

| Envelope Leakage Test Report (Blower Door Test) | |
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| Residential Prescriptive, Performance or ERI Method Compliance | |
| 2023 Florida Building Code, Energy Conservation, 8 th Edition | |
| Jurisdiction: <u>Columbia</u> | Permit #: <u>51730</u> |
| Job Information | |
| Builder: <u>Joseph Peurung</u> | Community: <u>Residential Residential, Residential, or ERI Method</u> |
| Address: <u>300 SW Rose Drive P</u> | Unit: <u>F1</u> |
| City: <u>Lake City</u> | State: <u>FL</u> |
| Zip: <u>32024</u> | Lot: |
| Air Leakage Test Results | |
| <p><input checked="" type="checkbox"/> PERSCRIPTIVE 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 inches w.g. (50 Pascals) in Climate Zones 1 and 2.</p> <p><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 calculated ACH(50) value, as shown on FORM RA05-2023 (ERI) - section labeled as infiltration sub-section ACH.</p> <p>Method for calculating building volume: <u>Architect/Specified on Form RA05-2023 Energy Code (Performance) or RA06-2023 (ERI) - ACH(50) specified on Form RA05-2023 Energy Code (Performance) or RA06-2023 (ERI)</u></p> | |
| $\frac{6.94}{CFM(50)} \times 60 = \frac{13.464}{ACH(50)} = 3.78$ | |
| CFM(50) | Building Volume ACH(50) |
| <input checked="" type="checkbox"/> PASS | <input type="checkbox"/> FAIL |
| <p>When ACH(50) is less than 3, Mechanical Ventilation:</p> <p>Installation must be verified by Building Department.</p> <p>RA02.4.1.2 testing: The building or dwelling unit shall be tested and verified as having an air leakage rate not exceeding seven air changes per hour in Climate Zones 1 and 2, and three air changes per hour in Climate Zones 3 through 7. Dwelling units with an air leakage rate of less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with section RA03.8.1 of this code and section M1509.3 of the Florida Building Residential. Testing shall be conducted in accordance with ANSI/RESNET/ICC 380 and reported as a pressure of 0.2 in. w.g. (50 pascals). Testing shall be conducted by either individual as defined in Section 533.993(5) or (7), Florida Statutes, or individuals licensed as set forth in Section 489.05(3)(H), (8) or (9) 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.</p> <p>Exception: Testing is not required for additions, alterations, renovations or repairs of the building thermal envelope of existing buildings, in which new construction is less than 85 percent of the building thermal envelope.</p> | |
| <p>During testing:</p> <ol style="list-style-type: none"> 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, backdraft 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. 7. If an attic is both air sealed and insulated at the roof deck, interior access doors and hatches between the conditioned space volume and the attic shall be opened during the test and the volume of the attic shall be added to the conditioned space volume for purposes of reporting an infiltration volume and calculating the air leakage of the home. | |
| Testing Company | |
| Company Name: <u>TC Testing LLC</u> | Phone: <u>386-365-2049</u> |
| <p>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.</p> <p>Signature of Tester: <u>Will Sikes</u></p> <p>Printed Name of Tester: <u>Will Sikes</u></p> <p>License/Certification #: <u>5059952</u></p> <p>Issuing Authority: <u>BPT</u></p> | |
| Created 12/22/2023 | |



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