

LOAD CALCULATION FORM

for Single Family Dwellings with Secondary Suites

Last updated March 12, 2015

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	_____	m ²
5000 watts for the first 90 m ²	_____	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
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	_____	m ²
3500 watts for the first 45 m 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
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)	_____	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.