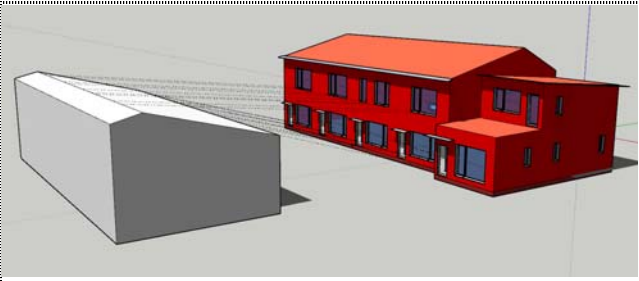


# Passive House Verification



**Architecture:** BLDG Studio Inc - Crystal Bueckert  
 Street: \_\_\_\_\_  
 Postcode/City: \_\_\_\_\_ Saskatoon  
 Province/Country: Saskatchewan Canada

**Energy consultancy:** Bright Buildings - Michael Nemeth  
 Street: \_\_\_\_\_  
 Postcode/City: \_\_\_\_\_ Saskatoon  
 Province/Country: Saskatchewan Canada

Year of construction: 2017  
 No. of dwelling units: 5  
 No. of occupants: 11.4

**Building:** Radiance Cohousing BLDG A  
 Street: 475 Avenue L South  
 Postcode/City: S7M 2H4 Saskatoon  
 Province/Country: Saskatchewan CA-Canada  
 Building type: Multifamily Residential  
 Climate data set: CA0011b-Saskatoon  
 Climate zone: 2: Cold Altitude of location: 487 m

**Home owner / Client:** Radiance Cohousing Development Company Inc.  
 Street: \_\_\_\_\_  
 Postcode/City: \_\_\_\_\_ Saskatoon  
 Province/Country: Saskatchewan Canada

**Mechanical engineer:** Michael Nemeth, P.Eng  
 Street: \_\_\_\_\_  
 Postcode/City: \_\_\_\_\_ Saskatoon  
 Province/Country: Saskatchewan Canada

**Certification:** Peel Passive House Consulting - Andrew Peel  
 Street: \_\_\_\_\_  
 Postcode/City: \_\_\_\_\_ Blue Mountains  
 Province/Country: Ontario Canada

Interior temperature winter [°C]: 20.0 Interior temp. summer [°C]: 25.0  
 Internal heat gains (IHG) heating case [W/m²]: 2.6 IHG cooling case [W/m²]: 4.1  
 Specific capacity [Wh/K per m² TFA]: 84 Mechanical cooling: \_\_\_\_\_

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

		Treated floor area m²		Criteria	Alternative criteria	Fulfilled? <sup>2</sup>
<b>Space heating</b>	Heating demand kWh/(m²a)	466.5	≤	15	-	yes
	Heating load W/m²	15	≤	-	10	
<b>Space cooling</b>	Cooling & dehum. demand kWh/(m²a)	-	≤	-	-	-
	Cooling load W/m²	-	≤	-	-	-
	Frequency of overheating (> 25 °C) %	7	≤	10	-	yes
	Frequency of excessively high humidity (> 12 g/kg) %	0	≤	20	-	yes
<b>Airtightness</b>	Pressurization test result n <sub>50</sub> 1/h	0.6	≤	0.6	-	yes
<b>Non-renewable Primary Energy (PE)</b>	PE demand kWh/(m²a)	125	≤	-	-	-
<b>Primary Energy Renewable (PER)</b>	PER demand kWh/(m²a)	57	≤	45	57	yes
	Generation of renewable energy (in relation to projected building footprint area) kWh/(m²a)	94	≥	60	78	

<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.

Passive House Plus? **yes**

Task: \_\_\_\_\_ First name: Michael Surname: Nemeth  
 Issued on: \_\_\_\_\_ City: \_\_\_\_\_

Signature: \_\_\_\_\_