

BUILDING LEAKAGE TEST

Date of Test: 3/2/2020
Test File: 58-1687 Brumm

Technician: Mark Fredenberg

Customer: Ultimate /Brumm

Building Address: W8921 Ripley Road
Cambridge, WI 53523

Phone

Test Results

- Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.)
410 CFM
0.63 ACH
0.10 CFM per ft² floor area
 - Leakage Areas:
42.3 in² Canadian EqLA @ 10 Pa
22.5 in² LBL ELA @ 4 Pa
 - Minneapolis Leakage Ratio: 0.05 CFM50 per ft² surface area
 - Building Leakage Curve: Flow Coefficient (C) = 32.2
Exponent (n) = 0.650 (Assumed)
 - Test Settings: Test Standard: = CGSB
Test Mode: = Depressurization
Equipment = Model 3 Minneapolis Blower Door
-

Infiltration Estimates

- Estimated Average Annual Infiltration Rate: 22.5 CFM
0.03 ACH
5.6 CFM per person
 - Estimated Design Infiltration Rate: Winter: 29.6 CFM
0.05 ACH
Summer: 16.2 CFM
0.03 ACH
 - Recommended Whole Building Mechanical Ventilation Rate: (based on ASHRAE 62.2-2003) 70.7 CFM
-

Cost Estimates

- Estimated Cost of Air Leakage for Heating: \$ 28 per year heating
- Estimated Cost of Air Leakage for Cooling: \$ 9 per year cooling