

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 #:	
Job Information		
Builder: Maronda Homes	Community: Forest Cove	Lot: 8
Address: 303 SW Cadence Glen		Unit:
City: Lake City	State: FL	Zip: 32024
Air Leakage Test Results <i>Passing results must meet either the Performance, Prescriptive, or ERI Method</i>		
<input type="radio"/> PRESCRIPTIVE METHOD- <i>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</i>		
<input checked="" type="radio"/> PERFORMANCE or ERTI METHOD- <i>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 R405-2023 (Performance) or R406-2023 (ERI), section labeled as Infiltration, sub-section ACH.</i> <i>ACH(50) specified on Form R405-2023-Energy Calc (Performance) or R406-2023 (ERI):</i> 7		
<div style="display: flex; justify-content: space-between; align-items: flex-end;"><div style="text-align: center;">$\frac{1627}{\text{CFM}(50)} \times 60 \div \frac{17490}{\text{Building Volume}} = \frac{5.58}{\text{ACH}(50)}$<div style="display: flex; justify-content: center; gap: 20px;"><div><input checked="" type="checkbox"/> PASS</div><div><input type="checkbox"/> FAIL</div></div></div><div style="text-align: right;">Method for Calculating Building Volume <input type="checkbox"/> Retrieved from architectural plans <input checked="" type="checkbox"/> Code Software Calculated <input type="checkbox"/> Field Measured and Calculated</div></div> <p style="font-size: small; margin-top: 5px;">When ACH(50) is less than 3, Mechanical Ventilation Installation must be verified by building department.</p>		
<p>R402.4.1.Z 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 8. Dwelling units with an air leakage rate less than three air changes per hour shall be provided with whole-house mechanical ventilation in accordance with Section R403.6.l of this code and Section M1507.3 of the <i>Florida Building Code, Residential</i>. 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 individual 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 <i>approved</i> 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 <i>official</i>. Testing shall be performed at any time after creation of all penetrations of the <i>building thermal envelope</i>.</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: 15 Lightyears		Phone: (855) 438-1515
<p style="font-size: small;">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> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"><div style="width: 60%;"><p>Signature of Tester: </p><p>Printed Name of Tester: Adi Trifka</p><p>License/Certification #: 3272499</p></div><div style="width: 35%; text-align: right;"><p>Date of Test: 12/10/25</p><p>Issuing Authority: RESNET</p></div></div>		

(Copy of License / Certificate of the tester must be attached)

Duct Leakage Test Report

Residential Prescriptive, Performance, or ERI Method Compliance 2023 Florida Building Code, Energy Conservation, 8th Edition

Jurisdiction: Columbia County		Permit #:	
Job Information			
Builder: Maronda Homes		Community: Forest Cove	
Address: 303 SW Cadence Glen		Lot: 8	
City: Lake City		State: FL	
		Zip: 32024	
Duct Leakage Test Results <input type="checkbox"/> Prescriptive Method <input checked="" type="checkbox"/> Performance/ERI Method			
System 1	51 cfm 25	<div><input type="radio"/> PRESCRIPTIVE METHOD- cfm25 (Total)</div> <p>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.</p> <p>This testing method meets requirements in accordance with Section R403.3.3</p> <p><i>Is the air handler unit installed during testing?</i></p> <div><input type="checkbox"/> YES (= 0.04Qn) <input type="checkbox"/> NO (= 0.03Qn)</div> <div><input checked="" type="radio"/> PERFORMANCE METHOD- cfm25 (Out or Total)</div> <p>To qualify as "substantially leak free" Qn must not be greater than the proposed duct leakage Qn specified on form R405-2023 OR R406-2023 Section R403.3.3</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"><div style="text-align: center;">Leakage Type selected on Form R405—2023 (Energy Calc) or R406—2023 <div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">Proposed QN</div></div><div style="text-align: center;">Qn specified on Form R405—2023 (Energy Calc) or R406—2023 <div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">0.04</div></div></div>	
System 2			
System 3			
Sum of any additional systems			
Total of all systems	51 cfm 25		
<div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: center;"><div>$\frac{51}{\text{Total of all Systems}} \div \frac{1941}{\text{Total Conditioned Square Footage}} = 0.026 \text{ Qn}$</div><div style="margin-top: 10px;"><input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL</div></div></div>			
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: 15 Lightyears Phone: (855) 438-1515			
I hereby verify that the above duct leakage testing results are in accordance with the Florida Building Code requirements with the selected compliance path as stated above, either the Prescriptive Method or Performance Method.			
Signature of Tester: Date of Test: 12/10/25			
Printed Name of Tester: Adi Trifka			
License/Certification #: 3272499 Issuing Authority: RESNET			

(Copy of License / Certificate of the tester must be attached)