

## Single dwelling demand calculation worksheet

Date:	Property address:	Permit number:
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### Living area calculation

Determined from inside dimensions and shall include the sum of the following [8-110]:		(3.281 ft <sup>2</sup> = 1 m <sup>2</sup> )
100% of the area on the ground floor		m <sup>2</sup>
100% of any areas above the ground floor used for living purposes		m <sup>2</sup>
75% of the area below the ground floor		m <sup>2</sup>
<b>Total dwelling unit area:</b>		<b>m<sup>2</sup></b>

### Demand load calculation

Load description	Demand	Load
Basic load [8-200 1) a) i) & ii)]	5000 W for the first 90 m <sup>2</sup> of living area	5000 W
	1000 W for each additional 90 m <sup>2</sup> 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 <b>OR</b> @ 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
<b>Total dwelling unit calculated demand load*:</b>		<b>W</b>
<b>Minimum demand*</b> [8-200 1) b)]: 24 000 W where the area (excluding basement) is 80 m <sup>2</sup> or more 14 400 W where the area (excluding basement) is less than 80 m <sup>2</sup>		<b>W</b>
<b>Dwelling voltage:</b>		<b>V</b>
<b>Dwelling unit service/feeder size:</b> (total dwelling unit demand in watts* ÷ dwelling voltage)		<b>A</b>

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