



GIFTS OF KINDNESS

City of Chestermere Electrical Inspection

Single Family Dwelling Permit

EP

Secondary/Laneway/Backyard Suite Permit

EP

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

Single Family Dwelling Address (SFD):

Secondary Suite Address (SS):

Laneway/Backyard Suite Address (LWH):

CEC Rule 8-200(2) Minimum ampacity of service feeder conductors from a main supplying two or more dwelling units.	SFD m ²	SS m ²	LWH m ²	*Area in m ² (1 square meter = 10.764 square feet)		
(1)(a)(i) a basic load of 5000 W for the first 90 m ² of living area (see Rule 8-110); plus						
(1)(a)(ii) an additional 1000 W for each 90 m ² or portion thereof in excess of 90 m ² ; plus						
(1)(a)(iii) any electric space heating loads (Section 62); plus						
(1)(a)(iv) any AC "Rule 8-106(4)"						
(1)(a)(v) single electric range: 6000 W + 40%-exceeds 12 kW; plus						
(1)(a)(vi) electric tankless water heaters or water heaters for steamers, swimming pools, hot tubs, or spas. 100%; plus						
(1)(a)(vii) electric vehicle charging equipment loads. 100%; plus						
(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)	W	W	W			
Each Main Breaker, O/C. Type & size of consumer's service conductors.	Amps	Cu/Al AWG/kcmil	Amps	Cu/Al AWG/kcmil	Amps	Cu/Al AWG/kcmil

CEC Rule 8-200(2)	Demand Application			
8-200(2)(a) excluding any electric space-heating & air-cond 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: 65% LWH: 65% SS:			
8-200(2)(a)(b), 8-202(3)(b)(c). 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: Watts.	Amps.	Size & Type of Service Conductors: (AWG/kcmil, Cu/Al)		Meter size

I have verified that the information contained within this document is correct.

Electrical Master Last, First Name & License #	Email Address	Phone Number
Signature	Date: _____ / _____ / _____ Year Month Day	

- When a secondary suite or laneway house is added to an existing property a service demand calculation is to be completed by applicant and submitted to inspections@chestermere.ca
- 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 at to check if the increased service size is available.