

BUILDING LEAKAGE TEST

Date of Test: 6/7/21
Test File: 58-1811 Hottmann

Technician: Justin Cowen

Customer: Ultimate / Hottmann

Building Address: 4510 Hwy 73
Deerfield, WI 53531

Phone

Test Results

1. Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.)
947 CFM (+/- 0.5 %)
1.12 ACH
0.19 CFM per ft2 floor area
 2. Leakage Areas:
114.1 in2 (+/- 4.6 %) Canadian EqLA @ 10 Pa
66.2 in2 (+/- 7.2 %) LBL ELA @ 4 Pa
 3. Minneapolis Leakage Ratio: 0.09 CFM50 per ft2 surface area
 4. Building Leakage Curve: Flow Coefficient (C) = 108.3 (+/- 11.3 %)
Exponent (n) = 0.554 (+/- 0.029)
Correlation Coefficient = 0.99455
 5. Test Settings: Test Standard: = CGSB
Test Mode: = Depressurization
Equipment = Model 3 Minneapolis Blower Door
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Infiltration Estimates

1. Estimated Average Annual Infiltration Rate: 71.5 CFM
0.08 ACH
17.9 CFM per person
 2. Estimated Design Infiltration Rate: Winter: 87.0 CFM
0.10 ACH
Summer: 47.8 CFM
0.06 ACH
 3. Recommended Whole Building Mechanical Ventilation Rate: (based on ASHRAE 62.2-2003) 79.6 CFM
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Cost Estimates

1. Estimated Cost of Air Leakage for Heating: \$ 65 per year heating
2. Estimated Cost of Air Leakage for Cooling: \$ 20 per year cooling