Passive House Verification

Photo or Drawing

Building:	Warren Residence		
Street:	141 Los Robles Court		
Postcode/City:	93405	San Luis Obispo	
Province/Country:	California	United States	
Building type:	Single family residence		
Climate data set:	ud---01-Santa Maria		
Climate zone:	5: Warm	Altitude of location:	72 ft
Home owner / Client:	Pamela Warren		
Street:	1793 Harmlin Way		
Postcode/City:	95125	San Jose	
Province/Country:	California	US-United States of America	

Architecture:	Cairn Collaborative		
Street:	2043 Cypress Street		
Postcode/City:	93401	San Luis Obispo	
Province/Country:	California	US-United States of America	
Energy consultancy:	Home Energy Services		
Street:	1609 8th Street		
Postcode/City:	94710	Berkeley	
Province/Country:	California	US-United States of America	
Mechanical engineer:			
Street:			
Postcode/City:			
Province/Country:			
Certification:	CertiPHIers Cooperative		
Street:	539 SE 59th Court		
Postcode/City:	97215	Portland	
Province/Country:	Oregon	US-United States of America	

Year of construction:	2021	Interior temperature winter [°F]:	68.0
No. of dwelling units:	1	Internal heat gains (IHG) heating case [BTU/(hr.ft²)]:	0.75
No. of occupants:	3.1	Specific capacity [BTU/F per ft² TFA]:	14.8
Interior temp. summer [°F]:	77.0		
IHG cooling case [BTU/(hr.ft²)]:	0.75		
Mechanical cooling:	x		

Specific building characteristics with reference to the treated floor area

					Criteria	Alternative criteria	Fullfilled?[2]
	Treated floor area	ft²	2141				
Space heating	Heating demand	kBTU/(ft²yr)	3.82	≤	4.75	-	yes
	Heating load	BTU/(hr.ft²)	2.86	≤	-	3.17	
Space cooling	Cooling & dehum. demand	kBTU/(ft²yr)	1.39	≤	4.75	4.75	yes
	Cooling load	BTU/(hr.ft²)	1.65	≤	-	3.25	
	Frequency of overheating (> 77 °F)	%	-	≤	-		-
	Frequency of excessively high humidity (> 0.012 lb/lb)	%	0.0	≤	10		yes
Airtightness	Pressurization test result n_{50}	1/hr	0.6	≤	0.6		yes
Non-renewable Primary Energy (PE)	PE demand	kBTU/(ft²yr)		≤	-		-
Primary Energy Renewable (PER)	PER demand	kBTU/(ft²yr)	5.90	≤	19	19	yes
	Generation of renewable energy (in relation to pro-jected building footprint area)	kBTU/(ft²yr)	7.13	≥	-	-	

[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	Steve	Mann	

Issued on: City:

Project data imported from designPH 2.0.06

PHPP9 display.code: