

Passive House Verification

Photo or Drawing

Building: Blossom Park Redevelopment

Street: 373 Blossom Park Rd.

Postcode/City: Woodstock

Province/Country: Ontario CA-Canada

Building type: Apartment Building

Climate data set: CA0038a-London

Climate zone: 3: Cool-temperate Altitude of location: 288 m

Home owner / Client:

Street:

Postcode/City:

Province/Country:

Mechanical engineer:

Street:

Postcode/City:

Province/Country:

Certification:

Street:

Postcode/City:

Province/Country:

Architecture:

Street:

Postcode/City:

Province/Country:

Energy consultancy:

Street:

Postcode/City:

Province/Country:

Year of construction:

No. of dwelling units: 34

No. of occupants: 40.0

Interior temperature winter [°C]: 20.0

Interior temp. summer [°C]: 25.0

Internal heat gains (IHG) heating case [W/m²]: 3.1

IHG cooling case [W/m²]: 4.2

Specific capacity [Wh/K per m² TFA]: 60

Mechanical cooling: x

Specific building characteristics with reference to the treated floor area

				Criteria	Alternative criteria	Fulfilled? ²
Space heating	Treated floor area m²	1772.9				
	Heating demand kWh/(m²a)	12	≤	15	-	yes
	Heating load W/m²	8	≤	-	10	yes
Space cooling	Cooling & dehum. demand kWh/(m²a)	3	≤	16	16	yes
	Cooling load W/m²	5	≤	-	11	yes
	Frequency of overheating (> 25 °C) %	-	≤	-	-	-
	Frequency of excessively high humidity (> 12 g/kg) %	5	≤	10	-	yes
Airtightness	Pressurization test result n ₅₀ 1/h	0.6	≤	0.6	-	yes
Non-renewable Primary Energy (PE)	PE demand kWh/(m²a)	122	≤	120	-	no
Primary Energy Renewable (PER)	PER demand kWh/(m²a)	93	≤	-	-	-
	Generation of renewable energy (in relation to projected building footprint area) kWh/(m²a)	60	≥	-	-	-

² 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 Classic?

no

Task:

First name:

Surname:

Signature:

Issued on:

City: