

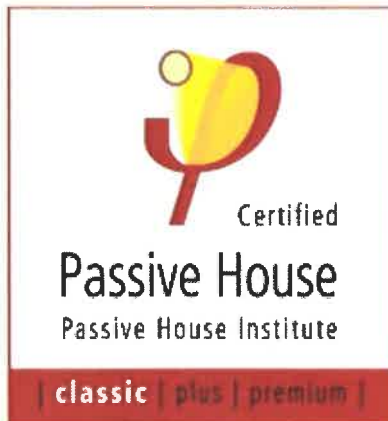
# Certificate

Certified Passive House Classic



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Germany

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



|                   |  |
|-------------------|--|
| Client            | Hughson St. Baptist Church<br>383 Hughson Street North<br>L8L 4N2 Hamilton, Canada |
| Architect         | Invizij Architects<br>185 Young Street<br>L8N 1V9 Hamilton, Canada                 |
| Building Services | CK Engineering<br>302 - 3390 South Service Road<br>L7N 3J5 Burlington, Canada      |
| Energy Consultant | Peel Passive House<br>118 Craigleith Road<br>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 |    |
|--|--|---------------|----------|----------------------|----|
| <b>Heating</b>                           | Heating demand [kWh/(m <sup>2</sup> a)]                    | 15            | ≤        | 15                   | -  |
|  | Heating load [W/m <sup>2</sup> ]                           | 12            | ≤        | -                    | 10 |
| <b>Cooling</b>                           | Cooling + dehumidification demand [kWh/(m <sup>2</sup> a)] | 5             | ≤        | 15                   | 16 |
|  | Cooling load [W/m <sup>2</sup> ]                           | 5             | ≤        | -                    | 11 |
|  | Frequency of excessively high humidity [%]                 | 0             | ≤        | 10                   |    |
| <b>Airtightness</b>                      | Pressurization test result (n <sub>50</sub> ) [1/h]        | 0.5           | ≤        | 0.6                  |    |
| <b>Non-renewable primary energy (PE)</b> | PE demand [kWh/(m <sup>2</sup> a)]                         | 125           | ≤        | 132                  |    |

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

Darmstadt  
11/4/2022

  
Certifier: Elena Reyes Bernal, Passivhaus Institut GmbH