Passive House Verification

Photo or Drawing

Building:	Mary Steet Duplex		
Street:	732+734 Mary Street		
Postcode/City:	V9A3W5	Victoria	
Province/Country:	BC		Canada
Building type:	Duplex Residence		
Climate data set:	CA0025a-Victoria		
Climate zone:	4: Warm-temperate	Altitude of location:	27.5 m
Home owner / Client:	Bernhardt Construction		
Street:	1535 Oak Crest Dr.		
Postcode/City:	V8P 1K7	Victoria	
Province/Country:	BC		Canada

Architecture:	HCMA Architecture + Design		
Street:	300-569 Johnson Street		
Postcode/City:	V8W 1M2	Victoria	
Province/Country:	BC		Canada
Energy consultancy:	HCMA Architecture + Design		
Street:	300 - 569 Johnson Street		
Postcode/City:	V8W 1M2	Victoria	
Province/Country:	BC		CA-Canada

Mechanical system:			
Street:			
Postcode/City:			
Province/Country:			
Certification:	CertiPHIers Cooperative		
Street:			
Postcode/City:			
Province/Country:			US-United States of America

Year of construction:	2016	Interior temperature winter [°C]:	20.0	Interior temp. summer [°C]:	25.0
No. of dwelling units:	2	Internal heat gains (IHG) heating case [W/m²]:	2.5	IHG cooling case [W/m²]:	2.5
No. of occupants:	5.3	Specific capacity [Wh/K per m² TFA]:	60	Mechanical cooling:	

Specific building characteristics with reference to the treated floor area

					Criteria	Alternative criteria	Fullfilled?[2]
	Treated floor area	m²	236.8				
Space heating	Heating demand	kWh/(m²a)	13	≤	15	-	yes
	Heating load	W/m²	12	≤	-	10	
Space cooling	Cooling & dehum. demand	kWh/(m²a)	-	≤	-	-	-
	Cooling load	W/m²	-	≤	-	-	
	Frequency of overheating (> 25 °C)	%	1	≤	10		yes
	Frequency 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)	113	≤	-		-
Primary Energy Renewable (PER)	PER demand	kWh/(m²a)	51	≤	60	60	yes
	Generation of renewable energy	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:
1-Designer	Adam	Fawkes	a. Fawkes.

Issued on:	City:
2017.11.14	Victoria