# 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 | _____ **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.*

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