

Electrical Load Calculation for Commercial Tenant Improvement

Master Requirement ELE 104

Building Department: 604-990-2480, building@dnv.org

Purpose

Prior to the issuance of an electrical permit where one or more of the following is being installed, a Load Calculation sheet must be completed by the Electrical Contractor and provided to the Electrical Department for approval:

- Air Conditioner
- Heat Pump
- Sauna
- Car Charger
- Hot tub
- Any new kitchen appliance above 20A

To be completed by the Electrical Contractor before an Electrical Permit can be issued

Permit Details

Project Address: _____

Electrical Permit Number: _____ Building Permit Number: _____

Electrical Contractor: _____

Service Details

Type of Service (tick one): ☐ Overhead ☐ Underground

Size of Service: Volts: _____ Amps: _____ Phase: ☐ 1 ☐ 3

Size of distribution panel(s): _____

Type of Occupancy

Unit Size

W/m² as per Table 14 (CEC 8-210)

Total W

Electric space heating loads (at 75% as per CEC Section 62-116(4)(b))

Please list any additional loads (at 100%)

List Loads		
		W
		W
		W

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		W
		W
		W
		W
		W
		W
		W
		W
		W
		W
		W
Total Watts		W

Size of main service: Volts: _____ Amps: _____ Phase: ☐ 1 ☐ 3

For TI's list all existing distribution panel in unit

Panel 1	Volts: _____ Amps: _____	Phase: _____
Panel 2	Volts: _____ Amps: _____	Phase: _____
Panel 3	Volts: _____ Amps: _____	Phase: _____
Panel 4	Volts: _____ Amps: _____	Phase: _____