

2302-0160

PEG Inspection Report

- BuiltSmart HERS Energy Star IECC
- Pre-Drywall Final Re-Inspection



Code Edition or State Equivalent

- 2009 IECC 2012 IECC 2015 IECC 2018 IECC
- 2019 RCO 6th Edition 7th Edition 2020 Indiana IRC

Model: SBG00-00 Division: SEF Community: MJ - MCJUNKIN Lot: 0875
 Address: 8169 LIBERTY WAY City: PARKLAND
 State: FL Zip Code: 33067

All deficient items, general notes, and recommendations;

Multi-Point Blower Door Infiltration Test:

Correct CFM50:	1234.94	x 60 ÷	20892	=	3.55
			Cubic Volume		ACH50

Inspection Results:

Inspection Results:	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> N/A
Blower Door Infiltration Results:	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> N/A

**Airtightness Testing of Building & HVAC Air Distribution System is completed following ANSI/Resnet/ICC 380 as required under the IRC & IECC.*

HERS Provider: PEG LLC HERS Company Name: PEG LLC
 Rater/RFI Name & Number: Oluwafemi Benedict obenedict-0453377 Builder Company Name: NVR INC
 Rater/RFI Signature: Date: Aug 15, 2023

PEG LLC
 3975 Fair Ridge Drive T15S
 Fairfax, VA 22033

Envelope Leakage Test Report (Blower Door Test)
 Residential Prescriptive, Performance or ERI Method Compliance
 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:
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Job Information

Builder: NVR INC	Community: MJ - MCJUNKIN	Lot: 0875
Address: 8169 LIBERTY WAY		Unit:
City: PARKLAND	State: FL	Zip: 33067

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

Prescriptive Method - The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour at a pressure of 0.2 inch w.g. (50 pascals) in Climate Zones 1 and 2.

Performance or ERI Method - The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding the selected ACH (50) value, as shown on FORM R405-2017 (Performance) or R406-2017 (ERI), section labeled as Infiltration, sub section ACH
 ACH(50) specified on Form R405-2017-Energy Calc (Performance) or R406-2017 (ERI): 7

$$\frac{1234.94}{CFM(50)} \times 60 \div \frac{20892}{\text{Building Volume}} = \frac{3.55}{ACH(50)}$$

PASS FAIL

When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.

Method for calculating building volume:

Retrieved from architectural plans

Code software calculated

Field Measured and calculated

Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported at a pressure of 0.2 inch w.g. (50 pascals). Testing shall be conducted by either individuals as defined in Section 553.993(5) or (7), *Florida Statutes*, or Individuals licensed as set forth in Section 489.105(3)(f), (g), or (i) or an approved third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

- During testing:
1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.
 2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.
 3. Interior doors, if installed at the time of the test, shall be open.
 4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.
 5. Heating and cooling systems, if installed at the time of the test, shall be turned off.
 6. Supply and return registers, if installed at the time of the test, shall be fully open.

Testing Company

Company Name: PEG Phone: 703-934-2777

I hereby verify that the above air leakage results are in accordance with the 2020 7th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: Aug 15, 2023

Printed Name of Tester: Oluwafemi Benedict

License/Certification #: obenedict-0453377 Issuing authority: RESNET

Duct Leakage Test Report

Residential Prescriptive, Performance or ERI Method Compliance
2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #:
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Job Information

Builder:	NVR INC	Community:	MJ - MCJUNKIN	Lot:	0875
Address:	8169 LIBERTY WAY			Unit:	
City:	PARKLAND	State:	FL	Zip:	33067

Duct Leakage Test Results

System 1	24	cfm25
System 2		cfm25
System 3		cfm25
Sum of any additional systems	0	cfm25
Total of all systems	24	cfm25

$$\frac{\boxed{24}}{\text{Total of all systems}} \div \frac{\boxed{1741}}{\text{Total Conditioned Square Footage}} = \frac{\boxed{0.014}}{\text{Qn}}$$

PASS FAIL

Prescriptive Method cfm25 (Total)

To qualify as "substantially leak free" Qn must be less than or equal to 0.04 if air handler unit is installed. If air handler unit is not installed, Qn Total must be less than or equal to 0.03. This testing method meets the requirements in accordance with section R403.3.3.

Performance / ERI Method cfm25 (Out or Total)

To qualify as "substantially leak free" must not be greater than the proposed duct leakage Qn specified on Form R405-2017 (Performance) or R406-2017 (ERI)

Leakage Type selected on Form R405-2017 (Energy Calc) or R406-2017

Default 6

Qn specified on Form R405-2014 (Energy Calc) or 406-2017

Default 6

Duct tightness shall be verified by testing in accordance with ANSI/RESNET/ICC380 by either individuals as defined in Section 553.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.105(3)(f), (g) or (i), Florida Statutes

Testing Company

Company Name: PEG Phone: 703-934-2777

I hereby verify that the above duct leakage results are in accordance with the 2020 7th Edition Florida Building Code Energy Conservation requirements according to the compliance method selected above.

Signature of Tester: _____ Date of Test: Aug 15, 2023

Printed Name of Tester: Oluwafemi Benedict