

# Passive House Verification

Photo or Drawing		<b>Building:</b> Aspen Road Townhouses	
		Street: 1009 Aspen Road	
		Postcode/City:	V8B 0R5 Squamish
		Province/Country:	British Columbia CA-Canada
		Building type: Row housing	
		Climate data set: ud--01-CA0072a-Squamish NEW	
		Climate zone:	3: Cool-temperate Altitude of location: 4.5 m
<b>Architecture:</b> Derek Venter Architectural Design		<b>Home owner / Client:</b> Tyler Ovington	
Street: 10 - 1040 Legacy Way		Street: PO Box 1957	
Postcode/City: V0N 1B1 Whistler		Postcode/City: V8B 0B4 Squamish	
Province/Country: British Columbia CA-Canada		Province/Country: British Columbia CA-Canada	
<b>Energy consultancy:</b>		<b>Mechanical engineer:</b> Smith + Andersen	
Street:		Street: 6450 Roberts Street, Suite 338	
Postcode/City:		Postcode/City: V5G 4E1 Vancouver	
Province/Country:		Province/Country: British Columbia	
<b>Year of construction:</b> 2018		<b>Certification:</b> RDH Building Science	
<b>No. of dwelling units:</b> 8		Street: 224 W 8th Avenue	
<b>No. of occupants:</b> 20.8		Postcode/City: V5Y 1N5	
		Province/Country: British Columbia	
Interior temperature winter [°C]: 20.0		Interior temp. summer [°C]: 25.0	
Internal heat gains (IHG) heating case [W/m²]: 2.5		IHG cooling case [W/m²]: 2.5	
Specific capacity [Wh/K per m² TFA]: 60		Mechanical cooling:	

Specific building characteristics with reference to the treated floor area The PHPP has not been filled completely; it is not valid as verification

		Treated floor area m²		Criteria	Alternative criteria	Fulfilled? <sup>2</sup>
<b>Space heating</b>	Heating demand kWh/(m²a)	923.0	≤	15	-	yes
	Heating load W/m²	10	≤	-	10	yes
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m²a)	-	≤	-	-	-
	Cooling load W/m²	-	≤	-	-	-
	Frequency of overheating (> 25 °C) %	4	≤	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/(m²a)	3	≤	120	-	yes
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m²a)	1	≤	-	-	-
	Generation of renewable energy (in relation to projected kWh/(m²a) 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: \_\_\_\_\_

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

**Passive House Classic? yes**