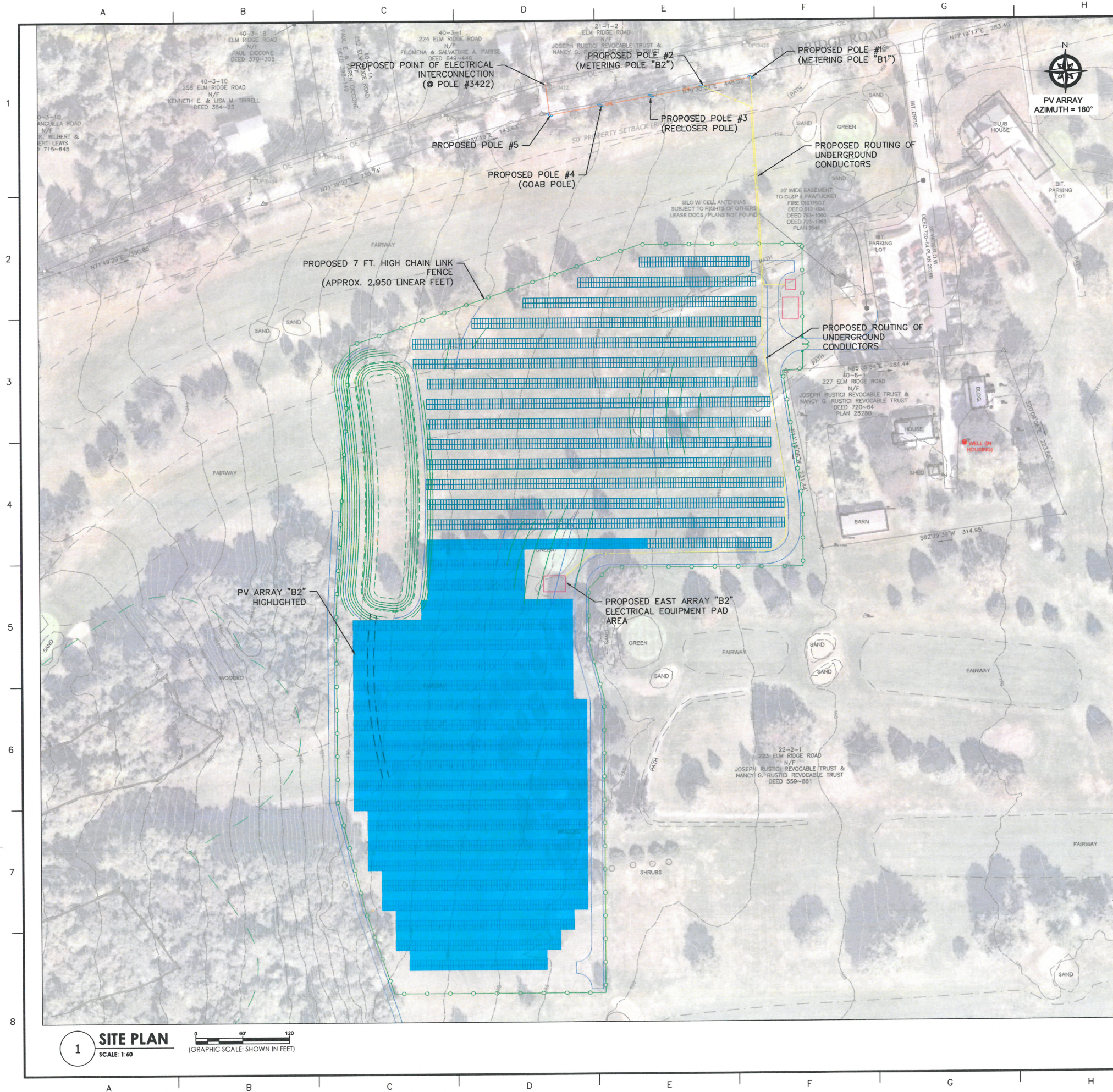
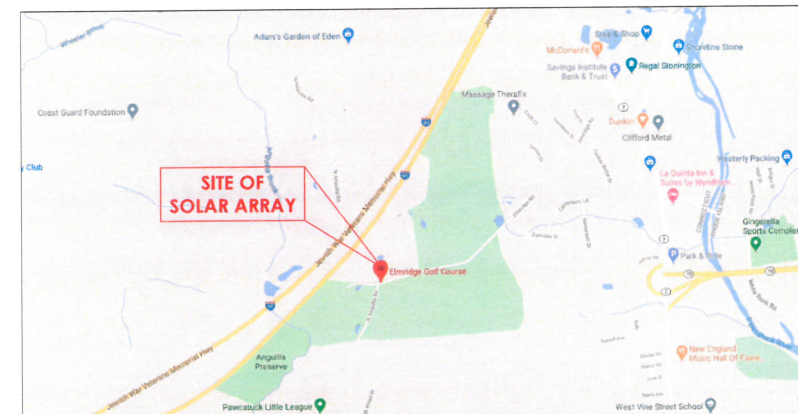
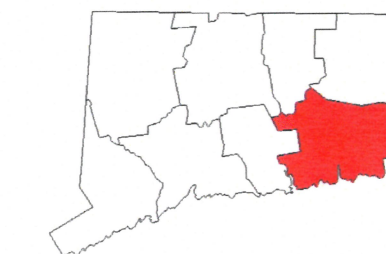




SOLAR PHOTOVOLTAIC TOTAL SYSTEM SIZE:
TOTAL RATED POWER= 1,264 kW DC (1000 kW AC)
(3200) CANADIAN BIHIKU 395W MODULES
(128) PARALLEL STRINGS OF (25) MODULES PER STRING
(8) SOLECTRIA XGI 1500-125/125
POST DRIVEN MOUNTING SYSTEM (2-HIGH PORTRAIT) @ 25° TILT



2 SITE LOCATION MAP
SCALE: N.T.S.



3 STATE COUNTY MAP
NEW LONDON COUNTY, CT



4 SAMPLE GROUND MOUNT IMAGE
SCALE: N.T.S.

REVISIONS			
NO.	DESCRIPTION	BY	DATE
2	FOR PERMIT	AR	05/18/20
1	CLIENT COMMENTS	AR	05/01/20

PROJECT TITLE:
ELMRIDGE GOLF COURSE
SOLAR PHOTOVOLTAIC SYSTEM

SITE:
ELMRIDGE GOLF COURSE
EAST ARRAY - SYSTEM B2
INT #53847
229 ELMRIDGE ROAD
PAWCATUCK, CT 06379

OWNER:

ADVANCED SOLAR PRODUCTS
Dedicated to Building a Sustainable Future

270 SOUTH MAIN STREET
FLEMINGTON, NJ 08822
908-751-5818 (PHONE)
908-751-5819 (FAX)
llye@advancedsolarproducts.com

NJ CERTIFICATE OF AUTHORIZATION LICENSE
NO.: 24GA28102500

DRAWN: RES
CHECKED: DATE: 04/09/2020

SCALE: NONE
DWG. NO.: E-2

DRAWING TITLE:
SITE PLAN



FOR PERMITTING

A) CODES AND STANDARDS:
ALL EQUIPMENT, MATERIALS, AND METHODS SHALL MEET THE FOLLOWING CODES AND STANDARDS:
- NATIONAL ELECTRICAL CODE, 2017 ED.
- UL 1741
- UL 1703
- UL 1699B
- IEEE 929-2000
- ALL OTHER APPLICABLE NATIONAL, STATE AND LOCAL CODES

B) SIGNAGE NOTES:

1. WARNING: THIS FACILITY IS SERVED BY A PHOTOVOLTAIC GENERATING SOURCE. THE PHOTOVOLTAIC AC DISCONNECT MEANS ARE LOCATED WITHIN THIS PANEL. THE PHOTOVOLTAIC DC DISCONNECT MEANS ARE LOCATED WITHIN THE INVERTERS.
2. ALL AC & DC FUSES & DISCONNECTS TO BE LABELED:
WARNING: ELECTRIC SHOCK HAZARD. DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION.
3. WARNING: IF A GROUND FAULT IS DETECTED,

3. WARNING - IF A GROUND FAULT IS DETECTED,
THE NORMALLY GROUNDED CONDUCTORS MAY BE ENERGIZED AND UNGROUNDED

4. CAUTION - HIGH VOLTAGE - KEEP OUT
DANGER - HIGH VOLTAGE - QUALIFIED PERSONS ONLY

C) INVERTER PROTECTIVE FUNCTIONS:
1. OVER VOLTAGE, UNDER VOLTAGE, OVER FREQUENCY & UNDER FREQUENCY PROTECTIONS BUILT INTO INVERTER PER UL 1741

D) DESIGN HIGH AMBIENT TEMPERATURE = 32°C
& DESIGN LOW AMBIENT TEMPERATURE = -19°C

NOTES:

A) CODES AND STANDARDS:
ALL EQUIPMENT, MATERIALS, AND METHODS SHALL MEET THE FOLLOWING CODES AND STANDARDS:
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- UL 1741
- UL 1703
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2. ALL AC & DC FUSES & DISCONNECTS TO BE LABELED.
WARNING: ELECTRIC SHOCK HAZARD. DO NOT TOUCH TERMINALS. TERMINALS ON BOTH THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION.
3. WARNING: IF A GROUND FAULT IS DETECTED, THE NORMALLY GROUNDED CONDUCTORS MAY BE ENERGIZED AND UNGROUNDED.
4. CAUTION - HIGH VOLTAGE - KEEP OUT
DANGER - HIGH VOLTAGE - QUALIFIED PERSONS ONLY

C) INVERTER PROTECTIVE FUNCTIONS:

1. OVER VOLTAGE, UNDER VOLTAGE, OVER FREQUENCY & UNDER FREQUENCY PROTECTIONS: BUILT INTO INVERTER PER UL 1741

D) DESIGN HIGH AMBIENT TEMPERATURE = 33°C
& DESIGN LOW AMBIENT TEMPERATURE = -16°C

SOLAR PHOTOVOLTAIC TOTAL SYSTEM SIZE:
TOTAL RATED POWER= 1,264 kW DC (1000 kW AC)
(3200) CANADIAN BIHIKU 395W MODULES
(128) PARALLEL STRINGS OF (25) MODULES PER STRING
(8) SOLECTRIA XGI 1500-125/125
STRING VALUES: Vmp = 962.5 VDC; Voc = 1175 VDC; Vmax = 1325 VDC

TABLE 1 - FEEDER SCHEDULE

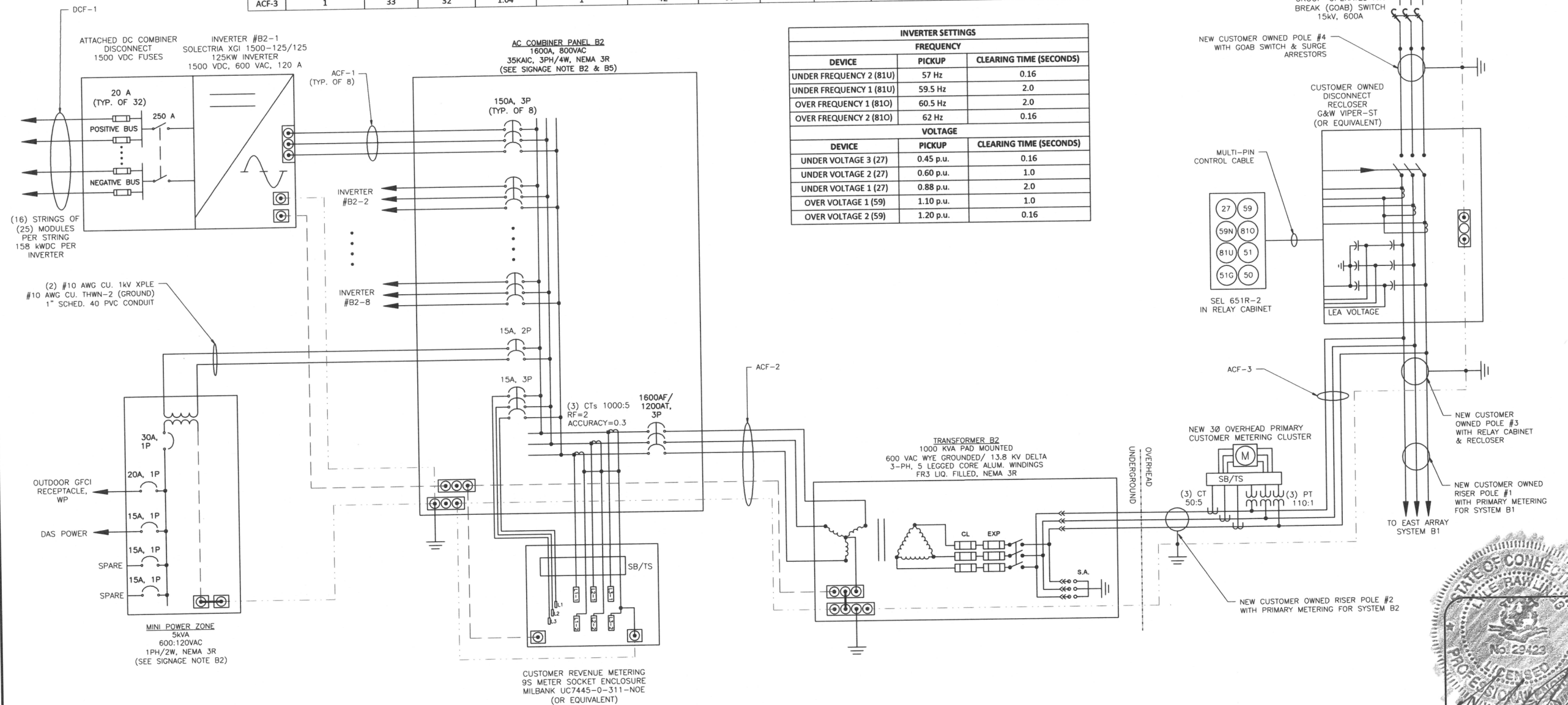
DC FEEDERS					
FEEDER	DC CONDUCTORS	CONDUCTORS PER POLARITY	CONDUCTORS PER INVERTER	EQUIPMENT GROUND	CONDUIT(S) PER INVERTER
DCF-1	#10 AWG CU. 2kV XLPE (PV WIRE)	1	32	#6 AWG CU. BARE	1 2" SCH. 40 PVC
AC FEEDERS					
FEEDER	AC 3Φ CONDUCTORS	CONDUCTORS PER PHASE	NEUTRAL (PER CONDUIT)	EQUIPMENT GROUND (PER CONDUIT)	CONDUIT(S)
ACF-1	#1/0 AWG CU. 1kV XLPE	1	#6 AWG CU. 1kV XPLE	#6 AWG CU. THWN-2	1 2" SCH. 40 PVC
ACF-2	500 KCMIL CU. 1kV XPLE	4	#2/0 AWG CU. 1kV XPLE	#3/0 AWG CU. THWN-2	2 5" SCH. 40 PVC
ACF-3	#2 AWG CU. MV-105, 15kV, 133% EPR SHIELDED PVC JACKET	1	N/A	#4 AWG CU. BARE	1 3" SCH. 40 PVC

TABLE 2 - AC FEEDER CALCULATIONS

FEEDER	CONDUCTORS PER PHASE/POLARITY	CONDUIT FILL %	AMBIENT TEMP. (°C)	TEMP. CORRECTION FACTOR	CURRENT CARRYING CONDUCTORS CORRECTION FACTOR	TOTAL REQUIRED AMPACITY	REQUIRED OCPD (AMPS)	TOTAL 75°C AMPACITY	TOTAL 90°C AMPACITY	TOTAL 105°C AMPACITY	TOTAL ADJUSTED 90°C AMPACITY	TOTAL ADJUSTED 105°C AMPACITY
DCF-1	1	26	32	0.96	0.4	14	20	35	40	N/A	15	N/A
ACF-1	1	29	32	0.96	1	120	150	150	170	N/A	163	N/A
ACF-2	4	28	32	0.96	0.8	960	1200	1520	1720	N/A	1321	N/A
ACF-3	1	33	32	1.04	1	42	60	N/A	195	215	N/A	224

INVERTER SETTINGS

FREQUENCY		
DEVICE	PICKUP	CLEARING TIME (SECONDS)
UNDER FREQUENCY 2 (81U)	57 Hz	0.16
UNDER FREQUENCY 1 (81U)	59.5 Hz	2.0
OVER FREQUENCY 1 (81O)	60.5 Hz	2.0
OVER FREQUENCY 2 (81O)	62 Hz	0.16
VOLTAGE		
DEVICE	PICKUP	CLEARING TIME (SECONDS)
UNDER VOLTAGE 3 (27)	0.45 p.u.	0.16
UNDER VOLTAGE 2 (27)	0.60 p.u.	1.0
UNDER VOLTAGE 1 (27)	0.88 p.u.	2.0
OVER VOLTAGE 1 (59)	1.10 p.u.	1.0
OVER VOLTAGE 2 (59)	1.20 p.u.	0.16



EQUIPMENT SPECIFICATIONS

CANADIAN SOLAR CS3W-395PB-AG BIFACIAL HALF-CELL MODULE:		SOLECTRIA XGI 1500-125/125:	
PEAK POWER (+3W/-0W)	Pmax 395 W	AC MAXIMUM OUTPUT POWER	125 kW / 125 kVA
OPERATING VOLTAGE	Vmp 38.50 V	AC OUTPUT VOLTAGE (3Φ)	600 VAC
OPERATING CURRENT	Imp 10.26 A	AC MAXIMUM OUTPUT CURRENT	120 A
OPEN CIRCUIT VOLTAGE	Voc 47.00 V	DC MAXIMUM VOLTAGE	1500 VDC
SHORT CIRCUIT CURRENT (RATED)	Isc 10.82 A	DC MAXIMUM CURRENT	320 A
SHORT CIRCUIT CURRENT (5% BOOST)	Isc+ 11.36 A	MPPT VOLTAGE RANGE	860-1450 VDC

KEY

NEUTRAL: - - - - -
GROUND: - - - - -

REVISIONS

NO.	DESCRIPTION	BY	DATE
2	FOR PERMIT	AR	05/18/20
1	CLIENT COMMENTS	AR	05/11/20

PROJECT TITLE:
ELMRIDGE GOLF COURSE
SOLAR PHOTOVOLTAIC SYSTEM

SITE:
ELMRIDGE GOLF COURSE
EAST ARRAY - SYSTEM B2
INT #33847
229 ELMRIDGE ROAD
PAWCATUCK, CT 06379

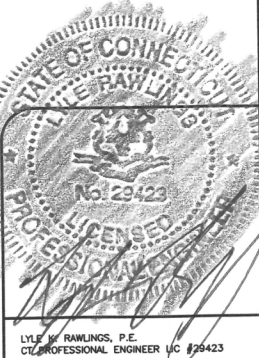
OWNER:

ADVANCED SOLAR PRODUCTS

270 SOUTH MAIN STREET
FLEMINGTON, NJ 08822
908-751-5818 (PHONE)
908-751-5819 (FAX)
lyle@advancedsolarproducts.com
NJ CERTIFICATE OF AUTHORIZATION LICENSE
NO.: 24GA28102500

DRAWN: AR DATE: 04/06/2020
CHECKED: DATE:
SCALE: NONE DWG. NO.: E-3-2
DRAWING TITLE:
THREE-LINE AC CIRCUIT

FOR PERMITTING



NOTES:

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D) DESIGN HIGH AMBIENT TEMPERATURE = 33°C

& DESIGN LOW AMBIENT TEMPERATURE = -16°C

BiHiKu

SUPER HIGH POWER BIFACIAL POLY PERC MODULE
390 W – 410 W
 UP TO 30% MORE POWER FROM THE BACK SIDE
CS3W-390 | 395 | 400 | 405 | 410P-B AG

MORE POWER

- Up to 30% more power from the back side
- 24% more front-side power than conventional modules
- Low MPPD: 51 ± 1 °C
- Low temperature coefficient (Pmax) -0.37 % / °C
- Better shading tolerance

FRONT

 BACK

30
*Year power output warranty**

12
*Months product warranty** on interconnect products and workmanship**

*According to the signature Canadian Solar Customer Warning Document.

MANAGEMENT SYSTEM CERTIFICATES*

ISO 9001:2015 | Quality management system
 ISO 14001:2015 | Standards for environmental management systems
 Canada 10000 ISO 9001 International organization for occupational health & safety

PRODUCT CERTIFICATIONS†

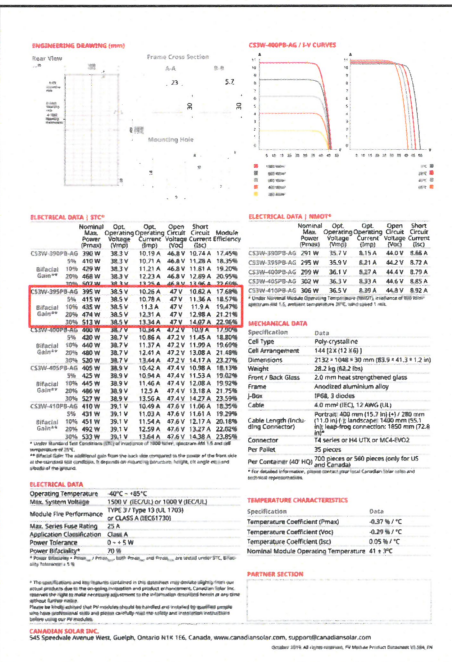
IEC 61215 IEC 61730 UL 61010 VDE 0185 / IEC 61730 TUV SUD
 UL 1709 IEC 61215 Performance class 400W-410 W / IEC 61730-4 class ABB
 TÜV Rheinland

*As per different certification requirements in different markets, please contact your local sales representative for the specific installation guidelines for the products in the region as each jurisdiction may be so varied.

CANADIAN SOLAR INC. is committed to providing highest quality solar products, solar system solutions and services to customers around the world. We're a modular supplier for quality and performance rate into 315 Module Customer Support Service. As a leading PV product developer and manufacturer of solar modules with over 38 GW deployed around the world since 2011.

*For more information, please visit our installation website:

CANADIAN SOLAR INC.
 545 Spenceville Avenue West, Guelph, Ontario N1E 1B6, Canada, www.canadiansolar.com, support@canadiansolar.com



SOLAR PHOTOVOLTAIC TOTAL SYSTEM SIZE:
TOTAL RATED POWER= 1,284 kW DC (1000 kW AC)
(3200) CANADIAN BIIHKU 395W MODULES
(128) PARALLEL STRINGS OF (25) MODULES PER STRING
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STRING VALUES: Vmp = 962.5 VDC; Voc = 1175 VDC; Vmax = 1325 VDC

YASKAWA

SOLECETRIA XGI™ 1500

Premium 3-Phase Transformerless Utility-Scale Inverters

SOLECETRIA XGI 1500

Features

- Made in the USA with global components
- True American Act (TMA) compliance
- Four models: 175kW/125VAC, 175kW/150VAC, 150kW/125VAC, 150kW/150VAC, 108kW/125VAC
- 150 kHz peak efficiency
- Flexible solution for distributed and centralized station architecture
- Advanced grid support functionality
- Rule 21/UL1741-ISA
- Robust, dependable and built to last
- Lowest O&M and installation costs
- Access all inverters on site via Wi-Fi from one location
- Remote diagnostics and firmware upgrades
- Surinco Modules Certified



Options

- String combiners
- DC disconnect
- Centralized and decentralized systems
- Web-based monitoring
- Extended warranty

Yaskawa Solecetria Solar's XGI 1500 utility-scale string inverters are designed for high reliability and built of the highest quality components that were selected, tested and proven to last beyond their warranty. The XGI 1500 inverters provide advanced grid support functionality and meet the latest IEEE 1547 and UL 1741 standards for safety. The XGI 1500 inverters are the most powerful 1500VDC string inverters on the PV market and have been engineered for both distributed and centralized system architectures. Designed and engineered in Lawrence, MA, the new Solecetria XGI inverters are assembled and tested at Yaskawa America's facilities in Buffalo Grove, IL. The XGI 1500 inverters are Made in the USA with global components and are compliant with the Buy American Act.

SOLECETRIA SOLAR

SOLECETRIA SOLAR

Specifications

	XGI 1500-125VAC	XGI 1500-150VAC	XGI 1080-125VAC	XGI 1080-150VAC
DC Input				
Maximum Maximum Input Voltage	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum Power per String (Pdc-MPP)	800 VDC @ 1000 A	800 VDC @ 1000 A	800 VDC @ 1000 A	800 VDC @ 1000 A
Maximum Number of Strings per Inverter	40	40	40	40
Maximum String Voltage	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum Operating Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
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Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (Pdc-MPP)	1.2 MW	1.2 MW	1.2 MW	1.2 MW
Maximum DC Input Voltage (Voc-MPP)	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum DC Input Current (Isc-MPP)	1000 A	1000 A	1000 A	1000 A
Maximum DC Input Power (				

YASKAWA

XGI 1500 COMBINERS

Increased Design Flexibility for SOLICETRA XGI 1500

Features

- Made in the USA with global components
- Buy American Act (BAA) compliant
- Designed exclusively for use with XGI 1500 inverters
- Both poles fused and enclosed
- 16, 32, 48, 96, and 288 fuse positions
- 15 and 20 A fuse options for all poles, 20 and 25 A fuse options for select models only
- Connection points for disconnection terminals
- NEMA 3R-rated design

Option

- Surge protector, both poles

Yaskawa Solicetra offers two 1500V string combiners. Attachable & Removable, each designed to pair exclusively with SOLICETRA XGI 1500 inverters. The 1500V Attachable Combiner is designed to mate directly to the XGI 1500 inverter using a tie-bus and PV systems where the combiner and inverter are located together throughout the array field. The 1500V Removable Combiner has similar features, but is designed for a control-unit or customer backfeed of multiple XGI 1500 inverters where the combiners are distributed throughout the PV array field. Both combiner line features the highest safety and durability in the industry today.

Choose from models with 16 to 288 fuse positions or either 15 or 20 A fuses. Solicetra models also available with 20 A fuses (20 positions) and 25 A fuses (16 positions). The combiner meets the XGI 1500 in quality and appearance. Both models satisfy the National Electrical Code for systems with ungrounded PV source circuit. All Yaskawa Solicetra XGI 1500 inverters and combiners are Made in the USA with global components and are compliant with the Buy American Act.

SOLICETRA SOLAR

XVI 1500 COMBINERS

Specifications

1500V DC Voltage	1500V DC Voltage - Low Voltage		1500V DC Voltage - High Voltage	
	14-4 A (1000)	14-4 A (1000)	14-4 A (1000)	14-4 A (1000)
Input Line Compatibility	Grounding System: 120/208V, 120/240V, 120/277V, 120/347V, 120/480V, 120/575V, 120/690V, 120/720V, 120/792V, 120/846V, 120/900V, 120/960V, 120/1000V, 120/1080V, 120/1150V, 120/1200V, 120/1247V, 120/1380V, 120/1470V, 120/1500V, 120/1600V, 120/1700V, 120/1800V, 120/1900V, 120/2000V, 120/2100V, 120/2200V, 120/2300V, 120/2400V, 120/2500V, 120/2600V, 120/2700V, 120/2800V, 120/2900V, 120/3000V, 120/3100V, 120/3200V, 120/3300V, 120/3400V, 120/3500V, 120/3600V, 120/3700V, 120/3800V, 120/3900V, 120/4000V, 120/4100V, 120/4200V, 120/4300V, 120/4400V, 120/4500V, 120/4600V, 120/4700V, 120/4800V, 120/4900V, 120/5000V, 120/5100V, 120/5200V, 120/5300V, 120/5400V, 120/5500V, 120/5600V, 120/5700V, 120/5800V, 120/5900V, 120/6000V, 120/6100V, 120/6200V, 120/6300V, 120/6400V, 120/6500V, 120/6600V, 120/6700V, 120/6800V, 120/6900V, 120/7000V, 120/7100V, 120/7200V, 120/7300V, 120/7400V, 120/7500V, 120/7600V, 120/7700V, 120/7800V, 120/7900V, 120/8000V, 120/8100V, 120/8200V, 120/8300V, 120/8400V, 120/8500V, 120/8600V, 120/8700V, 120/8800V, 120/8900V, 120/9000V, 120/9100V, 120/9200V, 120/9300V, 120/9400V, 120/9500V, 120/9600V, 120/9700V, 120/9800V, 120/9900V, 120/10000V, 120/10100V, 120/10200V, 120/10300V, 120/10400V, 120/10500V, 120/10600V, 120/10700V, 120/10800V, 120/10900V, 120/11000V, 120/11100V, 120/11200V, 120/11300V, 120/11400V, 120/11500V, 120/11600V, 120/11700V, 120/11800V, 120/11900V, 120/12000V, 120/12100V, 120/12200V, 120/12300V, 120/12400V, 120/12500V, 120/12600V, 120/12700V, 120/12800V, 120/12900V, 120/13000V, 120/13100V, 120/13200V, 120/13300V, 120/13400V, 120/13500V, 120/13600V, 120/13700V, 120/13800V, 120/13900V, 120/14000V, 120/14100V, 120/14200V, 120/14300V, 120/14400V, 120/14500V, 120/14600V, 120/14700V, 120/14800V, 120/14900V, 120/15000V, 120/15100V, 120/15200V, 120/15300V, 120/15400V, 120/15500V, 120/15600V, 120/15700V, 120/15800V, 120/15900V, 120/16000V, 120/16100V, 120/16200V, 120/16300V, 120/16400V, 120/16500V, 120/16600V, 120/16700V, 120/16800V, 120/16900V, 120/17000V, 120/17100V, 120/17200V, 120/17300V, 120/17400V, 120/17500V, 120/17600V, 120/17700V, 120/17800V, 120/17900V, 120/18000V, 120/18100V, 120/18200V, 120/18300V, 120/18400V, 120/18500V, 120/18600V, 120/18700V, 120/18800V, 120/18900V, 120/19000V, 120/19100V, 120/19200V, 120/19300V, 120/19400V, 120/19500V, 120/19600V, 120/19700V, 120/19800V, 120/19900V, 120/20000V, 120/20100V, 120/20200V, 120/20300V, 120/20400V, 120/20500V, 120/20600V, 120/20700V, 120/20800V, 120/20900V, 120/21000V, 120/21100V, 120/21200V, 120/21300V, 120/21400V, 120/21500V, 120/21600V, 120/21700V, 120/21800V, 120/21900V, 120/22000V, 120/22100V, 120/22200V, 120/22300V, 120/22400V, 120/22500V, 120/22600V, 120/22700V, 120/22800V, 120/22900V, 120/23000V, 120/23100V, 120/23200V, 120/23300V, 120/23400V, 120/23500V, 120/23600V, 120/23700V, 120/23800V, 120/23900V, 120/24000V, 120/24100V, 120/24200V, 120/24300V, 120/24400V, 120/24500V, 120/24600V, 120/24700V, 120/24800V, 120/24900V, 120/25000V, 120/25100V, 120/25200V, 120/25300V, 120/25400V, 120/25500V, 120/25600V, 120/25700V, 120/25800V, 120/25900V, 120/26000V, 120/26100V, 120/26200V, 120/26300V, 120/26400V, 120/26500V, 120/26600V, 120/26700V, 120/26800V, 120/26900V, 120/27000V, 120/27100V, 120/27200V, 120/27300V, 120/27400V, 120/27500V, 120/27600V, 120/27700V, 120/27800V, 120/27900V, 120/28000V, 120/28100V, 120/28200V, 120/28300V, 120/28400V, 120/28500V, 120/28600V, 120/28700V, 120/28800V, 120/28900V, 120/29000V, 120/29100V, 120/29200V, 120/29300V, 120/29400V, 120/29500V, 120/29600V, 120/29700V, 120/29800V, 120/29900V, 120/30000V, 120/30100V, 120/30200V, 120/30300V, 120/30400V, 120/30500V, 120/30600V, 120/30700V, 120/30800V, 120/30900V, 120/31000V, 120/31100V, 120/31200V, 120/31300V, 120/31400V, 120/31500V, 120/31600V, 120/31700V, 120/31800V, 120/31900V, 120/32000V,			

REVISIONS			
NO.	DESCRIPTION	BY	DATE
2	FOR PERMIT	AR	05/18/20
1	CLIENT COMMENTS	AR	05/11/20

PROJECT TITLE:
ELMRIDGE GOLF COURSE
SOLAR PHOTOVOLTAIC SYSTEM

SITE:
ELMRIDGE GOLF COURSE
EAST ARRAY - SYSTEM B2
INT #33847
229 ELMRIDGE ROAD
PAWCATUCK, CT 06379

OWNER:

ADVANCED SOLAR PRODUCTS
Dedicated to Building a Sustainable Future

270 SOUTH MAIN STREET
FLEMINGTON, NJ 08822
908-751-5818 (PHONE)
908-751-5819 (FAX)
lyle@advancedsolarproducts.com

NJ CERTIFICATE OF AUTHORIZATION LICENSE
NO.: 24GA28102500

DRAWN:	DATE:
AR	04/06/2020

AR	04/06/2020
CHECKED:	DATE:

SCALE:	DWG. NO.:
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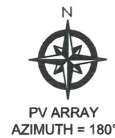
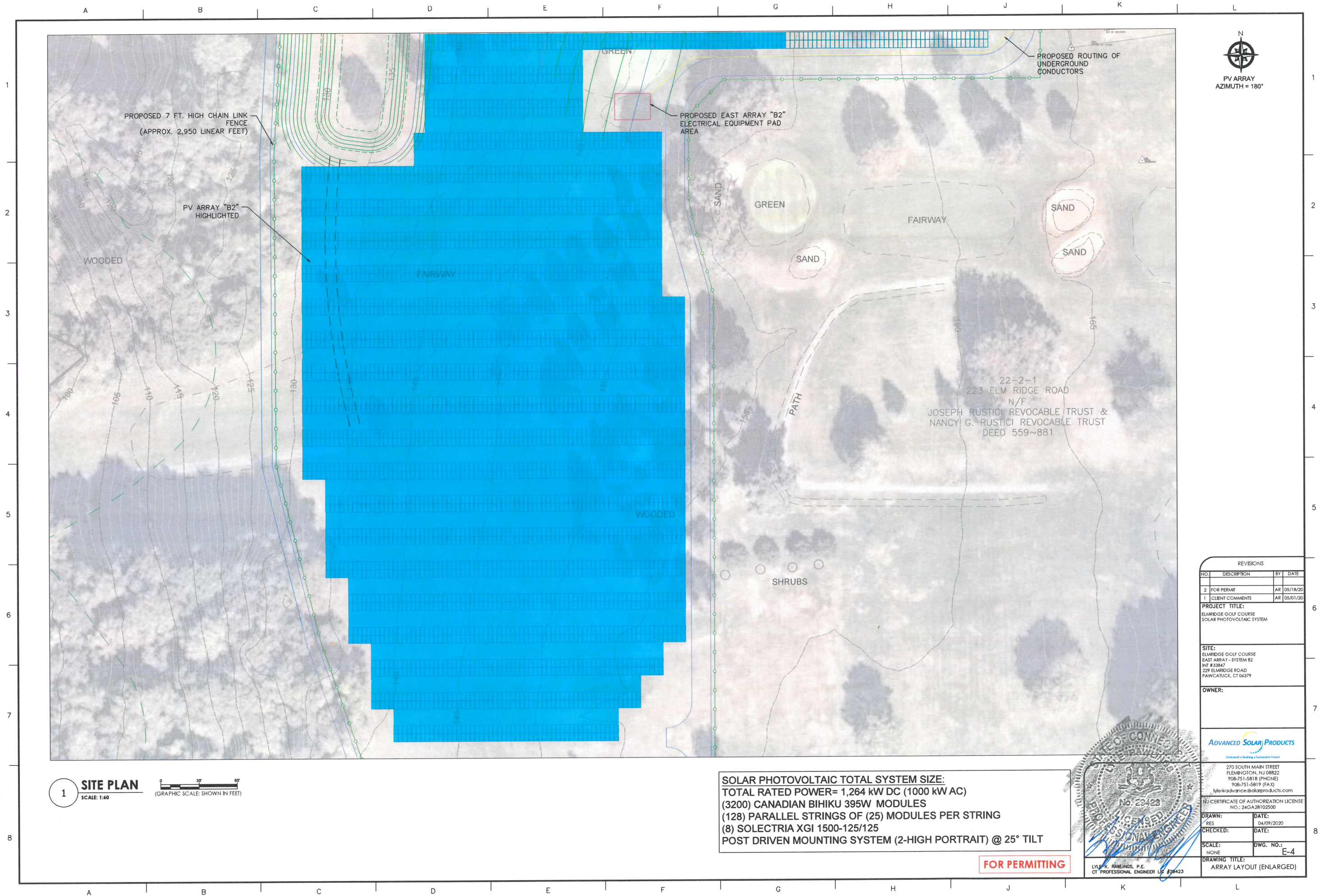
NONE	E-3-3
DRAWING TITLE:	

FOR PERMITTING



LYLE K. RAWLINGS, P.E.
CT PROFESSIONAL ENGINEER LIC #29423

EQUIPMENT SPEC. SHEETS



REVISIONS			
NO.	DESCRIPTION	BY	DATE
2	FOR PERMIT	AR	05/18/20
1	CLIENT COMMENTS	AR	05/01/20

PROJECT TITLE:
ELMRIDGE GOLF COURSE
SOLAR PHOTOVOLTAIC SYSTEM

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NJ CERTIFICATE OF AUTHORIZATION LICENSE
NO.: 24GA28102500

DRAWN:	DATE:
RES	04/09/2020
CHECKED:	DATE:

SCALE:	DWG. NO.:
NONE	E-4

DRAWING TITLE:
ARRAY LAYOUT (ENLARGED)



SOLAR PHOTOVOLTAIC TOTAL SYSTEM SIZE:
TOTAL RATED POWER= 1,264 kW DC (1000 kW AC)
(3200) CANADIAN BIHIKU 395W MODULES
(128) PARALLEL STRINGS OF (25) MODULES PER STRING
(8) SOLECTRIA XGI 1500-125/125
POST DRIVEN MOUNTING SYSTEM (2-HIGH PORTRAIT) @ 25° TILT

FOR PERMITTING