

# Passive House Verification

Photo or Drawing		<b>Building:</b> 1488 Alberni	
		Street:	
		Postcode/City: Vancouver	
		Province/Country: BC CA-Canada	
		Building type: MURB	
		Climate data set: CA0003d-Vancouver	
		Climate zone: 3: Cool-temperate Altitude of location: 16 m	
<b>Architecture:</b>		<b>Home owner / Client:</b>	
Street:		Street:	
Postcode/City:		Postcode/City:	
Province/Country:		Province/Country:	
<b>Energy consultancy:</b>		<b>Mechanical engineer:</b>	
Street:		Street:	
Postcode/City:		Postcode/City:	
Province/Country:		Province/Country:	
<b>Certification:</b>		<b>Certification:</b>	
Street:		Street:	
Postcode/City:		Postcode/City:	
Province/Country:		Province/Country:	
Year of construction: 2017	Interior temperature winter [°C]: 20.0	Interior temp. summer [°C]: 25.0	
No. of dwelling units: 146	Internal heat gains (IHG) heating case [W/m²]: 2.9	IHG cooling case [W/m²]: 3.3	
No. of occupants: 584.9	Specific capacity [Wh/K per m² TFA]: 60	Mechanical cooling: x	

**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	Fulfilled? <sup>2</sup>	
<b>Space heating</b>	Treated floor area m²	19110.8				
	Heating demand kWh/(m²a)	14.4	≤	15	-	yes
	Heating load W/m²	9	≤	-	10	yes
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m²a)	1	≤	15	15	yes
	Cooling load W/m²	1	≤	-	11	-
	Frequency of overheating (> 25 °C) %	-	≤	-	-	yes
Frequency of excessively high humidity (> 12 g/kg) %	0	≤	10	-	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/(m²a)	126	≤	-	-	-
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m²a)	58	≤	60	60	yes
	Generation of renewable energy (in relation to projected building footprint area) kWh/(m²a)	0	≥	-	-	yes

<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: renate.johnson Surname: \_\_\_\_\_ Signature: \_\_\_\_\_

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