

PROCESS FOR ENERGY CODE COMPLIANCE RESIDENTIAL

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

New Construction (stand alone)

Required Document –

Energy Compliance Proposal or Energy Compliance Certificate

New Construction (addition – conditioned space)

Required Document –

Energy Compliance Proposal or Energy Compliance Certificate

New Construction Sunroom (addition – unconditioned space)

**permanent separation between conditioned space and addition*

Required Document –

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.
- 2) **PERFORMANCE** - Compliance by determining the actual energy use based on the performance of combined energy use, insulation and heat loss/gain.

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.

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!

*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 (√) method
Prescriptive (Table 1102.1)	
RESCHECK (http://www.energycodes.gov/rescheck)	
Performance (675 IAC 14-4.3 – 139.1)	
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 10/2ft.	/
Crawl space Ext. Continuous / Interior 10/13	/
HEATING EQUIPMENT	EFFICIENCY (BTU'S/RATING)
Electric	/
Gas	/
COOLING EQUIPMENT	EFFICIENCY (BTU'S/SEER)
	/
FENESTRATION	ENTER U-VALUE
Predominant U-factor of windows	

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 Rule 4.3 2005 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	Check (v) method
Prescriptive (Table 1102.1)		
RESCHECK (http://www.energycodes.gov/rescheck)		
Performance (IECC Chapter 4 2009 Edition)		
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	10/13	/
HEATING EQUIPMENT		EFFICIENCY (BTU'S/RATING)
Electric		
Gas		
COOLING EQUIPMENT		EFFICIENCY (BTU'S/SEER)
		/
FENESTRATION		ENTER U-VALUE
Predominant U-factor of windows		

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ENERGY CODE COMPLIANCE SUN ROOM ADDITIONS

*Per Amendments to the 2005 Indiana Residential Code, Chapter 11, Energy Efficiency, Indiana Amendments, Sun Rooms are 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:

- Room Area \leq 500 sq.ft.
- 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-25		
WALLS	R13		
FLOOR	R-21		
FENESTRATION	$U \leq 0.50$		
SKYLIGHTS	$U \leq 0.75$		

*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