

LOAD CALCULATION FORM

for Single Family Dwellings with Secondary Suites

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 Size

5000 watts for the first 90 m ²	_____	m ²
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
Tankless water heater or electric pool water heater (CEC 8-200(a)(v))	_____	W
Electric Vehicle charging equipment (CEC 8-200(a)(vi))	_____	W
Please list any additional loads (CEC 8-200(a)(vii))	_____	W

Subtotal Watts _____ W

Secondary Suite Unit Size

3500 watts for the first 45 m ²	_____	m ²
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
Please list any additional loads (CEC 8-200(a)(vii))	_____	W

Subtotal Watts _____ W

Primary Dwelling Wattage (at 100%)

_____ W

Secondary Suite Wattage (at 65%)

_____ W

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

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

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

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.