

ONE POINT BLOWER DOOR TEST

Name: _____ Address: _____

Dates for: Pre-_____ Post-_____ Test Done By: _____

Test Location: _____

Comments: _____

Pre-Test

Depress/Press

Pascals	Ring	CFM

Post-Test

Depress/Press

Pascals	Ring	CFM

Building Preparation For A Blower Door Test

- _____ 1. Explain to client what you will be doing and what is expected of them during the visit.
- _____ 2. Check to be sure that small children and pets will not be exposed to drafts caused by the test.
- _____ 3. If wind speed is excessive, document and refer to agency guidelines. Remember that **ALL** homes are to have blower door tests.
- _____ 4. Close and latch all doors and windows that communicate with the exterior of the building, and place building in “Winter Time Conditions”.
- _____ 5. Equalize the pressure within the conditioned area by opening all interior doors.
- _____ 6. Turn off, close, and seal all air conditioners and evaporative coolers where applicable.
- _____ 7. Turn off all exhaust fans, vented dryers, and ventilation systems.
- _____ 8. All fuel-burning appliances are to be turned off, down, or put on pilot; whichever is applicable.
- _____ 9. Close off, or seal fireplace or wood stove doors, dampers, combustion air inlets, etc. where applicable.
- _____ 10. If fire is out and cold, vacuum out ashes from fireplaces, wood burning stoves, etc. If fire is going or still warm a Blower Door Pressurization test may be applicable. Document reasons and circumstances for a delayed test. Remember, no air infiltration work can be done until a pre-blower door test has been performed. Under NO circumstance can a de-pressurized blower door test be performed while the fire is going or still warm.

- _____ 11. If de-pressurizing, fill all plumbing traps with water including floor drains.
- _____ 12. Inform client to avoid unnecessary entry/exit until test is complete

Blower Door Test Procedures

- _____ 1. You may pressurize or de-pressurize. Decide which test best applies to the building. Remember set-up is unique for each test. Reference “Quick Guides” from the manufacturer.
- _____ 2. Install blower door frame, panel, and fan in an exterior doorway with clear path to outdoors.
- _____ 3. Make pre-test adjustments to digital manometers following manufacturer’s instructions.
- _____ 4. Bring house pressure to 50 Pascals and record CFM.
- _____ 5. If applicable apply “Cant Reach Fifty Calculations”. Newer digital gauges (DG-700) will perform this calculation for you.
- _____ 6. Inspect building for air leaks during the blower door test. A smoke gun is a great visual aid. Document leakage areas.
- _____ 7. For complicated buildings use a digital gauge to check pressure differences between conditioned zones that are separated by a closed door. Attics, bedrooms, and kitchen cabinets are some examples.
- _____ 8. During periods of cold and when blower door is up and not in use, cover fan opening.
- _____ 9. After testing, return everything to the original operating position and condition. Document any changes and tell client what is different.

Comments