

Load Calculation Form

Single Family Dwellings

Project Address _____ Electrical Permit # _____

Electrical Contractor _____ Building Permit # _____

Type of Service (select one) Overhead Underground

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

Primary Dwelling Unit Size _____ **m²**

5000 watts for the first 90 m² W _____
1000 watts for each 90 m² (or portion thereof, in excess of 90 m²) 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 =

Secondary Suite Unit Size _____ **m²**

3500 watts for the first 45 m² W _____
1500 watts for each 45 m² (or portion thereof) W _____
1000 watts for each 90 m² (or portion thereof, in excess of 90 m²) W _____
Any electric range (CEC 8-200(a)(iv)) W _____
Please list any additional loads (CEC 8-200(a)(vii)) W _____

Subtotal Watts =

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**

Total Amps _____ **A**

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 exceed 100 A, the calculated load must be used.
- c) 60 amps is the minimum allowed ampacity used in the calculation.
- d) If the calculated loads exceed 60 A, the calculated load must be used.

