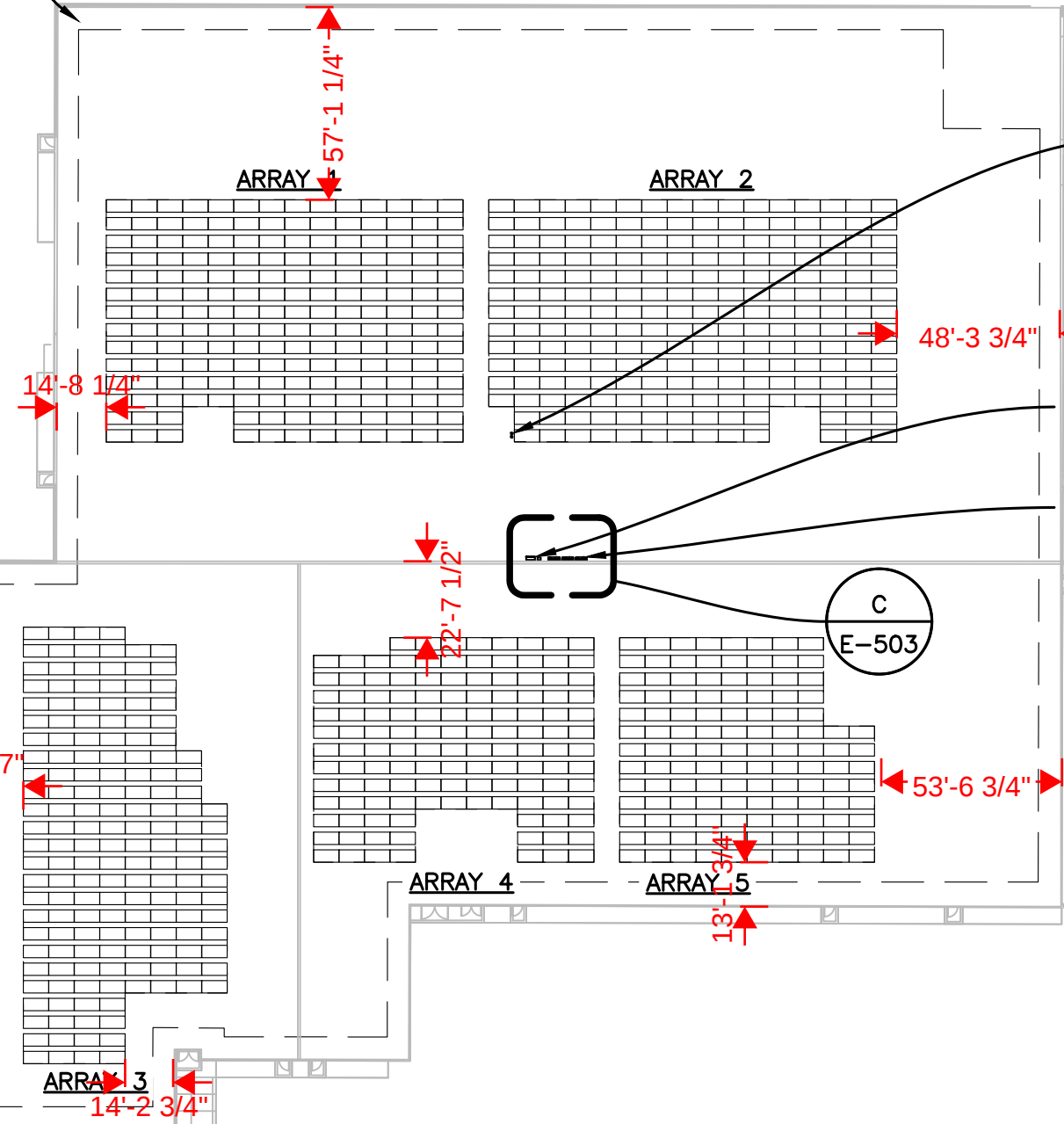


STOLTZMAN ROAD (CSAH 16)

(E) UTILITY TRANSFORMER
(E) UTILITY METERING CABINET
POINT OF INTERCONNECTION FOR PV SYSTEM
LOCATED ADJACENT TO UTILITY TRANSFORMER
(N) UTILITY PRODUCTION METER
(N) PV UTILITY AC DISCONNECT

6' FIRE SETBACK, TYP.



(N) IRRADIANCE SENSOR, (N) AMBIENT TEMPERATURE
SENSOR & (N) MODULE TEMPERATURE SENSOR
(N) PANELBOARD "DP-PV1-1" &
(N) SOLAREEDGE DATALOGGER
(N) SOLAREEDGE SE120KUS (SE-TRI-US00IBNS4) INVERTERS #1-#3

(N) PANELBOARD "DP-PV1"
(N) UTILITY PRODUCTION METER
(N) PV UTILITY AC DISCONNECT

(N) GROUNDING TRANSFORMER "T-PV"

(E) UTILITY TRANSFORMER

(E) UTILITY METERING CABINET
POINT OF INTERCONNECTION FOR PV SYSTEM
LOCATED ADJACENT TO UTILITY TRANSFORMER

POINT OF INTERCONNECTION PLAN
SCALE: 1/4" = 1'-0"

01 SITE PLAN

SCALE: 1" = 50'-0"

MODULE COUNTS AND RATINGS PER ARRAY

ARRAY	TYPE	MODULE TYPE	MODULE DIMENSIONS	MODULE RATING	AZIMUTH	TILT	MODULES	PV OPTIMIZER STRINGS	SPARE MODULES	TOTAL MODULES	KWDC	KWAC
ARRAY 1	ROOFTOP	JA SOLAR JAM72D30-550/MB	89.69"x44.65"x1.38"	550W	180°	10°	192	8	0	192	105.60KWDC	360.00KWAC
ARRAY 2	ROOFTOP	JA SOLAR JAM72D30-550/MB	89.69"x44.65"x1.38"	550W	180°	10°	218	8	0	218	119.90KWDC	
ARRAY 3	ROOFTOP	JA SOLAR JAM72D30-550/MB	89.69"x44.65"x1.38"	550W	180°	10°	165	7	0	165	90.75KWDC	
ARRAY 4	ROOFTOP	JA SOLAR JAM72D30-550/MB	89.69"x44.65"x1.38"	550W	180°	10°	128	11	0	128	70.40KWDC	
ARRAY 5	ROOFTOP	JA SOLAR JAM72D30-550/MB	89.69"x44.65"x1.38"	550W	180°	10°	120		0	120	66.00KWDC	
MODULES PER PV OPTIMIZER STRING				23 - 26	TOTALS		823	34	0	823	452.65KWDC	360.00KWAC

GENERAL NOTES

- (823) JA SOLAR JAM72D30-550/MB 550W MODULES.
- (3) SOLAREEDGE SE120KUS (SE-TRI-US00IBNS4) INVERTERS.
- (823) SOLAREEDGE C65IU OPTIMIZERS.
- PANELCLAW CLAWFRPLUS 10 DEGREE MODULE RACKING.
- CONTRACTOR TO ENSURE THAT THE PHOTOVOLTAIC ARRAY AND ASSOCIATED EQUIPMENT MEET FIRE CODE.
- INVERTERS COMPLY WITH RAPID SHUTDOWN PER NEC ART. 690.12.
- REFERENCE STRUCTURAL DRAWINGS FOR ARRAY DIMENSIONS.
- EQUIPMENT LABELS SHALL BE IN ACCORDANCE WITH NEC 690 AND XCEL ENERGY STANDARDS.
- A PERMANENT PLAQUE OR DIRECTORY SHALL BE INSTALLED PROVIDING THE LOCATION OF THE AC DISCONNECTING MEAN IF NOT WITHIN 10' OF THE MAIN SERVICE IN COMPLIANCE WITH NEC 690.56(B).
- ALL XCEL ENERGY EQUIPMENT IS 24/7 UNESCORTED KEYLESS ACCESS.
- NO OVERHEAD POWER LINES IN THE VICINITY.

KEYNOTES

- LOCATED ON NORTH-FACING WALL AT ROOF.
- CONTRACTOR TO ENSURE IRRADIANCE SENSOR HAS A CLEAR AND UNOBSTRUCTED VIEW OF THE SKY, FREE FROM ANY OBJECTS THAT COULD CAST SHADOWS OR BLOCK SUNLIGHT.

Mccalmont Engineering
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1500 ELLIOTT AVE
CAMPBELL, CA 95008
www.mccalmont.net

REV.	DATE	DESCRIPTION
0	07/01/25	PERMIT SUBMITTAL
1	07/28/25	UTILITY COMMENTS

McKinstry
MCKINSTRY
1600 UTICA AVE S 9TH FLOOR,
OFFICE NO. 134
ST. LOUIS PARK, MN 55416
P: (763) 767-0304

SITE PLAN
19505 STOLTZMAN ROAD
MANKATO TOWNSHIP, MN 56001

PROJECT NAME	BLUE EARTH COUNTY PUBLIC WORKS FACILITY
DESIGNER	MCCALMONT ENGINEERING
DRAWN BY	J. BAGLIETTO
CHECKED BY	N. LOVGREN
DATE	03/10/2025
SCALE	E-100.500
AS NOTED	
DATE	07/28/2025
PROJECT NAME	MCCALMONT
PROJECT NO.	1234-02766
SHEET SIZE	24" X 36"

Professional Engineer
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.
Signature: J. Baglietto
Title: Professional Engineer
Date: 07/28/2025
License Number: 58593