

PHOTOVOLTAIC SYSTEM SPECIFICATIONS:

SYSTEM SIZE: 7,200W DC
15,000W AC
MODULE TYPE & AMOUNT: (16) BOVIET BVM6612M-450S-H-HC-BF-DG
MODULE DIMENSIONS: (L/W/H) 84.06"/41.19"/1.38"
INVERTER: (1) EG4 12000XP OFFGRID INVERTER
OPTIMIZER: (16) TIGO TS4-A-0
INTERCONNECTION METHOD: FULL HOME BACKUP
AHJ: COUNTY OF COLUMBIA

GOVERNING CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES

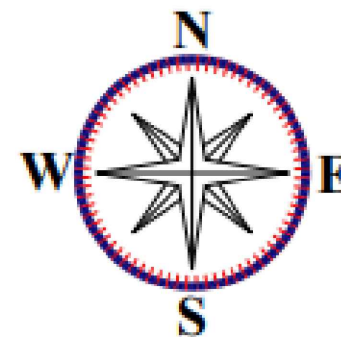
- a. 2020 NATIONAL ELECTRICAL CODE
- b. 2023 FL BUILDING CODE - 8TH EDITION
- c. 2023 FL RESIDENTIAL CODE - 8TH EDITION
- d. 2021 INTERNATIONAL RESIDENTIAL CODE
- e. 2023 FL PLUMBING CODE - 8TH EDITION
- f. 2023 FL MECHANICAL CODE - 8TH EDITION
- g. 2023 FL FIRE PREVENTION CODE - 8TH EDITION
- h. COUNTY OF COLUMBIA CODE
- i. ANY OTHER LOCAL AMENDMENTS

GENERAL NOTES:

1. APPLICABLE CODE: 2023 FLORIDA BUILDING CODE (8TH EDITION) & ASCE 7-22 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES.
2. LAG SCREW DIAMETER AND EMBEDMENT LENGTHS ARE DESIGNED PER 2023 FLORIDA BUILDING CODE (8TH EDITION) REQUIREMENTS. ALL BOLT CAPACITIES ARE BASED ON A SOUTHERN YELLOW PINE (SYP) RESIDENTIAL WOOD ROOF RAFTERS AS EMBEDMENT MATERIAL.
3. ROOF SEALANTS SHALL CONFORM TO ASTM C920 AND ASTM 6511, AND IS THE RESPONSIBILITY OF THE CONTRACTOR TO PILOT DRILL AND FILL ALL HOLES.
4. ALL DISSIMILAR MATERIALS SHALL BE SEPARATED WITH NEOPRENE WASHERS, PADS, ETC OR SIMILAR.
5. ALL ALUMINIUM COMPONENTS SHALL BE ANODIZED ALUMINIUM 6105-T5 UNLESS OTHERWISE NOTED.
6. ALL LAG SCREW SHALL BE ASTM A276 STAINLESS STEEL UNLESS OTHERWISE NOTED.
7. ALL SOLAR RAILING AND MODULES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.
8. CONTRACTOR SHALL ENSURE ALL ROOF PENETRATIONS TO BE INSTALLED AND SEALED PER 2023 FLORIDA BUILDING CODE (8TH EDITION) OR LOCAL GOVERNING CODE.



1 PLOT PLAN
A-00



SHEET INDEX:

- A-00: COVER SHEET
- A-01: SITE PLAN
- E-01: 3-LINE DIAGRAM
- E-02: ELECTRICAL NOTES
- E-03: WARNING LABELS

BILL OF MATERIALS

Group	QUANTITY	DESCRIPTION
ELECTRICAL	16	TIGO TS4-A-0 OPTIMIZER
ELECTRICAL	1	EG4 12000XP OFF-GRID INVERTER
ELECTRICAL	1	EG4 GRIDBOSS
ELECTRICAL	3	EG4 POWERPRO BATTERY
ELECTRICAL	1	200A MAIN BREAKER
ELECTRICAL	1	80A BREAKER
ELECTRICAL	1	100A NON FUSED DISCONNECT

PHOTOVOLTAIC ROOF MOUNT SYSTEM
16 MODULES-ROOF MOUNTED - 7,200W DC, 15,000W AC

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: COVER SHEET

SHEET NUMBER: A-00

SHEET SIZE: ANSI B 11"x17"