











LEGEND:

	OBSTRUCTION
	PIPE VENT
	MODULES
	CONDUIT
	SETBACK
	AC DISCONNECT
	MSP
	JUNCTION BOX
	INVERTER
	PRODUCTION METER

PV SYSTEM
7.400 kW-DC
5.000 kW-AC

MODIFIED SETBACKS PROPOSED AT RIDGE:
TOTAL ARRAY AREA = 392.17 SF
TOTAL ROOF AREA = 1721 SF
TOTAL ARRAY AREA AS A % TO ROOF AREA = 22.79%
22.79% < 33%

BOS WILL BE AS CLOSE AS POSSIBLE TO MSP WITHIN 10'

THIS SYSTEM DESIGNED WITH:
WIND SPEED: 119
WIND EXPOSURE: C

TOTAL ROOF AREA: 1721 SQ FT
ARRAY COVERAGE: 22.79%
SYSTEM DISTRIBUTED WEIGHT: 2.28 LBS
S-5I: PROTEA POINT-LOAD: 9.24 LBS



This item has been electronically signed and sealed by: Methode Maniraguha using a Digital Signature and Date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Digitally signed by
Methode Maniraguha
Date: 2022.09.15
18:27:44 -07'00'

ROOF AREA: 1721 SQ FT

CLIENT:
JOSHUA COOK
891 SW POPLAR LN, LAKE CITY, FL 32025
AHJ: COLUMBIA COUNTY (FL)
UTILITY: FPL - FLORIDA POWER & LIGHT
PHONE: 3869651991
EMAIL: JW.COOK@OUTLOOK.COM

SYSTEM:
SYSTEM SIZE (DC): 20 X 370 = 7,400 kW
SYSTEM SIZE (AC): 5,000 kW @ 240V
MODULES: 20 X FREEDOM FOREVER:
FF-MP-BBB-370
OPTIMIZERS: 20 X SOLAREDGE S440
INVERTER: SOLAREDGE SE5000H-US (S11)

NO.	REVISIONS		DATE
	REVISED BY		
-	-	-	-
-	-	-	-
-	-	-	-



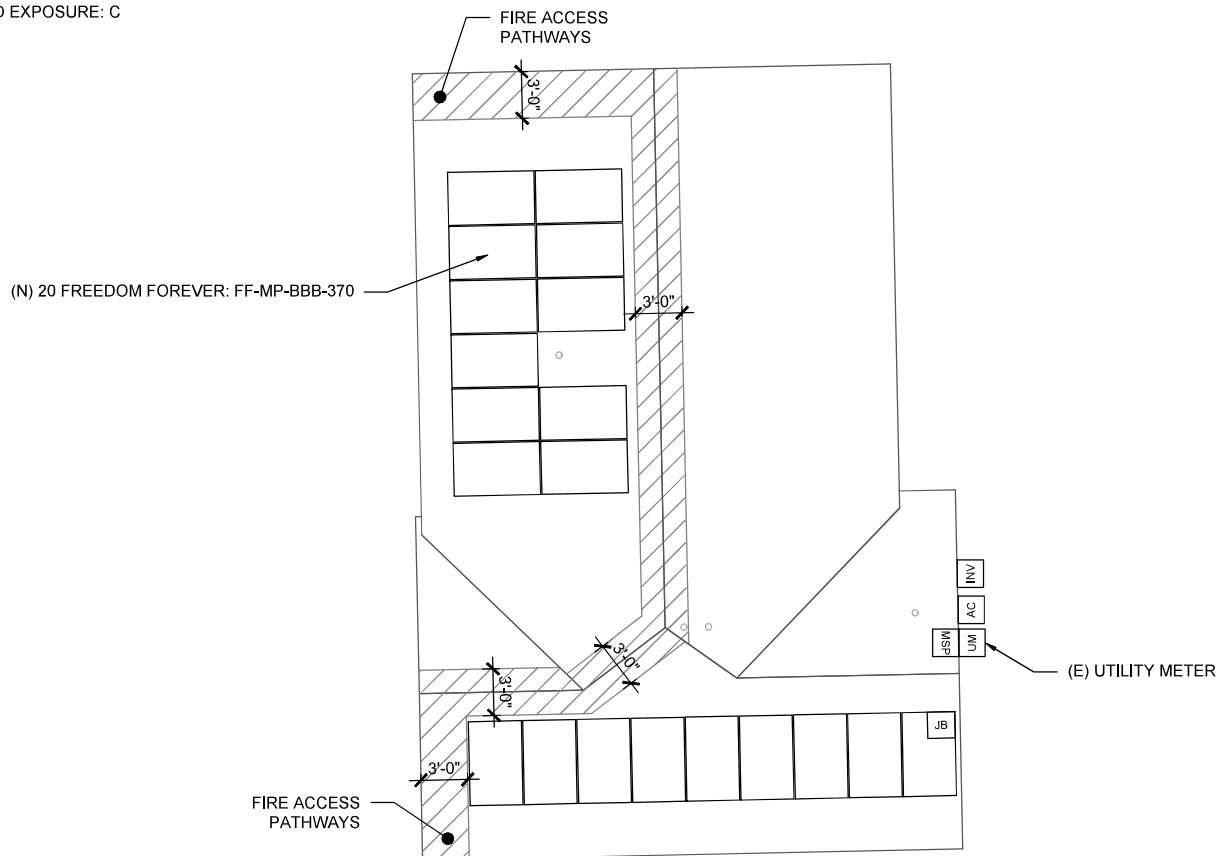
FREEDOM FOREVER LLC
2619 CONSULATE DR SUITE 800, ORLANDO, FL 32819
Tel: (800) 385-1075
GREG ALBRIGHT

Greg Albright

CONTRACTOR LICENSE:
CERTIFIED ELECTRICAL CONTRACTOR
EC13008056

ROOF PLAN WITH MODULES LAYOUT

JOB NO:	DATE:	DESIGNED BY:	SHEET:
265401	9/15/2022	A.M.	PV-2A



ROOF PLAN
SCALE: 1/8" = 1'-0"

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NOTES:

- EMT CONDUIT ATTACHED TO THE ROOF USING CONDUIT MOUNTS
- ATTACHED CLAMPS AT 25% FROM THE EDGE AND 50% FROM THE CENTER OF THE MODULES
- JUNCTION BOX IS MOUNTED TO THE RAIL.