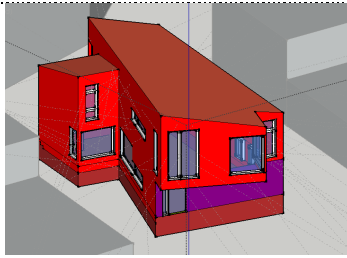


Passive House Verification



Building:	Mikkelsen Residence	
Street:	1067 Madeley Place	
Postcode/City:	BC V0N 1B1 Whistler	
Province/Country:	British Columbia	CA-Canada
Building type:	Detached dwelling	
Climate data set:	CA0022a-Whistler	
Climate zone:	3: Cool-temperate	Altitude of location: 615 m
Home owner / Client:		
Street:		
Postcode/City:		
Province/Country:		
Mechanical system:		
Street:		
Postcode/City:		
Province/Country:		
Certification:		
Street:		
Postcode/City:		
Province/Country:		
Year of construction:	2016	Interior temperature winter [°C]: 20.0
No. of dwelling units:	2	Interior temp. summer [°C]: 25.0
No. of occupants:	5.6	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:

Architecture:	Econ Group	
Street:	402-510 Chesterfield Ave	
Postcode/City:	BC V7M 2L9	North Vancouver
Province/Country:	British Columbia	CA-Canada
Energy consultancy:		
Street:		
Postcode/City:		
Province/Country:		

Calculation electricity / Internal heat gains
Building type: 1-Residential building

Internal heat gains
Utilisation pattern: 10-Dwelling
Values: 2-Standard

Occupancy
1-Standard (only for residential buildings)

Specific building characteristics with reference to the treated floor area

	Treated floor area m²	Criteria	Alternative criteria		Fulfilled? ²
Space heating	Heating demand kWh/(m²a)	13.83	≤	15	yes
	Heating load W/m²	12.62	≤	- 10	
Space cooling	Cooling & dehum. demand kWh/(m²a)	-	≤	-	-
	Cooling load W/m²	-	≤	-	
	Frequency of overheating (> 25 °C) %	11	≤	10	
	Frequency excessively high humidity (> 12 g/kg) %	0	≤	20	yes
Airtightness	Pressurization test result n ₅₀ 1/h	0.4	≤	0.6	yes
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	76	≤	-	-
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	33	≤	45 33	yes
	Generation of renewable energy kWh/(m²a) (in relation to projected building)	40	≥	60 40	

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.

Passive House Plus? no

Task: _____ First name: **Raquel** Surname: _____
 Issued on: _____ City: _____

Building energy standard
1-Passive House

Class
2-Plus

Verification of primary energy
2-PER (renewable)

EnerPHit verification method
New building / Refurbishment
1-New building

Project data imported from designPH 1.1.5 PHPP9 display.code: 788451490_121015_PHIDE_en09