



## Residential Building Air Leakage (Blower Door) Test Results

Permit #:			
House address or lot number:			
City, ZIP			
Cond. Floor Area (sf):			
Age of house:			
Source (circle one):	Plans	Estimated	Measured

Results shall be reported as Air Changes per Hour at 50 Pascals (ACH<sub>50</sub>) and shall be calculated as follows:

$$ACH_{50} = (CFM_{50} \times 60) / \text{Volume}$$

Where:

CFM<sub>50</sub> = Blower door fan flow at 50 Pascal pressure difference

Volume = Conditioned Floor Area of the housing unit x ceiling height

**Blower Door Test Result:** \_\_\_\_\_ ACH<sub>50</sub>  
 \_\_\_\_\_ CFM@50Pa

Ring (circle one if applicable):	Open	A	B	C
Blower Door Fan Location:				
Weather Conditions:				

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

Company Name:	
Technician:	
Technician Signature:	
Date:	
Phone Number:	

**2018 WSEC 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 ACH<sub>50</sub>. Testing shall be conducted with a blower door at a pressure of 0.2 inches w.g. (50 Pascals). For this test only, the volume of the home shall be the conditioned floor area on ft<sup>2</sup> (m<sup>2</sup>) multiplied by 8.5 feet (2.6 m). 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 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, 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.