

BUILDING LEAKAGE TEST

Date of Test: 9/10/20
Test File: 58-1758 Kavanaugh_Spec 1033

Technician: Mark Fredenberg

Customer: Ultimate / Kavanaugh_Spec

Building Address: 1033 Vilas Avenue
Madison, WI 53715

Phone

Test Results

- Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.)
556 CFM (+/- 0.4 %)
1.31 ACH
0.20 CFM per ft² floor area
 - Leakage Areas:
55.5 in² (+/- 3.4 %) Canadian EqLA @ 10 Pa
28.9 in² (+/- 5.4 %) LBL ELA @ 4 Pa
 - Minneapolis Leakage Ratio: 0.09 CFM50 per ft² surface area
 - Building Leakage Curve:
Flow Coefficient (C) = 40.2 (+/- 8.4 %)
Exponent (n) = 0.671 (+/- 0.022)
Correlation Coefficient = 0.99791
 - Test Settings:
Test Standard: = CGSB
Test Mode: = Depressurization
Equipment = Model 3 Minneapolis Blower Door
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Infiltration Estimates

- Estimated Average Annual Infiltration Rate:
35.1 CFM
0.08 ACH
8.8 CFM per person
(using bedrooms + 1)
 - Estimated Design Infiltration Rate:
Winter: 48.6 CFM
0.11 ACH
Summer: 23.4 CFM
0.06 ACH
 - Recommended Whole Building Mechanical
Ventilation Rate: (based on ASHRAE 62.2-2003) 57.1 CFM
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Cost Estimates

- Estimated Cost of Air Leakage for Heating: \$ 44 per year heating
- Estimated Cost of Air Leakage for Cooling: \$ 14 per year cooling