BUILDING LEAKAGE TEST

Date of Test: 2/17/2014

Customer:

Test File: 2014-02-17 6700 (W Jefferson) Test 01

Technician: K. Ueno

Project Number:

Building Address: West Jefferson Lot 73
6700 Central Avenue
Capitol Heights, MD

Test Results

1. Airflow at 50 Pascals: (50 Pa = 0.2 w.c.)	1115 CFM50 (+/- 0.6 %) 3.93 ACH50 0.5565 CFM50/ft2 floor area 0.2292 CFM50/ft2 surface area
2. Leakage Areas:	124.6 in2 (+/- 1.7 %) Canadian EqLA @ 10 Pa 69.4 in2 (+/- 2.8 %) LBL ELA @ 4 Pa
3. Building Leakage Curve:	Flow Coefficient (C) = 106.3 (+/- 4.6 %) Exponent (n) = 0.601 (+/- 0.013) Correlation Coefficient = 0.99864
4. Test Settings:	Test Standard: CGSB Test Mode: Depressurization

Infiltration Estimates

1. Estimated Average Annual Infiltration Rate:

2. Estimated Design Infiltration Rate:

Cost Estimates

1. Estimated Cost of Air Leakage for Heating:
2. Estimated Cost of Air Leakage for Cooling:

Date of Test: 2/17/2014 Test File: 2014-02-17 6700 (W Jefferson) Test 01

Building Information

Volume	**17025.7**
Surface Area	**4865**
Floor Area	**2004**
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	-
Micromanometer	Energy Conservatory	DG700	38248-7	12/11/2013

Date of Test: 2/17/2014 Test File: 2014-02-17 6700 (W Jefferson) Test 01

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
-7.8	n/a	n/a				
-58.3	-51.3	110.0	1157	1117	-1.3	Open
-51.7	-44.7	97.0	1086	1049	0.6	Open
-46.6	-39.5	84.7	1015	980	1.2	Open
-42.5	-35.5	72.4	938	905	-0.2	Open
-37.7	-30.7	62.0	868	838	0.7	Open
-32.4	-25.3	48.5	767	740	-0.2	Open
-27.7	-20.7	38.7	684	660	0.7	Open
-23.4	-16.4	27.7	578	558	-2.2	Open
-6.3	n/a	n/a				

Deviations from Standard CGSB - Test Parameters

None

Date of Test: 2/17/2014 Test File: 2014-02-17 6700 (W Jefferson) Test 01

Comments

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