

Bulletin #18: Blower Door Testing

EFFECTIVE DATE: July 1, 2017, Revised Date: March 27, 2018
TO: All Staff
FROM: Jonathan Walsh, Chief Building Official
SUBJECT: Blower Door Testing

Reference **FBC 6th Edition 2017: Energy R402.1.2, Residential M1507 and R303.4, Commercial Mechanical 401.2 and HB 535** Supplemental amendments

1. This applies to **NEW CONSTRUCTION** and **ADDITIONS**, or **ALTERATIONS** exceeding 85% of the building thermal envelope per FBC Existing Building 6th Edition 2017.
2. Affected building types include **Residential 1 and 2 Family & Townhouses** as well as **R - 2, R - 3, and R - 4 Multi-Family dwellings up to 3 stories**.
3. Blower Door Test to be conducted **AFTER** all penetrations of the *building thermal envelope* have been made immediately **BEFORE** Building Final Inspection (115).
4. Blower Door Test must be: **ACH (50) = 7 or less**. However, if **ACH(50) < 3**, Mechanical Ventilation is **REQUIRED** and abatement method must be verified by the Growth Management Department (GMD), per FBC Residential 6th Edition (2017)
5. The **Envelope Leakage Test Report** must be completed and signed by the **Approved 3rd Party Certified Individual** performing the testing.
6. Submit completed reports to the GMD office via email:
BlowerDoorTests@colliercountyfl.gov
7. Reports must be accepted and resolved by the building department prior to issuance of Certificate of Occupancy.
8. Blower Door Testing must be conducted by an **Approved 3rd Party Certified Individual**, which includes the following:
 - a. Design Professional
 - b. RESNET / BPI Certified Energy Auditor or Energy Rater
 - c. Individuals licensed under FS 489.105(3) (f), (g), or (i) as:



- i. Class A Air Conditioning Contractor
 - ii. Class B Air Conditioning Contractor
 - iii. Mechanical Contractor
 - iv. Alternative equivalent certifications will require pre-approval. To obtain pre-approval, submit the proposal, including certification curriculum, by email with the subject line "Pre-Approval" and send to BlowerDoorTests@colliercountyfl.gov,
- d. The company performing the Blower Door Test **MUST** be registered with the Growth Management Department, showing proof of licensure and/or certification, proof of liability insurance, workman's compensation, and business tax receipt.
9. The Approved Standard for Blower Door Test: **ANSI / RESNET / ICC 380 – 2016.**