

Envelope Leakage Test Report (Blower Door Test)

Residential Prescriptive, Performance or ERI Method Compliance

2023 Florida Building Code, Energy Conservation, 8th Edition

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| Jurisdiction: <i>Columbia County</i> | Permit #: <i>0052326</i> |
| Job Information: | |
| Builder: <i>Lee Halloway</i> | Community: |
| Address: <i>203 SW Grey Way</i> | Unit: |
| City: <i>Lake City</i> | State: Florida Zip: <i>32643</i> |
| Air Leakage Test Results: <i>Passing results must meet either the Performance, Prescriptive, or ERI Method</i> | |
| <input type="checkbox"/> 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. | |
| <input checked="" type="checkbox"/> 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. | |
| <i>ACH (50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI):</i> <i>7.00 ACH50</i> | |
| <u>Method for calculating building volume</u> | |
| $\frac{3541}{\text{CFM}^{(50)}} \times 60 \quad / \quad \frac{31572}{\text{Building Volume}} = \frac{6.72}{\text{ACH}^{(50)}}$ | <input type="checkbox"/> Retrieved from architectural plans <input checked="" type="checkbox"/> Code software calculated |
| <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL | <input type="checkbox"/> When ACH (50) is less than 3 ACH ₅₀ , Mechanical Ventilation Field measured, and calculated <input type="checkbox"/> 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: <ol style="list-style-type: none"> 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: <i>airEnalasys</i> Phone: <i>877-437-7728</i> | |
| I hereby verify that the above Air Leakage results are in accordance with the 2023 Florida Building Code Energy Conservation (8 th Edition) requirements according to the compliance method selected above. | |
| Signature of Tester: | <i>W. Mago</i> |
| Date of Test: <i>10/22/2025</i> | |
| Printed Name of Tester: | William Mago |
| License/Certification# | RESNET 4309320 |
| Issuing Authority: <i>Florida Solar and Energy Center FSEC</i> | |