

Passive House Verification

Photo or Drawing

Building:	Rideau Residence				
Location and Climate:	Ottawa, ON, Canada	OTTAWA CA*			
Street Address:	279 Crichton Street				
City, State, Zip:	Ottawa				
Country:	Canada				
Building Type:					
Home Owner(s) / Client(s):	Straka's				
Street Address:	279 Crichton Street				
City, State, Zip:	Ottawa				
Architect:	VertdesignINC				
Street:	82 Patterson Avenue				
City, State, Zip:	Ottawa				
Mechanical System:					
Street Address:					
City, State, Zip:					
Year of Construction:	2010				
Number of Dwelling Units:	2		Interior Temperature:	68.0	°F
Gross Enclosed Volume V_G :	55000	ft ³	Internal Heat Gains:	0.7	BTU/hr.ft ²
Number of Occupants:	9.4				
Energy Demands with Reference to the Treated Floor Area					
Treated Floor Area:	3536	ft ²			
	Applied:	Monthly Method		PH Certificate:	Fulfilled?
Specific Space Heat Demand:	4.75	kBTU/(ft²yr)		4.75 kBTU/(ft²yr)	Yes
Pressurization Test Result:	0.57	ACH₅₀		0.6 ACH ₅₀	Yes
Specific Primary Energy Demand (DHW, Heating, Cooling, Auxiliary and Household Electricity):	28.5	kBTU/(ft²yr)		38.0 kBTU/(ft ² yr)	Yes
Specific Primary Energy Demand (DHW, Heating and Auxiliary Electricity):	11.6	kBTU/(ft ² yr)			
Specific Primary Energy Demand Energy Conservation by Solar Electricity:	0.0	kBTU/(ft ² yr)			
Heating Load:	6.07	BTU/(ft ² hr)			
Frequency of Overheating:	15	%	over	77.0	°F
Specific Useful Cooling Energy Demand:		kBTU/(ft ² yr)		4.75 kBTU/(ft ² yr)	
Cooling Load:	2.66	BTU/(ft ² hr)			
<p><i>We confirm that the values given herein have been determined following the PHPP methodology and based on the characteristic values of the building. The calculations with PHPP are attached to this application.</i></p>				<p>Issued on:</p> <p>_____</p> <p>signed:</p> <p>_____</p>	