

4895 S 80 E

WOLCOTTVILLE, IN 46795

PETE'S CONSTRUCTION


THIS HOME IS CERTIFIED TO MEET THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE

Building Features

Ceiling Attic, R-40	Duct Supply R-0.0, Return R-0.0
Above Grade Walls R-28	Duct Leakage to Outside 20.0 CFM @ 25 Pa
Foundation Walls R-14	Total Duct Leakage N/A
Framed Floor R-38	Heating Furnace • Natural Gas • 96 AFUE
Slab R-0.0 Perimeter, R-0.0 Under	Cooling Air Conditioner • Electric • 14 SEER
Infiltration 1638 CFM50 (2.26 ACH50)	Water Heating Water Heater • Natural Gas • 0.72 Energy Factor
Window U-Value: 0.33, SHGC: 0.17	

As a 3rd party extension of the code jurisdiction utilizing these reports, I certify that this energy code compliance document has been created in accordance with the requirements of Chapter 4 of the adopted International Energy Conservation Code based on Climate Zone 5. If rating is Projected, I certify that the building design described herein is consistent with the building plans, specifications, and other calculations submitted with the permit application. If rating is Confirmed, I certify that the address referenced above has been inspected/tested and that the mandatory provisions of the IECC have been installed to meet or exceed the intent of the IECC or will be verified as such by another party.

Name: Travis Marker
Organization: Energy Diagnostics Rater

Signature: 
Digitally signed: 10/8/18 at 3:13 PM

Ekotrope RATER - Version 2.2.5.2022

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IECC 2009 Performance Compliance



Property
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Organization
Energy Diagnostics Rater
Travis Marker

Inspection Status
Confirmed by field test

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105634 18

Builder
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Annual Energy Cost

Design	IECC 2009 Performance	As Designed
Heating	\$1,713	\$1,686
Cooling	\$136	\$100
Water Heating	\$181	\$181
SubTotal - Used to determine compliance	\$2,030	\$1,967
Lights & Appliances	\$733	\$733
Onsite generation	\$0	\$0
Total	\$2,763	\$2,700

405.3
Performance-based compliance
passes by 3.1%



402.4.2.1
Air Leakage Testing



402.5
Area-weighted average fenestration
SHGC



402.5
Area-weighted average fenestration
U-Factor



403.2.2
Duct Testing




Mandatory Checklist



Design exceeds requirements for IECC 2009 Performance compliance by 3.1%.

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Air Leakage Report



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General Information

Conditioned Floor Area [sq. ft.]	3,723
Infiltration Volume [cu. ft.]	43,467
Number of Bedrooms	4

Air Leakage

Measured Infiltration	1638 CFM50 (2.26 ACH50)
ACH50 (Calculated)	2.26
ELA [sq. in.] (Calculated)	90.1
ELA per 100 s.f. Shell Area (Calculated)	0.825
CFM50 (Calculated)	1638

Duct Leakage

	System 1
Leakage to Outdoors [CFM @ 25 Pa]	20.0
Leakage to Outdoors [CFM25 / 100 s.f.]	0.5
Leakage to Outdoors [CFM25 / CFA]	0.005
Total Leakage Test Type	No Test
Total Leakage [CFM @ 25 Pa]	N/A
Total Leakage [CFM25 / 100 s.f.]	N/A
Total Leakage [CFM25 / CFA]	N/A

Mechanical Ventilation

Rate [CFM]	
Hours per day	
Fan Watts	
Recovery Efficiency %	
Runs at least once every 3 hrs?	
Average Rate [CFM]	
2010 ASHRAE 62.2 Req. Cont. Ventilation	74.7
2013 ASHRAE 62.2 Req. Cont. Ventilation	84.8