

Results after Home Owner Improvements

BUILDING LEAKAGE TEST COMPARISON

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Test #1	Test #2			
Test File: 7235 Grass Valley	Test File: 7235 Grass Valley 2			
Date of Test: 6-02-2009	Date of Test: 9-02-2009			
Test Results				
	Test #1	Test #2	Change	Percent
1. Airflow at 50 Pascals:	4965 CFM 33.94 ACH	2291 CFM 15.67 ACH	-2673 CFM -18.28 ACH	-53.8 % -53.8 %
2. CFM50 per ft2 Floor Area	4.53 CFM/ft2	2.09 CFM/ft2	-2.44 CFM/ft2	-53.8 %
3. Leakage Areas:				
Canadian EqLA @ 10 Pa:	512.6 in2	236.6 in2	-276.0 in2	-53.8 %
LBL ELA @ 4 Pa:	272.6 in2	125.8 in2	-146.8 in2	-53.8 %
4. Minneapolis Leakage Ratio: (CFM50 per ft2 Surface Area)	0.57	0.26	-0.30	-53.8 %
Infiltration Estimates				
1. Estimated Annual Average Infiltration Rate:	209.5 CFM 1.43 ACH	96.7 CFM 0.66 ACH	-112.8 CFM -0.77 ACH	-53.8 % -53.8 %
2. Estimated Design Infiltration Rate:				
Winter:	292.4 CFM 2.00 ACH	134.9 CFM 0.92 ACH	-157.4 CFM -1.08 ACH	-53.8 % -53.8 %
Summer:	221.7 CFM 1.52 ACH	102.3 CFM 0.70 ACH	-119.4 CFM -0.82 ACH	-53.8 % -53.8 %
Cost Estimates				
1. Estimated Costs of Air Leakage for Heating:	\$79	\$36	\$-42	-53.8 %
2. Estimated Costs of Air Leakage for Cooling:	\$97	\$45	\$-52	-53.8 %

CFM - Cubic Ft/Min

ACH - Air Changes/Hr