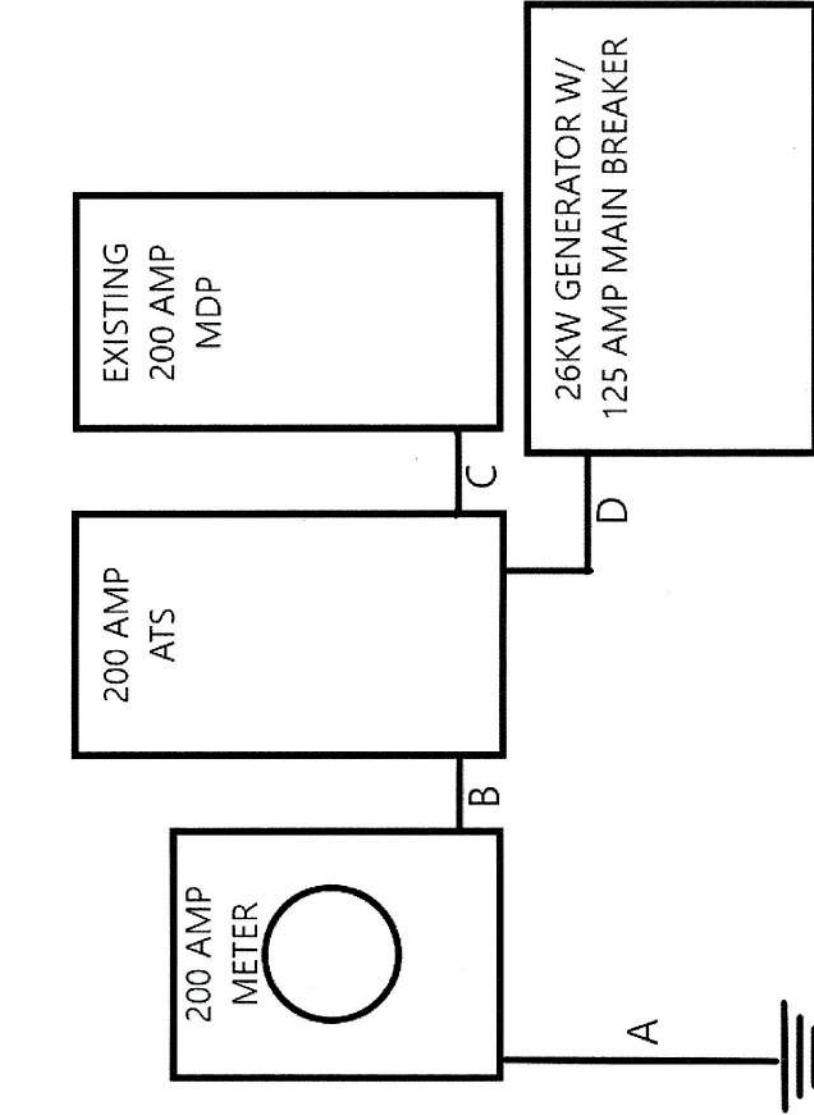


Ellsworth Mcquire
6245 SW County Rd. 242
Lake City, FL 32024



A. Existing grounding electrode

B. 2" PVC W/ three 4/0 AL THWN

C. 2" PVC W/ three 4/0 AL THWN & one #4 AL THWN

D. 1.5" PVC W/ three 1/0 AL XHWN, one #4 AL XHWN, & six #18 CU TFFN



TRADEMARK ELECTRIC INC.
3621 NW 27th Avenue
OCALA, FL, 34475
+1 (352) 629-8617

Sizing Report

Sizing Information for:
ELLSWORTH MCGUIRE
6245 SW COUNTY ROAD 242
LAKE CITY, FL, 32024

Rated Nominal Voltage 120 / 240 Single Phase
Generator Fuel Choice Liquid Propane
Sizing Method (NEC 220) Part IV

General Lighting & Receptacles		Load (kW)
Square Footage Being Covered (ft^2)	3000	9.0
Small Appliance Circuits (20 amps)		
Kitchen Circuits	2.0	3.0
Laundry Circuits	1.0	1.5

Fixed-In-Place Appliances & Motors	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
100 amp shed subpanel	X	19.2	80.0	X	19.2
Dishwasher		1.5	12.5		1.5
Dryer		5.5	22.92	X	5.5
Freezer		0.8	6.67		0.8
Microwave		1.25	10.42		1.25
Mini Split A/C		0.96	8.0		0.96
Mini Split A/C		0.96	8.0		0.96
Oven		5.0	20.83	X	5.0
Refrigerator		0.8	6.67		0.8
Water Heater		5.0	20.83	X	5.0
Well Pump		3.0	12.5	X	3.0

Air Conditioning & Cooling	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
4.0 Ton Unit		4.0	16.67	X	4.0

Heating & Heat Pumps	Managed Loads	Estimated (kW)	Nameplate (amps)	240 V	Load (kW)
Heat Pump (4 Ton)		4.0	16.67	X	4.0

Transient Requirement	Estimated (LRA)	Actual (LRA)	Utilized (LRA)
Largest Motor's Starting Amps (LRA)	115.0	0.0	115.0

Summary NEC Load	Load (kW)	NEC Required
General Lighting & Receptacles	13.5	
Fixed-in-Place Appliances & Motors	24.77	
Sum of all General Loads	38.27	21.308
Cooling	4.0	4.0
Heating (w/demand factors)	4.0	4.00
Larger of Heating & Cooling	4.0	4.00

Sizing based on requirements of NEC Article 220: Part IV	25.308
Elevation	0
Minimum size generator for motor starting requirements	18

Ellsworth Mcquire
6245 SW County Rd 242
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157 feet
generator to
Right property
line.

556 feet
generator to
Front property
line.

