

PROCESS FOR ENERGY CODE COMPLIANCE RESIDENTIAL

There are three (3) possibilities for Energy Code Compliance:

New Construction (stand alone)

Required Documentation
Energy Compliance Certificate

New Construction (addition - conditioned space)

Required Documentation
Energy Compliance Certificate

New Construction Sunroom (addition - unconditioned space)

**permanent separation between conditioned space and addition*
Required Documentation
Energy Compliance Proposal - Sunroom

HOW TO MEET COMPLIANCE:

- 1) **PRESCRIPTIVE** - Compliance with a pre-determined set of standards regarding the building envelope based on R Values.(2020 InRC Chapter 11)
- 2) **PERFORMANCE** - Compliance by determining the actual energy use based on the performance of combined energy use, insulation and heat loss/gain.(2020 InRC 1105)

The Builder or Design Professional can fill out a Prescriptive Energy Compliance Certificate and nothing more is required. This will be verified at the final before a C of O is issued. A blower door test is required.

The Builder or Design Professional can produce either an approved RESCHECK or other approved Performance Based computerized energy program. Verification will take place before a C of O is issued.

If the Builder or Design Professional wants to do any kind of trade-off they are required to use RESCHECK or another approved Performance Based energy program. No exceptions! (2020 InRC 1106)

*Please keep window/door energy stickers on windows/door until framing inspection is completed or have available at site.

ENERGY COMPLIANCE CERTIFICATE RESIDENTIAL		
COMPLIANCE METHOD		Check (v') method
Prescriptive (Table 1102.1.2 2020 InRC)		
RESCHECK (http://www.energycodes.gov/rescheck)		
Performance (1105.3 2020 InRC)		
SQUARE FOOTAGE		
Total square feet of conditioned space		
INSULATION RATINGS (list R-value of predominant area of component)		ENTER R-YVALUE or N/A (does not apply)
Ceiling/Roof	(including access hatch)	38
Walls		20 or 13 + 5
Basement	Ext. Continuous <i>I</i> Interior	10/13
Floor	*over unconditioned space	30/19
Slab	R value/Depth	10/2ft.
Crawl space	Ext. Continuous / Interior	15/19
HEATING EQUIPMENT		EFFICIENCY (BTU'S/RATING)
Electric		<i>I</i>
Gas		<i>I</i>
COOLING EQUIPMENT		EFFICIENCY (BTU'S/SEER)
FENESTRATION		ENTER U-VALUE
Predominant U-factor of windows	.35/skylight .60	

Property Address: _____

I hereby attest that I am the Builder or Design Professional of the above-referenced property and attest to the compliance of this structure with the 2020 Indiana Residential Code or any subsequent amended version of the same regarding energy efficiency. I declare that the above statement is true and accurate to the best of my knowledge.

Builder/Registered Design Professional

Date

ENERGY COMPLIANCE PROPOSAL			
RESIDENTIAL			
COMPLIANCE METHOD	R-Values from Table 1102.1.2		Check (v) method
Prescriptive (Table 1102.1.2 2020 InRC)			
RESCHECK (http://www.energycodes.gov/rescheck)			
Performance (1105.3 2020 InRC)			
SQUARE FOOTAGE			
Total square feet of conditioned space			
INSULATION RATINGS (list R-value of predominant area of component)			ENTER R-VALUE or N/A (does not apply)
Ceiling/Roof (including access hatch)	38		
Walls	20 OR 13+5		
Basement	Ext. Continuous/ Interior	10/13	/
Floor	* over unconditioned space	30/19	/
Slab	R value/Depth	10/2 ft.	/
Crawl space	Ext. Continuous/ Interior	15/19	/
HEATING EQUIPMENT			EFFICIENCY (BTU'S/RATING)
Electric			
Gas			
COOLING EQUIPMENT			EFFICIENCY (BTU'S/SEER)
			/
FENESTRATION			ENTER U-VALUE
Predominant U-factor of windows	.35/skylight .60		

Property Address: _____

I hereby attest that I am the Builder or Design Professional of the above-referenced property and attest to the proposed compliance of this structure with the 2020 Indiana Residential Code or any subsequent amended version of the same regarding energy efficiency. I declare that the above statement is true and accurate to the best of my knowledge.

Builder/Registered Design Professional

Date

ENERGY CODE COMPLIANCE SUN ROOM

*Per 2020 Indiana Residential Code, A Sun Room is allowed reduced energy guidelines when certain conditions are met.

***SUNROOM** -A one-story structure attached to a dwelling with a glazing area in excess of 40 percent of the gross area of the structure's exterior walls and roof. It must meet the following criteria:

- Glazing Area \geq 40% of the gross area of the structure's exterior walls and roof.
- Thermally Isolated
 - Not used as a Kitchen or Sleeping Quarters
- Separate Heating/Cooling System or Zone

THERMAL ISOLATION - Physical and space conditioning separation from conditioned space(s). The conditioned space(s) shall be controlled as separate zones for heating and cooling or conditioned by separate equipment.

Please fill out the following chart to indicate compliance.

Climate Zone: 5

	REQUIRED	R-VALUE/U-FACTOR	COMPLIANT?
CEILING	R-24		
WALLS	R13		
FLOOR	R-21		
FENESTRATION	U\leq0.45		
SKYLIGHTS	U\leq0.70		

*An addition that does not meet all of the above requirements is considered a standard room addition and must meet all insulation requirements as the main structure. All normal or sunroom additions require a freeze compliant foundation.

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Builder/Registered Design Professional

Date