



**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	
(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)(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 spas. 100%; plus						
(1)(a)(vi) electric vehicle charging equipment loads. 100%; plus						
(1)(a)(vii) additional loads: <u>electric range provided</u> -25% X (>1500 W), or <u>no electric range provided</u> -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)	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

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

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

*Book an inspection when service is ready for the connection.

*The service panelboard and branch circuits from a panel board of SFD or SS or SFD with SS must not be located and connected to outlets or electrical equipment in the Backyard Suite. CEC Rules 26-402(1) 26-724(a).

CEC Rule 8-200(2)	Demand Application		
8-200(2)(a) excluding any electric space-heating & air-cond loads:	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).
8-202(3)(a)(i)-100% of calculated load of unit with heaviest load; +	65% LWH:		
(3)(a)(ii)-65% of next two units.	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	Electric space-heating loads:		
100% air-conditioning loads "subject to Rule 8-106(4)".	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.