LOAD CALCULATION FORM
for Townhouses and Row Houses
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:

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

Subtotal Watts

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

Subtotal Watts

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

Subtotal Watts

Subtotal Watts
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Service Conductors
The minimum ampacity of the service conductors supply two or more dwellings shall be based on the following (CEC 8-202(3)(a)):

100% of the calculated load in the unit having the heaviest load __________________________ W
65% of the sum of the calculated loads in the next 2 units having the same or next smaller loads __________________________ W
40% of the sum of the calculated loads in the next 2 units having the same or next smaller loads __________________________ W
25% of the sum of the calculated loads in the next 15 units having the same or next smaller loads __________________________ W
10% of the sum of the calculated loads in the remaining units __________________________ W

Subtotal Watts __________________________ W

House Loads
Please list all house loads (at 75% per CEC 8-202(e)) __________________________ W
________________________ W
________________________ W
________________________ W

Subtotal Watts __________________________ W

Electric Space Heating
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