



# Residential Electrical Load Calculations Ojai Building and Safety

### Lighting Loads

220-12	Living Area sq. ft		X	3	VA =	-	VA	
220-52A	Two small appliance circuits (required)	2	X	1500	VA =	3,000.00	VA	
220.52B	Laundry Circuit(s)		X	1500	VA =	-	VA	
220.52A	Additional Small Appliance Circuit(s)		X	1500	VA =	-	VA	
<b>Lighting Load Sub Total</b>							<b>3,000.00</b>	<b>VA</b>

220.42	First 3,000 VA of lighting loads	3000	X	100%	=	3,000.00	VA	
	Next 117,000 VA (3,001 to 120,000 VA)	0	X	35%	=	-	VA	
	Remainder over 120,000 VA	0	X	25%	=	-	VA	
<b>Lighting Load total Volt-Amperes</b>							<b>3,000.00</b>	<b>VA (A)</b>

220.55	Household Cooking Appliances							
	Number of Appliances (Use table 220-55)				kVA =	-	VA	
<b>COOKING Units Total Volt-Amperes</b>							<b>-</b>	<b>(B)</b>

220.53	Appliance Loads (nameplates)							
	Microwave		X		VA	-	VA	
	Compactor		X		VA	-	VA	
	Dishwasher		X		VA	-	VA	
	Disposal		X		VA	-	VA	
	Central Vacuum		X		VA	-	VA	
					VA	-	VA	
					VA	-	VA	
					VA	-	VA	
<b>Appliance Sub Total</b>							<b>0</b>	<b>VA</b>

Less than 4 units X 100%, 4 or more X 75% - (C)

220.54 Dryer 5000 VA or Nameplate (whichever is greater) - VA (D)

422-10A Water Heater (nameplate) - VA (E)

220.14	Pool/Spa Motor Loads:	Total			}		
		Sum all plus 25% of Largest					-

**Add Totals (A)+(B)+(C)+(D)+(E)+(F) 3,000.00 ÷ 240 12.50 Amps (G)**

220-14C	Largest cooler, A/C or Heating Load		VA		Volts =	-	
			X	125%	=		Amps (H)

**Total Service (G) + (H) Amps**