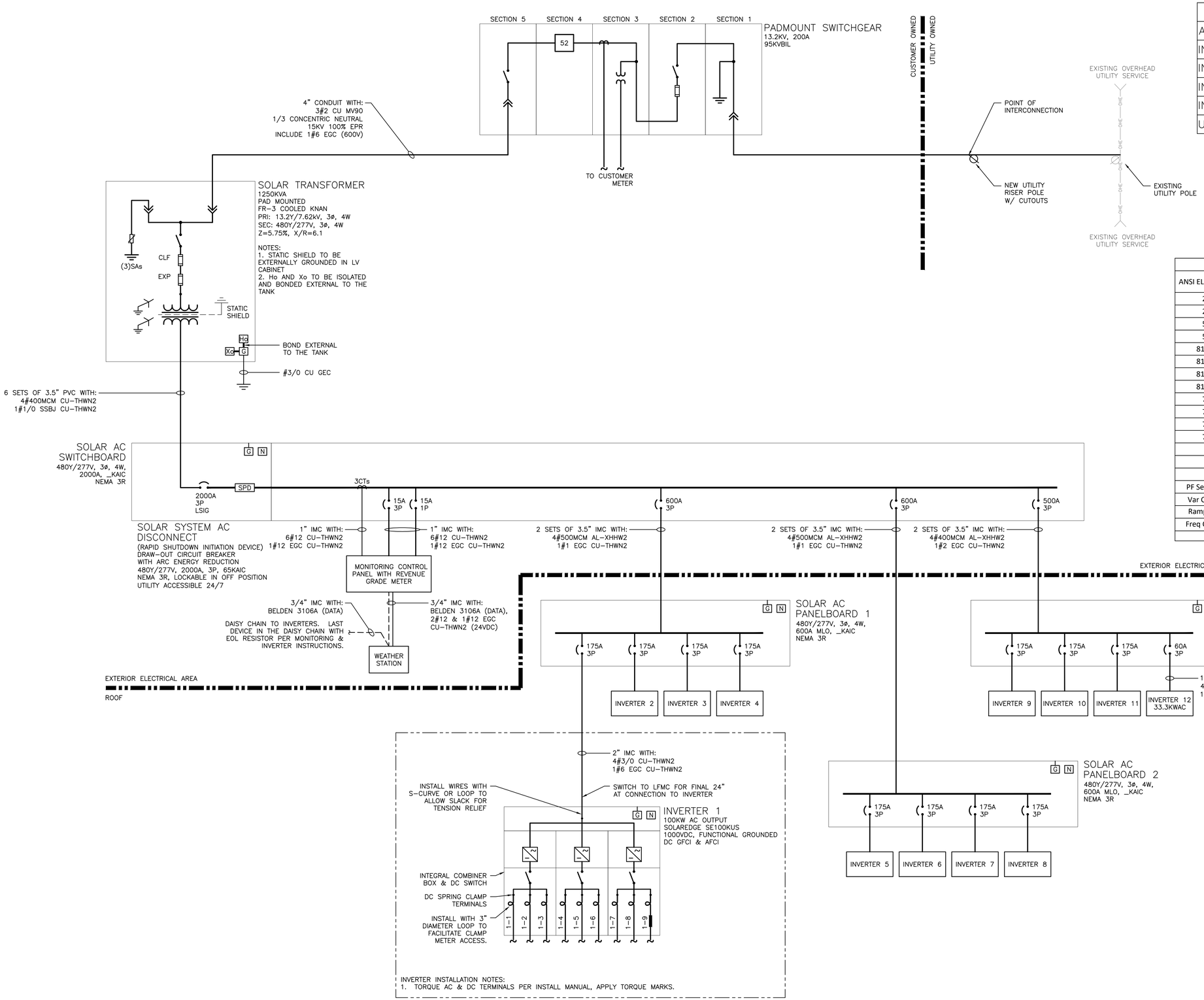

1 ONE LINE DIAGRAM
E300 SCALE: NONE

SYSTEM SUMMARY	
AC SYSTEM SIZE	1,166.60 KW
INVERTER	SOLAREDGE SE100KUS
INVERTER QTY	11
INVERTER	SOLAREDGE SE66.6KUS
INVERTER QTY	1
UTILITY	ATLANTIC CITY ELECTRIC

INVERTER INTERNAL PROTECTIVE SETTINGS: UL1741-SA COMPLIANT					
ANSI ELEMENT #	Pickup	Units*	Level	Total Clear Time (sec)	Description
27	243.9	V	88%	2.00	Slow UV
27	138.6	V	50%	1.10	Fast UV
59	304.8	V	110%	2.00	Slow OV
59	332.6	V	120%	0.16	Fast OV
81U-1	56.50	Hz	94%	0.16	Fast UF
81U-2	58.50	Hz	98%	300.00	Slow UF
81O-1	62.00	Hz	103%	0.16	Fast OF
81O-2	61.20	Hz	102%	300.00	Slow OF
79	263.3	V	95%	300.00	Min Reclosing Voltage Value
79	291.0	V	105%	300.00	Max Reclosing Voltage Value
79	59.5	Hz	99%	300.00	Min Reclosing Frequency Value
79	60.5	Hz	101%	300.00	Max Reclosing Frequency Value
INVERTER INTERNAL OPERATION SETTINGS					
PF Set Point	1.00				Power Factor Control
Var Control	OFF				Reactive Power Control
Ramp Rate	10%/1 sec				dkw / dt
Freq Control	OFF				Speed Control
* voltages based off 277.1V Line to Neutral					

SHEET NOTES:
1. CONTRACTOR SHALL FIELD-VERIFY INTERCONNECTION MEANS/METHODS PRIOR TO INSTALLATION. COORDINATED SHUTDOWN MAY BE REQUIRED.
2. PROVIDE TORQUE MARKS INSIDE INVERTERS.
3. SET ELECTRONIC-TRIP BREAKERS TO THE SETTINGS BELOW, UNLESS OTHERWISE NOTED IN POWER STUDY. "NOMINAL TRIP" REFERS TO BREAKER TRIP RATING INDICATED ON ONELINE.
   - L = 100% OF NOMINAL TRIP (EXACT) MINIMUM TIME DELAY
   - S = 125% OF NOMINAL TRIP (OR NEXT HIGHER) MINIMUM TIME DELAY
   - I = 150% OF NOMINAL TRIP (OR NEXT HIGHER)
   - G = 20% OF NOMINAL TRIP (OR NEXT HIGHER) 0.5 SEC TIME DELAY

DRAWING TITLE: ONE LINE DIAGRAM

DRAWING # E300

PROJECT: SOLAR ROOFTOP SYSTEM AT 2303 CENTER SQUARE ROAD, 2303 CENTER SQUARE ROAD, SWEDESBORO, NEW JERSEY 08085

DEVELOPER: SUMMIT RIDGE ENERGY, 1515 WILSON BLVD, SUITE 700, ARLINGTON, VA 22209, WWW.SRENERGY.COM

ENGINEER: PUREPOWER ENGINEERING, 111 WOOD ST, LONDON, NJ, WWW.PUREPOWER.COM, RICHARD A. WINS, NJ LICENSE No. 47878

DATE	REVISION DESCRIPTION	PM	ENG	CHK
01/19/2021	INTERCONNECTION DOCUMENTS	RK	GP	RI

PAGE SIZE 36" x 24"

PROJECT # 01488.14

PLOT DATE: 1/19/2021 10:24 AM

RULER IN INCHES: