Reacive House Verification									
Passive House Verification									
	Photo or Drawi	ng			Building:	Nichols Resi	dence Retrofit		
					Street:	5940 Orchard	d Station Rd		
					Postcode/City:	95472	Sebastopol		
					Province/Country:	CA		<b>US-United Stat</b>	tes of America
					Building type:	SF Residenc	e		
					Climate data set:	US0107a-Sai	nta Rosa		
					Climate zone:	5: Warm	Altitu	de of location:	65 m
					Home owner / Client:	Kristin & Jas	on Nichols		
					Street:	5940 Orchard	d Station Rd		
					Postcode/City:	95472	Sebastopol		
					Province/Country:	CA		<b>US-United Stat</b>	tes of America
Architecture:	MAD Architec	ture			Mechanical system:				
Street:	Street: 12 Western Ave., #2			Street:					
Postcode/City:	94952	Petaluma			Postcode/City:				
Province/Country:	CA	US-	United Stat	tes of America	Province/Country:				
Energy consultancy:	y consultancy: Essential Habitat Architecture			Certification:	Home Energy Services				
Street	t: 249 Sir Francis Drake Blvd			Street:	1609 8th Street				
Postcode/City:	94960	San Anselmo			Postcode/City:	94710 Berke			
Province/Country:	CA	US-	United Stat	tes of America	Province/Country:	CA USA			
Year of construction:	2024			Inte	rior temperature winter [°C]:	20.0	Interior temp.	summer [°C]:	25.0
No. of dwelling units:	1	-		Internal heat gains	(IHG) heating case [W/m <sup>2</sup> ]:	2.3	IHG cooling	case [W/m²]:	2.3
No. of occupants:	3.1			Specific of	capacity [Wh/K per m² TFA]:	60	Mecha	nical cooling:	x
Specific building character	ristics with refere	ence to the treated flo	oor area		The PHPP h	has not been t	filled completely Alternative	/; it is not va	lid as verification
	Tr	reated floor area m <sup>2</sup>		211.9		Criteria	criteria		Fullfilled? <sup>2</sup>
Space heating	ŀ	Heating demand kW	/h/(m²a)	12	≤	15	-		N/00
		Heating load W/r	m²	11	≤	-	10		yes
Space cooling	Cooling & a	dehum demand kW	/h/(m²a)	3	<	15	15		

Space cooling	Cooling & dehum. demand kWh/(m²a)	3	≤	15	15	Voc
	Cooling load W/m <sup>2</sup>	7	≤	-	10	yes
Frequency of overheating (> 25 $^{\circ}$ C) %		-	≤	-		-
Frequency excessively high humidity (> 12 g/kg) %		0	≤	10		yes
Airtightness	Pressurization test result n <sub>50</sub> 1/h	0.6	≤	0.6		yes
Non-renewable Primary Energy (PE) PE demand kWh/(m <sup>2</sup> a)		39	≤	-		-
Primary Energy	PER demand kWh/(m²a)	18	≤	30	18	
Renewable (PER)	Generation of renewable energy kWh/(m²a)	107	2	120	104	yes
<sup>2</sup> Empty field: Data missing; '-': No requiremen						

	I confirm that the values given herein hav values of the building. The PHPP calculat	Passive House Premium?	yes			
l	Task:	First name:		Surname:	•	Signature:
						-
			Issued on:	City:		
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PHPP, Verification

PHPP\_V9.6\_EN\_CP v3.8