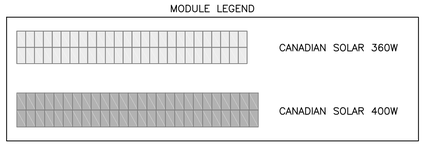
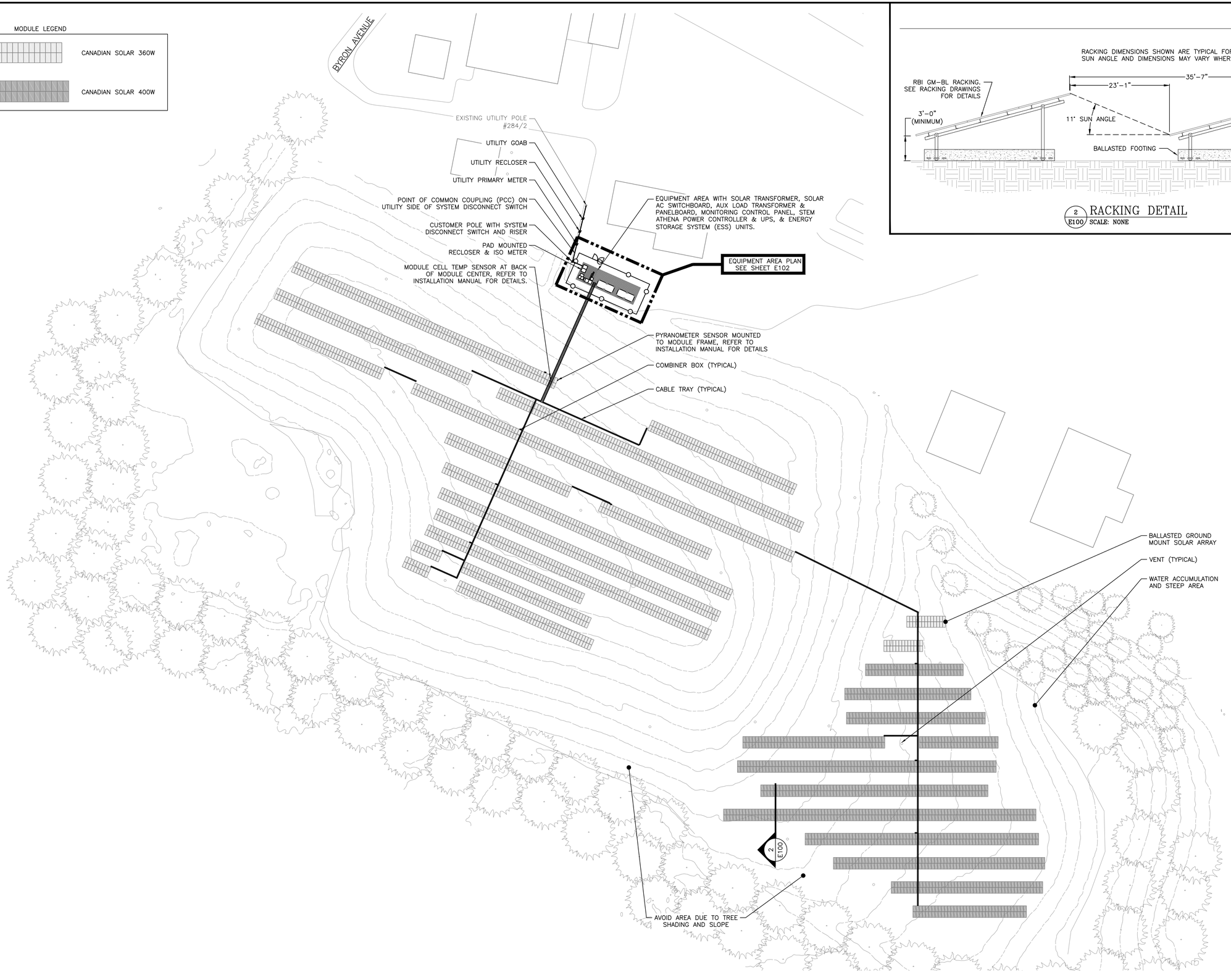
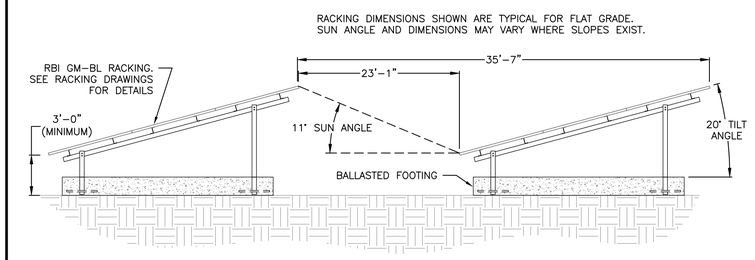




1 E100 AC ELECTRICAL PLAN
SCALE: 1" = 50'-0"



2 E100 RACKING DETAIL
SCALE: NONE

DATE	REVISION DESCRIPTION	PM	ENG	CHK
04/13/2020	PERMIT SET – REV 1	BX	AD	RI
04/03/2020	INTERCONNECTION DOCUMENTS	BX	SK	RI
03/17/2020	PERMIT SET	BX	AD	RI

PUREPOWER ENGINEERING
5 MARINE VIEW PLAZA HOBOKEN, NJ
WWW.PUREPOWER.COM
RICHARD A. IVINS
MA LICENSE No. 49915

ENGINEER OF RECORD
RICHARD A. IVINS
MA LICENSE No. 49915
COMMONWEALTH OF MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER

DEVELOPER
GREENSKIES
180 JOHNSON STREET,
MIDDLETOWN, CT 06457
WWW.GREENSKIES.COM
Greenskies a Clean Focus company

PAGE SIZE 36" x 24"
PROJECT # PPE 19.0927

DC SYSTEM SIZE: 1326.000 kW
AC SYSTEM SIZE: 1000.000 kW
MODULE: CANADIAN 360W & 400W
MODULE QUANTITY: 3536
STRING QUANTITY: 136
ORIENTATION: 20° TLT, 24°& 0° AZMTH

PROJECT
1326.000 KW SOLAR + STORAGE AT
OAK BLUFFS LANDFILL
16 PENNSYLVANIA AVENUE
OAK BLUFFS, MA 02557

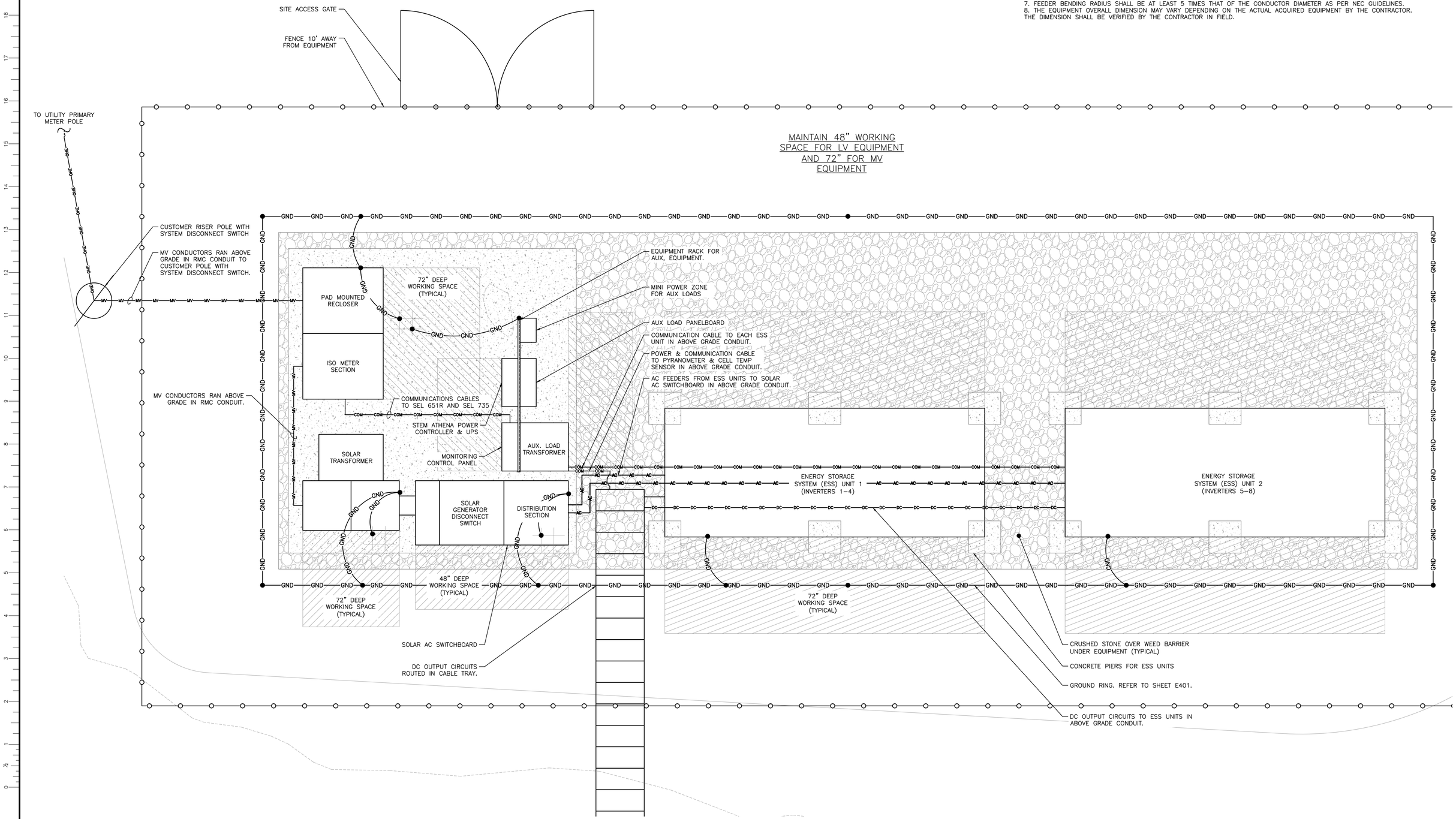
DRAWING TITLE
AC ELECTRICAL PLAN

DRAWING #
E100

PLOT DATE: 4/13/2020 4:29 PM

RULER IN INCHES:

NOTES:
1. ELECTRICAL EQUIPMENTS LOCATED OUTSIDE MUST NOT HAVE CONDUITS PENETRATING ON TOP OF THE EQUIPMENT.
2. CONDUITS, CABLE TRAYS AND TROUGHS SHALL NOT PROTRUDE MORE THAN 6" INTO WORKING SPACE OF EQUIPMENT.
3. MOUNT EQUIPMENT AS PER INSTALLATION MANUAL INSTRUCTION.
4. ELECTRICAL EQUIPMENT MOUNTED WITH UNISTRUT CHANNEL. USE FASTENER SPECIFICALLY INTENDED FOR THE TYPE & CONSTRUCTION. MOUNT EQUIPMENT AS PER INSTALLATION MANUAL.
5. TRANSITION TO MAX. 24" OF LFMC FOR FINAL CONNECTION TO INVERTER (TYPICAL AC, DC & COMMUNICATION).
6. TRENCHED CONDUITS SEPARATED BY CONDUIT SPACERS CARLON OR EQUIVALENT.
7. FEEDER BENDING RADIUS SHALL BE AT LEAST 5 TIMES THAT OF THE CONDUCTOR DIAMETER AS PER NEC GUIDELINES.
8. THE EQUIPMENT OVERALL DIMENSION MAY VARY DEPENDING ON THE ACTUAL ACQUIRED EQUIPMENT BY THE CONTRACTOR. THE DIMENSION SHALL BE VERIFIED BY THE CONTRACTOR IN FIELD.



2 EQUIPMENT AREA PLAN
E102 SCALE: 3/8" = 1'-0"

DATE	REVISION DESCRIPTION	PM	ENG	CHK
04/13/2020	PERMIT SET – REV 1	BX	AD	RI
04/02/2020	INTERCONNECTION DOCUMENTS	BX	SK	RI
03/17/2020	PERMIT SET	BX	AD	RI

PUREPOWER ENGINEERING
5 MARINE VIEW PLAZA, HOBOKEN, NJ
WWW.PUREPOWER.COM
RICHARD A. WINS
MA LICENSE No. 49915

GREENSKIES
180 JOHNSON STREET,
MIDDLETOWN, CT 06457
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DEVELOPER
Greenskies
a Clean Focus company

PAGE SIZE 36" x 24"
PROJECT # PPE 19.0927

DC SYSTEM SIZE: 1326.000 kW
AC SYSTEM SIZE: 1000.000 kW
MODULE: CANADIAN 360W & 400W
MODULE QUANTITY: 3536
STRING QUANTITY: 136
ORIENTATION: 20° TLT, 24'& 0' AZMTH

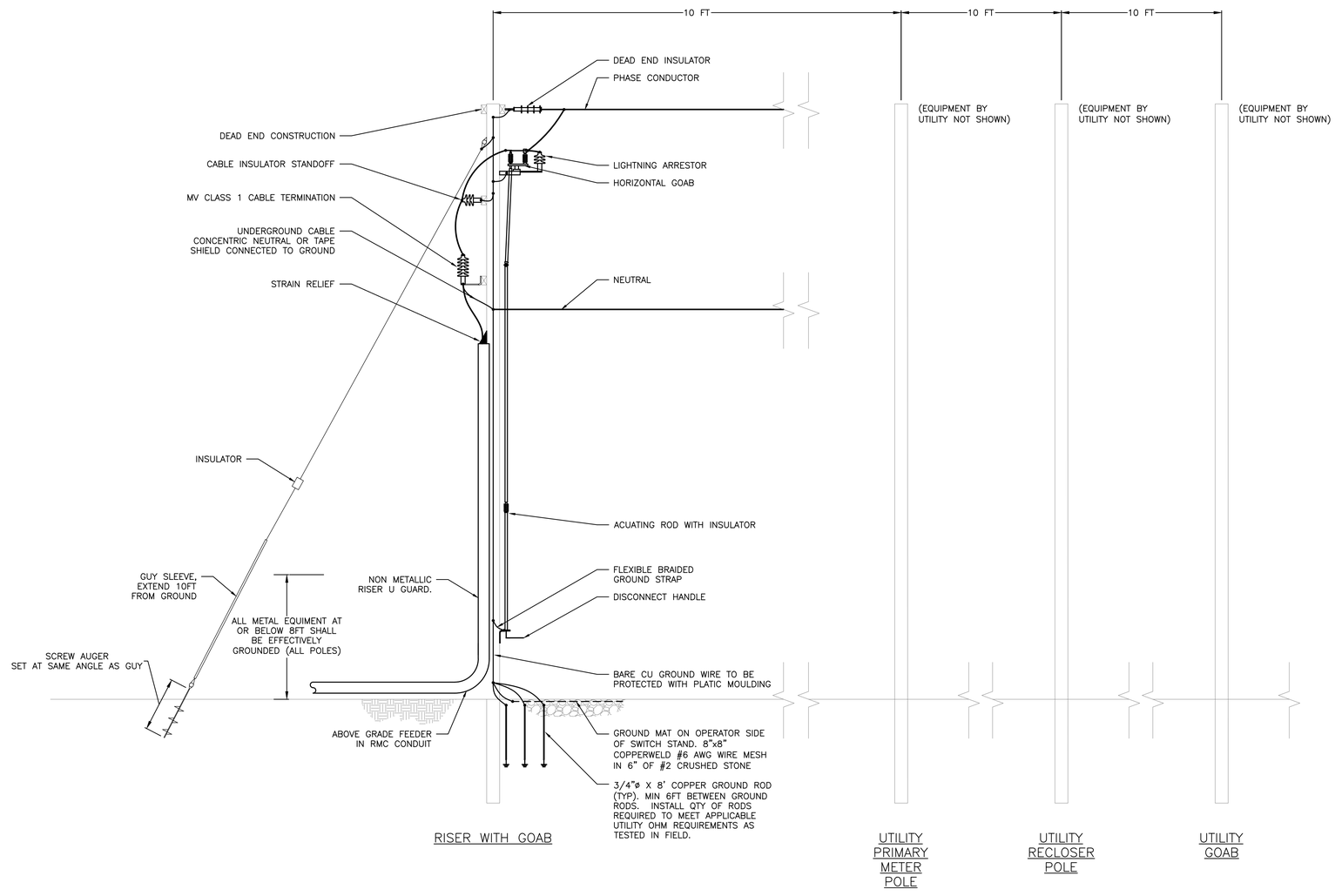
PROJECT
1326.000 KW SOLAR + STORAGE AT
OAK BLUFFS LANDFILL
16 PENNSYLVANIA AVENUE
OAK BLUFFS, MA 02557

DRAWING TITLE
EQUIPMENT AREA PLAN

DRAWING #
E102

PLOT DATE: 4/13/2020 4:29 PM

RULER IN INCHES:



POLE LINE SPECIFICATIONS	
POLE CLASS	CLASS 4
POLE HEIGHT	45FT WITH 6.5FT BELOW GRADE
DISTANCE BETWEEN OPEN MV CABLES IN HORIZONTAL SPAN	15 IN
DISTANCE FROM POLE TOP TO NEUTRAL CABLE	13 FT
DISTANCE FROM NEUTRAL CABLE TO GROUND LEVEL	25 FT
MIN CLEARANCE BETWEEN OPEN MV CABLES AND GROUND	8.5 IN
POLE GROUND CABLE SIZE	4 AWG
INSULATOR CLASS	15 KV

1 / E101 POLE LINE DETAILS
SCALE: NONE

DRAWING TITLE
POLE LINE DETAILS

DRAWING #
E101

PROJECT
1326.000 KW SOLAR + STORAGE AT
OAK BLUFFS LANDFILL
16 PENNSYLVANIA AVENUE
OAK BLUFFS, MA 02557

DC SYSTEM SIZE: 1326.000 kW
AC SYSTEM SIZE: 1000.000 kW
MODULE: CANADIAN 360W & 400W
MODULE QUANTITY: 3536
STRING QUANTITY: 136
ORIENTATION: 20° TLT, 24°& 0° AZMTH

PAGE SIZE
36" x 24"

PROJECT #
PPE 19.0927

DEVELOPER
Greenskies
a Clean Focus company
GREENSKIES
180 JOHNSON STREET,
MIDDLETOWN, CT 06457
WWW.GREENSKIES.COM

ENGINEER
PUREPOWER ENGINEERING
5 MARINE VIEW PLAZA HOBOKEN, NJ
WWW.PUREPOWER.COM
RICHARD A. IVINS
MA LICENSE No. 49915

DATE	REVISION DESCRIPTION	PM	ENG	CHK
04/13/2020	PERMIT SET – REV 1	BX	AD	RI
03/17/2020	PERMIT SET	BX	AD	RI

PLOT DATE: 4/13/2020 4:29 PM

RULER IN INCHES: