

PHOTOVOLTAIC GROUND MOUNT SYSTEM

35 MODULES - SYSTEM SIZE STC (13.650 kW DC / 10.150 kW AC)
 1763 WIRE ROAD, BUNNLEVEL, NC 28323, USA (35.2960167, -78.8078452)

SYSTEM SUMMARY STC (13.650 kW DC / 10.150 kW AC)

- STC DC: (85) 390W = 13.650 kW
 - STC AC: (85) 290W = 10.150 kW
 - 1 (50) ENPHASE (200V) MICROINVERTERS
 - 2x BRANCHES OF 13 CONNECTED IN PARALLEL
 - 1x BRANCH OF 11 CONNECTED IN PARALLEL
- GOVERNING CODES**
- 2018 NORTH CAROLINA STATE BUILDING CODE: FIRE PREVENTION CODE
 - 2018 NORTH CAROLINA STATE BUILDING CODE
 - 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE
 - 2017 NFPA 70 - NATIONAL ELECTRICAL CODE

GENERAL NOTES

- ALL PANELS, SWITCHES, ETC. SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS IN COMPLIANCE WITH UL REQUIREMENTS TO ACCOMMODATE CONDUCTORS SHOWN.
- ALL WIRING SHALL BE INTERCONNECTED UNTIL APPROVAL FROM THE LOCAL JURISDICTION AND UTILITY IS OBTAINED.
- ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT INCLUDING THOSE THAT ARE EXPOSED TO OUTSIDE ENVIRONMENT SHALL BE WEATHERPROOF AND SHALL BE LISTED BY UL FOR THE TYPE OF EQUIPMENT AND UL LABEL SHALL APPEAR ON ALL ELECTRICAL EQUIPMENT.
- WIRING METHOD SHALL BE EMT ABOVE GROUND MOUNTED IN CONCEALED SPACES (UNLESS APPROVED OTHERWISE) AND SCHEDULE-40 PVC FOR BELOW GROUND INSTALLATIONS UNLESS NOTED OTHERWISE.
- ALL WIRING SHALL BE SECURED TO THE STRUCTURE OR FRAME OF THE BUILDING AND SHALL BE PROTECTED FROM DAMAGE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSTALL A SUPPLEMENTAL GROUNDING ELECTRODE CONDUCTOR IF NECESSARY.

SAFETY PLAN NOTES

- INSTALLERS SHALL DRAW IN DESIGNATED SAFETY AREA AROUND HOME.
- INSTALLERS SHALL MAINTAIN A CLEARANCE OF 10 FEET AROUND NEAREST URGENT CARE FACILITY RELATIVE TO THE SITE BEFORE STARTING WORK.

LOCATION OF NEAREST URGENT CARE FACILITY

- NAME:
- ADDRESS:
- PHONE NUMBER:

LEGEND

	PV MODULE		DIMENSIONS
	PROPERTY LINE		TRENCH
	TRUSS		AC DISCONNECT UNFUSED (N/A)
	MAIN SERVICE PANEL (EXISTING, 200A)		AC DISCONNECT FUSED (NEW)
	UTILITY METER (EXISTING)		JUNCTION BOX (NEW)
	PRODUCTION METER (N/A)		AUTO TRANSFORMER (N/A)
	BATTERY (N/A)		SUBPANEL (N/A)
	(0) INVERTER (N/A)		DC DISCONNECT (N/A)
	LOAD CENTER (COMBINER PANEL) (NEW)		DC COMBINER (N/A)
	SOLAR EDGE METER (N/A)		EXISTING EQUIPMENT (N/A)
	BACKUP LOAD PANEL (N/A)		

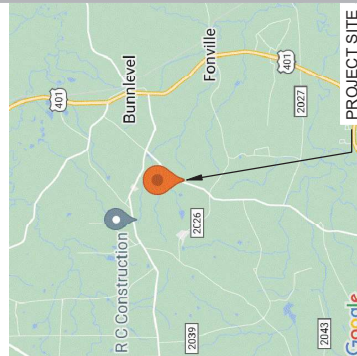
SHEET INDEX

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PV-5	WIRING CALCULATIONS
PV-6	PLACARDS
PV-7+	EQUIPMENT SPECIFICATION

AHJ: HARNETT COUNTY
 UTILITY: DUKE ENERGY CAROLINAS, LLC



HOUSE PHOTO
 SCALE: NTS

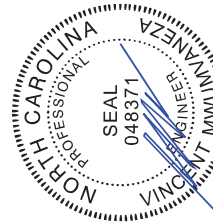


VICINITY MAP
 SCALE: NTS



SITE PLAN & SAFETY PLAN

SCALE: 1" = 80'



Signed: 1/31/2023



CONTRACTOR
 TOP TIER SOLAR SOLUTIONS
 ADDRESS: 1530 CENTER PARK DR.
 CHARLOTTE, NC 28217
 PHONE: 858-987-1213
 LICENSE # 8150, C.E. G. 103983
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REVISIONS

DESCRIPTION	DATE	REV

SIGNATURE & SEAL

HOMEOWNER INFO

MAYRENE HERTZLER
 1763 WIRE ROAD, BUNNLEVEL,
 NC 28323, USA
 APN: 19-0866--0130--08
 EMAIL:
 PHONE:
 SHEET NAME

COVER PAGE

SHEET SIZE
 ANSI B
 11" X 17"

SHEET NUMBER
 PV-1