

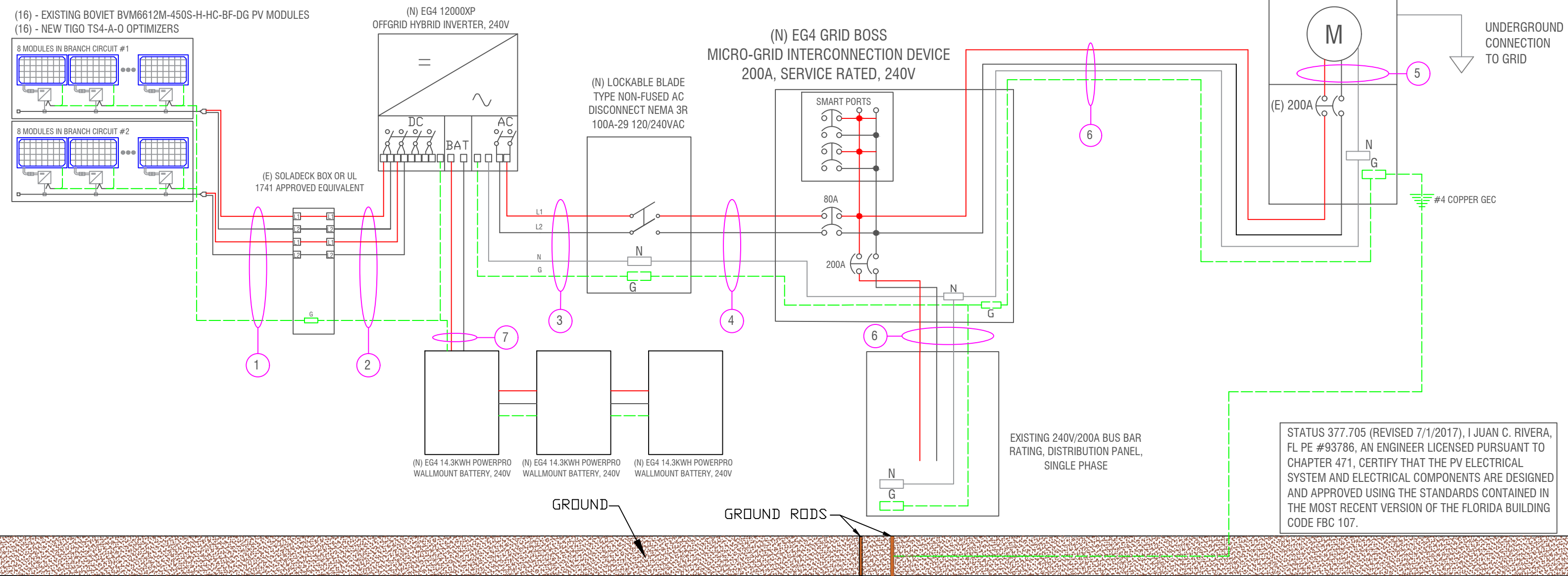
WIRE TAG #	WIRE FROM --	CONDUIT (TBD ON SITE)	WIRE QTY	WIRE GAUGE	WIRE RATING	GRND SIZE	GRND WIRE TYPE
1	ARRAY TO JUNCTION BOX	EMT TYP	4	#10	PV WIRE	#8	PV WIRE
2	JUNCTION BOX TO INVERTER	EMT TYP	4	#10	PV WIRE	#8	PV WIRE
3	INVERTER TO AC DISCONNECT	MIN 1" CONDUIT	3	#4	THHN	#8	THWN-2
4	AC DISCONNECT TO GRID BOSS	MIN 1" CONDUIT	3	#4	THHN	#8	THWN-2
5	SERVICE WIRES	N/A	3	#4/0 AL	THHN	N/A	N/A
6	FEEDER WIRES	MIN 2" CONDUIT	3	#4/0 AL	THHN	#6	THWN-2
7	BATTERY TO INVERTER	MIN 1.5" CONDUIT	2	#2/0	THHN	#6	THWN-2

SYSTEM DATA	
# STRINGS:	2
LARGEST STRING:	8
TOTAL MODULES:	16
TOTAL INVERTERS:	1
SYSTEM RATINGS:	7,200W DC STC
	15,000W AC STC
TOTAL AC OUPUT:	62.5A

INVERTER OUTPUT	INVERTER QTY	NOC	NECS	AMPS	OCF	WIRE GAUGE
TOTAL OUTPUT	1	x	62.5	x	1.25	= 78.13A
					80A	#4

METAL CONDUIT IS REQUIRED FOR DC CONDUCTORS THAT ARE RUN INTERIOR OF BUILDING

GROUNDING CONDUCTOR TO BE PROTECTED #8 AWG OR TO BE UNPROTECTED #6 AWG 250.64(B) 250.66 & 250.120(C)



ENLIGHT ENERGY
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REVISIONS		
DESCRIPTION	DATE	REV

PROJECT NAME: **TRENT REICHARDT**

PROJECT ADDRESS: **159 SW SYDNEY NICOLE CT, LAKE CITY, FL 32024**

SHEET NAME: **3-LINE DIAGRAM**

SHEET NUMBER: **E-01**

SHEET SIZE: **ANSI B 11"x17"**