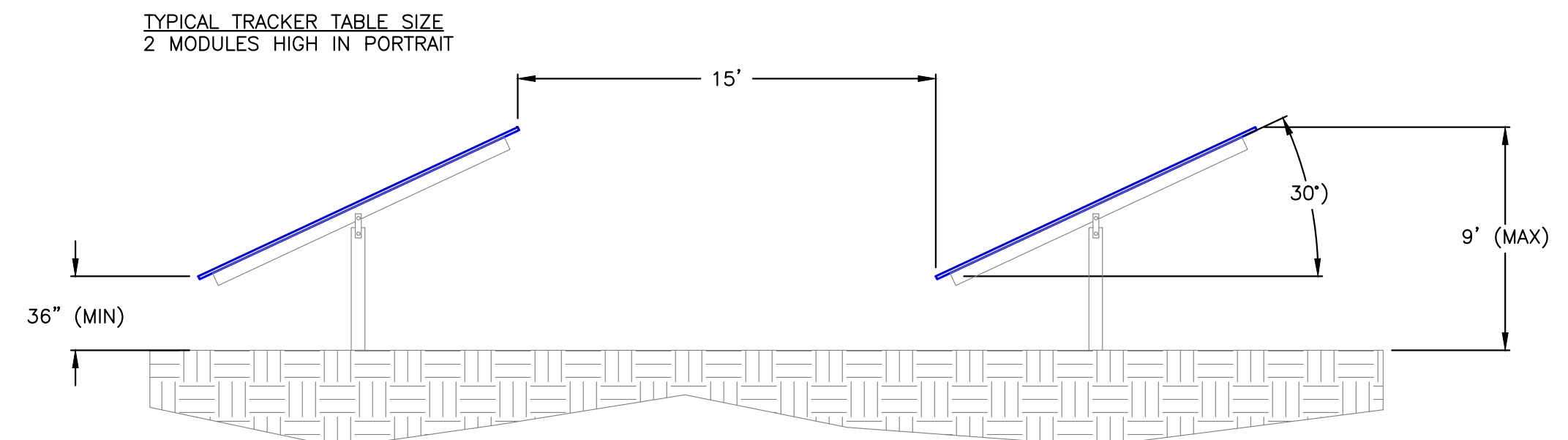


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RULER IN INCHES: 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
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2
G200
TYPICAL GROUND MOUNT RACKING DETAIL
SCALE: NTS



1
G200
OVERALL ARRAY PLAN
SCALE: 1" = 100'-0"
N

DRAWING TITLE
OVERALL ARRAY PLAN

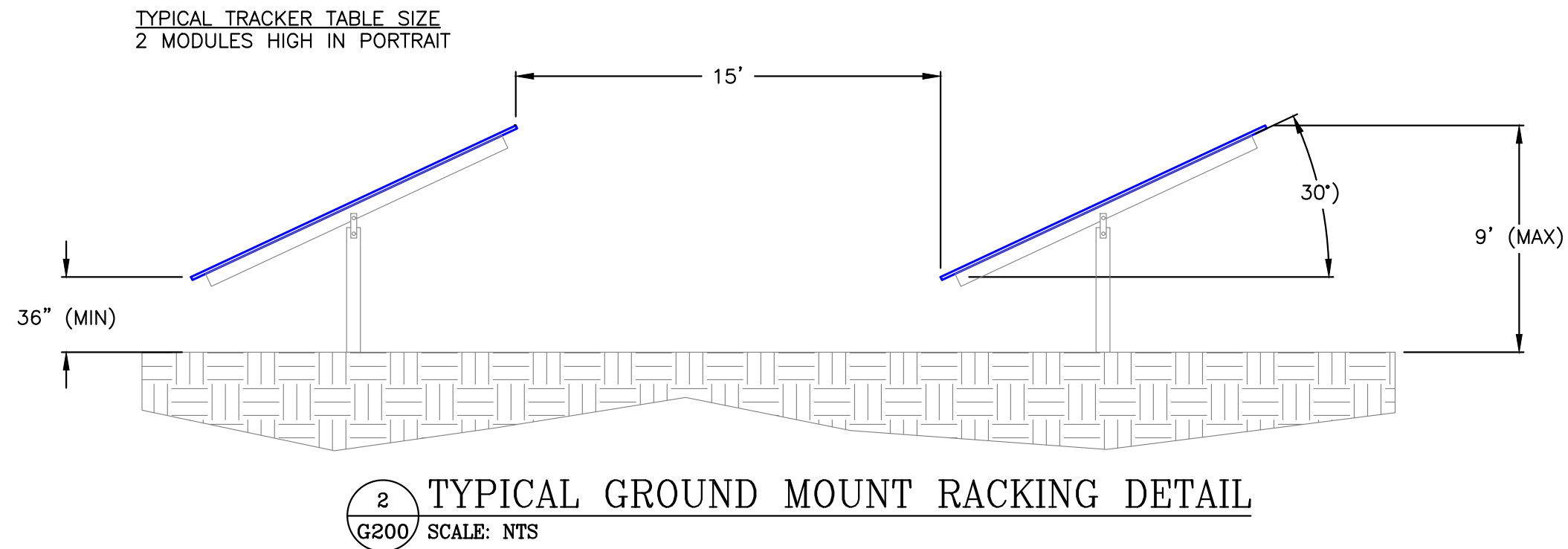
PROJECT 657.28KW SOLAR GROUND MOUNT SYSTEM AT GRE ST 1 35 TAUGWONK SPUR ROAD, STONINGTON, CT 06378	DC SYSTEM SIZE: 657.28 kW AC SYSTEM SIZE: 500.00 kW MODULE: CS3W-39SPB-AG 395W MODULE QUANTITY: 1664 ARRAY QUANTITY: 55 ORIENTATION: 35°TILT & 180°AZIMUTH	PAGE SIZE 36" x 24" PROJECT # PPE 19.682.3	DEVELOPER Greenskies a Clean Focus company	GREENSKIES 180 JOHNSON STREET, MIDDLETOWN, CT 06457 WWW.GREENSKIES.COM		PUREPOWER ELECTRIC 5 MARINE VIEW PLAZA - HOBOKEN, NJ WWW.PUREPOWER.COM LICENSED A CONTRACTOR CT LICENSE NO. 0362682	DATE	REVISION DESCRIPTION	PM	ENG	CHK
							06/07/2019	INTERCONNECTION DOCUMENTS	BA	SK	SK



DRAWING TITLE

ONE LINE DIAGRAM

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PLOT DATE: 6/7/2019 11:10 AM



1 OVERALL ARRAY PLAN
G200 SCALE: 1" = 100'-0"



DRAWING TITLE
OVERALL ARRAY PLAN

PROJECT 1314.56KW SOLAR GROUND MOUNT SYSTEM AT GRE ST 2 35 TAUGWONK SPUR ROAD, STONINGTON, CT 06378	DC SYSTEM SIZE: 1314.56 kW AC SYSTEM SIZE: 1000.00 kW MODULE: CS3W-39SPB-AG 395W MODULE QUANTITY: 3328 WIRING QUANTITY: 125 OBSERVATION: 35° TILT & 180° AZIMUTH	PAGE SIZE 36" x 24" PROJECT # PPE 19.682.3	DEVELOPER Greenskies a Clean Focus company	GREENSKIES 180 JOHNSON STREET, MIDDLETOWN, CT 06457 WWW.GREENSKIES.COM		PUREPOWER ELECTRIC INC. 5 MARINE VIEW PLAZA - HOBOKEN, NJ WWW.PUREPOWER.COM LICENSED A PROFESSIONAL ELECTRICAL ENGINEER CT LICENSE NO. 00392862	DATE	REVISION DESCRIPTION	PM	ENG	CHK
							06/07/2019	INTERCONNECTION DOCUMENTS	BA	SK	SK

PLT DATE: 6/7/2019 11:10 AM

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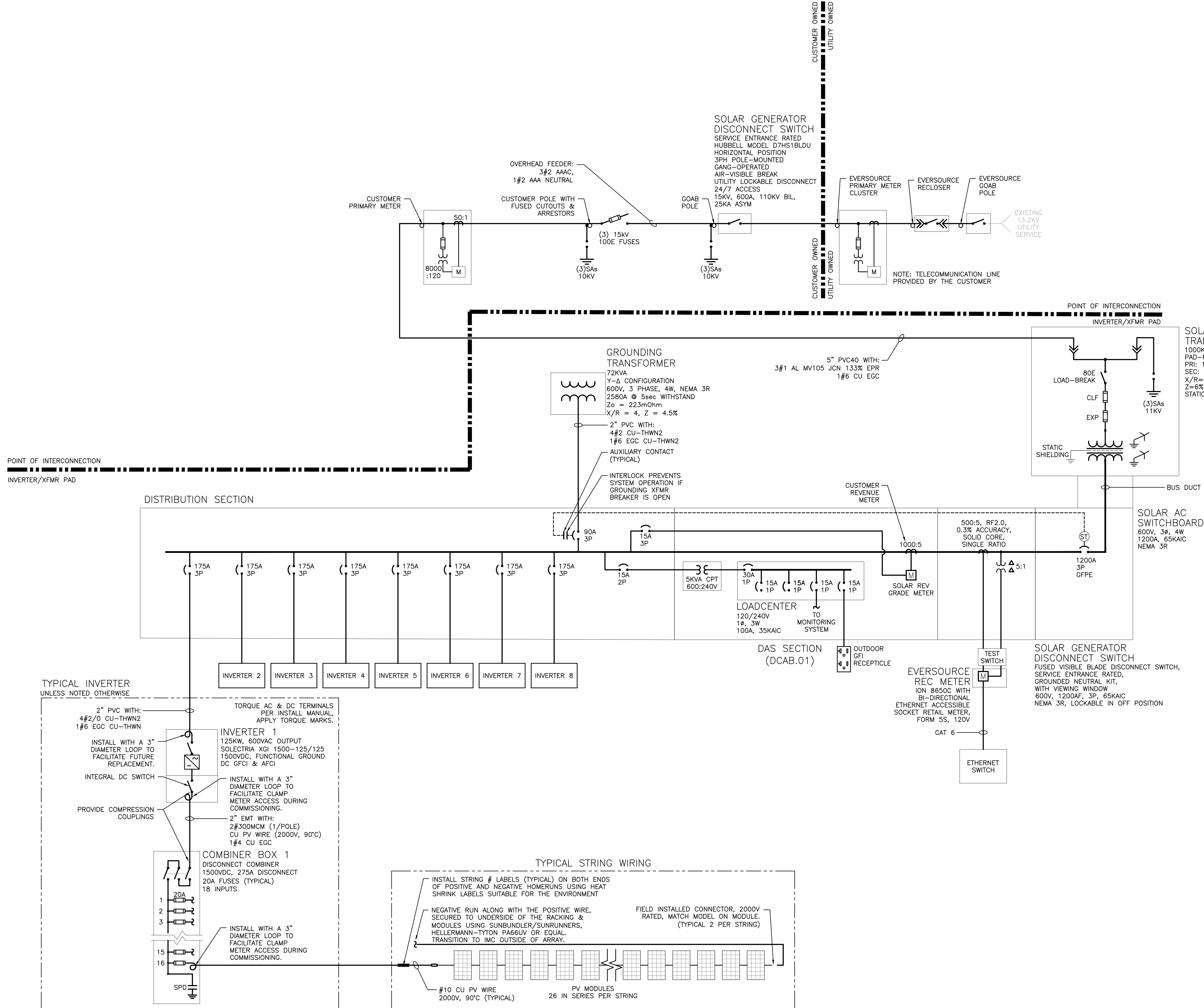
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RULER IN INCHES:

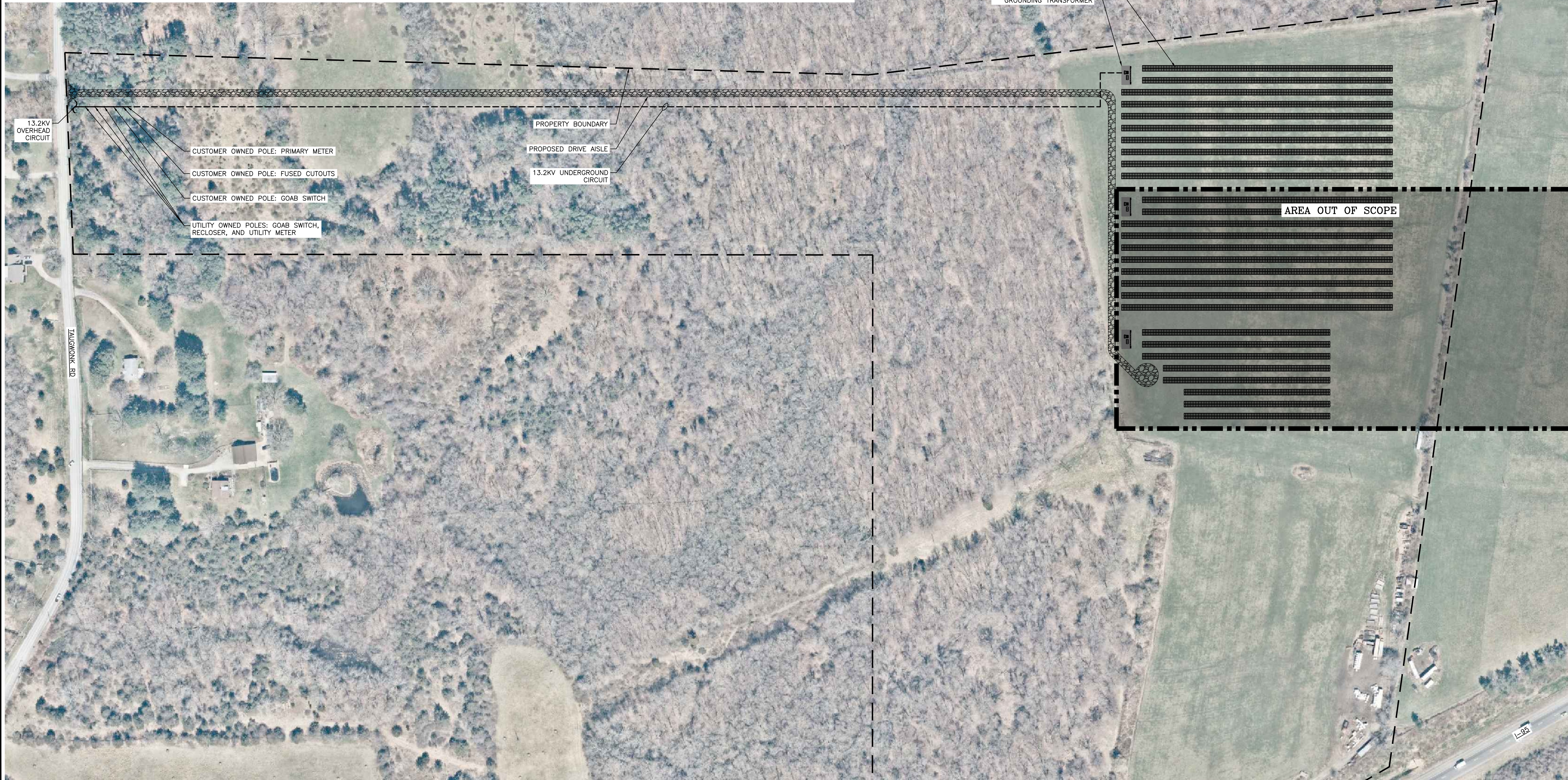
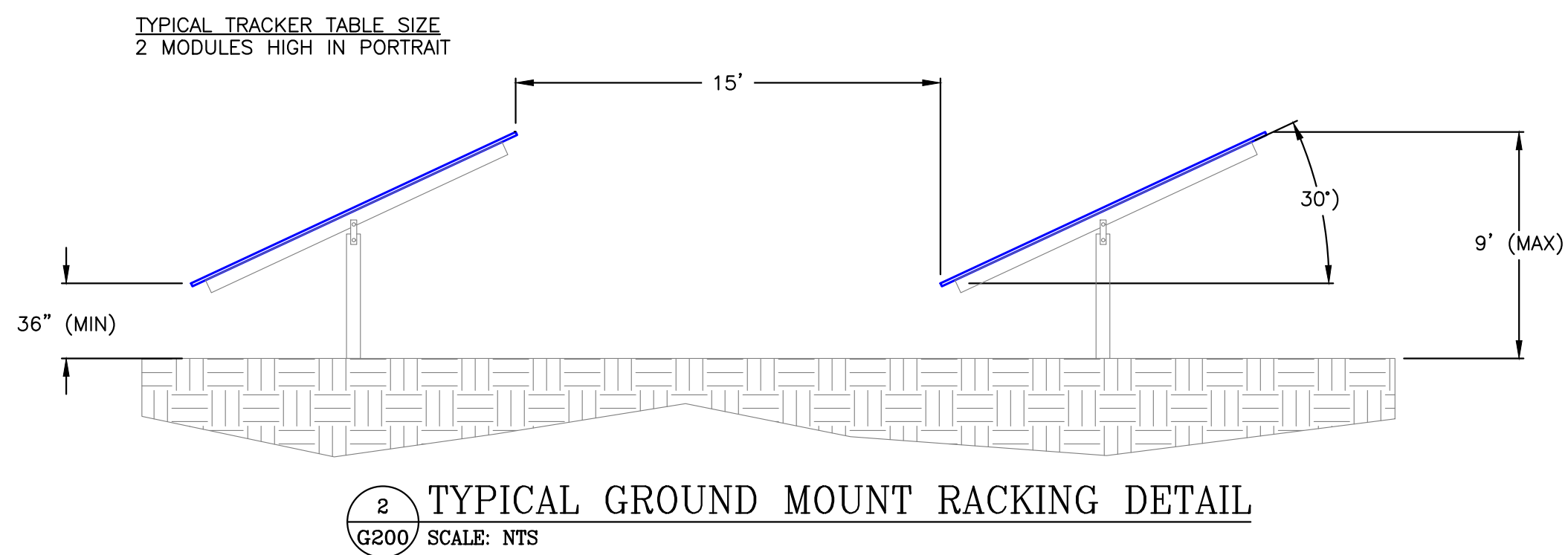


SYSTEM SUMMARY	
DC SYSTEM SIZE	1,314.56 KW
AC SYSTEM SIZE	1,000.00 KW
MODULE	CS3W-395PB-AG 395W
MODULE QTY	3,328
INVERTER	SOLECTRIA XGI 125KW
INVERTER QTY	8
AZIMUTH / TILT	180° / 30°

PROJECT: 1314.56KW SOLAR GROUND MOUNT SYSTEM AT GRE ST 2 35 TAUGWONK SPUR ROAD, STONINGTON, CT 06378	DRAWING # E300	2 OF 2	DATE 06/06/2019	REVISION DESCRIPTION	PM LENG CHK	BX BX SK
 Greenskies a Clean Focus company  LENG CHEN Professional Engineer No. 03628262 State of Connecticut  PURE POWER 5 MARINE VIEW PLAZA, HOBOKEN, NJ WWW.PUREPOWER.COM LICENSED A. VINCE CT LICENSE NO. 03628262						

1 ONE LINE DIAGRAM
E300 SCALE: NONE

DRAWING TITLE
ONE LINE DIAGRAM



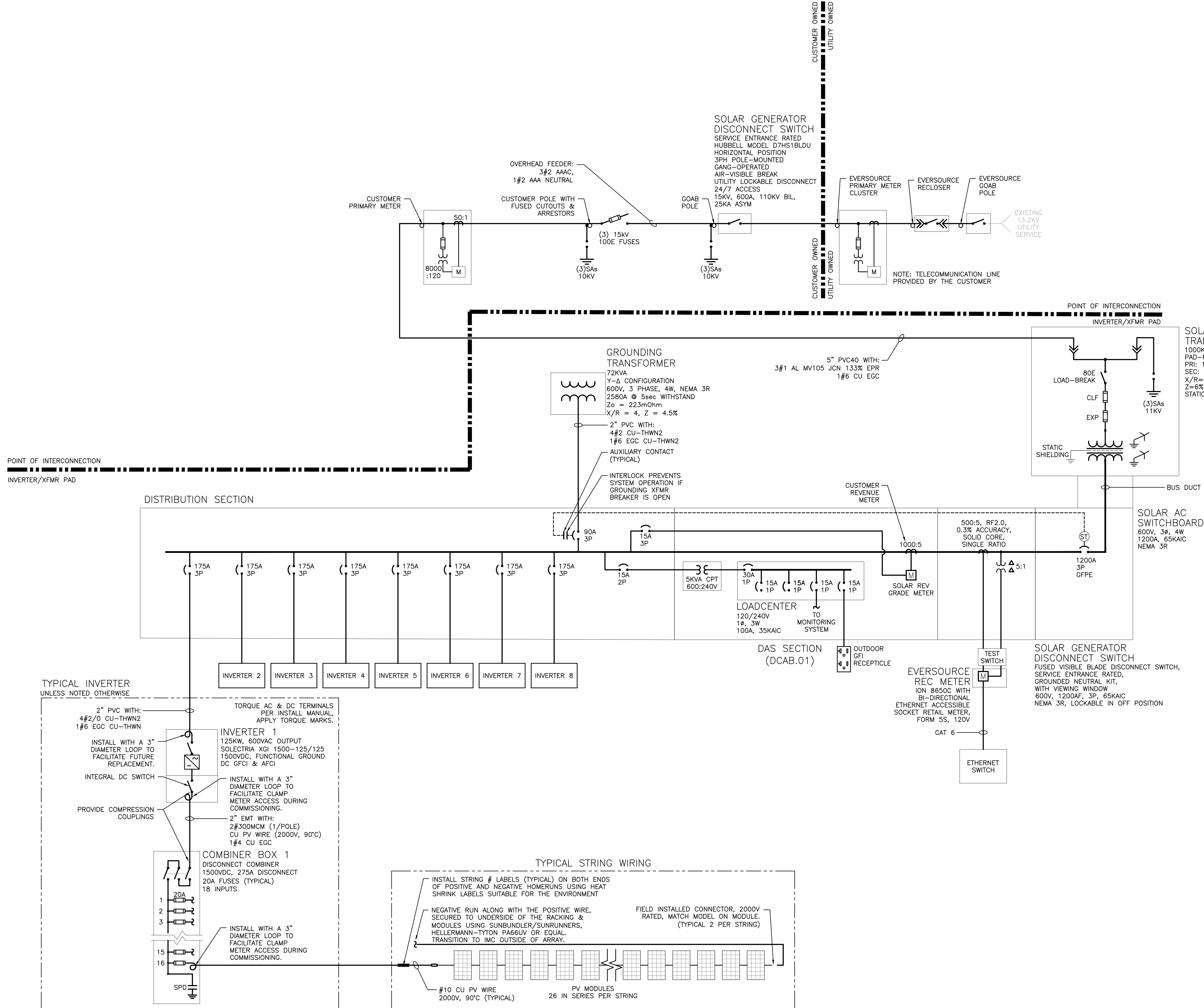
1 OVERALL ARRAY PLAN
G200 SCALE: 1" = 100'-0"

DRAWING TITLE

OVERALL ARRAY PLAN

PROJECT # 1314.56KW SOLAR GROUND MOUNT SYSTEM AT GRE ST 3 35 TAUGWONK SPUR ROAD, STONINGTON, CT 06378	1 OF 2	DRAWING # G200	 Greenskies a Clean Focus company 180 JOHNSON STREET, MIDDLETOWN, CT 06457 WWW.GREENSKIES.COM	 ENGINEER RICHARD A. IVINS CT LICENSE NO. 0228293	 PUREPOWER ENERGY SERVICES 5 MARINE VIEW PLAZA, HOBOKEN, NJ WWW.PUREPOWER.COM	DATE	REVISION	DESCRIPTION	PM	ENG	CHK	
	PAGE SIZE 36" x 24"	DC SYSTEM SIZE 1314.56 kW				AC SYSTEM SIZE 1000.00 kW	MODULE CS3W-395PB9--AG 395W	QUANTITY 3328	STRING QUANTITY 128	ORIENTATION 50TILT & 180°AZIMUTH	PROJECT # PPE 19.682.3	06/07/2019

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RULER IN INCHES:
PLOT DATE: 6/7/2019 11:14 AM



1 ONE LINE DIAGRAM
E300 SCALE: NONE

DRAWING TITLE
ONE LINE DIAGRAM

DATE	REVISION DESCRIPTION	PM	ENG	CHK
05/06/2019	INTERCONNECTION DOCUMENTS	BA	EX	SK

PUREPOWER
PUREPOWER ENERGY SOLUTIONS, INC.
5 MARINE VIEW PLAZA, HOBOKEN, NJ
WWW.PUREPOWER.COM
LICENSED A. VINCE
CT LICENSE NO. 03029262

GREENSKIES
180 JOHNSON STREET,
MIDDLETOWN, CT 06457
WWW.GREENSKIES.COM

GREENSKIES
a Clean Focus company

DEVELOPER
PROJECT #
PPE 19.682.3

PAGE SIZE
36" x 24"

PROJECT
PPE 19.682.3

DC SYSTEM SIZE: 1,314.56 KW
AC SYSTEM SIZE: 1,000.00 KW
MODULE: CS3W-395PB-AG 395W
MODULE QUANTITY: 3,328
STRING QUANTITY: 128
INVERTER QUANTITY: 8
AZIMUTH: 180° TILT: 30°

PROJECT: 1,314.56KW SOLAR GROUND MOUNT SYSTEM AT
GRE ST 3
35 TAUGWONK SPUR ROAD,
STONINGTON, CT 06378

2 OF 2
DRAWING #
E300

This topographic map displays a wooded area with various contour lines indicating elevation. A blue boundary outlines a large section of the map, while a purple line runs along the right edge. The map includes labels for 'Jewish War Veterans Memorial Hwy' and 'Jewish War Veterans Memorial Hwy' at the bottom right. Contour lines are marked with values such as 120, 130, 140, 150, 160, 170, 180, 190, and 200. A road labeled 'Jewish War Veterans Memorial Hwy' is visible at the bottom right.

- 18FT WIDE
GRAVEL ACCESS ROAD
W/ 18FT UTILITY EASEMENT

—(PROPOSED)
100FT SETBACK
FROM TREELINE

- 22.90 ACRES

PV ARRAY:	3,327.48 KW (DC) / 2,535 KW (AC)
MODULES:	(8,424) LG SOLAR LG395N2W-A5 MONO 395W MODULES
STRING DESIGN:	(18) MODULES PER SOURCE CIRCUIT
INVERTERS	(39) SOLECTRIA XGI1000-65/65 (65kW AC) UTILITY INTERACTIVE INVERTERS
RACKING:	RBI FIXED TILT RACKING SYSTEM
TILT ANGLE:	15° DEG.
AZIMUTH:	180° DEG. - DUE SOLAR SOUTH
GCR:	.50 GROUND COVERAGE RATIO
INTER-ROW SPACING:	13'-8"
DC / AC RATIO:	1.31 : 1

-NOTE:
AREA DEDICATED TO ALTERNATE
UTILITY SUBMITTAL /
INTER-CONNECTION
SYSTEM SIZE AND SPECS OF
ALTERNATE SUBMITTAL ARE
IDENTICAL TO THIS SUBMITTAL

CONCRETE PAD: (1) OF (2)

- CUSTOMER XFMR
- (3) AC AGGREGATE PANEL

—(EXISTING)
50FT WIDE UTILITY EASEMENT

—(EXISTING)
PROPERTY LINE

—(PROPOSED)
FENCE LINE
(WITH 20FT
INTERIOR PERIMETER)

—(EXISTING)
WETLANDS
(WITH 50FT CLEARANCE
FROM PV ARRAY)

—(EXISTING)
50FT SETBACK

PHOTOVOLTAIC PROJECT INFORMATION:

3,327.48 KW (DC) / 2,535.00 KW (AC)
PV UTILITY INTERACTIVE SYSTEM

STONINGTON - NORTH SOLAR PROJECT
35 TAUGWONK SPUR RD.
STONINGTON, CT 06378
AHJ: STONINGTON
UTILITY: EVERSOURCE

LAT/LONG: 41° 23' 18.33" N / 71° 53' 30.74" W
ELEVATION: ±195 FT
IRRADIANCE: ±4.77 KWH / M² / DAY

ASHRAE AVG LOW TEMP: -9.4°F / -23°C
ASHRAE AVG HIGH TEMP: 89.6°F / 32°C

PROJECT NUMBER

446-14

PROJECT SHEET

L-1

SHEET TITLE:

SITE PLAN & ARRAY LAYOUT

Greenskies
a Clean Focus company

PROJECT DEVELOPER

GREEN SKIES
(A CLEAN FOCUS COMPANY)
180 JOHNSON ST
MIDDLETOWN, CT 06457
PHONE: 860.398.5408
EMAIL: INFO@GREENSKIES.COM



SOLAR PV CONSULTANT

RENEWABLE DESIGN SOLUTIONS
10945 ESTATE LANE
SUITE E-105
DALLAS, TX 75238
PHONE: 214.564.9535
WWW.RENEWABLEDESIGNSOLUTIONS.COM

ELECTRICAL ENGINEER

JOE GIGANTIello PE (ELECTRICAL)
PHONE: 267.882.5393
EMAIL: JGIGANTIello@RDSSOLAR.COM



9/11/11

10% DESIGN PHASE
DOCUMENTS. NOT FOR
CONSTRUCTION OR BIDDING
PURPOSES. FOR UTILITY
SUBMITTAL ONLY

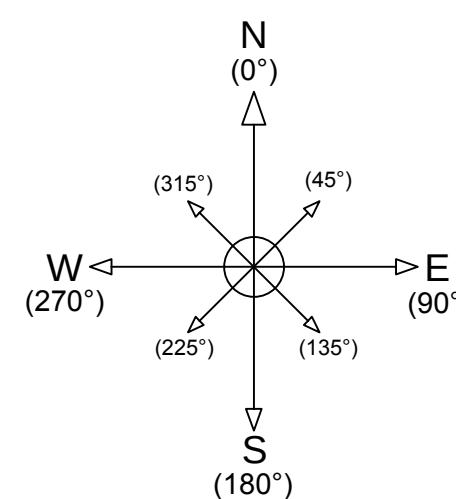
REVIEWED BY: J. GIGANTIELLO

DATE: 09 / 11 / 2018

REVISED:	
1.	N/A
2.	N/A
3.	N/A
4.	N/A
5.	N/A

SCALE: 1/128" = 1'-0"

PAPER SIZE: 24" x 36"



<u>(NEW) PHOTOVOLTAIC DC COLLECTION SYSTEM</u>	
<u>PV ARRAY:</u>	597.24 kW (DC) / 455.0 kW (AC)
<u>MODULES:</u>	(1512) LG SOLAR LG395N2W-A5 MONO 395W MODULES
<u>INVERTERS:</u>	(7) SOLECTRIA XGI1000-65/65 (65kW AC) UTILITY INTERACTIVE INVERTERS

[illegible]PHOTOVOLTAIC PROJECT INFORMATION:

PROJECT NUMBER: 446-14

PROJECT SHEET: E-4

SHEET TITLE: AC COLLECTION SYSTEM
(3-LINE DIAGRAM)



ELECTRICAL ENGINEER:

JOE GIGANTIELLO PE (ELECTRICAL)
PHONE: 267.882.5393
EMAIL: JGIGANTIELLO@RDSSOLAR.COM



Diagram illustrating a typical customer connection to a utility line. The diagram shows a utility pole with MV conductors at the top. A customer's service drop connects to a customer recloser, a customer PT & CTS, a customer meter, and a SELTSA relay cabinet. The diagram also shows a customer gang operated switch and customer fused cutouts. Two points of common coupling are indicated: one for the transition from customer to utility and another for the transition from utility to customer.

10% DESIGN PHASE
DOCUMENTS. NOT FOR
CONSTRUCTION OR BIDDING
PURPOSES. FOR UTILITY
SUBMITTAL ONLY

REVIEWED BY: J. GIGANTIELLO	
DATE: 09 / 11 / 2018	
REVISED:	
1.	N/A
2.	N/A
3.	N/A
4.	N/A
5.	N/A

SCALE: N/A

PAPER SIZE: 24" x 36"