



Official Use Only

Contractor:	
Owner:	
Permit #:	
AR #:	

## Build Better Program

*Durability and Quality Assurance*

*for Residential Projects Complying with the International Energy Conservation Code*

I hereby declare and affirm to the City of Hailey that I have evaluated this project's durability concerns, installed all products to meet the 2018 International Energy Conservation Code (IECC), as amended by the Idaho Code Board, and manufacture's installation requirements and specifications, and incorporated appropriate durability measures into the design and construction to adequately address these durability concerns. I verified that the Durability and Quality Assurance measures were completed appropriately.

### City of Hailey Energy Requirements:

I hereby certify that my project will meet energy requirements through one of the following methods:

       **Prescriptive Requirements**

Requires that the 2018 IECC, as amended by the Idaho Code Board, is met:

Table R402.1.2 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT*										
Climate Zone	Fenestration U-Factor <sup>b</sup>	Skylight <sup>b</sup> U-Factor	Glazed Fenestration SHGC <sup>b, e</sup>	Ceiling R-Value	Wood Frame wall R-Value	Mass Wall R-Value <sup>i</sup>	Floor R-Value	Basement <sup>c</sup> Wall R-Value	Slab <sup>d</sup> R-Value & Depth	Crawl-space <sup>c</sup> Wall R-Value
6	0.30	0.55	NR	49	22 or 13+5 <sup>h</sup>	15/20	30 <sup>g</sup>	15/19	10, 4 ft	15/19

\* See IECC for footnotes.

In addition, the following prescriptive requirements shall be met and verified by building department:

- 92% AFUE furnace or equivalent system
- 0.62 EF water heater or equivalent
- All lighting must be LED or CFL
- Air sealing test result of 4 air exchanges per hour at 50 Pascal's

Provide compliance report.

       **RESCheck**

RESCheck is appropriate for insulation and window trade-off calculations in residential detached one- and two-family buildings and multi-family buildings three stories or less in height above grade, such as apartments, condominiums, and townhouses. **NOTE:** All mandatory requirements of the 2018 IECC, as amended by Idaho Building Code Board, must still be met.

       **Simulated Performance Alternative** per IECC section R405. Provide compliance report.

\_\_\_\_ **Energy Rating Index (ERI)**

(Must pass with a score equal or less than 61) Provide compliance report.

***\*Regardless of path selected above, the following additional requirements must also be met:***

- *Water Conservation: Watersense or equivalent fixtures are required for faucets, showerheads, and toilets.*
- *Mechanical Ventilation: Heating/Cooling load calculations (Manuals J, D & S, as applicable) are required.*
- *Onsite recycling: Metal and cardboard receptacles must be onsite at all times.*

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Signature of Owner or Representative

Date

***durability*** ( 'durə'bilədē ) *adj.:*  
*The ability of a material, product, or building to maintain its intended function for its intended life expectancy with intended levels of maintenance in intended conditions of use.*  
*- National Association of Home Builders*