SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	3,950.96 kW
SYSTEM SIZE AC	2,925.00 kW
DC/AC RATIO	1.35
MODULE MANUFACTURER	JINKO SOLAR
MODULE MODEL	JKM580N-72HL4-BDV
MODULE RATING	580 W
TOTAL MODULE QTY	6812
MODULES PER STRING	26
TOTAL NO. OF STRINGS	262
INVERTER MODEL	SOLECTRIA XGI 1500 225-600
INVERTER RATING	225 kW
INVERTER QTY	13
STEP-UP TRANSFORMER	(1) 2.2MVA, 23kV Grd-Y/ 0.6kV Grd-Y, (1) 1.1MVA, 23kV Grd-Y/ 0.6kV Grd-Y
RACKING	ATI HSAT
AZIMUTH	210°
#TRACKERS WITH 104 MODULES	40
#TRACKERS WITH 81 MODULES	18
#TRACKERS WITH 52 MODULES	24
INTER-ROW SPACING	11.21'
PITCH	18.69'
GCR	40.0%
AREA OCCUPIED	14.49 Ac

GENERAL NOTES

1. CUSTOMER POLE, UTILITY BESS AC DISCONNECT, FUSED, ACCESSIBLE, VISIBLE AND LOCKABLE DISCONNECT. PROVIDE PLACARD STATING "UTILITY BESS AC DISCONNECT".
2. DISCONNECT: WILL BE ACCESSIBLE, LOCKABLE, VISIBLE BLADE DISCONNECT.
3. BESS INSTALLATION TO COMPLY WITH NEC 2023 ARTICLE 690 AND ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES OR REGULATIONS.
4. EQUIPMENT SHALL BE LABELED PER NEC 2023ARTICLE 690.
5. 12' ACCESS DRIVES SHALL BE DESIGNED TO ACCOMMODATE ALL CONSTRUCTION, OPERATIONS, MAINTENANCE AND UTILITY TRAFFIC THROUGHOUT THE SITE.
6. PROVIDE UTILITY 24/7 UNESCORTED KEYLESS ACCESS.
7. ALL EQUIPMENT CLEARANCES AND WORK SPACES SHALL COMPLY WITH NEC 2023 REQUIREMENTS. 12.0'

LEGEND

- 104 MODULES TRACKER ROW
- 78 MODULES TRACKER ROW
- 52 MODULES TRACKER ROW
- EQUIPMENT PAD
- STRING INVERTER
- 12' WIDE SITE ACCESS ROAD
- EXISTING ROADS
- PROPERTY LINE
- SETBACK
- MV — MV — U.G. MEDIUM VOLTAGE CABLE
- OHE — (E)UTILITY CIRCUIT
- OE — (N)UTILITY CIRCUIT
- X — PROJECT SITE SECURITY FENCE
- BUIDABLE AREA



1 ARRAY PLAN
SCALE:1"=75'

N

US SOLAR

PROJECT:

USS STAUNTON SOLAR LLC

PROJECT ADDRESS:

QUICK'S MILL RD
VERONA
VA 24482

LAT: 38.212610°
LON: -79.026510°

REV. NO	DESCRIPTION	DATE
10	PRELIMINARY	04/14/26
9	PRELIMINARY	04/09/26

SHEET TITLE:

PRELIMINARY LAYOUT

DRAWING NO.:

DRAWN BY: LR

REVIEWED BY:

DATE: 04/14/26

SCALE: AS SHOWN

PROJECT NO.:



1 SITE LOCATION
SCALE:1"=1000'

N

US SOLAR

PROJECT:

USS
STAUNTON
SOLAR LLC

PROJECT ADDRESS:

QUICK'S MILL RD
VERONA
VA 24482

LAT: 38.212610°
LON: −79.026510°

REV. NO	DESCRIPTION	DATE
10	PRELIMINARY	04/14/26
9	PRELIMINARY	04/09/26

SHEET TITLE:

SITE LOCATION

DRAWING NO.:

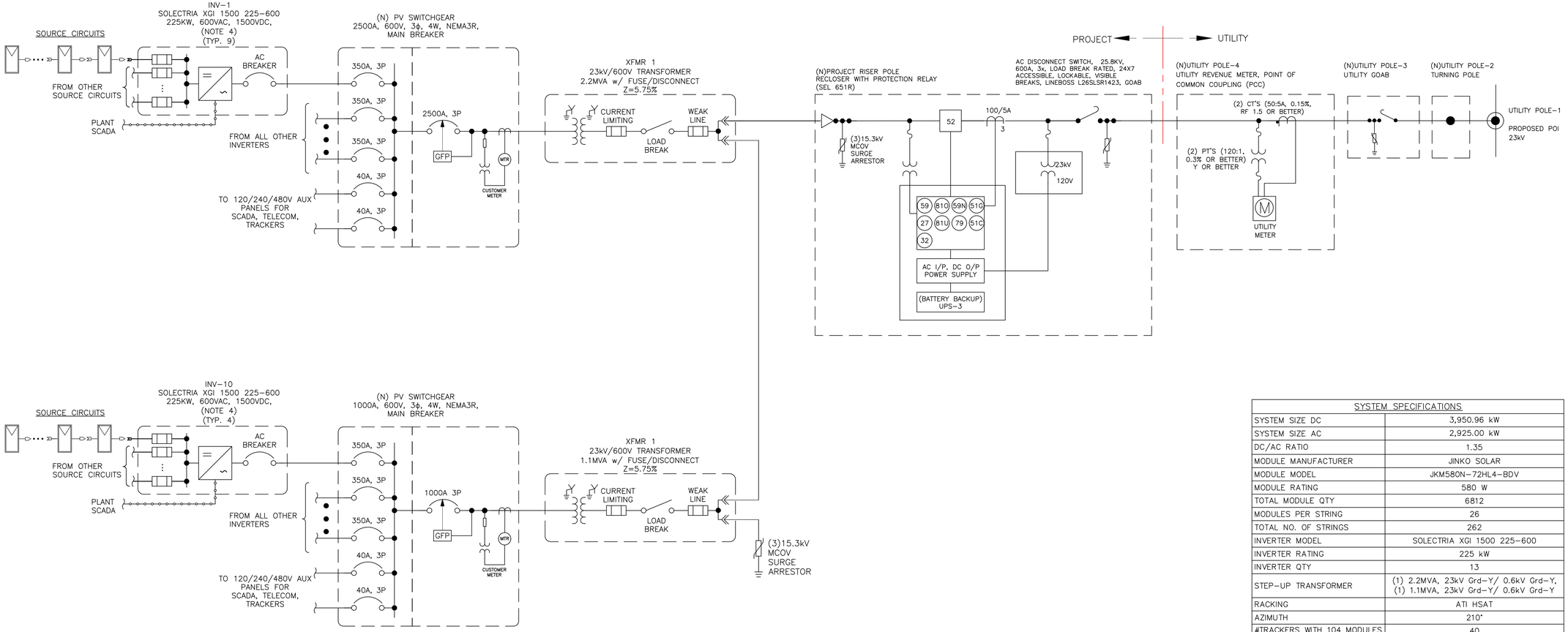
DRAWN BY: LR

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SCALE: AS SHOWN

PROJECT NO.:



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UTILITY INFORMATION	
UTILITY NAME	AMEREN
INTERCONNECT VOLTAGE	23kV

NOTES:

1. AC MV CIRCUITS SHALL BE INSTALLED AND INTERCONNECTED WITH UTILITY, PER UTILITY SPECIFICATIONS.
2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST AHJ APPROVED EDITION OF NATIONAL ELECTRIC CODE.
3. ALL DC AND AC EQUIPMENT, WHERE APPLICABLE, SHALL BE LISTED AND LABELED PER RECOGNIZED ELECTRICAL TESTING LABORATORY AND INSTALLED PER THE LISTING REQUIREMENTS, THE MANUFACTURER'S INSTRUCTIONS & IN ACCORDANCE WITH NEC.
4. RECLOSER CONTROL SETTINGS TO BE COORDINATED WITH UTILITY AND CONTRACTOR.
5. RELAY TO BE PROVIDED WITH 8-HOUR BATTERY BACK-UP.
6. UTILITY RIG, METER, WEATHER STATION AND ASSOCIATED COMMUNICATIONS EQUIPMENT TO BE PROVIDED WITH BATTERY BACK-UP PER UTILITY REQUIREMENTS.
7. ALL BREAKERS AND DISCONNECT SWITCHES ARE CLOSED UNDER NORMAL OPERATING CONDITIONS UNLESS OTHERWISE NOTED.
8. THIS DRAWING REPRESENTS A CONCEPTUAL INTERCONNECTION SCHEME. THE INTENT IS TO COMMUNICATE PROJECT SPECIFIC EQUIPMENT, SIZE AND NEGOTIATE THE INTERCONNECTION DETAILS WITH THE UTILITY. THIS DRAWING HAS NOT BEEN ISSUED FOR CONSTRUCTION PURPOSES. THE DEVELOPER OR CONTRACTOR IS RESPONSIBLE FOR ENSURING A SYSTEM DESIGN IS COMPLETE AND APPROVED BY AN APPROPRIATELY LICENSED ENGINEER PRIOR TO PROCUREMENT AND CONSTRUCTION.
9. INVERTERS ARE IEEE 1547 COMPLIANT AND UL 1741 SA LISTED. COMPLIANT 25, 27, 51N, 51V, 59, 81.

NOT FOR CONSTRUCTION, FOR IA DISCUSSION ONLY.

US SOLAR

PROJECT:

USS STAUNTON SOLAR LLC

PROJECT ADDRESS:

QUICK'S MILL RD
VERONA
VA 24482

LAT: 38.212610°
LON: -79.026510°

REV. NO	DESCRIPTION	DATE
10	PRELIMINARY	04/14/26
9	PRELIMINARY	04/09/26

SHEET TITLE:

SINGLE LINE DIAGRAM

DRAWING NO.:

DRAWN BY: LR

REVIEWED BY:

DATE: 04/14/26

SCALE: AS SHOWN

PROJECT NO.: