CITY OF FOSTER CITY

Community Development Department
Building Division
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DWELLING UNIT FEEDER AND SERVICE LOAD CALCULATION ARTICLE 220.82

JOB ADDRESS: _____   **DATE:** _____

PERMIT NUMBER: _____

PG&E APPLICATION #: _____

	General Loads			**VA**
1)	General Lighting Load of Habitable Living Area _____ sq ft x 3 VA per sq ft		=	
2)	Small Appliance Circuits (minimum 2 circuits) _____ each x 1500 VA each		=	
3)	Laundry Circuit _____ each x 1500 VA each		=	
	Appliances & Motor Loads (nameplate rating)			
4)	Garbage Disposal		=	
5)	Dishwasher		=	
6)	Range Hood		=	
7)	Refrigerator		=	
8)	Bathroom Exhaust Fans		=	
9)	Range		=	
10)	Countertop Stove		=	
11)	Wall Oven		=	
12)	Microwave Oven		=	
13)	Clothes Dryer (5000 VA or the Nameplate Rating whichever is larger)		=	
14)	Water Heater		=	
15)	EV Charger		=	
16)	Others		=	
17)	Sub-total General Loads (add item #1 to #16)		=	
18)	First 10k VA @100%		=	
19)	Remainder VA @ 40%		=	
20)	Total General Loads (add item #18 & #19)		=	
21)	**Heating and Air-Conditioning Load (the largest load of the following or motor load)**		=	
	Air-Conditioning and Cooling (100% of nameplate rating)	VA		
	Heat Pump without Supplemental Electric Heating (100% of nameplate rating)	VA		
	Heat Pump with Supplemental Electric heating (100% of nameplate rating plus 65%of remaining)	VA		
	Space Heaters Less than Four Separate units (65% of nameplate rating)	VA		
	Space Heaters Four or more Separate units (40% of nameplate rating)	VA		
	Continuous Electric Thermal Storage (100% of nameplate rating)	VA		
	Total Demand Loads in VA (add items #20 and #21)		=	
	Total Demand Loads in amps (divided by 240)		=	amps
	Required Minimum Service Size		=	amps
	Existing Service Size		=	amps
	Requested Service Size		=	amps