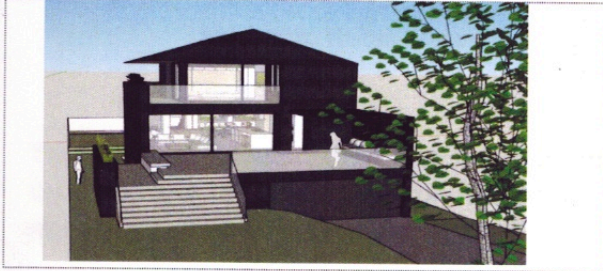


Passive House Verification



Architecture: MGA Michael Green Architecture
 Street: 65 East Cordova Street
 Postcode/City: V6A 1K3 Vancouver
 Province/Country: British Columbia CA-Canada

Energy consultancy: RDH Building Science Inc.
 Street: 224 W 8th Avenue
 Postcode/City: V5Y 1N5 Vancouver
 Province/Country: British Columbia CA-Canada

Year of construction: 2016
 No. of dwelling units: 1
 No. of occupants: 3.1

Building: Fung-Roberts House
 Street: 513 East 13th Street
 Postcode/City: V7L 2M3 North Vancouver
 Province/Country: British Columbia CA-Canada
 Building type: Detached Single Family House
 Climate data set: CA0003d-Vancouver
 Climate zone: 3: Cool-temperate Altitude of location: 116 m

Home owner / Client: Ms. Kathy Fung and Mr. David Roberts
 Street:
 Postcode/City:
 Province/Country: British Columbia CA-Canada

Mechanical engineer: Ecolighten Energy Solutions
 Street: 705-15th Street West
 Postcode/City: V7M 1S8 North Vancouver
 Province/Country: British Columbia CA-Canada

Certification: Peel Passive House Consulting
 Street: 118 Craighleith Road
 Postcode/City: L9Y 0S3 Blue Mountains
 Province/Country: Ontario CA-Canada

Interior temperature winter [°C]: 20.0 Interior temp. summer [°C]: 25.0
 Internal heat gains (IHG) heating case [W/m²]: 2.3 IHG cooling case [W/m²]: 2.3
 Specific capacity [Wh/K per m² TFA]: 60 Mechanical cooling:

Specific building characteristics with reference to the treated floor area

	Treated floor area m²		Criteria	Alternative criteria	Fullfilled? ²
Space heating	Heating demand kWh/(m²a)	235.5	15	-	yes
	Heating load W/m²	11	-	10	
Space cooling	Cooling & dehum. demand kWh/(m²a)	-	-	-	-
	Cooling load W/m²	-	-	-	-
	Frequency of overheating (> 25 °C) %	1	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/(m²a)	91	-		-
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	45	45	45	yes
	Generation of renewable energy (in relation to projected building footprint area)	62	60	60	

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? **yes**
 Signature:

Task: 2-Certifier First name: Andrew Surname: Peel
 Certificate ID: 16942_APC_PH_20171108_AP Issued on: 08/11/17 City: Blue Mountains