Passive House Verification

Photo or Drawing

Building:	**Kordas McGuire House**		
Street:	**2528 Cambridge Street**		
Postcode/City:	**V5V 1B2**	**Vancouver**	
Province/Country:	**BC**	**CA-Canada**	
Building type:	**Detached House**		
Climate data set:	**CA0003d-Vancouver**		
Climate zone:	**3: Cool-temperate**	Altitude of location:	**38,7 m**

Home owner / Client:	**Becca and Sean Kordas McGuire**		
Street:	**2528 Cambridge Street**		
Postcode/City:	**V5V 1B2**	**Vancouver**	
Province/Country:	**BC**	**CA-Canada**	

Architecture:	**One SEED Architecture**		
Street:	**611-525 Seymour Street**		
Postcode/City:	**V6B 3H7**	**Vancouver**	
Province/Country:	**British Columbia**	**CA-Canada**	

Mechanical engineer:	**HiH Energy**		
Street:	**210-128 West Hasting**		
Postcode/City:	**V6B 1G8**	**Vancouver**	
Province/Country:	**BC, Canada**	**1-Residential building**	

Energy consultancy:	**One SEED Architecture**		
Street:	**611-525 Seymour Street**		
Postcode/City:	**V6B 3H7**	**Vancouver**	
Province/Country:	**BC**	**CA-Canada**	

Certification:	**CertiPHIers Cooperative**		
Street:	**2963 RW Johnson Blvd SW**		
Postcode/City:	**98512**	**10-Dwelling**	
Province/Country:	**Washington, US**	**1-Standard (only for residential bui**	

Year of construction:	**2019**	Interior temperature winter [°C]:	**20,0**	Interior temp. summer [°C]:	**25,0**
No. of dwelling units:	**2**	Internal heat gains (IHG) heating case [W/m^2]:	**2,5**	IHG cooling case [W/m²]:	**2,7**
No. of occupants:	5,3	Specific capacity [Wh/K per m² TFA]:	**60**	Mechanical cooling:	**x**

Specific building characteristics with reference to the treated floor area

					Criteria	Alternative criteria	Fullfilled?[2]
	Treated floor area	m²	**237,2**				
Space heating	Heating demand	kWh/(m²a)	**14**	≤	15	-	**yes**
	Heating load	W/m²	**11**	≤	-	10	
Space cooling	Cooling & dehum. demand	kWh/(m²a)	**1**	≤	15	15	**yes**
	Cooling load	W/m²	**0**	≤	-	10	
	Frequency of overheating (> 25 °C)	%	**-**	≤	-		**-**
	Frequency of excessively high humidity (> 12 g/kg)	%	**0**	≤	10		**yes**
Airtightness	Pressurization test result n_{50}	1/h	**0,6**	≤	0,6		**yes**
Non-renewable Primary Energy (PE)	PE demand	kWh/(m²a)	**104**	≤	-		**-**
Primary Energy Renewable (PER)	PER demand	kWh/(m²a)	**49**	≤	60	60	**yes**
	Generation of renewable energy (in relation to projected building footprint area)	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.

Passive House Classic? **yes**

Task: | First name: | Surname: | Signature:

Issued on: | City: