

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.

ARRAY 1

ARRAY 2

(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

C
E-503

ARRAY 4

ARRAY 5

ARRAY 3

195TH STREET (CSAH 90)

01 SITE PLAN

SCALE: 1" = 50'-0"

POINT OF INTERCONNECTION PLAN

SCALE: 1/4" = 1'-0"

(N) GROUNDING TRANSFORMER "T-PV"

(E) UTILITY TRANSFORMER

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

(N) PANELBOARD "DP-PV1"

(N) UTILITY PRODUCTION METER
(N) PV UTILITY AC DISCONNECT

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.

