

Envelope Leakage Test Report (Blower Door Test)
Residential Prescriptive, Performance or ERI Method Compliance
2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction: Columbia County

Permit #: 000049589

Job Information:

Builder: Whiddon Construction

Community: Shadow Wood

Lot: 40

Address: 268 SE Stardust Place

Unit:

City: Lake City

State: Florida

Zip: 32024

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 R405-20J 7 (Performance) or R406-2017 (ERI), section labeled as Infiltration, sub-section ACH.

ACH (50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI):

4.73 ACH50

Method for calculating building volume

$$\frac{778}{\text{CFM}^{(50)}} \times 60 \div \frac{10080}{\text{Building Volume}} = \frac{4.63}{\text{ACH}^{(50)}}$$

☐ Retrieved from architectural plans

☒ Code software calculated

☐ Field measured and calculated

☒ **PASS** ☐ **FAIL**

☐ When ACH (50) is less than 3 ACH₅₀, Mechanical Ventilation Field measured, and calculated installation must be verified by building department.

Testing. Testing shall be conducted in accordance with ANSI/RESNET/ICC380 and reported at a pressure of 0.2 inches w.g. (50 Pascals). Testing shall be conducted by either individual as defined in Section 553.993(5) or (7), *Florida Statutes*, or Individuals licensed as set forth in Section 489.105(3)(l), (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 weather-stripping 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: airEnalasy Phone: 877-437-7728

I hereby verify that the above Air Leakage results are in accordance with the 2023 Florida Building Code Energy Conservation (8th Edition) requirements according to the compliance method selected above.

Signature of Tester: W. Mago

Date of Test: 07/02/2025

Printed Name of Tester: William Mago

License/Certification # RESNET 4309320

Issuing Authority: Florida Solar and Energy Center FSEC