(Post-construction)
Envelope Leakage Test

THE ENERGY CONSERVATORY

Testing Company:

Name: Maine Blower Door Testing
Address: PO Box 513
Belfast, ME 04915
Phone: (207) 691-6817
maineblowerdoortest.com

Technician:

Name: Svea Tullberg
Credentials: BPI Certified - Infiltration & Duct Leakage 5005202
Email: svea@maineblowerdoortest.com

Building Information:

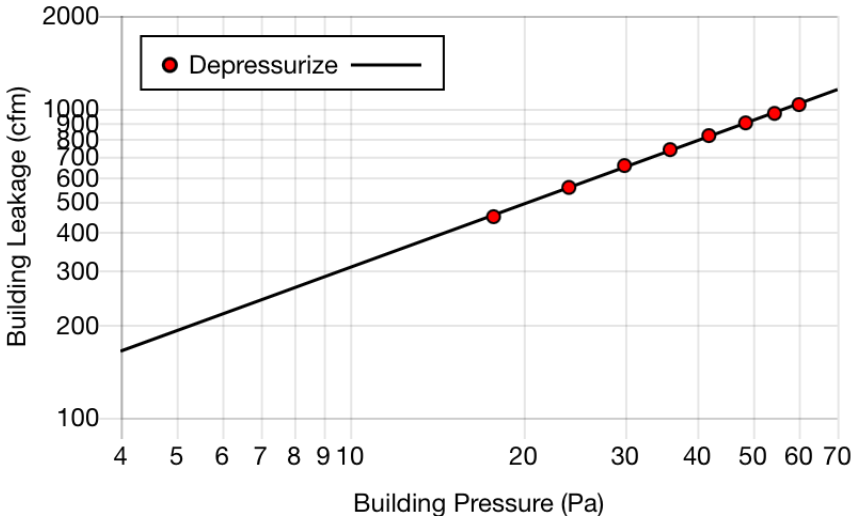
Project ID: 25-0305 - Robert Morrison - 358 High St
Address: 356 High St
Belfast, ME 04915
Year Built: 1994
Geo-Tag Data: Latitude:
Longitude:
Timestamp:

Customer Information:

Name: Robert Morrison
Address: 2000 Level Hill Rd
Palermo, ME 04354
Phone: (508) 561-7553
Email: rlm@octoberengineering.com

Measured Leakage: **1.74 ACH50**
Leakage Target: **3.00 ACH50**
Compliance with Leakage Target: **Pass**

Test ID:	Test 1	
Purpose of Test:	Envelope (IECC 12/15)	
Measured CFM50:	917.9 (+/- 1.0%)	Effective Leakage Area: 46.6 in²
Building Volume:	31,647.3 ft³	Enclosure Surface Area: 0.0 ft²
Coefficient (C):	63.9 (+/- 7.3%)	Exponent (n): 0.681 (+/- 0.020)
Correlation Coefficient:	0.99956	
Test Standard:	ASTM E779 (single mode)	Test Mode: Depressurize
Test Characteristics:	Pre Indoor Temp: 60 °F	Post Indoor Temp: 60 °F
	Pre Outdoor Temp: 44 °F	Post Outdoor Temp: 44 °F
	Altitude: 130.0 ft	Time Average Period: 10 seconds
Test Date and Time:	2025-03-05 15:07:36	



Envelope Leakage Test

Test Readings:

Target (Pa)	Bldg (Pa)	Adj Bldg (Pa)	Fan (Pa)	Flow (cfm)	Config
Baseline	-1.1				
-60.0	-61.1	-60.1	-34.6	1,070.0	Ring A
-54.0	-55.5	-54.5	-30.2	1,001.8	Ring A
-48.0	-49.5	-48.5	-26.2	933.6	Ring A
-42.0	-42.9	-41.9	-205.5	849.1	Ring B
-36.0	-36.9	-35.9	-166.5	765.0	Ring B
-30.0	-30.9	-29.9	-131.0	679.2	Ring B
-24.0	-25.0	-24.0	-94.3	577.2	Ring B
-18.0	-18.7	-17.7	-60.7	464.0	Ring B
Baseline	-0.9				

Test Equipment:

Flow Device: Model 3 110V Fan
Pressure Gauge: DG1000
Serial #: 10335
Calibration Date: 2022-01-18

Deviations from Standard:

- None

Comments:

Test Conditions: Volume includes crawlspace and attic. Tested both units at once from mechanical access area which at this time of the test was well connected to both units. Interior doors open, windows closed and locked. ERV and plumbing traps taped off, except for one sink which we missed.

Comments: Great job! A big improvement from the original building envelope.

(Pre-construction, Baseline)

Envelope Leakage Test

Testing Company:

Name: Maine Blower Door Testing
Address: 84 W Main St
Liberty, ME 04949
Phone: (207) 691-6817
maineblowerdoortest.com

Technician:

Name: Svea Tullberg
Credentials: BPI Certified - Infiltration & Duct Leakage 5005202
Email: svea@maineblowerdoortest.com

Building Information:

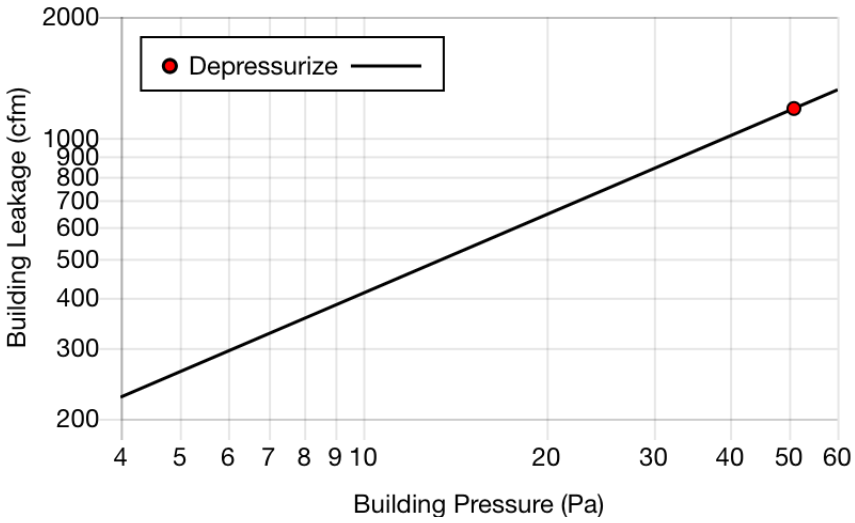
Project ID: 23-1206 - Robert Morrison - 358 High St
Address: 356 High St
Belfast, ME 04915
Year Built: 1994
Geo-Tag Data: Latitude: 44.435000
Longitude: -69.018449
Timestamp: 2023-12-06 10:21:37

Customer Information:

Name: Robert Morrison
Address: 2000 Level Hill Rd
Palermo, ME 04354
Phone: (508) 561-7553
Email: rlm@octoberengineering.com

Measured Leakage: 3.68 ACH50

Test ID:	Test 1	
Purpose of Test:	IECC 2015	
Measured CFM50:	1,168.7	Effective Leakage Area: 64.3 in²
Building Volume:	19,054.0 ft³	Enclosure Surface Area: 0.0 ft²
Coefficient (C):	91.9	Exponent (n): 0.650 (assumed)
Test Standard:	RESNET 380 One-Point	Test Mode: Depressurize
Test Characteristics:	Indoor Temp: 60 °F	Outdoor Temp: 22 °F
	Altitude: 125.0 ft	Time Average Period: 10 seconds
Test Date and Time:	2023-12-06 10:45:54	



Envelope Leakage Test

Test Readings:

Target (Pa)	Bldg (Pa)	Adj Bldg (Pa)	Fan (Pa)	Flow (cfm)	Config
Baseline	-1.8				
-50.0	-52.8	-50.9	-49.3	1,271.5	Ring A

Test Equipment:

Flow Device: Model 3 110V Fan
Pressure Gauge: DG1000
Serial #: 10335
Calibration Date: 2022-01-18

Deviations from Standard:

- None

Comments:

Test Conditions: Tested house as-is. Volume includes crawlspace. Tested both units at once with all interior doors open. Nothing taped off.