements in the Marine Zone.

f. Basement wall insulation shall not be required in warm-humid locations as defined by Figure N1101.10 and Table N1101.10.

g. Alternatively, insulation sufficient to fill the framing cavity providing not less than an R-value of R-19.

h. The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, "13+2" means R-13 cavity insulation plus R-2 allowed for continuous structural exterior sheathing or insulated sheathing.

i. Mass walls shall be in accordance with Section N1102.2.5. The second R-value applies where more than half of the insulation

Air Leakage:

Air Leakage testing option with submitted documentation from approved person or party.

Visual testing by an approved party/person. In compliance with OUBCC 1102.4.1.3

Design Professional/Approved Person

Company Name

Date

Project Address: _____

Signature: _____ Date: _____