

Certificate

Certified Passive House Plus



Energie- und
Umweltzentrum Allgäu

Authorised
by:



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Valleyview Municipality 4802 50th Street, T0H 3N0 Valleyview, Canada



Client	Valley View Municipality 4802 50th Street Y0H 3N0 Valleyview, Canada
Architect	Flechas Architecture 400-2353 4 Street SE T2S 2S7 Calgary, Canada
Building Services	Integral Group 1214 9 AVE SE T2G 0T1 Calgary, Canada
Energy Consultant	Marken Design + Consulting 300-225 West 8th AVE V5Y1N3 Vancouver, Canada

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 Plus' standard:

Building quality		This building	Criteria	Alternative criteria
Heating	Heating demand [kWh/(m ² a)]	13	≤ 15	-
	Heating load [W/m ²]	14	≤ -	10
Cooling	Cooling + dehumidification demand [kWh/(m ² a)]	0	≤ 15	15
	Cooling load [W/m ²]	1	≤ -	11
	Frequency of overheating (> 25 °C) [%]	-	≤ -	-
	Frequency of excessively high humidity [%]	0	≤ 10	-
Airtightness	Pressurization test result (n ₅₀) [1/h]	0,4	≤ 0,6	-
Non-renewable primary energy (PE)	PE demand [kWh/(m ² a)]	110	≤ 0	-
Renewable primary energy (PER)	PER-demand [kWh/(m ² a)]	46	≤ 45	62
	Generation (reference to ground area) [kWh/(m ² a)]	95	≥ 60	30

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

Kempten, 08. January 2020

Certifier: Peter Andreas-Tschiesche, Energie- und Umweltzentrum Allgäu