

BUILDING LEAKAGE TEST

Date of Test: 2/24/14

Test File: Building Leakage Final

Customer:

Technician: DCK

Project Number:

Building Address: 6 Front
Bath, Maine

Test Results

- Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.)
1278 CFM50
9.35 ACH50
0.9553 CFM50/ft² floor area
0.6602 CFM50/ft² surface area
 - Leakage Areas:
131.9 in² Canadian EqLA @ 10 Pa
70.2 in² LBL ELA @ 4 Pa
 - Building Leakage Curve:
Flow Coefficient (C) = 100.5
Exponent (n) = 0.650 (Assumed)
 - Test Settings:
Test Standard: CGSB
Test Mode: Depressurization
-

Infiltration Estimates

- Estimated Average Annual Infiltration Rate:
72.8 CFM
0.53 ACH
24.3 CFM per person
(using bedrooms + 1)
 - Estimated Design Infiltration Rate:
Winter: 119.9 CFM Summer: 58.3 CFM
0.88 ACH 0.43 ACH
-

:

Mechanical Ventilation Guideline (based on ASHRAE 62.2-2010)

Recommended Whole Bldg Rate:	12.9 CFM
Base Rate:	35.9 CFM
Supplemental Rate:	0.0 CFM
Infiltration Credit:	<23.0 CFM>

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Building Information

Volume	8200
Surface Area	1936
Floor Area	1338
Height	16
# of Bedrooms	2
# of Occupants	2
Year of Construction	
Wind Shield	M

Location Climate Information

Ventilation Weather Factor	0.91
Energy Climate Factor	19.00
Heating Degree Days	7378
Cooling Degree Days	66
Design Winter Wind Speed	9.0 mph
Design Summer Wind Speed	7.0 mph
Design Winter Temp Diff	71 deg F
Design Summer Temp Diff	9 deg F

Heating and Cooling Cost and Efficiency Information

Heating Fuel	Oil
Heating Fuel Cost	
Heating Efficiency %	
Cooling Fuel Cost	
Cooling SEER	

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Model 3 (110V)		Default
Micromanometer	Energy Conservatory	DG700		

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Depressurization Test:

Environmental Data

Indoor Temperature (°F)	Outdoor Temperature (°F)
68.0	28.0

Data Points - Data Entered Manually

Nominal Building Pressure (Pa)	Baseline Building Pressure (Pa)	Adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (cfm)	Adjusted Flow (cfm)	% Error	Fan Configuration
-4.0	n/a	n/a	n/a				
-50.0	-46.2		48.6	1263	1214	0.0	Ring A
-3.6	n/a	n/a	n/a				

Deviations from Standard CGSB - Test Parameters

- Test data was not collected at all 8 recommended target building pressures.

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Comments

None
