

Scale For Microfilming
Millimeters
Inches

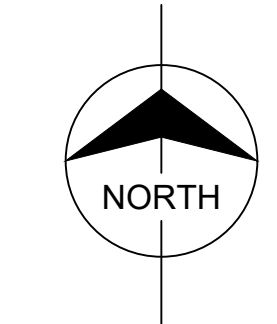
SYSTEM DESCRIPTION	
TOTAL CAPACITY @ POI (AC)	120.00 MW
SOLAR NAMEPLATE CAPACITY (AC)	127.60 MVA
SOLAR CAPACITY (DC)	150.60 MW
DC:AC RATIO @ POI	1.25
AC COLLECTION SYSTEM VOLTAGE	34,500 kV
DC SYSTEM VOLTAGE	1,500 V
TOTAL MODULES	237,162
MODULES PER STRING	29
AVERAGE STRINGS PER INVERTER	282
TOTAL INVERTERS	29

DESIGN PARAMETERS	
GROUND COVER RATIO	36%
RACKING	SINGLE AXIS TRACKER
ROW TO ROW SPACING	21.73'
PV AREA	834 ACRES
SETBACKS	50' MIN. FROM SITE BOUNDARY 50' MIN. FROM STREAMS/WETLANDS 20' MIN. FROM RIGHTS-OF-WAY 50' MIN. FROM KARST FEATURES 300' FROM RESIDENCES

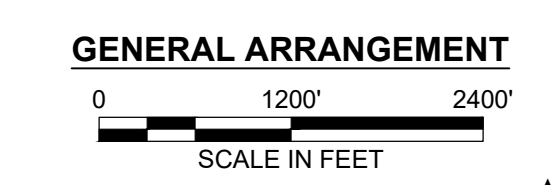
MODULE PARAMETERS	
MANUFACTURER	CANADIAN SOLAR
MODEL	CS7N-635MB-AG
BIN CLASS	635 W

INVERTER PARAMETERS	
MANUFACTURER	SUNGROW
MODEL	SG4400UD-MV-20
RATING	4,400 kVA

- NOTE:**
1. THIS DRAWING IS CONCEPTUAL IN NATURE AND FOR PLANNING PURPOSES ONLY.
 2. THIS DRAWING REPRESENTS ONE PROPOSED LAYOUT AND IS SUBJECT TO CHANGE BASED ON DETAILED DESIGN, AS WELL AS ACTUAL SITE CONDITIONS.
 3. THIS DRAWING DOES NOT CONSIDER FEDERAL, STATE, OR OTHER LOCAL DEVELOPMENT REGULATION, WHICH MAY IMPACT THE PROPOSED LAYOUT.
 4. THE PROPOSED LAYOUT IS BASED ON AERIAL IMAGE AND IS SUBJECT TO CHANGE BASED ON BOUNDARY SURVEY (ALTA).
 5. THE SITE LAYOUT DOES NOT TAKE INTO CONSIDERATION THE FLOOD ZONE, TRANSMISSION EASEMENTS OR OTHER EASEMENTS.
 6. TREE CLEARING FOR BATS NEED PRIOR NOTIFICATION TO LKE/EA AND SHOULD BE AVOIDED DURING JUNE/JULY IF POSSIBLE.



PRELIMINARY - NOT FOR CONSTRUCTION



no.	date	by	ckd	description	no.	date	by	ckd	description
D	05/02/24	PSD	SH	ISSUED FOR REVIEW					
C	05/01/24	PSD	SH	ISSUED FOR REVIEW					
B	01/18/24	PSD	SH	ISSUED FOR REVIEW					
A	01/15/24	PSD	SH	ISSUED FOR REVIEW					

BURNS MCDONNELL
9400 WARD PARKWAY
KANSAS CITY, MO 64114
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Burns & McDonnell Engineering Co., Inc.
Firm Reg. No. 43

designed: S. HIBBARD
detailed: P. DURKEE



MERCER COUNTY, KY

MERCER COUNTY SOLAR FACILITY GENERAL ARRANGEMENT	
project	contract
157644	-
drawing	rev.
EP101 - D	
sheet	of sheets
file	157644EP101-2Mile.dwg