

Heat Loss Component Budget									
Main House				Guest House					
R VALUES			Design Temperature Diff.	<b>85</b>	R VALUES		Design Temperature Diff.	<b>65</b>	
Wall R Value	<b>42.00</b>		Flat Ceiling R Value	<b>70.00</b>	Wall R Value	<b>42.00</b>	Flat Ceiling R Value	<b>50.00</b>	
Floor R Value	19.00		Skylight R Value	2.50	Floor R Value		Skylight R Value	2.50	
Window R Value	<b>5.10</b>		Opaque Door R Value	8.00	Window R Value	<b>5.10</b>	Opaque Door R Value	8.00	
Sloped Ceiling R Value	<b>50.00</b>		Glass Door R Value	5.10	Sloped Ceiling R Value	<b>50.00</b>	Glass Door R Value	3.45	
Slab edge	<b>20</b>		Below grade R value	<b>30</b>	Slab edge	<b>18</b>	Below grade R value	<b>18</b>	
ELEMENT	AREA	AU			ELEMENT	AREA	AU		
Wall	<b>2,495</b>	59.40	Slab edge perimeter	0	Wall	<b>758</b>	18.05	Slab edge perimeter	92
Wall below grade		50.54	Basement perimeter	180	Wall below grade		0.00	Basement perimeter	0
Slab edge		0.00			Slab edge		16.68		
Floor		0.00			Floor		0.00		
Window	<b>313</b>	61.37			Window	<b>84</b>	16.47		
Sloped Ceiling	<b>1,755</b>	35.10			Sloped Ceiling	<b>563</b>	11.26		
Flat Ceiling	287	4.10			Flat Ceiling		0.00		
Skylight		0.00			Skylight		0.00		
Opaque Door		0.00			Opaque Door	20	2.50		
Glass Door	80	15.69			Glass Door		0.00		
Ventilation (@75% eff.)		20.25	Ventilation system capacity	75	Ventilation (@0% eff. — No ERV)		0.00	Ventilation system capacity	
INFILTRATION Volume	ACH	Equiv. AU			INFILTRATION Volume	ACH	Equiv. AU		
<b>25500</b>	<b>0.08</b>	36.72			<b>5000</b>	<b>0.10</b>	9.00		
AU Conduction Only	226.21				AU Conduction Only	64.96			
AU Total	283.18				AU Total	73.96			
Design Heat Loss, BTU/Hr	24,070				Design Heat Loss, BTU/Hr	4,807			
Design Heat Loss, Kw	7.05				Design Heat Loss, Kw	1.41			
Main house area,sf	2273				Main house area,sf	478			
Design heat loss per unit area	<b>10.6</b>	Btu/Hr/sq. ft.			Design heat loss per unit area	<b>10.1</b>	Btu/Hr/sq. ft.		