

Certificate

Certified Passive House Classic



Authorised
by:



Kaplan/Malarkey Residence Remodel 4066 26th Street, San Francisco, CA 94131, USA



Client	Jonathan Kaplan & Sarah Malarkey 4066 26th Street San Francisco, CA 94131, USA
Architect	Essential Habitat Architecture and Jonathan Kaplan 249 Sir Francis Drake Blvd. San Anselmo, CA 94960, USA
Building Services	Noel Fox, American Clover Construction 770 Lakeview Ave San Francisco, California 94112, USA
Energy Consultant	Graham Irwin, Essential Habitat Architecture 249 Sir Francis Drake Blvd. San Anselmo, CA 94960, USA

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality			This building		Criteria	Alternative criteria
Heating	Heating demand	[kWh/(m²a)]	14	≤	15	-
	Heating load	[W/m²]	10	≤	-	10
Cooling	Cooling + dehumidification demand	[kWh/(m²a)]	-	≤	-	-
	Cooling load	[W/m²]	-	≤	-	-
	Frequency of overheating (> 25 °C)	[%]	0	≤	10	
	Frequency of excessively high humidity	[%]	0	≤	20	
Airtightness						
	Pressurization test result	(n ₅₀) [1/h]	0.6	≤	0.6	
Non-renewable primary energy (PE)						
	PE demand	[kWh/(m²a)]	52	≤	120	
Renewable primary energy (PER)						
	PER-demand	[kWh/(m²a)]	46	≤	-	-
	Generation (reference to ground area)	[kWh/(m²a)]	20	≥	-	-

The associated certification booklet contains more characteristic values for this building.

 8/21/17
Certifier: Tad Everhart, CertiPHiers Cooperative Incorporated