Single dwelling demand calculation worksheet

Date:	Property address:	Permit number:

Living area calculation

Determined from inside dimensions and shall include the sum of the following [8-110]:	(1 m² = 10.764 sq. ft.)	
100% of the area on the ground floor		m²
100% of any areas above the ground floor used for living purposes		m²
75% of the area below the ground floor		m²
Total dwelling unit area:		**m²**

Demand load calculation

Load description	Demand	Load	
Basic load [8-200 1) a) i) & ii)]	5000 W for the first 90 m² of living area	5000	W
	1000 W for each additional 90 m² or portion thereof		W
Electric heat [8-200 1) a) iii)]	the first 10 kW or portion thereof @ 100%		W
	plus, any remaining kW @ 75%		W
	plus, electric furnace, duct heater or thermal storage @ 100%		W
Air-conditioning [8-200 1) a) iii)]	@ 100% unless interlocked with electric heat		W
Electric range [8-200 1) a) iv)]	6000 W for a single range with a rating up to 12 kW		W
	plus, 40% of the portion by which the range exceeds 12 kW		W
Electric water heaters [8-200 1) a) v)]	tankless, steamers, swimming pools, hot tubs, or spas @ 100%		W
Electric vehicle charger [8-200 1) a) vi)]	@ 100%		W
Additional loads [8-200 1) a) vii)]	@ 25% of the rating of each load, if an electric range has been provided for **OR** @ 100% of the combined load up to 6000 W, plus 25% of the combined load that exceeds 6000 W, if an electric range has not been provided for		
	domestic hot water tank		W
	clothes dryer		W
	additional range		W
	other (specify):		W
	other (specify):		W
	other (specify):		W
	other (specify):		W
Total dwelling unit calculated demand load*:			**W**
Minimum demand* [8-200 1) b)]**:** 24 000 W where the area (excluding basement) is 80 m² or more 14 400 W where the area (excluding basement) is less than 80 m²			**W**
Dwelling voltage:			**V**
Dwelling unit service/feeder size: (total dwelling unit demand in watts* ÷ dwelling voltage)			**A**

*Use the greater of the calculated demand or the minimum demand, i.e. 8-200 1) a) or 8-200 1) b).