

**Duct Leakage Test Report**  
**Residential Prescriptive, Performance or ERI Method Compliance**  
**2023 Florida Building Code, Energy Conservation, 8th Edition**

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| Jurisdiction: <u>Columbia County</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Permit #: <u>000054551</u>         |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Job Information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Builder: <u>Michael Bishop</u> Community: <u>LAKE CITY</u> Lot: <u>NA</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Address: <u>876 S.W. WINGATE ST.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| City: <u>LAKE CITY</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | State: <u>FL</u> Zip: <u>32024</u> |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Duct Leakage Test Results</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="padding: 2px;">System 1</td><td style="padding: 2px;"><u>38</u> cfm25</td></tr><tr><td style="padding: 2px;">System 2</td><td style="padding: 2px;"><u>24</u> cfm25</td></tr><tr><td style="padding: 2px;">System 3</td><td style="padding: 2px;">_____ cfm25</td></tr><tr><td style="padding: 2px;">Sum of others</td><td style="padding: 2px;">_____ cfm25</td></tr><tr><td style="padding: 2px;">Total of all</td><td style="padding: 2px;"><u>62</u> cfm25</td></tr></table><br><div style="display: flex; align-items: center; gap: 10px;"><div style="text-align: center;"><math display="block">\frac{62}{62 + 2500} = .03 \text{ Qn}</math><div style="display: flex; justify-content: space-between; font-size: 0.8em;"><span>Total of all systems</span><span>Total Conditioned Square Footage</span></div></div></div> | System 1                           | <u>38</u> cfm25 | System 2 | <u>24</u> cfm25 | System 3 | _____ cfm25 | Sum of others | _____ cfm25 | Total of all | <u>62</u> cfm25 | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"><p><input type="radio"/> <b>Prescriptive Method</b> cfm25 (Total)</p><p>To qualify as "substantially leak free" Qn Total 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. This testing method meets the requirements in accordance with Section R403.3.3.</p><p>Is the air handler unit installed during testing? <input type="checkbox"/> YES ( <math>\frac{Qn}{Qn}</math> ) <input type="checkbox"/> NO ( <math>\frac{Qn}{Qn}</math> )</p></div> <div style="border: 1px solid black; padding: 5px;"><p><input checked="" type="radio"/> <b>Performance/ERI Method</b> cfm25 (Out or Total)</p><p>To qualify using this method, Qn must not be greater than the proposed duct leakage Qn specified on Form R405-2023 or R406-2023</p><div style="display: flex; justify-content: space-between; font-size: 0.8em;"><span>Leakage Type selected on Form R405-2023 (EnergyCalc) or R406-2023</span><span>Qn specified on Form R405-2023 (EnergyCalc) or R406-2023</span></div><div style="display: flex; justify-content: space-around; margin-top: 10px;"><div style="border: 1px solid black; padding: 5px; width: 45%;">Proposed Leak Free</div><div style="border: 1px solid black; padding: 5px; width: 45%;">0.030</div></div></div> |
| System 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>38</u> cfm25                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| System 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <u>24</u> cfm25                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| System 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | _____ cfm25                        |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sum of others                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | _____ cfm25                        |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Total of all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <u>62</u> cfm25                    |                 |          |                 |          |             |               |             |              |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |