

# Passive House Verification



<b>Building:</b>	Interactive Construction		
Street:	843 Parklands Dr		
Postcode/City:	V9A 4L4	Victoria	
Province/Country:	BC	CA-Canada	
Building type:	Single Family Dwelling		
Climate data set:	CA0025a-Victoria		
Climate zone:	4: Warm-temperate	Altitude of location:	9 m
<b>Home owner / Client:</b>			
Street:			
Postcode/City:			
Province/Country:			
<b>Mechanical engineer:</b>			
Street:			
Postcode/City:			
Province/Country:			
<b>Certification:</b>			
Street:			
Postcode/City:			
Province/Country:			
Year of construction:	2021	Interior temperature winter [°C]:	20.0
No. of dwelling units:	1	Interior temp. summer [°C]:	25.0
No. of occupants:	3.1	Internal heat gains (IHG) heating case [W/m <sup>2</sup> ]:	2.3
		IHG cooling case [W/m <sup>2</sup> ]:	2.3
		Specific capacity [Wh/K per m <sup>2</sup> TFA]:	60
		Mechanical cooling:	

<b>Architecture:</b>	ONE SEED Architecture + Interiors		
Street:	Henderson Road		
Postcode/City:	V8P 5A4	Victoria	
Province/Country:	BC	CA-Canada	
<b>Energy consultancy:</b>	Adapt Energy Advising		
Street:	2740 Fifth St		
Postcode/City:	V8T 4B2	Victoria	
Province/Country:	BC	CA-Canada	

Specific building characteristics with reference to the treated floor area		The PHPP has not been filled completely; it is not valid as verification				
			Criteria	Alternative criteria	Fullfilled? <sup>2</sup>	
<b>Space heating</b>	Treated floor area m <sup>2</sup>	219.7				
	Heating demand kWh/(m <sup>2</sup> a)	14.47	≤	15	-	yes
	Heating load W/m <sup>2</sup>	10.75	≤	-	10	
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m <sup>2</sup> a)	-	≤	-	-	-
	Cooling load W/m <sup>2</sup>	-	≤	-	-	-
	Frequency of overheating (> 25 °C) %	2	≤	10		yes
	Frequency of excessively high humidity (> 12 g/kg) %	0	≤	20		yes
<b>Airtightness</b>	Pressurization test result n <sub>50</sub> 1/h	0.6	≤	0.6		yes
<b>Non-renewable Primary Energy (PE)</b>	PE demand kWh/(m <sup>2</sup> a)	98	≤	-		-
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m <sup>2</sup> a)	46.41	≤	60	60	yes
	Generation of renewable energy (in relation to projected building footprint area)	0	≥	-	-	

<sup>2</sup> Empty field: Data missing; '-': No requirement

I confirm that the values given herein have been determined following the PHPP methodology and based on the characteristic values of the building. The PHPP calculations are attached to this verification.

Task: \_\_\_\_\_ First name: \_\_\_\_\_ Surname: \_\_\_\_\_

Issued on: \_\_\_\_\_ City: \_\_\_\_\_

Passive House Classic? **yes** Signature: \_\_\_\_\_