

Air Leakage

Property
Watertown, SD

Weather: Huron, SD
12 Plex Towers
12 Plex Towers 2nd floor.blg

Organization
Johnson Environmental LLC
605-940-0759
Chris Johnson

Builder
Heilman Construction

HERS
ProjectedWorstCase
10-31-2014
Rater ID:8875892



Whole House Infiltration

	Blower Door Test	
	Heating	Cooling
Natural ACH	0.09	0.07
ACH @ 50 Pascals	1.43	1.43
CFM @ 25 Pascals	153	153
CFM @ 50 Pascals	240	240
Eff. Leakage Area (sq.in)	13.2	13.2
Specific Leakage Area	0.00007	0.00007
ELA/100 sf shell (sq.in)	0.36	0.36

Duct Leakage

Leakage to Outside Units				
CFM @ 25 Pascals				
CFM25 / CFMfan				
CFM25 / CFA				
CFM per Std 152				
CFM per Std 152 / CFA				
CFM @ 50 Pascals				
Eff. Leakage Area (sq.in)				
Thermal Efficiency				
Total Duct Leakage Units				
Total Duct Leakage				

Ventilation

Mechanical	Exhaust Only	ASHRAE
Sensible Recovery Eff. (%)	0.0	62.2-2010
Total Recovery Eff. (%)	0.0	
Rate (cfm)	40	50
Hours/Day	24.0	24.0
Fan Watts	14.0	
Cooling Ventilation	Natural Ventilation	

ASHRAE 62.2 - Ventilation Requirements

The ASHRAE 62.2 flow rates shown above are the CONTINUOUS mechanical fresh air ventilation which will meet the 'whole-building' requirement under that version of the standard. Both values incorporate any appropriate 'infiltration credit'. Intermittent mechanical ventilation may be used if the flow rate is adjusted accordingly. For example, the runtime can be reduced to 12 hours per day using a doubled flow rate, as long as the system provides ventilation at least once every 3 hours. For more detail, refer to the appropriate standard.

REM/Rate - Residential Energy Analysis and Rating Software v14.6.2

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