NEW PHOTOVOLTAIC GROUND MOUNTED SYSTEM - 34.440 KW DC/24.360 KW AC
14928 108TH ST S, HASTINGS, MN 55033

NEW PV SYSTEM SPECIFICATIONS

SYSTEM SIZE:	DC SIZE: 34.440 KW DC-(STC) AC SIZE: 24.360 KW AC
MODULE:	(84) QCELL Q.PEAK DUO BLK ML-G10+/TS 410
INVERTER:	(84) ENPHASE IQ8PLUS-72-2-US [240V]

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES:
2020 MINNESOTA BUILDING CODE
2020 MINNESOTA RESIDENTIAL CODE
2020 MINNESOTA STATE FIRE CODE
2023 NATIONAL ELECTRICAL CODE
AS ADOPTED BY DENMARK TOWNSHIP

DESIGN CRITERIA

GROUND SNOW LOAD: 50 PSF
WIND SPEED: 110 MPH
WIND EXPOSURE: B
RISK CATEGORY: I

UTILITY HAS 24/7 UNESCORTED KEYLESS ACCESS TO ALL METERS AND DISCONNECTS

SCOPE OF WORK

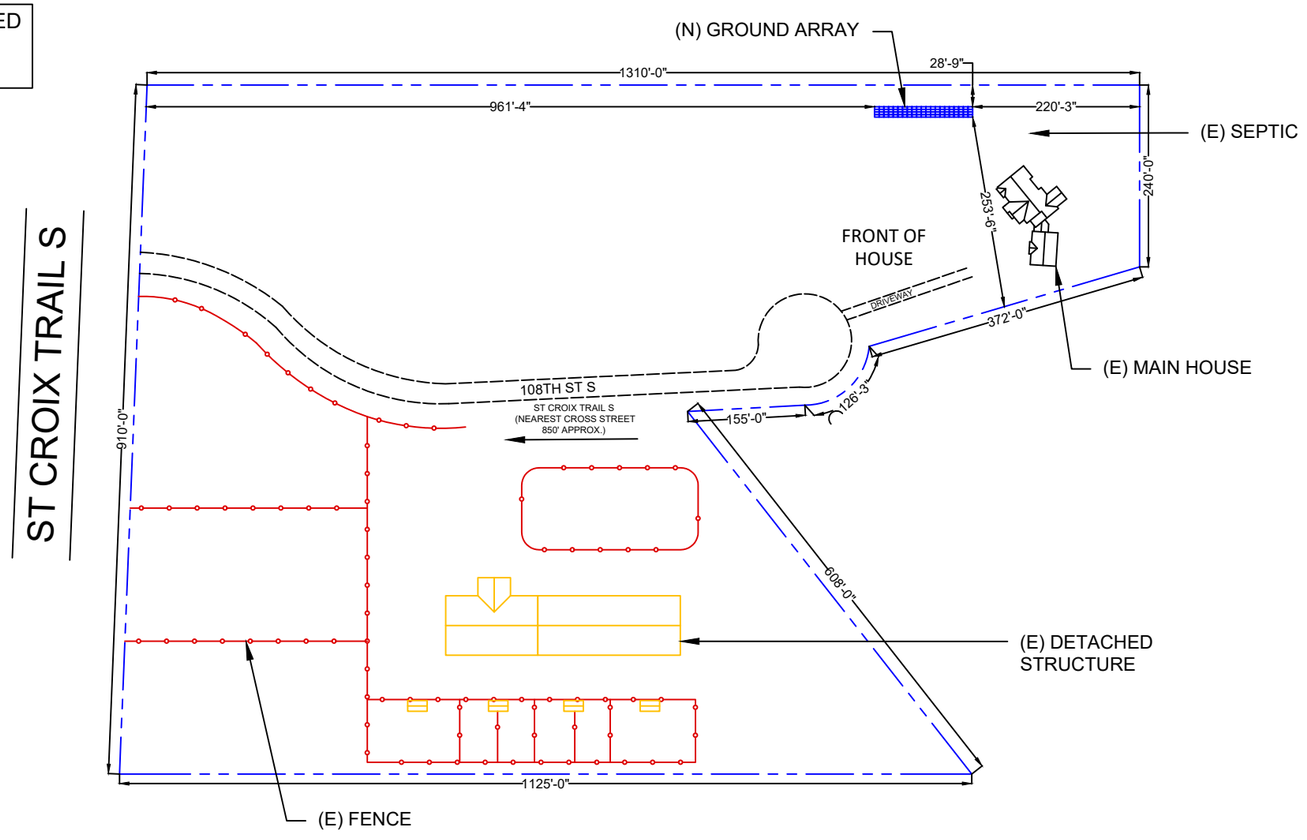
1.2.1 CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTION OF EXISTING ONSITE CONDITIONS TO DESIGN, SPECIFY, AND INSTALL THE GROUND-MOUNTED PHOTOVOLTAIC SYSTEM DETAILED IN THIS DOCUMENT

NOTE:

1. THIS DRAWING IS FOR ILLUSTRATIVE PURPOSES ONLY!
2. ALL TESTING SHALL BE PERFORMED BY QUALIFIED PERSONNEL, WITH PROPER PERSONAL PROTECTIVE EQUIPMENT
3. THE AC DISCONNECT SHOULD BE LOCATED TOGETHER IN A READILY ACCESSIBLE LOCATION WITHIN 10' OF THE MAIN SERVICE METER
4. 24/7 UNESCORTED KEYLESS ACCESS SHALL BE PROVIDED FOR THE UTILITY METER AND AC DISCONNECT

PROJECT NOTES

1.1.1 THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH THE RELEVANT YEAR OF THE NATIONAL ELECTRIC CODE (NEC), ALL MANUFACTURER'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION'S (AHJ) APPLICABLE CODES.
1.1.2 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND THE PV SYSTEM MUST BE INSPECTED PRIOR TO OPERATION
1.1.3 ALL PV SYSTEM COMPONENTS; MODULES, UTILITY-INTERACTIVE INVERTERS, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIED AND LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY NEC AND OTHER GOVERNING CODES
1.1.4 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.



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1 PV-01 PROPERTY PLAN

SCALE:1"-200'-0"

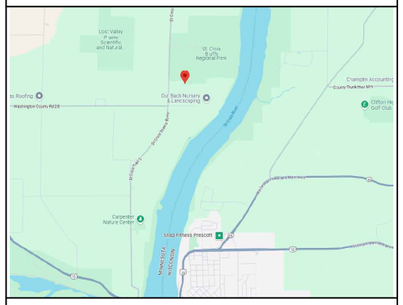
SHEET INDEX

PV-01	COVER PAGE
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PV-03	ATTACHMENT PLAN & DETAILS
PV-04	ELECTRICAL DIAGRAM
PV-05	NOTES
PV-06	WARNING LABELS
PV-07	INSTALLATION RESOURCE
EQUIPMENT DATASHEETS ATTACHED	

LEGEND

- PROPERTY LINE
- FENCE LINE

VICINITY MAP



SATELLITE MAP



CONTRACTOR

NORTH PEAK SOLAR

2821 GREENWALD IS NW,
OAK GROVE, MN 55011

LIC. NO. - BC807666

PROJECT NAME & ADDRESS

TODD KELM

14928 108TH ST S,
HASTINGS, MN 55033
APN #: 2802720410004

AHJ: DENMARK TOWNSHIP
UTILITY: XCEL ENERGY

SYSTEM DETAILS

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REVISIONS

REV	DESCRIPTION	DATE

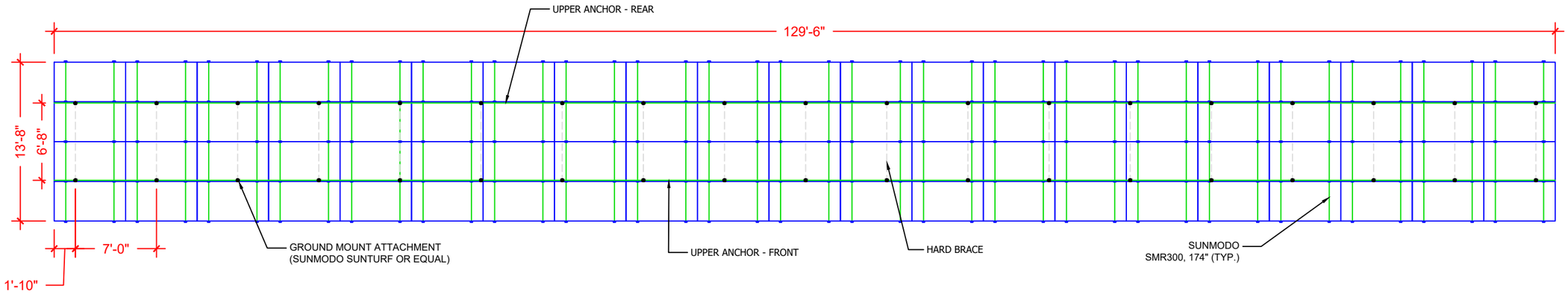
SHEET TITLE

COVER PAGE

DRAWN DATE	1/5/2025
DRAWN BY	TSD

SHEET NUMBER

PV-01

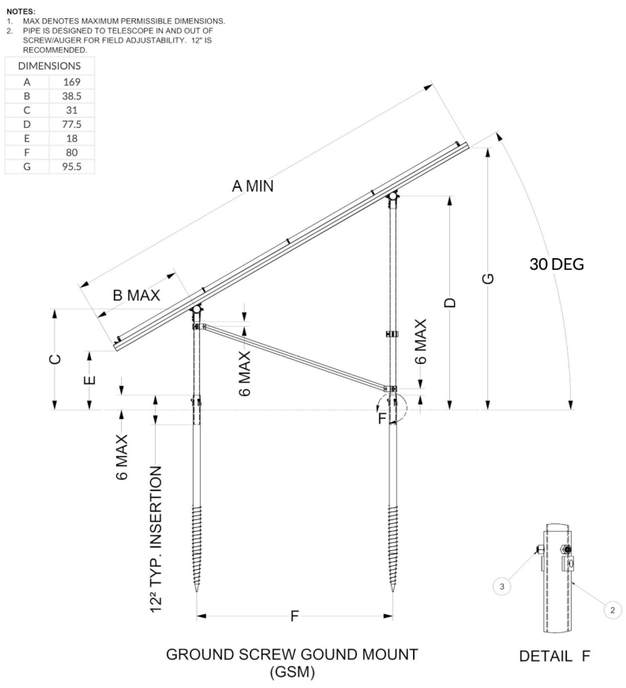


1 PV-03

TOP VIEW

Scale: NTS

NOTE:
1. PLEASE REFER TO MANUFACTURER RACKING REPORT ATTACHED TO END OF PLAN SET FOR MORE DETAILS REGARDING GROUND MOUNT RACKING
2. GRADING TO BE VERIFIED TO MATCH SPECIFICATIONS OF MANUFACTURER RACKING REPORT



2 PV-03

SIDE VIEW

Scale: NTS

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ATTACHMENT PLAN & DETAILS

DRAWN DATE	1/5/2025
DRAWN BY	TSD

SHEET NUMBER

PV-03