

# **\*\*NOTICE\***

## **Re: Blower Door Testing and Mechanical Ventilation (Required for permits submitted on July 1, 2017 and after)**

The Fifth Edition of the Florida Building Code (FBC) requires Blower Door Testing (BDT) for all NEW residential dwelling units. This would include single family houses, town houses, duplexes, and each condominium and apartment unit where the building is three stories or less.

The purpose of this bulletin is to provide direction on who can perform the testing, what needs to be submitted to the Building Division, and when it needs to be submitted.

### **\*NOTES:**

Blower door test results of three (3) ACH to seven (7) ACH do not require mechanical ventilation.

Blower door test results lower than three (3) ACH require that the home have supplemental ventilation.

Blower door test results over seven (7) ACH fail, and will not be accepted.

### **Individuals who can conduct the test include:**

1. Individuals defined under FS 553.993 (5) or (7)
  - Energy Rater or Residential Field Inspector currently certified through RESNET
  - Energy Auditor, Infiltration and Duct Leakage Technician or Building Analyst currently certified through BUILDING PERFORMANCE INSTITUTE
2. Individuals licensed under FS 489.105(3)(f), (g) or (i); who has the appropriate certificate of training.
  - Class A Air Conditioning Contractor
  - Class B Air Conditioning Contractor
  - Mechanical Contractor

Note: Contractors may not certify buildings which they participated in the construction thereof.

3. Individuals approved by the Building Official after providing proof of qualifications.

Blower Door Testing reports shall be signed by the qualified individual and submitted to the Citrus County Building Division prior to issuance of the Certificate of Occupancy.

To be approved as a BDT individual in Citrus County, you must register with the Building Division, showing proof of licensure and/or certification as shown above and provide proof of liability insurance, workers' compensation insurance or exemption and proof of business tax receipt from the local jurisdiction of the individual or their business.

If you wish to be approved, please email your qualifications to [permit@citrusbocc.com](mailto:permit@citrusbocc.com) Once approved, you will be emailed notification of your acceptance and your BDT number. Your BDT number is to be used when completing the blower door test form. Please note, the BDT number is issued to an individual, not a company. The person with that number is the one that must supervise the tests and is responsible for the accuracy of the reports.

### **What needs to be submitted and when:**

The attached Blower Door Test Form (BDTF) is to be completed by the approved tester. The BDTF is to be provided to the building division prior to issuance of a Certificate of Occupancy.

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

## Envelope Leakage Test Report Prescriptive and Performance Method

Project Name:  
Street:  
City, State, Zip:  
Design Location:  
Cond. Floor Area.:

Builder Name:  
Permit Office:  
Permit Number:  
Jurisdiction:  
Cond. Volume:

### Envelope Leakage Test Results

Regression Data:

C: \_\_\_\_\_ n: \_\_\_\_\_ R: N/A

Single Point Test Data:

	HOUSE PRESSURE	FLOW:

### Leakage Characteristics

CFM(50): \_\_\_\_\_

ELA: \_\_\_\_\_

EqLA: \_\_\_\_\_

ACH: \_\_\_\_\_

SLA: \_\_\_\_\_

ACH(50) \* : \_\_\_\_\_

\* For prescriptive projects, tested leakage must be  $\leq 7$  ACH(50). For performance projects, tested leakage must be  $\leq$  the ACH(50) shown on Form R405-2014 for this project.

**R402.4.1.2 Testing.** The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 7 air changes per hour in Climate Zones 1 and 2. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Testing shall be conducted 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) 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. 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; and
6. Supply and return registers, if installed at the time of the test, shall be fully open.

I hereby certify that the above envelope leakage performance results demonstrate compliance with Florida Energy Code requirements in accordance with Section R402.4.1.2.

**SIGNATURE:** \_\_\_\_\_

**PRINTED NAME:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**BDT Number** \_\_\_\_\_

Testing shall be conducted 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) or an approved third party. A written report of the results of the test shall be signed by the third party conducting the test and provided to the code official.



**BUILDING OFFICIAL:** \_\_\_\_\_

**DATE:** \_\_\_\_\_