

# Passive House Verification

Photo or Drawing

**Building:** SINGLE FAMILY RESIDENCE  
 Street: 5120 DUNBAR ST  
 Postcode/City: VANCOUVER  
 Province/Country: BC CA-Canada  
 Building type: SFR  
 Climate data set: CA0003b-Vancouver  
 Climate zone: 4: Warm-temperate Altitude of location: 64 m

**Home owner / Client:** CHIH-TING HO AND JASON LEE  
 Street: 5120 DUNBAR ST  
 Postcode/City: VANCOUVER  
 Province/Country: BC CA-Canada

**Architecture:** DLP ARCHITECTURE INC  
 Street: #806 318 HOMER ST  
 Postcode/City: VANCOUVER  
 Province/Country: BC CA

**Mechanical system:**  
 Street:  
 Postcode/City:  
 Province/Country:

**Energy consultancy:**  
 Street:  
 Postcode/City:  
 Province/Country:

**Certification:**  
 Street:  
 Postcode/City:  
 Province/Country:

Year of construction:	2017	Interior temperature winter [°C]:	20.0	Interior temp. summer [°C]:	25.0
No. of dwelling units:	2	Internal heat gains (IHG) heating case [W/m²]:	2.6	IHG cooling case [W/m²]:	2.6
No. of occupants:	4.5	Specific capacity [Wh/K per m² TFA]:	60	Mechanical cooling:	

## Specific building characteristics with reference to the treated floor area

	Treated floor area m²		Alternative criteria		Fulfilled? <sup>2</sup>
			Criteria	Alternative criteria	
<b>Space heating</b>	Heating demand kWh/(m²a)	15	≤ 15	-	yes
	Heating load W/m²	8	≤ -	10	
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m²a)	-	≤ -	-	-
	Cooling load W/m²	-	≤ -	-	
	Frequency of overheating (> 25 °C) %	0	≤ 10		yes
	Frequency excessively high humidity (> 12 g/kg) %	0	≤ 20		yes
<b>Airtightness</b>	Pressurization test result n <sub>50</sub> 1/h	0.4	≤ 0.6		yes
<b>Non-renewable Primary Energy (PE)</b>	PE demand kWh/(m²a)	104	≤ -		-
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m²a)	46	≤ 60	60	yes
	Generation of renewable energy kWh/(m²a)	60	≥ -	-	

<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.

**Passive House Classic?** **yes**

Task: \_\_\_\_\_ First name: \_\_\_\_\_ Surname: \_\_\_\_\_  
 Issued on: \_\_\_\_\_ City: \_\_\_\_\_

Signature: \_\_\_\_\_