

Envelope Leakage Test

Testing Company:

Name: Building Knowledge
Address:

Technician:

Name: Zachary Hoff
Credentials: RFI
Email: zach@ulrichenergyauditing.com

Building Information:

Project ID: 404 Faversham Road, Willernie
Address: 404 Faversham Road
Geo-Tag Data: Latitude: 45.054106
Longitude: -92.955515
Timestamp: 2020-09-17 10:45:43

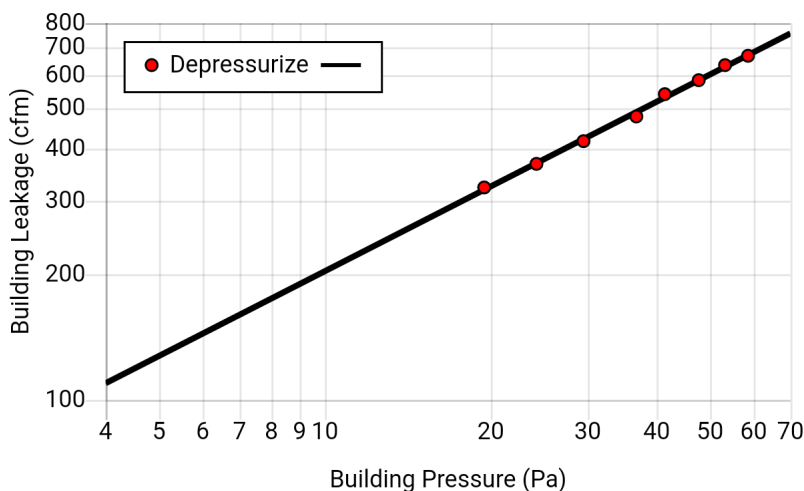
Customer Information:

Name: Sharkey Design Build
Address:

Measured Leakage: 1.93 ACH50
Leakage Target: 3.00 ACH50
Compliance with Leakage Target: Pass

Test ID: 9-17-20_BDoor Report
Purpose of Test: IECC 12/15 Env. Leakage
Measured CFM50: 602.0 (+/- 1.7%)
Building Volume: 18,679.0 ft³
Coefficient (C): 43.0 (+/- 12.9%)
Correlation Coefficient: 0.99860
Test Standard: ASTM E779 (single mode)
Test Characteristics: Pre Indoor Temp: 70 °F
Pre Outdoor Temp: 50 °F
Altitude: 881.0 ft
Test Date and Time: 2020-09-17 10:47:51

Effective Leakage Area: 31.1 in²
Enclosure Surface Area: 4,876.0 ft²
Exponent (n): 0.674 (+/- 0.036)
Test Mode: Depressurize
Post Indoor Temp: 70 °F
Post Outdoor Temp: 50 °F
Time Average Period: 10 seconds



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Test Readings:

<u>Target (Pa)</u>	<u>Bldg.(Pa)</u>	<u>Adj Bldg.(Pa)</u>	<u>Fan (Pa)</u>	<u>Flow (cfm)</u>	<u>Config</u>
Baseline	-0.7				
-60.0	-60.1	-58.6	-134.2	687.5	Ring B
-54.0	-54.8	-53.3	-120.9	652.9	Ring B
-48.0	-49.2	-47.7	-102.3	600.9	Ring B
-42.0	-42.9	-41.4	-87.6	556.3	Ring B
-36.0	-38.3	-36.8	-68.3	491.8	Ring B
-30.0	-31.0	-29.5	-51.9	429.2	Ring B
-24.0	-25.7	-24.2	-40.3	378.6	Ring B
-18.0	-21.0	-19.5	-31.0	332.4	Ring B
Baseline	-2.3				

Test Equipment:

Flow Device: Model 3 110V Fan
Pressure Gauge: DG1000
Serial #: 2377
Calibration Date: 2018-09-18

Deviations from Standard:

- None
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Comments:

None
