

# Envelope Leakage Test Report (Blower Door Test)

## Residential Prescriptive, Performance or ERI Method Compliance

### 2020 Florida Building Code, Energy Conservation, 7th Edition

Jurisdiction:	Permit #: 44252
<b>Job Information</b>	
Builder:	Community: Lot: NA
Address: 2054 SW Salem Rd	
City: Lake City	State: FL Zip: 32024
<b>Air Leakage Test Results</b> <i>Passing results must meet either the Performance, Prescriptive, or ERI Method</i>	
<p><b>PRESCRIPTIVE METHOD</b>-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.</p>	
<p><b>PERFORMANCE or ERI METHOD</b>-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.</p> <p style="text-align: right;">ACH(50) specified on Form R405-2020-Energy Calc (Performance) or R406-2020 (ERI): <span style="border: 1px solid black; padding: 2px 10px;">5.00</span></p>	
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <math display="block">\frac{2,912}{\text{CFM}(50)} \times 60 \div \frac{48000}{\text{Building Volume}} = \frac{3.64}{\text{ACH}(50)}</math> <div style="display: flex; align-items: center; margin-top: 10px;"> <input checked="checked" style="width: 20px; height: 20px; margin-right: 10px;" type="checkbox"/> <div> <p style="font-size: 24px; margin: 0;"><b>PASS</b></p> <p style="font-size: 12px; margin: 5px 0;">When ACH(50) is less than 3, Mechanical Ventilation installation must be verified by building department.</p> </div> </div> </div> <div style="width: 35%;"> <p style="font-size: 12px; margin-bottom: 5px;">Method for calculating building volume:</p> <div style="display: flex; flex-direction: column; gap: 5px;"> <div><input type="radio"/> Retrieved from architectural plans</div> <div><input checked="checked" type="radio"/> Code software calculated</div> <div><input type="radio"/> Field measured and calculated</div> </div> </div> </div>	
<p><b>R402.4.1.2 Testing.</b> 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), <i>Florida Statutes</i> or individuals licensed as set forth in Section 489.105(3)(f), (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 <i>code official</i>. Testing shall be performed at any time after creation of all penetrations of the <i>building thermal envelope</i>.</p> <p>During testing:</p> <ol style="list-style-type: none"> <li>1. Exterior windows and doors, fireplace and stove doors shall be closed, but not sealed, beyond the intended weatherstripping or other infiltration control measures.</li> <li>2. Dampers including exhaust, intake, makeup air, back draft and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.</li> <li>3. Interior doors, if installed at the time of the test, shall be open.</li> <li>4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.</li> <li>5. Heating and cooling systems, if installed at the time of the test, shall be turned off.</li> <li>6. Supply and return registers, if installed at the time of the test, shall be fully open.</li> </ol>	
<b>Testing Company</b>	
<p>Company Name: <u>E-Calcs Plus, Inc.</u> Phone: <u>833-322-5271</u></p> <p>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.</p> <div style="display: flex; justify-content: space-between;"> <div> <p>Signature of Tester: <u><b>Eric Struble</b></u></p> <p style="font-size: 10px;">Digitally signed by Eric Struble Date: 2022.10.04 15:19:40 -04'00'</p> </div> <div> <p>Date of Test: <u>October 4, 2022</u></p> </div> </div> <p>Printed Name of Tester: <u>Eric Struble</u></p> <p>License/Certification #: <u>HERS Rater ID# 0757810</u> Issuing Authority: <u>Resnet/FSEC</u></p>	