GENERAC

Worksheet — NEC 2017, 220 Part IV

Contractor CMC Electric		Email			
Phone 919 281-0989		Fax			
Job Name Dobrio Lane					
Date 10/23/20	Location				
Voltage (Circle)	240V -1Ø				
Fuel		NG	LPV		
Elec. Service	100 Amp	[illegible]	100 Amp	Other	
NET SQUARE FOOTAGE					
GENERAL LOADS	Qty	Rating (Load)	Factor	Loads (VA)	Loads (kW) (VA ÷ 1,000)
General Lighting and General Use Receptacles	3,500	3 VA/ft²	100%		9.4
Branch Circuits (1500 VA/ft²)					
Small Appliance Circuits (20 Amp)	2	1500	100%		3
Laundry Circuits	1	1500	100%		1.5
Fixed Appliances		Full Current Rating			
Well	1		100%		2
Sump Pump	1		100%		.5
Freezer			100%		
Microwave (Not counter-top model)			100%		
Disposal			100%		
Dishwasher	1		100%		1.5
Range	1		100%		5
Wall-Mounted Oven			100%		
Counter-Mounted Cooking Surface			100%		
Water Heater	1		100%		4.5
Clothes Dryer	1		100%		~~4.5~~ 5.6
Garage Door Opener	2		100%		1
Septic Grinder			100%		
Other (list)			100%		
			100%		
			100%		
			100%		
			100%		
			100%		
			100%		
			100%		
			100%		
			100%		
Total General Loads					
HEAT / A-C LOAD				VA	34.4 kW
A-C / Cooling Equipment					
Heat Pump			100%		
Compressor (if not included in A-C)					
Supplemental Electric Heat			100%		
Electric Space Heating			65%		
Less than 4 separately controlled units					
4 or more separately controlled units			65%		
Heat With Continuous Nameplate Load			40%		
Heat Heat / A-C Load (VA) VA kW			100%		
GENERAL LOADS					
10 kW of General Loads 100% kW					
Remaining General Loads (kW) 40% kW		24.4	100%	10 kW	
CALCULATED GENERAL LOAD (kW) kW			40%	9.75 kW	
NEXT HEAT / A-C LOAD 100% kW kW					kW
CALCULATED LOAD (Net General Loads + Heat/A-C Load)					kW
					19.76 kW