From: Matt Forsyth
To: Columbia County Building and Zoning Info
Subject: Reviewed blower door test
Date: Friday, August 8, 2025 11:59:40 AM

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51652

Envelope Leakage Test Report (Blower Door Test)

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

Jurisdiction: Columbia | Permit #: 51652

Job Information

Builder: Bryan Zecher | Community: | Lot:

Address: 228 NW Sandsby Glen | Unit:

City: Lake City | State: Fl | Zip: 32055

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 R405-2020 (Performance) or R406-2020 (ERI), section labeled as Infiltration, sub-section ACH50.

ACH(50) specified on Form R405-2020-Energy Calc (Performance) or R406-2020 (ERI): 7.0

1659 CFM(50) x 60 ÷ 15,585 Building Volume = 4.07 ACH(50)

☐ When ACH(50) is less than 3, mechanical ventilation installation must be verified by building department.

☒ **PASS**

Method for calculating building volume:
◯ Retrieved from architectural plans
⊗ Code software calculated
◯ Field measured and calculated

R402.4.1.2 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 Statues*, or individuals licensed as set forth in Section 489.105(3)(f), (g), or (j) 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: TC Testing Service LLC | Phone: 386-365-2049

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: Will Sikes | Date of Test: 8-7-25

Printed Name of Tester: Tanya Sikes / Will Sikes

License/Certification #: 5059953 / 5059952 | Issuing Authority: BPI

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