

Passive House Verification



Building: 706 E57 AVE
Street: 706 E57 AVE
Postcode/City: Vancouver BC
Provincial/Country: British Columbia CA-Canada
Building type: APARTMENT BLOCK
Climate data set: CA0003d-Vancouver
Climate zone: 3: Cool-temperate **Altitude of location:** 58 m
Home owner / Client: Scott Kennedy
Street: 706 E57 AVE
Postcode/City: V6A 1E1 Vancouver BC
Provincial/Country: British Columbia CA-Canada
Mechanical engineer:
Street:
Postcode/City:
Provincial/Country:
Certification: Passive House Academy
Street: 334 Douglas Street, Brooklyn
Postcode/City: NY 11217
Provincial/Country: US

Year of construction: 2016
No. of dwelling units: 95
No. of occupants: 148.8

Interior temperature winter [°C]: 20.0
Internal heat gains (IHG) heating case [W/m²]: 3.0
Specific capacity [Wh/K per m² TFA]: 132

Interior temp. summer [°C]: 25.0
IHG cooling case [W/m²]: 3.0
Mechanical cooling:

Architecture: Cornerstone Architects,
Street: 406 - 611 Alexander ST,
Postcode/City: V6A 1E1 Vancouver
Provincial/Country: British Columbia CA-Canada
Energy consultancy:
Street:
Postcode/City:
Provincial/Country:

Specific building characteristics with reference to the treated floor area				Criteria	Alternative criteria	Fulfilled? ²
Space heating	Treated floor area m ²	5322.0				
	Heating demand kWh/(m ² a)	6.16	≤	15	-	yes
	Heating load W/m ²	7.23	≤	-	10	yes
Space cooling	Cooling & dehum. demand kWh/(m ² a)	-	≤	-	-	-
	Cooling load W/m ²	-	≤	-	-	-
	Frequency of overheating (> 25 °C) %	6	≤	10		yes
	Frequency of 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/(m ² a)	110.37	≤	120		yes
	PER demand kWh/(m ² a)	74	≤			
Primary Energy Renewable (PER)	Generation of renewable energy (in relation to projected building footprint area) kWh/(m ² a)	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: Pre-Cert **First name:** Tomás **Surname:** O'Leary **City:** Rathnew **Issued on:** 11.04.2017

Passive House Classic? **yes** **Signature:**