## **Passive House Verification**

Photo or Drawing					
Building:	Wood Residence	ce Remodel - M	ain House		
Location and Climate:	Sonoma, CA, Mediterranean NAPA CO. AIRPORT CA*				
Street:	20009 7th Street East				
Postcode/City:	Sonoma, CA 95476				
Country:	USA				
Building Type:	Single Family Residence w/ detached guest house				
Home Owner(s) / Client(s):					
Street: Postcode/City:					
·	Tarrad Donton ID Architect				
Architect: Street:	Jarrod Denton, JD Architect 1104 Adams Street, Suite 203B				
Postcode/City:	St. Helena, CA 94574 707-260-5542				
Mechanical System:					
Street:					
Postcode/City:					
Year of Construction:	2011				
Number of Dwelling Units:	1		Interior Temperature:	20.0	С
Enclosed Volume $V_e$ :	1644.4	m <sup>3</sup>	Internal Heat Gains:	2.1 V	√/m²
Number of Occupants:	4.0		internar rieat Gairis.	2.1	v/111
Humber of Goodparks.	4.0				
Specific Demands with Reference to the Treated Floor Area					
Treated Floor Area:	292.9	m <sup>2</sup>			
	Applied:	Monthly Method	=	PH Certificate:	Fulfilled?
Specific Space Heat Demand:	14	kWh/(m²a)	15 kWh/(m <sup>2</sup> a) Yes		Yes
Pressurization Test Result:	0.3	h <sup>-1</sup>	0.6 h <sup>-1</sup> Yes		Yes
Specific Primary Energy Demand	67	kWh/(m²a)	120 kWh/(m²a) Yes		Yes
(DHW, Heating, Cooling, Auxiliary and Household Electricity):	<u> </u>	κνιικίτι α)	1		
Specific Primary Energy Demand	36	kWh/(m²a)			
(DHW, Heating and Auxiliary Electricity):  Specific Primary Energy Demand			4		
Energy Conservation by Solar Electricity:	82	kWh/(m²a)			
Heating Load:	10	W/m <sup>2</sup>	<u> </u>	1	
Frequency of Overheating:		%	over 25	°C	
Specific Useful Cooling Energy Demand:	4	kWh/(m <sup>2</sup> a)	15	kWh/(m <sup>2</sup> a)	Yes
Cooling Load:	7	W/m <sup>2</sup>			
We confirm that the values given herein have leadermined following the PHPP methodology a				Issued or	1:
on the characteristic values of the building. Th				signed	d:
with PHPP are attached to this application.					

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