PLANNING & DEVELOPMENT DEPARTMENT BUILDING DIVISION

CITY OF NORTH VANCOUVER 141 WEST 14TH STREET, NORTH VANCOUVER, BC V7M 1H9 T 604 982 WORK (9675) TRADEPERMITS@CNV.ORG





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				m ²
3500 watts for the first 45m ²				V
1500 watts for the second 45 m ² or portion thereof				V
1000 watts for each 90 m ² or portion thereof in excess	of 90 m ²			V
Any electric range (CEC 8-200(a)(iv))				V
Air conditioning (CEC 8-200(a)(iii))				V
Please list any additional loads (CEC 8-200(a)(vii))				V
	Subtotal	Watts		V
Second-Largest Unit				
Unit Size				m
3500 watts for the first 45m ²				V
1500 watts for the second 45 m ² or portion thereof				V
1000 watts for each 90 m ² or portion thereof in excess	of 90 m ²			V
Any electric range (CEC 8-200(a)(iv))				V
Air conditioning (CEC 8-200(a)(iii))				V
Please list any additional loads (CEC 8-200(a)(vii))				V
	Subtotal Watts			W
Third-Largest Unit				
Unit Size				m
3500 watts for the first 45m ²				V
1500 watts for the second 45 m ² or portion thereof				V
1000 watts for each 90 m ² or portion thereof in excess			V	
Any electric range (CEC 8-200(a)(iv))				V
Air conditioning (CEC 8-200(a)(iii))				V
Please list any additional loads (CEC 8-200(a)(vii))				V
	Subtotal	Watts		V

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Service Conductors		
The minimum ampacity of the service conductors supply t (CEC 8-202(3)(a)):	two or more dwellings shall be based on the	following
100% of the calculated load in the unit having the heavies	st 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	n 62)	W
First 10000 Watts at 100% of electric base board heat (Cl	W	
The balance of the connected heating load at 75% (CEC Section 62)		W
	Subtotal Watts	W
	Total Watts	w

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