



5MW AC GROUND MOUNTED SOLAR FARM
KANESOLAR01 LLC - RUFFOLO SOLAR FACILITY

MARCH 2023

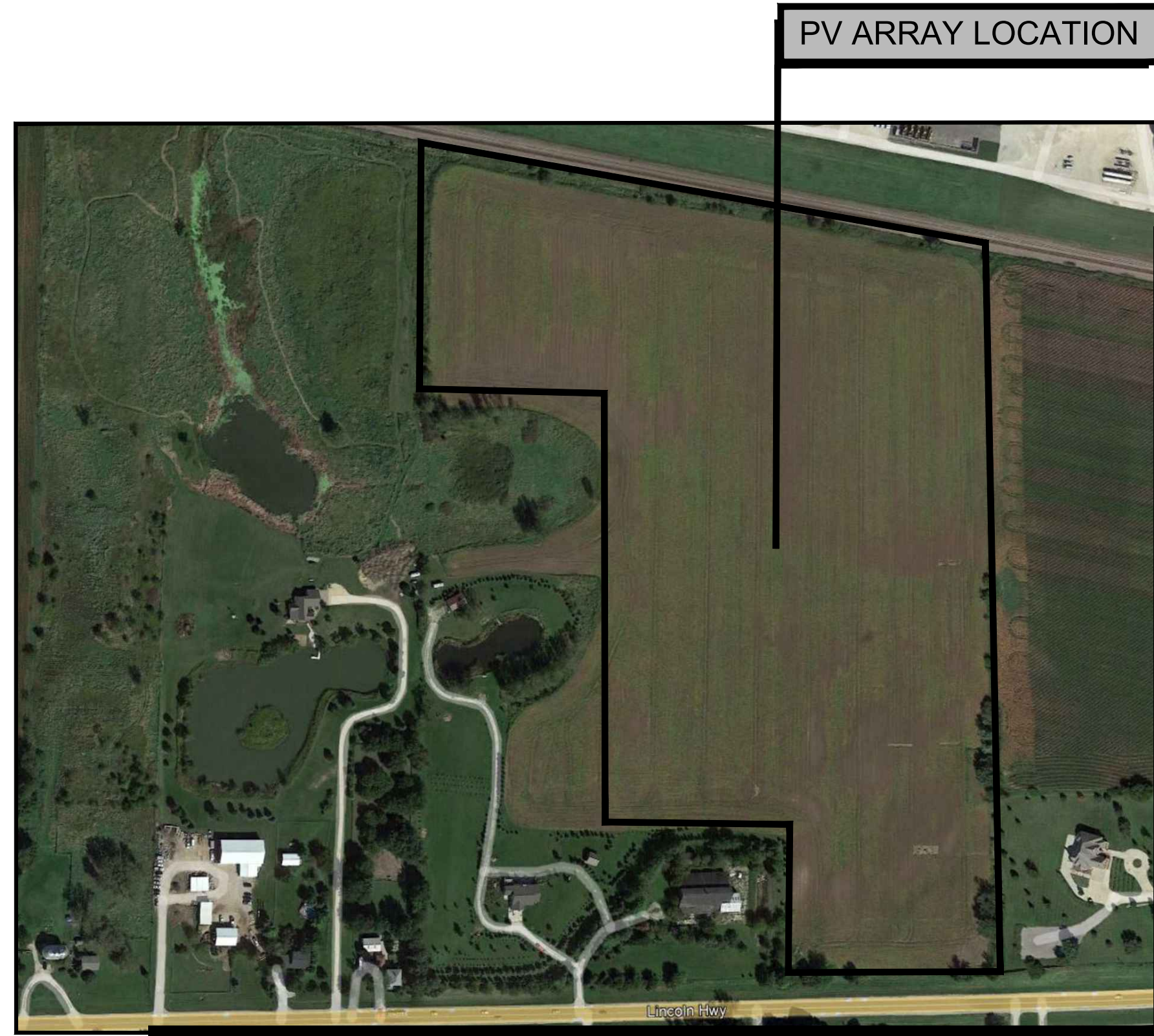
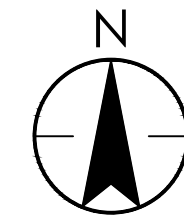
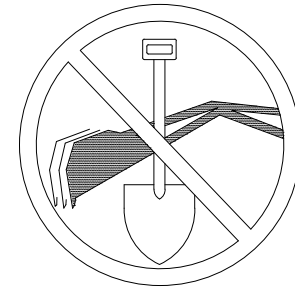
SYSTEM OWNER
 KANESOLAR01 LLC
 330 W GOETHE ST
 CHICAGO, IL 60610

PROJECT INFO
 RUFFOLO SOLAR FACILITY
 CONCEPTUAL DESIGN
 47W962 RT 38
 MAPLE PARK, IL 60151

LANDOWNER INFO
 MARIO A RUFFOLO TRUST, DATED 2003
 MARIO A. RUFFOLO, TRUSTEE
 47W962 RT 38
 MAPLE PARK, IL 60151

BEFORE YOU DIG
 CALL TOLL FREE
 IN ILLINOIS
 811

CALL 48 HOURS (2) FULL
 WORKING DAYS BEFORE DIGGING



PV ARRAY LOCATION

SHEET NUMBER	SHEET TITLE
G-001	PROJECT TITLE SHEET
E-100	ELECTRICAL OVERALL SITE PLAN
E-101	PV SYSTEM DATA
E-600	ELECTRICAL WIRING DIAGRAM
E-601	ELECTRICAL WIRING DIAGRAM
E-602	ELECTRICAL WIRING DIAGRAM

MODULE TYPE	TRINA TSM-DEG20C.20 - 585W MODULE
MODULE DIMENSIONS (INxIN)	85.51"(L) x 51.30"(W) x 1.57"(H)
MODULE WATTAGE (W STC)	585
#MODULES	12800
SYSTEM SIZE (MWDC STC)	7.49
ARRAY TILT (DEGREES)	SINGLE AXIS TRACKER
AZIMUTH (DEGREES)	180°
INVERTER TYPE	CHINT CPS SCH125KTL-DO/US-600
#INVERTERS	40
GROSS NAMEPLATE RATING (MWAC)	5.00
SERVICE VOLTAGE OF MAIN PANEL	13800V
SYSTEM AC OUTPUT CURRENT	209.19A

AERIAL MAP

SCALE: NTS

UTILITY DISCLAIMER:
 UNDERGROUND UTILITY INFORMATION DEPICTED ON THESE PLANS IS BASED ON UTILITY FEATURES OBSERVED AT THE GROUND SURFACE AND/OR UTILITY PLANS PROVIDED BY CLIENT/PROPERTY OWNER (IF PROVIDED). STANTEC DID NOT PERFORM A DETAILED SUBSURFACE UTILITY INVESTIGATION FOR ONSITE UTILITIES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESENCE/ABSENCE OF SUBSURFACE UTILITIES PRIOR TO COMMENCEMENT OF EXCAVATION ACTIVITIES VIA CONTRACTING WITH A PRIVATE UTILITY COMPANY AND/OR CONTACTING CALL BE FOR YOU DIG IN ILLINOIS. STANTEC ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF UNDERGROUND UTILITIES.

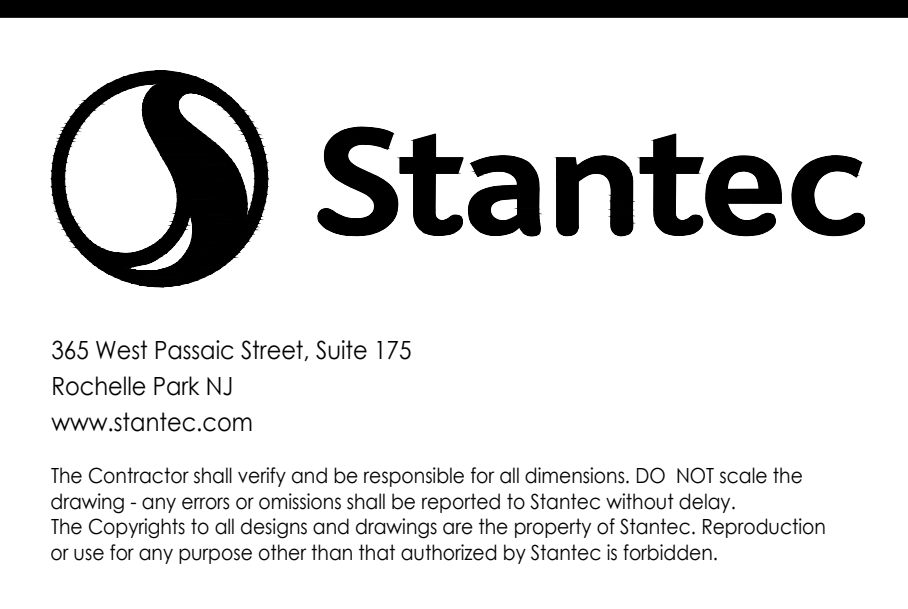
PROJECT SUMMARY:
 THIS PROJECT INVOLVES THE INSTALLATION OF A GROUND MOUNTED PHOTOVOLTAIC SYSTEM. THIS SYSTEM INCLUDES THE SOLAR MODULES ON A SINGLE AXIS TRACKER RACKING SYSTEM, STRING INVERTERS, AND ASSOCIATED ELECTRICAL EQUIPMENT AND MATERIALS.
 THE PHOTOVOLTAIC SYSTEM WILL BE INSTALLED ON A GROUND MOUNTED RACKING SYSTEM. THIS SYSTEM IS DESIGNED TO WITHSTAND WIND AND SEISMIC LOADS. THE SYSTEM IS DESIGNED SO THAT IT WILL NOT IMPACT EXISTING SITE CONDITIONS SUCH AS, BUT NOT LIMITED TOO, ADA COMPLIANCE, FIRE DEPARTMENT CONNECTIONS, LANDSCAPING, VEHICULAR SITE ACCESS OR PARKING AND LOADING AREAS.

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Revision	By	Appd.	YY.MM.DD	Issued	By	Appd.	YY.MM.DD
C	UTILITY INTERCONNECTION	JD	MF	23.03.30			
B	UTILITY INTERCONNECTION	JD	MK	22.06.10			
A	UTILITY INTERCONNECTION	JD	MK	22.01.07			



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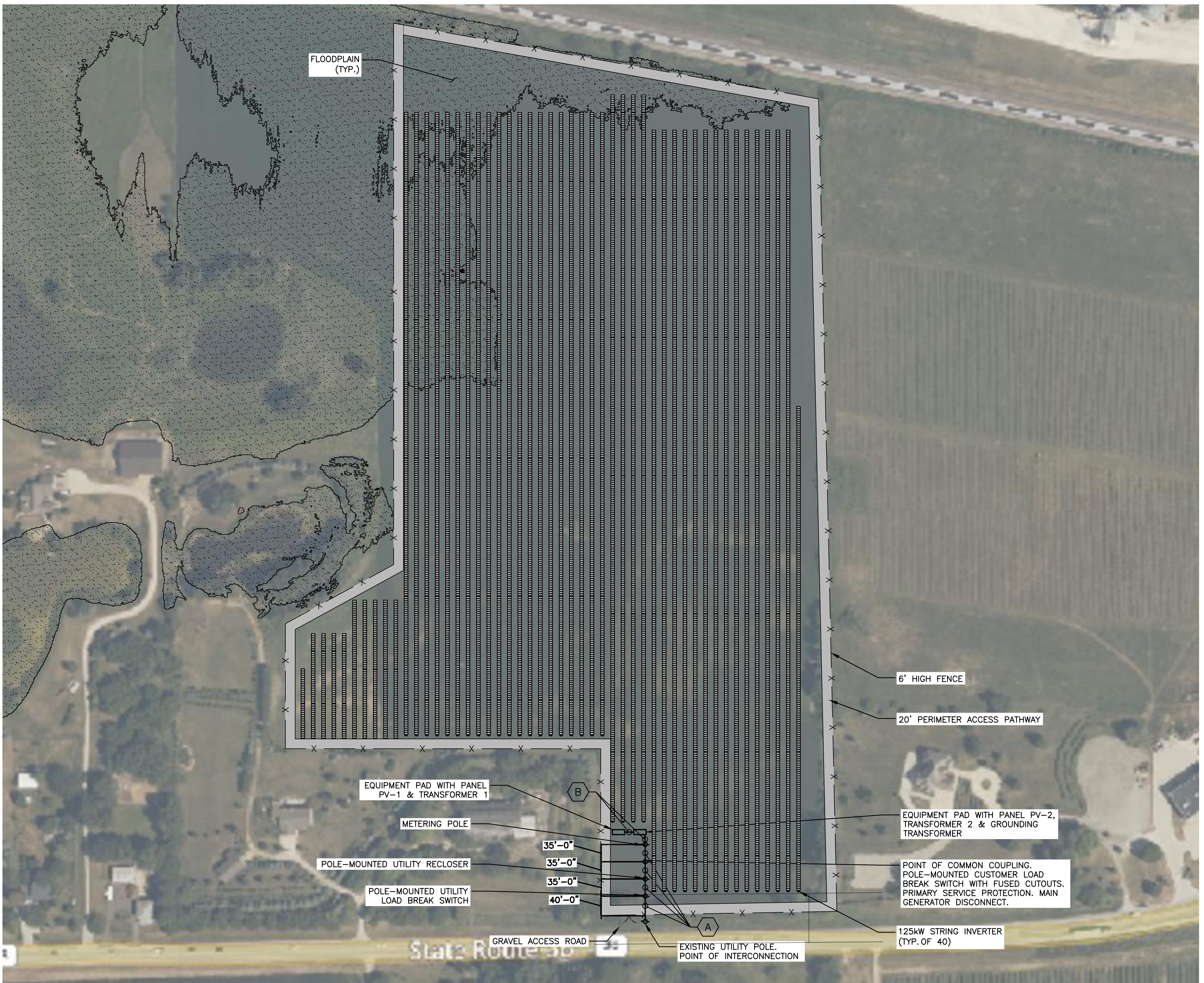
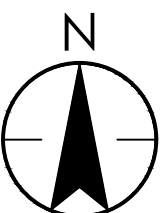
Client/Project
 KANESOLAR01 LLC
 RUFFOLO SOLAR FACILITY
 47W962 RT 38, MAPLE PARK, IL 60151

File Name: G-001 PROJECT TITLE SHEET.dwg

JD	MF	MK	22.01.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
 PROJECT TITLE SHEET

Project No. 192510917	Scale REFER TO DWG
Drawing No. G-001	Sheet 1 of 6
	Revision



1 OVERALL SITE PLAN
 1"=120' 0 120' 240'

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Revision	By	Appd.	YY.MM.DD

Permit-Seal

Michael T. Fitzpatrick
 signature
 03-30-2023
 date
 LICENSE EXPIRES 11-30-2023

Consultants

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Client/Project
 KANESOLAR01 LLC
 RUFFOLO SOLAR FACILITY
 47W962 RT 38, MAPLE PARK, IL 60151

File Name: E:100 ELECTRICAL OVERALL SITE PLAN.dwg
 JD MF MK 22.01.07
 Dwn. Chkd. Dsgn. YY.MM.DD

Title
 ELECTRICAL OVERALL SITE PLAN

Project No. 192510917
 Scale REFER TO DWG

Drawing No. E-100
 Sheet 2 of 6
 Revision

5.00 MW AC SOLAR ARRAY SUMMARY CHART

INVERTER	SOLAR MODULE	MODULE TILT	MODULE AZIMUTH	RACKING MANUFACTURER	RACKING TYPE	INVERTER	STRINGS	MODULES PER STRING	WATTS	TOTAL MODULES	TOTAL kWDC
INVERTER#1 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#2 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#3 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#4 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#5 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#6 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#7 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#8 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#9 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#10 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#11 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#12 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#13 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#14 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#15 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#16 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#17 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#18 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#19 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#20 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#21 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#22 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#23 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#24 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#25 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#26 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#27 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#28 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#29 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#30 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#31 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#32 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#33 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#34 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#35 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#36 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#37 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#38 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#39 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
INVERTER#40 (125kW)	TRINA TSM-DEG20C.20 - 585W MODULE	VARIES	180	GAMECHANGE	SINGLE AXIS TRACKER	CHINT CPS SCH125KTL-D0/US-600	10	32	585	320	187.20kW
							400			12,800	7488.00kW

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Revision	By	Appd.	YY.MM.DD


Issued	By	Appd.	YY.MM.DD
C UTILITY INTERCONNECTION	JD	MF	23.03.30
B UTILITY INTERCONNECTION	JD	MK	22.06.10
A UTILITY INTERCONNECTION	JD	MK	22.01.07

Permit-Seal



Michael T. Fitzpatrick
signature
03-30-2023
date
LICENSE EXPIRES 11-30-2023

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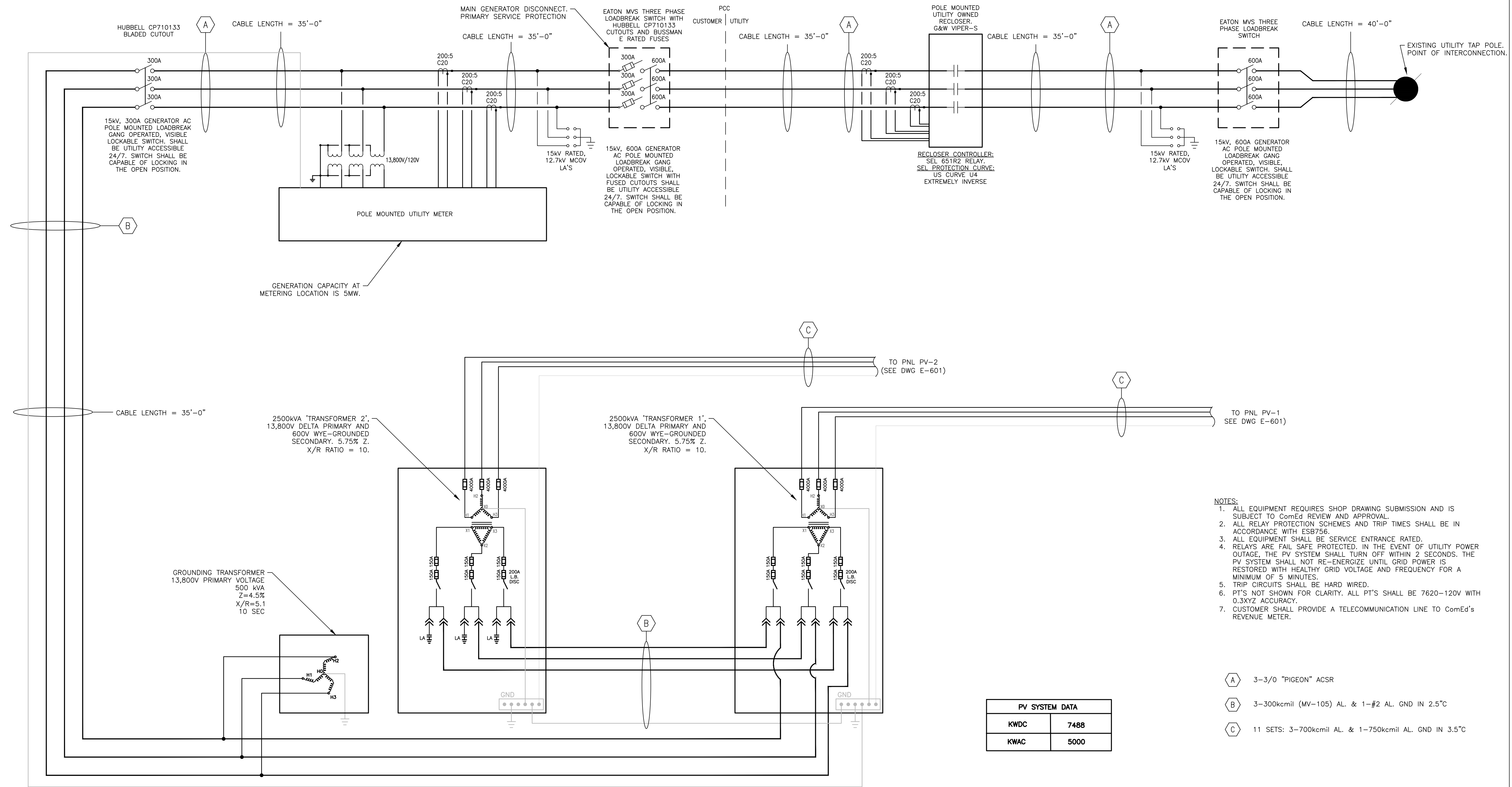
Client/Project
KANESOLAR01 LLC
RUFFOLO SOLAR FACILITY
47W962 RT 38, MAPLE PARK, IL 60151

File Name: E:\01_PV_SYSTEM_DATA.dwg JD MF MK 22.01.07
Dwn. Chkd. Dsgn. YY.MM.DD

Title
PV SYSTEM DATA

Project No. 192510917 Scale REFER TO DWG

Drawing No. E-101 Sheet 3 of 6 Revision



NOTES:

1. ALL EQUIPMENT REQUIRES SHOP DRAWING SUBMISSION AND IS SUBJECT TO ComEd REVIEW AND APPROVAL.
2. ALL RELAY PROTECTION SCHEMES AND TRIP TIMES SHALL BE IN ACCORDANCE WITH ESB756.
3. ALL EQUIPMENT SHALL BE SERVICE ENTRANCE RATED.
4. RELAYS ARE FAIL SAFE PROTECTED. IN THE EVENT OF UTILITY POWER OUTAGE, THE PV SYSTEM SHALL TURN OFF WITHIN 2 SECONDS. THE PV SYSTEM SHALL NOT RE-ENERGIZE UNTIL GRID POWER IS RESTORED WITH HEALTHY GRID VOLTAGE AND FREQUENCY FOR A MINIMUM OF 5 MINUTES.
5. TRIP CIRCUITS SHALL BE HARD WIRED.
6. PT'S NOT SHOWN FOR CLARITY. ALL PT'S SHALL BE 7620-120V WITH 0.3XYZ ACCURACY.
7. CUSTOMER SHALL PROVIDE A TELECOMMUNICATION LINE TO ComEd's REVENUE METER.

- (A) 3-3/0 "PIGEON" ACSR
- (B) 3-300kcmil (MV-105) AL. & 1-#2 AL. GND IN 2.5" C
- (C) 11 SETS: 3-700kcmil AL. & 1-750kcmil AL. GND IN 3.5" C

PV SYSTEM DATA	
KWDC	7488
KWAC	5000

1 SCHEMATIC WIRING DIAGRAM
N.T.S.

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Revision	By	Appd.	YY.MM.DD
C	UTILITY INTERCONNECTION	JD	MF 23.03.30
B	UTILITY INTERCONNECTION	JD	MK 22.06.10
A	UTILITY INTERCONNECTION	JD	MK 22.01.07
Issued			

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RUFFOLO SOLAR FACILITY
47W962 RT 38, MAPLE PARK, IL 60151

File Name: E:600 ELECTRICAL WIRING DIAGRAM.dwg JD MF MK 22.01.07
Dwn. Chkd. Dsgn. YY.MM.DD

Title
ELECTRICAL WIRING DIAGRAM

Project No. 192510917 Scale REFER TO DWG

Drawing No. E-600 Sheet 4 of 6 Revision

4000A, 600V, 3φ, 3W PANEL PV-1
COMPLETE WITH 4000A/3 MCB,
(20) 175A/3 CB'S & (1) 15A/2 CB
IN NEMA 3R ENCLOSURE 65,000AIC.
CAT#SQ-D I LINE PANELBOARD OR
APPROVED EQUAL.

4000A, 600V, 3φ, 3W PANEL PV-2
COMPLETE WITH 4000A/3 MCB,
(20) 175A/3 CB'S IN NEMA 3R
ENCLOSURE 65,000AIC.
CAT#SQ-D I LINE PANELBOARD OR
APPROVED EQUAL.

- INVERTER#1 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#2 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#3 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#4 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#5 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#6 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#7 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#8 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#9 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#10 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#11 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#12 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#13 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#14 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#15 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#16 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#17 - 125kW-600V**
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- INVERTER#18 - 125kW-600V**
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- INVERTER#19 - 125kW-600V**
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10 STRINGS OF 32 MODULES
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TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES

- INVERTER#21 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#22 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#23 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#24 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#25 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#26 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#27 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#28 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#29 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#30 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#31 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#32 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#33 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#34 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#35 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#36 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#37 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#38 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#39 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES
- INVERTER#40 - 125kW-600V**
TRINA TSM-DEG20C.20 - 585W MODULE
10 STRINGS OF 32 MODULES

LOW VOLTAGE DRY TYPE MINI POWER
CENTER, 5kVA, 600V PRIMARY, 120/240V,
1φ SECONDARY, 12 CIRCUIT DISTRIBUTION
SECTION, AUXILIARY POWER.

TO XFMR-1
(SEE DWG E-600)

TO XFMR-2
(SEE DWG E-600)

- C** 11 SETS: 3-700kcmil AL. & 1-750kcmil CU. GND IN 3.5" C
- D** 3-4/0 AL. & 1-#4 CU. GND IN 2" C
- E** 2-#12 AL. & 1-#12 CU. GND IN 1/2" C

1 SCHEMATIC WIRING DIAGRAM
N.T.S.

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 User: jfittzpatrick

Revision	By	Appd.	YY.MM.DD


Issued	By	Appd.	YY.MM.DD
C UTILITY INTERCONNECTION	JD	MF	23.03.30
B UTILITY INTERCONNECTION	JD	MK	22.06.10
A UTILITY INTERCONNECTION	JD	MK	22.01.07

Permit-Seal



Michael T. Fitzpatrick
signature
03-30-2023
date
LICENSE EXPIRES 11-30-2023

Consultants



365 West Passaic Street, Suite 175
Rochelle Park NJ
www.stantec.com

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Client/Project

KANESOLAR01 LLC
RUFFOLO SOLAR FACILITY
47W962 RT 38, MAPLE PARK, IL 60151

File Name: E-601 ELECTRICAL WIRING DIAGRAM.dwg

JD	MF	MK	22.01.07
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title

ELECTRICAL WIRING DIAGRAM

Project No.	Scale	
192510917	REFER TO DWG	
Drawing No.	Sheet	Revision
E-601	5 of 6	

