



Compliance Certificate

Project Residence

Energy Code: **2009 IECC**
Location: **[REDACTED]**
Construction Type: **Single-family**
Project Type: **New Construction**
Conditioned Floor Area: **2,378 ft²**
Glazing Area: **20%**
Climate Zone: **4 (4783 HDD)**
Permit Date:
Permit Number:

Construction Site:
Address
City, KY ZIP

Owner/Agent:
Client Residence
Address
City, AL ZIP

Designer/Contractor:

Compliance: Passes using UA trade-off

Compliance: **1.8% Better Than Code** Maximum UA: **446** Your UA: **438**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	U-Factor	UA
North Wall: Wood Frame, 16" o.c.	292	19.0	0.0	0.060	13
Window 1: Wood Frame:Double Pane	35			0.450	16
Window 2: Wood Frame:Double Pane	13			0.450	6
Window 3: Wood Frame:Double Pane	20			0.450	9
NorthEast Wall: Wood Frame, 16" o.c.	28	19.0	0.0	0.060	1
Window 1: Wood Frame:Double Pane	11			0.450	5
East Wall: Wood Frame, 16" o.c.	324	19.0	0.0	0.060	18
Window 1: Wood Frame:Double Pane	8			0.450	3
Window 2: Wood Frame:Double Pane	24			0.450	11
SouthEast Wall: Wood Frame, 16" o.c.	34	19.0	0.0	0.060	1
Window 1: Wood Frame:Double Pane	10			0.450	5
South Wall: Wood Frame, 16" o.c.	491	19.0	0.0	0.060	17
Window 1: Wood Frame:Double Pane	38			0.450	17
Window 2: Wood Frame:Double Pane	65			0.450	29
Window 3: Wood Frame:Double Pane	40			0.450	18



Inspection Checklist

Energy Code: 2009 IECC

Requirements: 100.0% were addressed directly in the REScheck software

Text in the "Comments/Assumptions" column is provided by the user in the REScheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req.ID	Pre-Inspection/Plan Review	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
103.2 [PR1] ¹ 	Construction drawings and documentation demonstrate energy code compliance for the building envelope.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
103.2, 403.7 [PR3] ¹ 	Construction drawings and documentation demonstrate energy code compliance for lighting and mechanical systems. Systems serving multiple dwelling units must demonstrate compliance with the commercial code.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.6 [PR2] ² 	Heating and cooling equipment is sized per ACCA Manual S based on loads per ACCA Manual J or other approved methods.	Heating: Btu/hr _____ Cooling: Btu/hr _____	Heating: Btu/hr _____ Cooling: Btu/hr _____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

Section # & Req.ID	Foundation Inspection	Complies?	Comments/Assumptions
303.2.1 [FO11] ² 	A protective covering is installed to protect exposed exterior insulation and extends a minimum of 6 in. below grade.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
403.8 [FO12] ² 	Snow- and ice-melting system controls installed.	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.

Additional Comments/Assumptions:

Section # & Req.ID	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.3.4 [FR1] ¹ 	Door U-factor.	U- ____	U- ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
402.1.1, 402.3.1, 402.3.3, 402.5 [FR2] ¹ 	Glazing U-factor (area-weighted average).	U- ____	U- ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
303.1.3 [FR4] ¹ 	U-factors of fenestration products are determined in accordance with the NFRC test procedure or taken from the default table.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.4.4 [FR20] ¹ 	Fenestration that is not site built is listed and labeled as meeting AAMA/WDMA/CSA 101/I.S.2/A440 or has infiltration rates per NFRC 400 that do not exceed code limits.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.4.5 [FR16] ² 	IC-rated recessed lighting fixtures sealed at housing/interior finish and labeled to indicate ≤2.0 cfm leakage at 75 Pa.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
403.2.1 [FR12] ¹ 	Supply ducts in attics are insulated to ≥R-8. All other ducts in unconditioned spaces or outside the building envelope are insulated to ≥R-6.	R- ____ R- ____	R- ____ R- ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.2.2 [FR13] ¹ 	All joints and seams of air ducts, air handlers, filter boxes, and building cavities used as return ducts are sealed.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.2.3 [FR15] ³ 	Building cavities are not used for supply ducts.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.3 [FR17] ² 	HVAC piping conveying fluids above 105 °F or chilled fluids below 55 °F are insulated to ≥R-3.	R- ____	R- ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
403.4 [FR18] ² 	Circulating service hot water pipes are insulated to R-2.	R- ____	R- ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
403.5 [FR19] ² 	Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & Req.ID	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
303.1 [IN13] ² 	All installed insulation is labeled or the installed R-values provided.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.1.1, 402.2.5, 402.2.6 [IN1] ¹ 	Floor insulation R-value.	R- _____ ☐ Wood ☐ Steel	R- _____ ☐ Wood ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
303.2, 402.2.6 [IN2] ¹ 	Floor insulation installed per manufacturer's instructions, and in substantial contact with the underside of the subfloor.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.1.1, 402.2.4, 402.2.5 [IN3] ¹ 	Wall insulation R-value. If this is a mass wall with at least ½ of the wall insulation on the wall exterior, the exterior insulation requirement applies.	R- _____ ☐ Wood ☐ Mass ☐ Steel	R- _____ ☐ Wood ☐ Mass ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
303.2 [IN4] ¹ 	Wall insulation is installed per manufacturer's instructions.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

☐ 1 High Impact (Tier 1)
 ☐ 2 Medium Impact (Tier 2)
 ☒ 3 Low Impact (Tier 3)

Section # & Req.ID	Final Inspection Provisions	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
402.1.1, 402.2.1, 402.2.2 [FI1] ¹ 	Ceiling insulation R-value. Where > R-30 is required, R-30 can be used if insulation is not compressed at eaves. R-30 may be used for 500 ft ² or 20% (whichever is less) where sufficient space is not available.	R-____ ☐ Wood ☐ Steel	R-____ ☐ Wood ☐ Steel	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	See the Envelope Assemblies table for values.
303.1.1.1, 303.2 [FI2] ¹ 	Ceiling insulation installed per manufacturer's instructions. Blown insulation marked every 300 ft ² .			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.2.3 [FI3] ¹ 	Attic access hatch and door insulation ≥ R-value of the adjacent assembly.	R-____	R-____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
402.4.2, 402.4.2.1 [FI17] ¹ 	Building envelope tightness verified by blower door test result of <7 ACH at 50 Pa. This requirement may instead be met via visual inspection, in which case verification may need to occur during Insulation Inspection.	ACH 50 = ____	ACH 50 = ____	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.2.2 [FI4] ¹ 	Post construction duct tightness test result of ≤8 cfm to outdoors, or ≤12 cfm across systems. Or, rough-in test result of ≤6 cfm across systems or ≤4 cfm without air handler. Rough-in test verification may need to occur during Framing Inspection.	____ cfm	____ cfm	☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.1.1 [FI9] ² 	Programmable thermostats installed on forced air furnaces.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
403.1.2 [FI10] ² 	Heat pump thermostat installed on heat pumps.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
403.4 [FI11] ² 	Circulating service hot water systems have automatic or accessible manual controls.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Exception: Requirement is not applicable.
404.1 [FI6] ¹ 	50% of lamps in permanent fixtures are high efficacy lamps.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
401.3 [FI7] ² 	Compliance certificate posted.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.
303.3 [FI18] ³ 	Manufacturer manuals for mechanical and water heating equipment have been provided.			☐ Complies ☐ Does Not ☐ Not Observable ☐ Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

1	High Impact (Tier 1)	2	Medium Impact (Tier 2)	3	Low Impact (Tier 3)
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2009 IECC Energy Efficiency Certificate

Insulation Rating	R-Value
Above-Grade Wall	19.00
Below-Grade Wall	0.00
Floor	30.00
Ceiling / Roof	30.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.45	
Door	0.60	

Heating & Cooling Equipment	Efficiency
Heating System: _____	_____
Cooling System: _____	_____
Water Heater: _____	_____

Name: _____ Date: _____

Comments