

Certificate

Certified Passive House Classic



Authorised
by:



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North Park Passive House 860 Queens Ave., BC V8T 1M5 Victoria, Canada



Client	Bernhardt Developments Ltd. 1535 Oak Crest Dr BC V8P 1K7 Victoria, Canada
Architect	Adam Fawkes, HCMA Architecture & Design Suite 300-569 Johnson Street BC V8P 1K7 Victoria, Canada
Building Services	Bernhardt Developments Ltd. 1535 Oak Crest Dr BC V8P 1K7 Victoria, Ireland
Energy Consultant	Mark Bernhardt 1535 Oak Crest Dr BC V8T 1M5 Victoria, 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 Classic' standard:

Building quality		This building		Criteria	Alternative criteria
Heating	Heating demand [kWh/(m ² a)]	11	≤	15	-
	Heating load [W/m ²]	11	≤	-	10
Cooling	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)]	152	≤	-	
Renewable primary energy (PER)	PER-demand [kWh/(m ² a)]	73	≤	60	73
	Generation (reference to ground area) [kWh/(m ² a)]	60	≥	-	29

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

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Certifier: Tomas O'Leary, Passive House Academy