

**Electrical Load Calculation for a Sub-division of a Single-Family Dwelling with Secondary Suite
Canadian Electrical Code (CEC) Rule 8-200(2)**

Location Address:

Permit Number(s):

CEC Rule 8-200(2)	SFD m ²	SS m ²
Minimum ampacity of service feeder conductors from a main supplying two or more dwelling units.		
(l)(a)(i) a basic load of 5000 W for the first 90 m ² of living area (see Rule 8-110); plus		
(l)(a)(ii) an additional 1000W for each 90 m ² or portion thereof in excess of 90 m ² ; plus		
(l)(a)(iii) any electric space-heating loads (Section 62); plus		
(1 (a)(iii) any AC "Rule 8-106(4)"		
(1)(a)(iv) Single electric range: 6000 W + 40%-exceeds 12 kW; plus		
(1)(a)(v) electric tankless water heaters or water heaters for steamers, swimming pools, hot tubs, or s as. 100%; plus		
(1)(a)(vi) electric vehicle charging equipment loads. 100%; plus		
(1)(a)(vii) additional loads: electric range provided-25% X (>1500 W), or no electric range provided-100% of (>1500 W) up to 6000 W, + 25% X (>6000 W); or		
(1)(b)(i) 100 A, exclusive of basement, is 80 m ² or more: or (ii) 60 A, exclusive of basement floor area, is less than 80 m ² .		
Total calculated demand loads (watts)		
Each Main Breaker, O/C. Type & size of consumer's service conductors.	Amps	
	cu/A1 AWG/kcmil	

■ *Area in m² (1 square meter = 10.764 square feet)

■ Contractor to provide accurate m² as calculated per info from Building permit, for the purpose of CEC Rule 8-110.

■ **Main Panel:** All main breakers, fuses must be identified and labelled for max load allowed. CEC 2-100 (5) & (6).

■ **How to Book an Inspection:** To book an inspection when service is ready for the connection, call 780-538-0421 or email inspections@cityofgp.com

Demand Application			
CEC Rule 8-200(2)			
8-200(2)(a) excluding any electric space-heating and AC loads: 8-202(3)(a)(i)-100% of calculated load of unit with heaviest load; + (3)(a)(ii)-65% of next two units.	100% SFD:		The size of consumer's service conductors between the Supply Authority point of attachment and meter base to be based on the calculated load obtained from Subrule (1)(a) or (b) and 8-202(3)(a)(i) to (ii); plus 8-202(3)(b)&(c). The main bus of the meter base must comply with Rule 8-200(2) & (1).
	65% SS:		
electric space-heating loads "Section 62, subject to Rule 8-106(4)" and 100% air-conditioning loads "subject to Rule 8-106(4)".	Electric space-heating loads:		
	Air-conditioning loads:		
Total Calculated Load:			
Size & Type of Service Conductors: (AWG/kcmil, Cu/Al)			
Meter Size:			

Electrical Load Calc Template for Secondary Suites

Signature			
I have verified that the information contained within this document is correct.			
Electrical Master Name:		Certification #:	
Email Address:		Phone Number:	
Signature:		Date:	

- When a secondary suite is added to an existing property a service demand calculation is to be completed by applicant and submitted to inspections@cityofgp.com
- When the calculated demand determines that an increase of the service is required from a 60-amp, 100 amp, or 200-amp service you must contact Atco Electric at 780-538-7054 to check if the increased service size is available.
- Electrical Load Calc Template for Secondary Suites