

Date of Test Customer:	t: 11/06/14 SWMHP 2401 Broadway Ave Slayton, MN 56172	Т	Test File: 625 Unit 110_06NOVEMBER14 Technician: Katherine Teiken Project Number:			
	Phone: 507-836-1613	3 Е	Building Address:	Building 625 Unit 110 St. Peter, MN		
Test Result	ts					
1. Airflow at 50 Pascals: (50 Pa = 0.2 w.c.)		662 CFM50 (+/- 1.5 %) 3.04 ACH50 0.4302 CFM50/ft2 floor area 0.1584 CFM50/ft2 surface area				
			57.2 in2 (+/- 7.2 %) Canadian EqLA @ 10 Pa 5.4 in2 (+/- 11.0 %) LBL ELA @ 4 Pa			
Exponent (n) =		Exponent (n) = 0	ent (C) = 50.0 (+/-16.7 %) = 0.660 (+/-0.042) pefficient = 0.98833			
4. Test Set	Settings: Test Standard: CGSB Test Mode: Depressurization					
Infiltration Estimates						
1. Estimated Average Annual Infiltration Rate:			40.4 CFM 0.19 ACH			
2. Estimated Design Infiltration Rate: Winter:			ter: 57.8 CFM 0.27 ACH	Summer:	26.4 CFM 0.12 ACH	
Cost Estim	ates					
1. Estimated Cost of Air Leakage for Heating:			\$ 50 per ye	\$ 50 per year heating		
2. Estimated Cost of Air Leakage for Cooling:		\$ 3 per ye	\$ 3 per year cooling			



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Building Information

Location Climate Information

Volume	13053
Surface Area	4177
Floor Area	1538
Height	16
# of Bedrooms	2
# of Occupants	
Year of Construction	2014
Wind Shield	Н

Ventilation Weather Factor	1.00
Energy Climate Factor	16.00
Heating Degree Days	7809
Cooling Degree Days	380
Design Winter Wind Speed	9.0 mph
Design Summer Wind Speed	7.0 mph
Design Winter Temp Diff	81 deg F
Design Summer Temp Diff	16 deg F

Heating and Cooling Cost and Efficiency Information

Heating Fuel	Gas		
Heating Fuel Cost	\$0.90/ccf		
Heating Efficiency %	95.00		
Cooling Fuel Cost	\$0.090/kwh		
Cooling SEER	14.5		

Equipment Information

Туре	Manufacturer	Model Serial Number		Custom Calibration Date	
Fan	Energy Conservatory	Model 3 (110V)		-	
Micromanometer	Energy Conservatory	DG700	37299-7	6/17/2013	



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Depressurization Test:

Indoor Temperature (°F)	Outdoor Temperature (°F)		
71.0	43.0		

Environmental Data

Data Points

Nominal Building Pressure (Pa)	Baseline Adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (cfm)	Adjusted Flow (cfm)	% Error	Fan Configuration
-8.1	n/a	n/a				
-86.8	-79.3	238.5	914	890	-0.8	Ring B
-75.3	-67.8	203.0	844	821	1.6	Ring B
-65.8	-58.2	171.4	776	755	3.3	Ring B
-59.3	-51.8	136.5	693	675	-0.3	Ring B
-50.8	-43.2	108.6	619	602	0.2	Ring B
-48.6	-41.0	83.0	542	527	-9.2	Ring B
-36.4	-28.8	59.0	457	445	-3.1	Ring B
-25.1	-17.5	38.6	371	361	8.9	Ring B
-7.1	n/a	n/a				-

Deviations from Standard CGSB - Test Parameters

- Correlation coefficient (0.988) outside of acceptable limits.

- % Error for one or more of the data test points is greater than 6%.

- One or more of the test data points was taken at a building pressure that differed by more than 2.5 Pascals from the target pressure.



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Comments

Interior multi family unit