Passive House Verification

Building:	UBC BCR8		
Street:	3508 Wesbrook Mall		
Postcode/City:	V6T 1W5	Vancouver	
Province/Country:	British Columbia	CA-Canada	
Building type:	Residential		
Climate data set:	CA0003d-Vancouver		
Climate zone:	3: Cool-temperate	Altitude of location:	78 m

Home owner / Client:	UBC Properties Trust		
Street:	Suite 200 - 3313 Shrum Lane		
Postcode/City:	V6S 0C8	Vancouver	
Province/Country:	British Columbia	CA-Canada	

Architecture:	ZGF Architects		
Street:	355 Burrard St #350		
Postcode/City:	V6C 2G8	Vancouver	
Province/Country:	British Columbia	CA-Canada	

Mechanical engineer:	AME Group		
Street:	1100 - 808 W Hastings St.		
Postcode/City:	V6C 2X4	Vancouver	
Province/Country:	British Columbia	CA-Canada	

Energy consultancy:	RDH Building Science Inc.		
Street:	4333 Still Creek Dr #400		
Postcode/City:	V5C 6S6	Burnaby	
Province/Country:	British Columbia	CA-Canada	

Certification:	Steven Winter Associate Inc.		
Street:	307 Seventh Ave, Suite 1701		
Postcode/City:	10001	New York	
Province/Country:	New York	US-United States of America	

Year of construction:	2020	Interior temperature winter [°C]:	20.0	Interior temp. summer [°C]:	25.0
No. of dwelling units:	110	Internal heat gains (IHG) heating case [W/m²]:	2.8	IHG cooling case [W/m²]:	3.9
No. of occupants:	204.8	Specific capacity [Wh/K per m² TFA]:	84	Mechanical cooling:	x

Specific building characteristics with reference to the treated floor area

				Criteria	Alternative criteria	Fullfilled?[2]
	Treated floor area m²	7845.6				
Space heating	Heating demand kWh/(m²a)	13	≤	15	-	yes
	Heating load W/m²	9	≤	-	10	
Space cooling	Cooling & dehum. demand kWh/(m²a)	0.3	≤	15	15	yes
	Cooling load W/m²	0.0	≤	-	11	
	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)	145	≤	-		-
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	66	≤	60	66	yes
	Generation of renewable energy (in relation to projected building footprint area) kWh/(m²a)	66	≥	-	27	

[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:
1-Designer	Sherman	Wai	

Issued on:	City: