

LOAD CALCULATION FORM for Duplexes

Last updated June 15, 2021

To be completed by the Electrical Contractor before an Electrical Permit can be issued

Project Address: _____ **Electrical Permit #:** _____

Electrical Contractor: _____ **Building Permit #:** _____

Type of Service (Tick one) Overhead: _____ Underground: _____

Size of Service (Amps, Voltage and Phase) Amps: _____ Voltage: _____ Phase: _____

Number of Meters, Amps and Phase Number: _____ Amps: _____ Phase: _____

Number: _____ Amps: _____ Phase: _____

Primary Dwelling Unit #1

Unit Size	_____	m²
3500 watts for the first 45m ²	_____	W
1500 watts for the second 45 m ² or portion thereof	_____	W
1000 watts for each 90 m ² or portion thereof in excess of 90 m ²	_____	W
Any electric range (CEC 8-200(a)(iv))	_____	W
Air conditioning (CEC 8-200(a)(iii))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W
Subtotal Watts	_____	W

Primary Dwelling Unit #2

Unit Size	_____	m²
3500 watts for the first 45m ²	_____	W
1500 watts for the second 45 m ² or portion thereof	_____	W
1000 watts for each 90 m ² or portion thereof in excess of 90 m ²	_____	W
Any electric range (CEC 8-200(a)(iv))	_____	W
Air conditioning (CEC 8-200(a)(iii))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W
Subtotal Watts	_____	W

100% of the calculated load in the unit having the heaviest load _____ **W**

65% of the sum of the calculated load of the next unit _____ **W**

Electric space heating loads (as permitted in CEC Section 62) _____ **W**

First 10000 Watts at 100% of electric base board heat (CEC Section 62) _____ **W**

The balance of the connected heating load at 75% (CEC Section 62) _____ **W**

Subtotal Watts _____ **W**

Total Watts _____ **W**

NOTE:

For buildings where the unit is 80m² or more:

a) 100 amps is the minimum allowed ampacity used in the calculation.

b) If the calculated loads exceeds 100 A, the calculated load must be used.

For buildings where units are less than 80m² :

a) 60 amps is the minimum allowed ampacity used in the calculation.

b) If the calculated loads exceeds 60 A, the calculated load must be used.