

# EnerPHit Verification



**Architecture:** ERA Architects  
 Street: 625 Church St #600  
 Postcode/City: M4Y 2G1 Toronto  
 Province/Country: Ontario CA-Canada

**Energy consultancy:** JMV / Transsolar GmbH  
 Street: 1586 Robb Ave.  
 Postcode/City: V9M 2Y2 Comox  
 Province/Country: British Columbia CA-Canada

Year of construction: 2019  
 No. of dwelling units: 146  
 No. of occupants: 181.3

**Building:** Ken Soble Tower  
 Street: 500 MacNab St N  
 Postcode/City: L8L 1L8 Hamilton  
 Province/Country: Ontario CA-Canada  
 Building type: Multi-story affordable Housing  
 Climate data set: CA0001b-Toronto  
 Climate zone: 3: Cool-temperate Altitude of location: 83 m

**Home owner / Client:** CityHousing Hamilton  
 Street: 55 Hess St S, 23rd Floor  
 Postcode/City: L8N 4E5 Hamilton - PO Box 2500  
 Province/Country: Ontario CA-Canada

**Mechanical engineer:** REINBOLD ENGINEERING GROUP  
 Street: 214 King Street West, Suite 212  
 Postcode/City: M5H 3S6 Toronto  
 Province/Country: Ontario CA-Canada

**Certification:** Herz & Lang GmbH  
 Street: Ritzensonnenhalb 5a  
 Postcode/City: 87480 Weitnau  
 Province/Country: Bavaria DE-Germany

Interior temperature winter [°C]: 20.0 Interior temp. summer [°C]: 25.0  
 Internal heat gains (IHG) heating case [W/m²]: 3.5 IHG cooling case [W/m²]: 3.7  
 Specific capacity [Wh/K per m² TFA]: 156 Mechanical cooling: x

## Specific building characteristics with reference to the treated floor area

Criteria	Alternative criteria	Fulfilled? <sup>2</sup>
<b>Space heating</b>		
Treated floor area m <sup>2</sup>	5353.4	
Heating demand kWh/(m <sup>2</sup> a)	24	≤ 25
Heating load W/m <sup>2</sup>	15	≤ -
<b>Space cooling</b>		
Cooling & dehum. demand kWh/(m <sup>2</sup> a)	4	≤ 19
Cooling load W/m <sup>2</sup>	7	≤ -
Frequency of overheating (> 25 °C) %	-	≤ -
Frequency of excessively high humidity (> 12 g/kg) %	9	≤ 10
<b>Airtightness</b>		
Pressurization test result n <sub>50</sub> 1/h	0.2	≤ 1.0
<b>Non-renewable Primary Energy (PE)</b>		
PE demand kWh/(m <sup>2</sup> a)	155	≤ 196
<b>Primary Energy Renewable (PER)</b>		
PER demand kWh/(m <sup>2</sup> a)	106	≤ -
Generation of renewable energy (in relation to projected building footprint area)	0	≥ -

<sup>2</sup> Empty field: Data missing; '-': No requirement

I confirm that the values given herein have been determined following the PHPP methodology and based on the characteristic values of the building. The PHPP calculations are attached to this verification.

EnerPHit Classic? **yes**  
 Signature:

Task: 1-Designer First name: Joshua Surname: Vanwyck  
 Issued on: 09.12.21 City: Kimberley, BC  
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