



Town of Tiburon – Building Division

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Residential Service Load Worksheet			
Optional Calculation for Dwelling Unit per California Electrical Code (CEC)			
Address:		Permit#:	Date:
Electrical Contractor Name:		Electrical Contractor License #:	
Building Square Feet:		Gas Furnace? Yes: <input type="checkbox"/> No: <input type="checkbox"/>	
Rating of Equipment: Name Plate Rating (NPR)	(NPR)	Watts (=volts x amps)	X%= Total
Air Conditioning:	NPR		X 1.00 =
Heat Pump:	NPR		X 1.00 =
Central Heating System (if electric)	NPR		X 0.65 =
Electric Space Heaters (less than 4 separately controlled)	NPR		X 0.65 =
Electric Space Heaters (greater than 4 separately controlled)	NPR		X 0.40 =
Transfer the largest value (watts) from the above 5 lines to the space below titled "From Above"			
<u>AIR CONDITIONING</u> <u>EXAMPLE:</u>	Compressor =	<u>16.0 Amps</u>	
	Air Handler =	<u>2.0 Amps</u>	
	25% of the largest motor =	<u>4.0 Amps</u>	
	Total =	<u>22.0 Amps X 240 Volts = 5,280 Watts</u>	
Quantity:	Item:	Watts (= Volts X Amps)	
	Square Feet	X 3 Watts =	
	Two 20 Amp Kitchen Appliance Circuits	@ 1,500 Watts Each =	
	Range – Cooktop – Ovens	NPR =	
	Microwave (separate)	NPR =	
	Water Heater (if electric)	NPR =	
	Dishwasher – Garbage Disposal	NPR =	
	Clothes Washer	20 Amp @ 1,500 Watts =	
	Dryer (if electric)	Greater of 5,000 or NPR =	
	Motor Loads	NPR =	
	Pool – Spa	NPR =	
	Other Loads	=	
		Subtotal =	
		(Subtotal less 8,000) X 0.40 =	
		"From Above" =	
		Electric Vehicle Charger =	
		Plus 8,000 =	
		GRAND TOTAL (Watts) =	
GRAND TOTAL (Watts)		Divided by 240 Volts =	
		Service Load (Amps)	
Electricians or Owners Signature:		Existing Service Size (Amps):	