

RESIDENTIAL ELECTRICAL LOAD CALCULATION

Address:		Date:	
A. Building Habitable Square Fo	otage: x 3 =	Total	A watts
B. General Loads:			
Kitchen Branch Circuits Bathroom Branch Circuit Range/Cooktop/Oven Range/Cooktop Oven Microwave Dishwasher Garbage Disposal Clothes Washer Clothes Dryer Pool/Spa Other Loads Other Loads	(quantity, min. 1) x 1500 (NamePlate Rating) (NPR) (NPR) (NPR) (NPR) (NPR) (quantity) x 1500 (greater of: 5000 or NPR) (NPR) (NPR)		total watts total watts total watts
Add	all total watts in section B	=	Total B watts
C. Heating, Air-Conditioning, and Electric Vehicle Charging:			
Electric Space-Heating Units Electric Water Heater	(NPR) x 1 (NPR) x 1 (NPR) x 1	= = = = =	total watts total watts total watts total watts total watts total watts
Add	all total watts in section C	=	_ Total C watts
Add Total A: + Total B: = Total D watts			
Apply General Load Reduction Factor [CEC 220.82(B)]:			
Total D: – 10,000 watts x 0	0.40 + 10,000 watts =	Total E watts	
Total E: + Total C:	÷ 240 Volts =	Total Amps Serv	vice Load
Existing Service Size: Amps			
Signature – Electrical Contractor/Qualified Person:x			