



BLOWER DOOR TESTING REGISTRATION NOTICE

Community Development Dept. | 9220 Bonita Beach Road, Ste. 111 | Bonita Springs, FL 34135 | (239) 444-6150 | permitting@cityofbonitaspringscd.org

Mandatory Residential Air Infiltration (Blower Door) Testing begins July 1, 2017 Duct Leakage testing already required if default not used

Florida Energy Conservation Building Code States:

Effective July 1st 2017; New Construction on residential buildings or dwelling units shall have mandatory Blower Door Testing performed by an Approved Individuals.

Certification Reports will be accepted from the following Individuals (Blower Door and Duct Leakage):

1. Individuals defined under FS 553.993 (5) or (7)
2. *Individuals licensed under FS 489.105(3)(f), (g) or (i)
3. Must be third party individual no conflict of interest

To become registered with the Building Division, you must submit:

1. proof of licensure and/or approved certification and/or approved qualification
2. proof of liability insurance
3. workman's compensation insurance or exemption
4. proof of Business Tax Receipt for the agency
5. *FS 489 licensed individuals will need to submit proof of certification from an approved organization indicating education, training, use, and evaluation of testing results for the blower door and duct testing equipment and procedures

Blower Door Testing reports verifying 7 air changes per hour or less and Duct Leakage 4 CFM/100sqft or less must be submitted prior to the issuance of Certificate of Occupancy, signed by the registered, qualified individual who performed the test.

Enacting code (R101.4.9 and R402.4.1.2) is found in the 2016 supplement:

http://www.floridabuilding.org/fbc/thecode/2017_Code_Development/Glitch_2016/2016_Supplement_to_the_5th_Edition_2014_FBC.htm



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RE: Building Conditioned Volume* added/included on plans. Applies to 1 & 2 Family Dwellings, Townhouses, Group R-2, R-3 and R-4 buildings three stories or less in height.

Effective Date: 7/1/17 (Permit Application Date)

Code Sections: FBC Energy Conservation R101.4.9, R402.4.1.2

2016 Glitch R101.4.9 Blower door testing. The mandatory blower door testing for residential buildings or dwelling units as contained in section R402.4.1.2 of the Florida Building Code, 6th Edition (2017) Energy Conservation, shall not take effect until July 1, 2017, and shall not apply to construction permitted before July 1, 2017.

FBC, Energy R402.4.1.2 Blower Door Air Infiltration

- IRC Climate Zone 2 **Max ACH 7 (7/1/16 Glitch)**
- Calculation **CFM(50) x 60/Conditioned Volume = ACH(50)**

2016 Glitch 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 (includes IRC), and 3 air changes per hour in Climate Zones 3 through 8.** 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 weather stripping 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.

REQUIREMENT:

In order to verify the certified numbers and calculations in the required Blower Door (air infiltration) test reports, the Conditioned Volume must be indicated on the submitted plans. The volume is a required variable in the equation used in the required calculation to determine the ACH air changes per hour. Without the volume being known the certification cannot be accurately verified.

NOTE: *Unvented Attic included in Conditioned Volume.