

Certificate

Certified Passive House Plus



Authorised
by:



Dr. Wolfgang Feist
64283 Darmstadt
Germany

Stich Residence 13th Ave. 703, V0A 1K4 Invermere, Canada



Client	Jasminka & Tomaz Stich 12th Ave. 409 #2 V0A 1K0 Invermere, Canada
Architect	Stich Consulting & Design Inc. 12th Ave. 409 #2 V0A1K0 Invermere, Canada
Building Services	Stich Consulting & Design 12th Ave. 409 #2 V0A 1K0 Invermere, Canada
Energy Consultant	Stich Consulting & Design Inc. 12th Ave. 409 #2 V0A 1K0 Invermere, 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)]	10 ≤	15	-
Heating load [W/m ²]	11 ≤	-	10
Cooling			
Cooling + dehumidification demand [kWh/(m ² a)]	- ≤	-	-
Cooling load [W/m ²]	- ≤	-	-
Frequency of overheating (> 25 °C) [%]	0 ≤	10	
Frequency of excessively high humidity [%]	0 ≤	20	
Airtightness			
Pressurization test result (n ₅₀) [1/h]	0,5 ≤	0,6	
Non-renewable primary energy (PE)			
PE demand [kWh/(m ² a)]	112 ≤	-	
Renewable primary energy (PER)			
PER-demand [kWh/(m ² a)]	56 ≤	45	56
Generation (reference to ground area) [kWh/(m ² a)]	99 ≥	60	77

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

Kempten, 20. July 2020

Certifier: Peter Andreas-Tschiesche, Peter Andreas Tschiesche/ EZA