

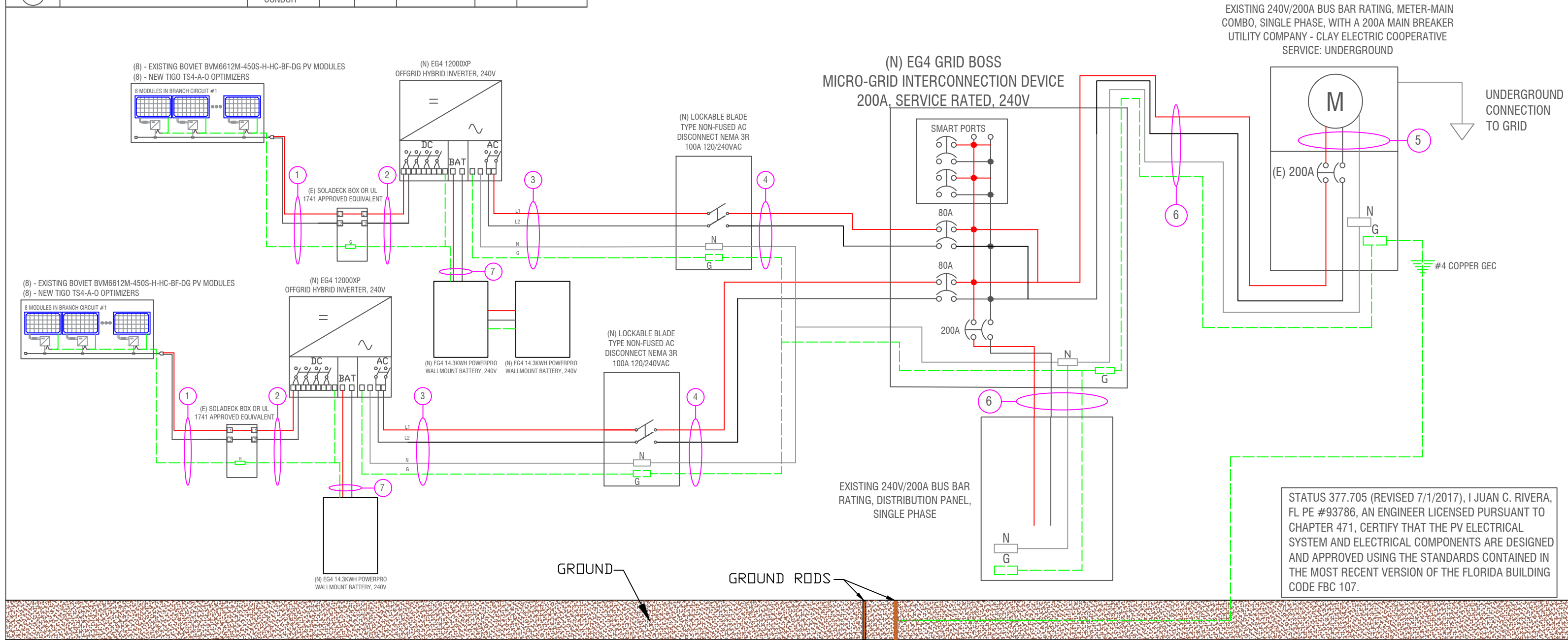
| WIRE TAG # | WIRE FROM -- | CONDUIT (TBD ON SITE) | WIRE QTY | WIRE GAUGE | WIRE RATING | GRND SIZE | GRND WIRE TYPE |
|------------|--------------------------|-----------------------|----------|------------|-------------|-----------|----------------|
| 1 | ARRAY TO JUNCTION BOX | EMT TYP | 2 | #10 | PV WIRE | #8 | PV WIRE |
| 2 | JUNCTION BOX TO INVERTER | EMT TYP | 2 | #10 | PV WIRE | #8 | PV WIRE |
| 3 | INVERTER TO ACD | MIN 1" CONDUIT | 3 | #4 | THHN | #8 | THWN-2 |
| 4 | ACD 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: | 2 |
| SYSTEM RATINGS: | 7,200W DC STC |
| | 30,000W AC STC |
| TOTAL AC OUPUT: | 125A |

| 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
978 SW 2ND AVE
GAINESVILLE, FL 32607
800-798-0315
LIC#: EC130121251

| 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"**