

BUILDING LEAKAGE TEST

Date of Test: 2/17/2014

Test File: 2014-02-17 6706 (E Adams) Test 01

Customer:

Technician: K. Ueno

Project Number:

Building Address: East Unit-Adams Lot 7?
6706 Central Avenue
Capitol Heights, MD

Test Results

- Airflow at 50 Pascals:
(50 Pa = 0.2 w.c.)
1307 CFM50 (+/- 0.7 %)
5.46 ACH50
0.7688 CFM50/ft² floor area
0.3005 CFM50/ft² surface area
 - Leakage Areas:
138.0 in² (+/- 2.1 %) Canadian EqLA @ 10 Pa
74.5 in² (+/- 3.6 %) LBL ELA @ 4 Pa
 - Building Leakage Curve:
Flow Coefficient (C) = 108.7 (+/- 5.8 %)
Exponent (n) = 0.636 (+/- 0.016)
Correlation Coefficient = 0.99810
 - Test Settings:
Test Standard: CGSB
Test Mode: Depressurization
-

Infiltration Estimates

- Estimated Average Annual Infiltration Rate:
 - Estimated Design Infiltration Rate:
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Cost Estimates

- Estimated Cost of Air Leakage for Heating:
- Estimated Cost of Air Leakage for Cooling:

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Building Information

Volume	14375.6
Surface Area	4350
Floor Area	1700
Height	
# of Bedrooms	3
# of Occupants	4
Year of Construction	2014
Wind Shield	M

Location Climate Information

Ventilation Weather Factor	
Energy Climate Factor	
Heating Degree Days	
Cooling Degree Days	
Design Winter Wind Speed	
Design Summer Wind Speed	
Design Winter Temp Diff	
Design Summer Temp Diff	

Heating and Cooling Cost and Efficiency Information

Heating Fuel	Gas
Heating Fuel Cost	
Heating Efficiency %	
Cooling Fuel Cost	
Cooling SEER	

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Duct Blaster B	0791	-

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Depressurization Test:

Environmental Data

Indoor Temperature (°F)	Outdoor Temperature (°F)
70.0	34.0

Data Points

Nominal Building Pressure (Pa)	Baseline Adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (cfm)	Adjusted Flow (cfm)	% Error	Fan Configuration
-6.9	n/a	n/a				
-57.2	-51.2	157.1	1385	1337	0.8	Open
-51.7	-45.7	133.4	1275	1231	-0.2	Open
-46.7	-40.6	114.9	1183	1142	-0.3	Open
-42.1	-36.1	97.1	1087	1050	-1.2	Open
-36.1	-30.0	77.4	969	936	-1.0	Open
-31.9	-25.9	66.1	896	865	0.6	Open
-26.7	-20.7	52.7	799	771	3.5	Open
-21.9	-15.8	33.4	635	613	-2.5	Open
-5.2	n/a	n/a				

Deviations from Standard CGSB - Test Parameters

None

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Comments

Test 1: As-found, furnace off, exhaust fan off
