

Passive House Verification

Photo or Drawing		Building: SINGLE FAMILY RESIDENCE	
		Street: 2794 W 23 AVE	
		Postcode/City: VANCOUVER	
		Province/Country: BC CA-Canada	
		Building type: SFR	
		Climate data set: CA0003b-Vancouver	
		Climate zone: 4: Warm-temperate Altitude of location: 79 m	
		Home owner / Client: WOODY JANET CHIANG	
		Street:	
		Postcode/City: VANCOUVER	
		Province/Country: BC CA-Canada	
Architecture: DLP ARCHITECTURE INC		Mechanical system:	
Street: #806 318 HOMER ST		Street:	
Postcode/City: VANCOUVER		Postcode/City:	
Province/Country: BC CA		Province/Country:	
Energy consultancy:		Certification:	
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: 2	Internal heat gains (IHG) heating case [W/m²]: 2.6	IHG cooling case [W/m²]: 2.6	
No. of occupants: 4.9	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		Fulfilled? ²	
			Criteria	Alternative criteria		
Space heating	Heating demand kWh/(m²a)	206.0	≤	15	-	yes
	Heating load W/m²	9	≤	-	10	-
	Space cooling	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
Airtightness	Pressurization test result n ₅₀ 1/h	0.6	≤	0.6		yes
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	65	≤	-		-
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	29	≤	60	60	yes
	Generation of renewable energy kWh/(m²a)	0	≥	-	-	

² 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: _____