CITY OF BONITA SPRINGS

Community Development Department
9220 Bonita Beach Road, Ste. 111
Bonita Springs, FL 34135
Phone: (239) 444-6150
email: permitting@cityofbonitaspringscd.org

ENVELOPE (BLOWER DOOR) LEAKAGE TEST REPORT (2024)

Jurisdiction:		**Permit Number:**	
Job Information			
Builder:		**Community:**	
Address:	**Lot:**	**City: Bonita Springs, FL**	**Zip:**

Air Leakage Test Results *Passing results must meet either the Performance, Prescriptive, or ERI Method*

☐ **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.

☐ **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—2023 (Performance) or R406—2023 (ERI), section labeled as infiltration, sub-section ACH50.

ACH(50) specified on Form R405—2023-Energy Calc (Performance) or R406-2023 (ERI): _____

Method for calculating building volume:

☐ Retrieved from architectural plans ☐ Code software calculated ☐ Field measured and calculated

_____ CFM(50) x 60 ÷ _____ Building Volume = _____ ACH(50) ☐ **PASS**

☐ When ACH(50) is less than 3, mechanical ventilation installation must be verified by building department.

R402.4.1.2 Testing. 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 by Section 553.993(5) or (7), *Florida Statues*, 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 *code official*. Testing shall be performed at any time after creation of all penetrations of the *building thermal envelope*.

During testing:

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. Damper 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.

Testing Company	
Company Name:	**Phone:**

I hereby verify that the above Air Leakage results are in accordance with the 2023 8th Edition Florida Building Code, Energy Conservation requirements according to the compliance method selected above.

Signature of Tester:	**Test Date:**
Printed Name of Tester:	
License/Certification #:	**Issuing Authority:**

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DUCT LEAKAGE TEST REPORT (2024)

Jurisdiction:		**Permit Number:**	
Job Information			
Builder:		**Community:**	
Address:	**Lot:**	**City: Bonita Springs, FL**	**Zip:**

Duck Leakage Test Results ☐ **Prescriptive Method** ☐ **Performance/ERI Method**

System 1 _____ cfm25	☐ **Prescriptive Method** cfm25 (Total)
System 2 _____ cfm25	To qualify as "substantially leak free", Q_n Total must be less than or equal to 0.04 if air handler unit is installed. If air handler unit is not installed, Q_n Total must be less than or equal to 0.03. This testing method meets the requirements in accordance with Section R403.3.3.
System 3 _____ cfm25	*Is the air handler unit installed during testing?*
Sum of any others _____ cfm25	☐ YES (=0.04 Q_n) ☐ NO (=0.03 Q_n)
Total of all _____ cfm25	
_____ Total of all systems ÷ _____ Total Conditioned Sq. Ft. = _____ Q_n ☐ **PASS** ☐ **FAIL**	☐ **Performance/ERI Method** cfm25 (Out or Total) To qualify using this method, Q_n must not be greater than the proposed duct leakage Q_n specific on Form R405—2023 or R406—2023 Leakage Type selected on Form R405—2023 (EnergyCalc) or R406—2023 / Q_n specified on Form R405—2023 (EnergyCalc) or R406—2023

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 Statues*, or individuals as set forth in Section 489.105(3)(f), (g) or (i), *Florida Statues*.

Testing Company

Company Name: **Phone:**

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: **Test Date:**

Printed Name of Tester:

License/Certification #: **Issuing Authority:**