



Electrical Demand Load Calculation

Single Family Dwelling & Detached Dwelling Unit

Permit # : _____ Address : _____ Date : _____

Contractor : _____ FSR : _____ FSR # : _____

Signature: _____

❖	
Basic load plus each 90m ² of remainder or portion of x 1000w	(House) 5000 + _____ W
1 st Range _____ kw (up to 12 kw remainder @40%)	(House) 6000 + _____ W
Electric Heating	(House) _____ W
All Air Conditioning Loads	(House) @ 100% _____ W
Any Electric Vehicle Charging equipment	(House) @ 100% _____ W
Other loads (100% demand for tank-less water heaters, steamers, swimming pools, hot tubs and spas)	
House Feeder Conductor Type <input type="checkbox"/> (CU) <input type="checkbox"/> (AL) House Feeder Conductor Size _____ (kcmil/AWG)	
House (minimum 24 000w or calculated)	(House) _____ W
❖	
Detached Dwelling Unit - Basic load plus each 90m ² of remainder or portion of x 1000w	(Suite) 5000 + _____ W
Range _____ kw (up to 12 kw remainder @40%)	(Suite) 6000 + _____ W
Any Electric Heating	(Suite) _____ W
Other loads	
Suite Feeder Conductor Type <input type="checkbox"/> (CU) <input type="checkbox"/> (AL) Suite Feeder Conductor Size _____ (kcmil/AWG)	
Detached Dwelling Unit (minimum 14 400w, greater than 80 m ² 24 000w or calculated)	(Suite) _____ W
❖	
House (subtract heating load if used) = _____ W	@ 100% _____ W
Detached Dwelling Unit (subtract heating load if used) = _____ W	@ 65 % _____ W
Total Demand with Heating = _____ Amp Service Conductor Type <input type="checkbox"/> (CU) <input type="checkbox"/> (AL) (Electric Heating 1 st 10KW@100% remainder @75%) Service Conductor Size _____ (kcmil/AWG)	