Electrical Inspection Load Calculation

Single Dwelling, with a Secondary Suite or Garden Suite

(1) Principle Dwelling Unit Address :	
(2) Secondary Suite Address:	
(3) Garden Suite Address:	

CEC Rule	(1) Principle m²	(2) Secondary m²	(3) Garden m²	Notes
Rule 8-200(2) Minimum ampacity of service feeder conductors from a main supplying two or more dwelling units; *and*				Area in m² (1 square meter = 10.764 square feet)
(1)(a)(i) is a basic load of 5000 W for the first 90m² of living area (see Rule 8-110); *and*				
(1)(a)(ii) an additional 1000 W for each 90m² or portion thereof in excess of 90m²; *and*				
(1)(a)(iii) any electric space heating loads (Section 62); *and*				Contractor must provide accurate m² as calculated from the information in the Building or Development Permit, for the purpose of CEC Rule 8-110
(1)(a)(iii) any AC (Rule 8-106(3); *and*				
(1)(a)(iv) single electric range: 6000 W + 40% exceeds 12 kW; *and*				
(1)(a)(v) electric tankless water heaters or water heaters for steamers, swimming pools, hot tubs, or spas. 100%; *and*				To book an inspection when the service is ready for the connection, call 311
(1)(a)(vi) electric vehicle charging equipment loads 100%; *and*				
(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**				CEC Rules 26-402(1) 26-724(a)The service panelboard in any dwelling cannot be in a closet, bathroom, stairways or undesirable locations. Main service panelboard must be located within the principle dwelling or common area. Branch circuits from a panelboard within the principle dwelling/secondary suite must not be located and connected to outlets or electrical equiment in the Garden Suite.
(1)(b)(i) 100 A, exclusive of basement, is 80m² or more; or (ii)) 60A, ecxclusive of basement floor area, is less than 80m²				
Total Calculated Load (W):	**W(1)**	**W(2)**	**W(3)**	
Each Main Breaker, O/C. Type and size of Consumer's service conductors	**A** / **AWG/kcmil**	**A** / **AWG/kcmil**	**A** / **AWG/kcmil**	

CEC rule 8-200 (2)	Demand Application			
8-200 (2)(a) excluding any electric space-heating and air conditioner loads: 8-202(3)(a)(i)-100% of calculated load of unit with heaviest load; + (3)(a)(ii)-65% of next two units	**100% Primary dwelling (1):**			The size of a consumer's service conductors between the Supply Authority point of attachment and meter base is 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% LWH (2)+(3)			
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 (1), (2) and (3), (W)	Watts	Amps	Size and Type of Service Conductors (AWG/kcmil)	Meter Size

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

Electrical Master Name and Certificate Number

Email Address

Phone Number

Signature

Date

When a Secondary Suite or a Garden suite is located on a property with a dwelling unit, a service demand calculation is to be provided by the applicant.

When the calculated demand indicates that an increase of the service is required from a 100A to 200A, you must contact EPCOR at ces@epcor.com to check availability of the increased service size.