

Residential Building Air Leakage Test (Blower Door Test) Results

Permit #: BLD-2019-0833

House address or lot number: 1211 10th St

City: Anacortes Zip: 98221

Cond. Floor Area (ft²): 1812 Age of house: <1yr

Source (circle one): Plans Estimated Measured

Results shall be reported as Air Changes per Hour at 50 Pascals (ACH₅₀) and shall be calculated as follows:
ACH₅₀ = (CFM50 x 60) / Volume

Where:
CFM50 = Blower door fan flow at 50 Pascal pressure difference
Volume = Conditioned Floor Area of the housing unit x ceiling height

Blower Door Test Result: 5.10 ACH₅₀
1618.6 CFM@50Pa

Ring (circle one if applicable): Open A B C

Blower Door Fan Location: Back foyer door Weather Conditions: 48deg 7mph

I certify that these blower door results are accurate and determined using standard industry protocol.

Company Name: Building Performance Center Technician: Sean Slocum

Technician Signature: Sean R. Slocum Date: 2/16/21 Phone Number: 360-739-0744

2015 Washington State Energy Code reference:
R402.4.1.2 Testing. The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 5 air changes per hour. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). Where required by the *code official*, testing shall be conducted by 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*. Once visual inspection has confirmed sealing (see Table R402.4.1.1), operable windows and doors manufactured by *small business* shall be permitted to be sealed off at the frame prior to the test.

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, access hatches to conditioned crawl spaces and conditioned attics shall be open;
4. Exterior openings 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.