Certificate

Certified Passive House Classic

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany

Indwell & Hughson St. Baptist Church Redevelopment
500 James St. North, L8L 1J4 Hamilton, Canada

Certified Passive House
Passive House Institute
| classic | plus | premium |

Client	Hughson St. Baptist Church 383 Hughson Street North L8L 4N2 Hamilton, Canada
Architect	Invizij Architects 185 Young Street L8N 1V9 Hamilton, Canada
Building Services	CK Engineering 302 - 3390 South Service Road L7N 3J5 Burlington, Canada
Energy Consultant	Peel Passive House 118 Craigleith Road L9Y 0S3 Blue Mountains, 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/(m²a)]	15	≤	15	-
Heating load	[W/m²]	12	≤	-	10
Cooling					
Cooling + dehumidification demand	[kWh/(m²a)]	5	≤	15	16
Cooling load	[W/m²]	5	≤	-	11
Frequency of excessively high humidity	[%]	0	≤	10	
Airtightness					
Pressurization test result (n_{50})	[1/h]	0.5	≤	0.6	
Non-renewable primary energy (PE)					
PE demand	[kWh/(m²a)]	125	≤	132	

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

Darmstadt
11/4/2022

Certifier: Elena Reyes Bernal, Passivhaus Institut GmbH