

EnerPHit Verification



Architecture: Eve Reynolds - Arcolution
Street: 3027 Windsor Avenue
Postcode/City: 90039 Los Angeles
Province/Country: California USA
Energy consultancy: Xavier Gaucher - ePHiciency
Street: 4324 Perlita Avenue
Postcode/City: 90039
Province/Country: California US-United States of America
Year of construction: 2017
No. of dwelling units: 1
No. of occupants: 3.0

Building: 4324 Perlita
Street: 4324 Perlita Avenue
Postcode/City: 90039 Los Angeles
Province/Country: California US-United States of America
Building type: Single family house
Climate data set: US--00-1.05 Angles
Climate zone: 5: Warm **Altitude of location:** 130 m
Home owner / Client: Shelle Higgins & Xavier Gaucher
Street: 3152 Garden Avenue
Postcode/City: 90039 Los Angeles
Province/Country: California US-United States of America
Mechanical system: Xavier Gaucher
Street: 4324 Perlita Avenue
Postcode/City: 90039 Los Angeles
Province/Country: California US-United States of America
Certification: Javier Florez - Passivhaus Institut
Street: Rheinstr. 44/46
Postcode/City: 64283 Darmstadt
Province/Country: Hesse DE-Germany
Interior temperature winter [°C]: 20.0 **Interior temp. summer [°C]:** 25.0
Internal heat gains (IHG) heating case [W/m²]: 2.4 **IHG cooling case [W/m²]:** 2.9
Specific capacity [Wh/K per m² TFA]: 60 **Mechanical cooling:** x

Specific building characteristics with reference to the treated floor area

		Treated floor area m²		Criteria	Alternative criteria	Fulfilled?²
Space heating	Heating demand kWh/(m²a)	156.8		15	-	yes
	Heating load W/m²	8	≤	-	-	
Space cooling	Cooling & dehum. demand kWh/(m²a)	13	≤	16	16	yes
	Cooling load W/m²	13	≤	-	10	
	Frequency of overheating (> 25 °C) %	-	≤	-	-	
	Frequency excessively high humidity (> 12 g/kg) %	0	≤	10	-	yes
Airtightness	Pressurization test result n ₅₀ 1/h	0.9	≤	1.0	-	yes
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	81	≤	-	-	-
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	37	≤	45	37	yes
	Generation of renewable energy kWh/(m²a)	67	≥	60	47	

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.

Task: 1-Designer **First name:** Xavier **Surname:** Gaucher
Issued on: 02/01/18 **City:** Los Angeles

EnerPHit Plus? yes
Signature:

[Handwritten Signature]