

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	3,093.39 kW
SYSTEM SIZE AC	1,998.00 kW
DC/AC RATIO	1.55
MODULE MANUFACTURER	JINKO SOLAR
MODULE MODEL	JKM570M-72HL4-TV
MODULE RATING	570 W
TOTAL MODULE QTY	5,427
MODULES PER STRING	27
TOTAL NO. OF STRINGS	201
INVERTER MANUFACTURER	GINLONG SOLIS
INVERTER MODEL	SOLIS 185K EHV 5G US-PLUS
INVERTER RATING	166.50 kW*
INVERTER QTY	12
NO. OF STRINGS PER INVERTER	16, 17
STEP-UP TRANSFORMER	13.8KV/600V, 2198KVA
RACKING	ATI HSAT
TILT ANGLE	0°
TOTAL NO. TRACKER ROW WITH 108 MODULES	48
TOTAL NO. TRACKER ROW WITH 81 MODULES	3
INTER-ROW SPACING	11.2'
PITCH	18.7°
GCR	40%
AREA OCCUPIED	10.52 AC
* INVERTERS ARE TO BE FACTORY PROGRAMMED TO OUTPUT 166.50KW MAX.	

BESS SPECIFICATIONS	
MANUFACTURER	SYL BATTERY CO., LTD
RATED POWER	1,360 kW
CAPACITY	2723.84 kWh
MODEL	SU340U170K

- GENERAL NOTES**
- CUSTOMER POLE. UTILITY AC DISCONNECT, FUSED, ACCESSIBLE, VISIBLE AND LOCKABLE DISCONNECT. PROVIDE PLACARD STATING "UTILITY AC DISCONNECT".
 - DISCONNECT: WILL BE ACCESSIBLE, LOCKABLE, VISIBLE BLADE DISCONNECT.
 - PV INSTALLATION TO COMPLY WITH NEC 2020 ARTICLE 690 AND ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES OR REGULATIONS.
 - EQUIPMENT SHALL BE LABELED PER NEC 2020 ARTICLE 690.
 - 12' ACCESS DRIVES SHALL BE DESIGNED TO ACCOMMODATE ALL CONSTRUCTION, OPERATIONS, MAINTENANCE AND UTILITY TRAFFIC THROUGHOUT THE SITE.
 - PROVIDE UTILITY 24/7 UNESCORTED KEYLESS ACCESS.
 - ALL EQUIPMENT CLEARANCES AND WORK SPACES SHALL COMPLY WITH NEC 2020 REQUIREMENTS.

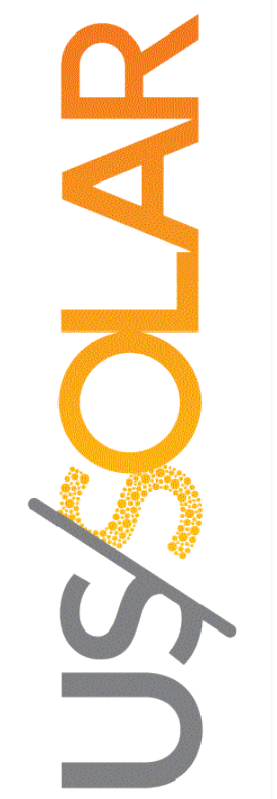
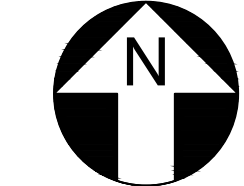
ADJACENT PROPERTIES		
APN	OWNER	ACREAGE
0215300009	DOLORES NOE	8.38
0215300005	SUSAN FUJINAGA-SPANIO	1.71
0215100004	ANN. R DEFENBAUGH TRUST	155.94
0215400006	MATHEW HOLLAND	27
0222100003	SHARON LOUDON	80
0215300002	JACOB FRIESEMA JR. TRUST	33

ACREAGE BREAKOUT	
CROPLAND	35.44 Ac
TIMBER	22.61 Ac
TOTAL	58.05 Ac

LEGEND	
	108 MODULES TRACKER ROW
	81 MODULES TRACKER ROW
	(1) 600V 3000A PANELBOARD
	POWER STATION - (1) MV TRANSFORMER, (1) DAS, (1) WEATHER STATION
	STRING INVERTER
	12' WIDE SITE ACCESS ROAD
	EXISTING ROADS
	PROPERTY LINE
	SETBACK
	U.G. MEDIUM VOLTAGE CABLE
	UTILITY CIRCUIT
	PROJECT SITE SECURITY FENCE
	TIMBER LINE
	LANDSCAPE BUFFER
	EXISTING STRUCTURES
	STORM WATER BASIN



1 ARRAY PLAN
SCALE: 1" = 175'



PROJECT:

USS MAN
SOLAR LLC

PROJECT ADDRESS:

E 3000 N RD,
MANVILLE, IL 61319

LAT: 41.063296°
LON: -88.747629°

REV. NO.	DESCRIPTION	DATE
0	PRELIMINARY	08/08/23

SHEET TITLE:

PRELIMINARY
LAYOUT

DRAWING NO.:

PV-100

DRAWN BY:

LR

REVIEWED BY:

DATE:

08/08/23

SCALE:

AS SHOWN

PROJECT NO.: