



**City of Newark**  
 Building Inspection Division  
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**EXISTING FEEDER AND SERVICE LOAD CALCULATION ARTICLE 220.83**

JOB ADDRESS: \_\_\_\_\_

DATE: \_\_\_\_\_

PERMIT NUMBER: \_\_\_\_\_

General Loads			VA
1)	General Lighting Load of Habitable Living Area	sqft x 3 VA per sqft	=
2)	Small Appliance Circuits (minimum 2 circuits)	each x 1500 VA each	=
3)	Laundry Circuit	each x 1500 VA each	=
<i>Appliances &amp; Motor Loads (nameplate rating)</i>			
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 8k VA @100%		=
19)	Remainder VA @ 40%		=
20)	Total General Loads (add item #18 & #19)		=
21)	<b>Heating and Air-Conditioning Load (one largest load of the following OR motor load)</b>		
	Air-Conditioning and Cooling	VA	
	Electric Space Heating	VA	
	Heat Pump with Central Electric Furnace	VA	
	Total Demand Loads in VA (add items #20 and #21)		=
	Total Demand Loads in amps (divided by 240)		=
	Required Minimum Service Size		= amps
	Existing Service Size		= amps