

YORKTOWN RNC CANOPY SOLAR

697.9 KW-DC SOLAR PV SYSTEM
2300 CATHERINE STREET
YORKTOWN, NY 10598



ECOGY ENERGY

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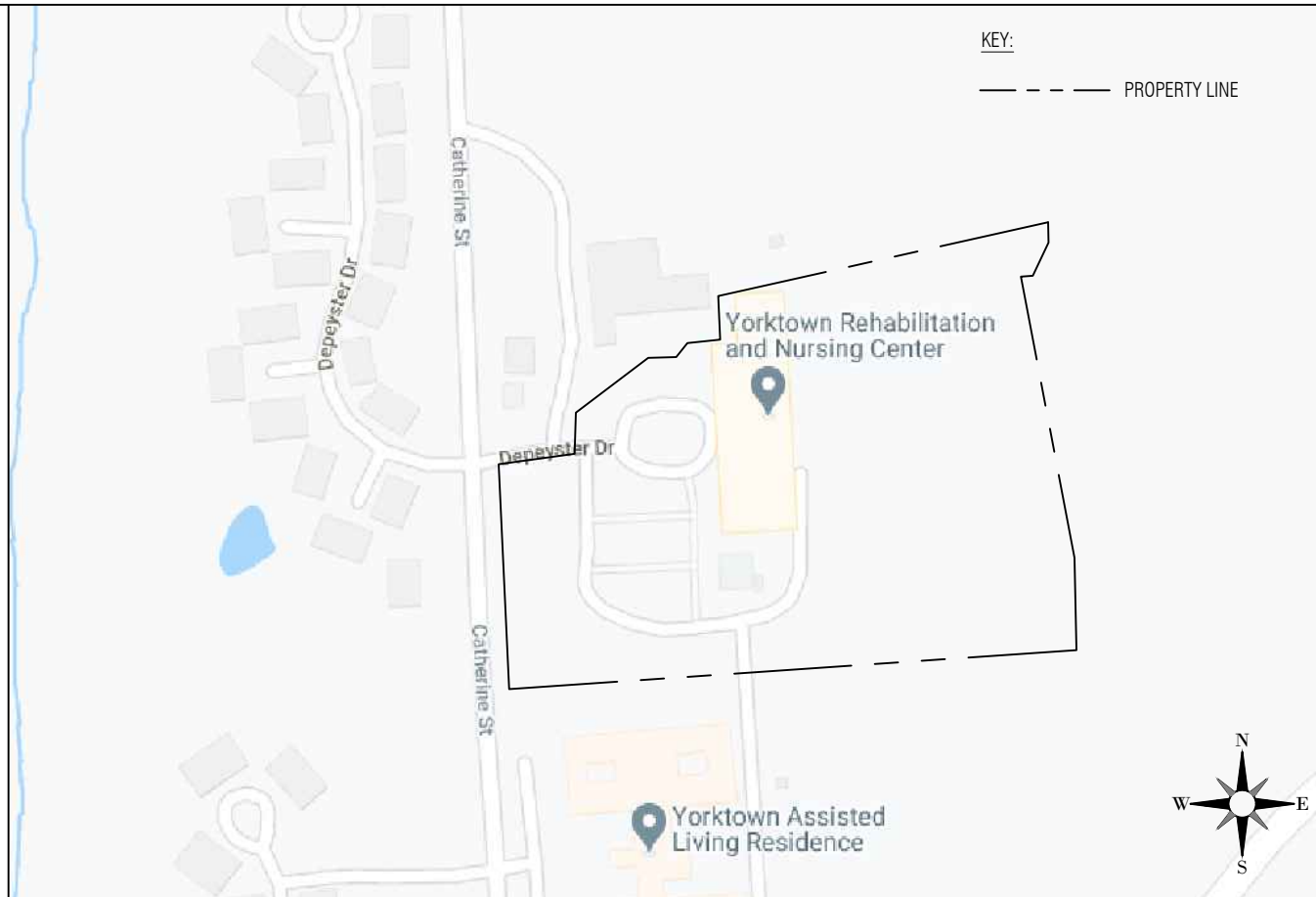
Project Name:
**YORKTOWN RNC
697.9 KW-DC PV SYSTEM
548 kWh ENERGY STORAGE**

Project Site:
**2300 CATHERINE STREET
YORKTOWN, NY 10598**

Account No: xxxxx
New Service Case #: xxxxx

LOCATION MAP

SCALE: NTS



SATELLITE MAP

SCALE: NTS



SCOPE OF WORK:

TO INSTALL A SOLAR PHOTOVOLTAIC (PV) SYSTEM LOCATED ON THE GROUND WITH THE POWER GENERATED BY THE PV SYSTEM WILL BE INTERCONNECTED WITH THE UTILITY GRID.

THE PV SYSTEM DOES NOT INCLUDE STORAGE BATTERIES.

SYSTEM SUMMARY:

697.9 kW DC / 466.6 kW-AC
TILT ANGLE = 7°
AZIMUTH = 177,267°

EQUIPMENT:

MODULES:
1420 - TRINA 485W MODULE

INVERTERS:
(4) - SOLAREEDGE SE100 K-US INVERTERS
(1) - SOLAREEDGE SE66.6 K-US INVERTERS

RACKING:
T.B.D.

DAS:
ECOGY ECONODE

ENERGY STORAGE:
SUNGROW ST548
548 kWh
250 KVA

SITE SPECIFICATIONS:

WIND EXPOSURE:
CATEGORY X

DESIGN WIND SPEED:
XXX

GROUND SNOW LOAD:
XXX PSF

BUILDING OCCUPANCY:
XXX

#	REVISION DESCRIPTION	DATE	BY

Professional Stamp

SHEET NAME:

TITLE SHEET

PROJECT NUMBER: XXXX	DRAWN BY: DQP	CHECKED BY: ---
DATE: 06/25/2021	DWG. NUMBER: G-001	
SHEET NUMBER: - of -		

DRAWING LIST

DWG. NO.	DRAWING TITLE
G-001	TITLE SHEET
PV-100	SITE PLAN
PV-200	CANOPY ELEVATIONS
PV-200.1	CANOPY ELEVATIONS
L-100	TREE WORK PLAN

REVIEW PLAN SET
ISSUE DATE: 09/21/2021

UTILITY EQUIPMENT KEY:

(1)	NEW 1000 KVA TRANSFORMER 13.8 KV / 480 V (UTILITY OWNED TO BE CONFIRMED)
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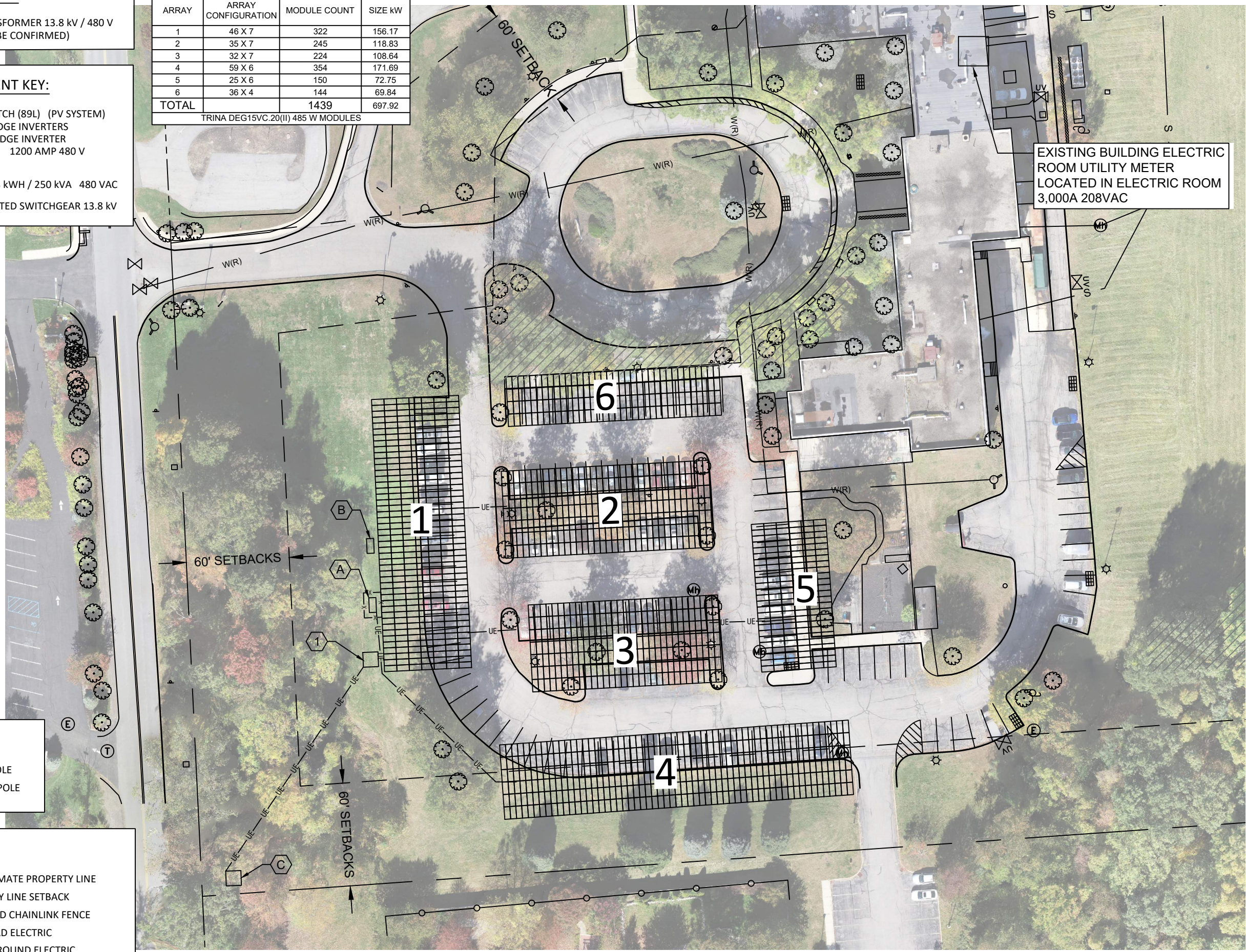
CUSTOMER EQUIPMENT KEY:

(A)	AC DISCONNECT SWITCH (89L) (PV SYSTEM) (4) SE100kW SOLAREEDGE INVERTERS (1) SE66.6kW SOLAREEDGE INVERTER AC COMBINER PANEL 1200 AMP 480 V DAS
(B)	BATTERY SYSTEM 548 KWH / 250 KVA 480 VAC
(C)	EXISTING PAD MOUNTED SWITCHGEAR 13.8 KV

ARRAY LEGEND

ARRAY	ARRAY CONFIGURATION	MODULE COUNT	SIZE KW
1	46 X 7	322	156.17
2	35 X 7	245	118.83
3	32 X 7	224	108.64
4	59 X 6	354	171.69
5	25 X 6	150	72.75
6	36 X 4	144	69.84
TOTAL		1439	697.92

TRINA DEG15VC.20(II) 485 W MODULES



SYMBOLS LEGEND:

(Symbol: circle with dot)	EXISTING UTILITY POLE
(Symbol: circle with cross)	PROPOSED UTILITY POLE

LINETYPE LEGEND:

(Symbol: dashed line)	APPROXIMATE PROPERTY LINE
(Symbol: solid line)	PROPERTY LINE SETBACK
(Symbol: line with 'x' markers)	PROPOSED CHAINLINK FENCE
(Symbol: line with 'OE' markers)	OVERHEAD ELECTRIC
(Symbol: line with 'UE' markers)	UNDERGROUND ELECTRIC
(Symbol: dotted line)	APPROXIMATE WETLAND BOUNDARY
(Symbol: dashed line with dashes)	WETLAND 100' BUFFER



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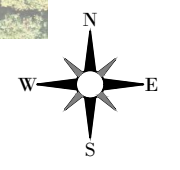
Project Site:
**2300 CATHERINE STREET
YORKTOWN, NY 10598**

Account No: xxxxx
New Service Case #: xxxxx

BY	DATE	REVISION DESCRIPTION	#

Professional Stamp

PRELIMINARY



SHEET NAME:
SITE MAP

PROJECT NUMBER: XXXX	DRAWN BY:	CHECKED BY:
DATE: 11/16/2020	DWG. NUMBER:	
SHEET NUMBER: - of -	PV-100	



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697.9 kW-DC PV SYSTEM
548 kWh ENERGY STORAGE**

Project Site:
**2300 CATHERINE STREET
YORKTOWN, NY 10598**

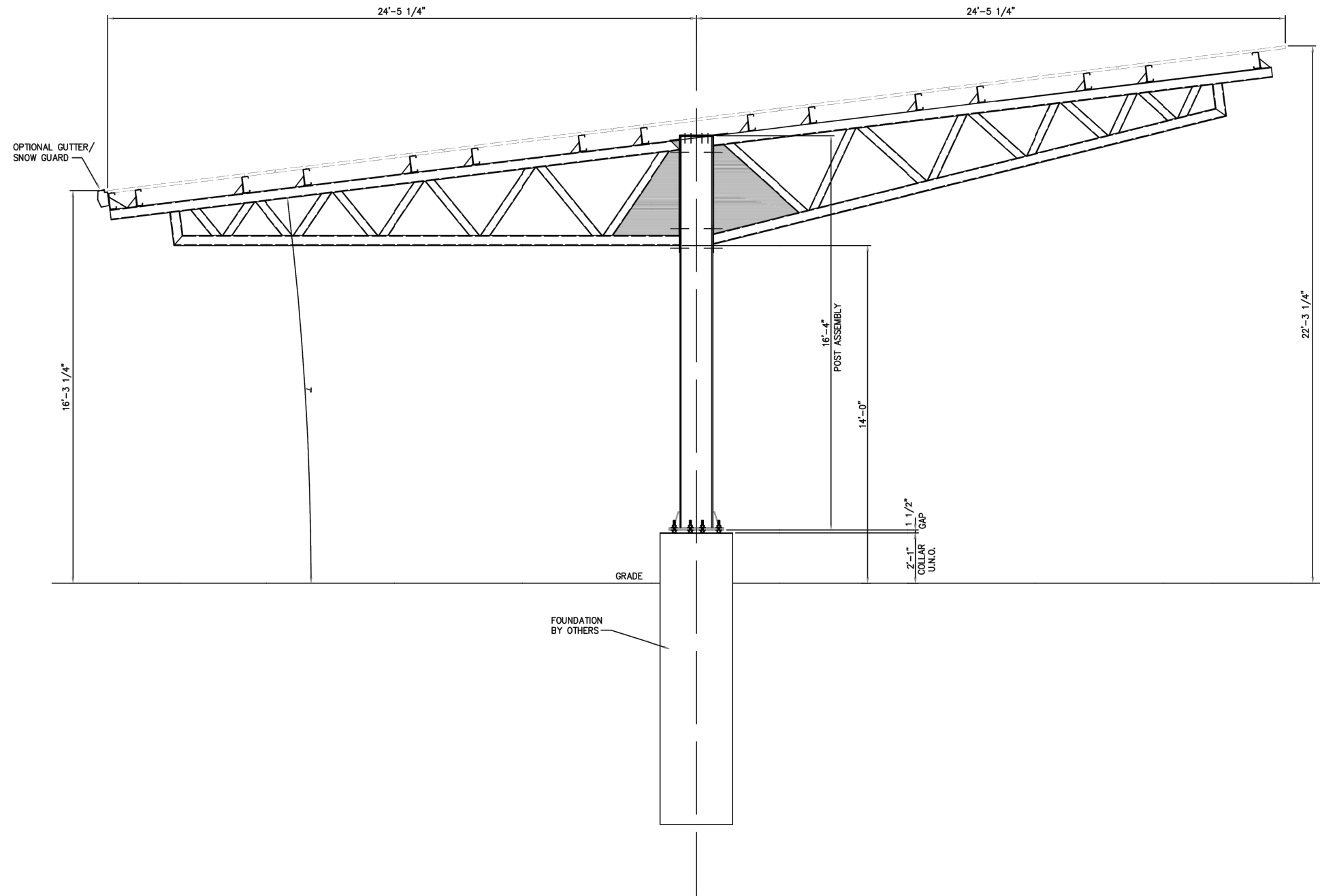
Account No: xxxxx
New Service Case #:
xxxxxx

#	REVISION DESCRIPTION	DATE	BY

Professional Stamp

SHEET NAME:
**CANOPY
ELEVATION**

PROJECT NUMBER: XXXX	DRAWN BY: DQP	CHECKED BY: ---
DATE: 06/23/2021	DWG. NUMBER:	
SHEET NUMBER: - of -	PV-200	



CANOPIES #1, #2 & #3
N.T.S.



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YORKTOWN RNC
697.9 kW-DC PV SYSTEM
548 kWh ENERGY STORAGE

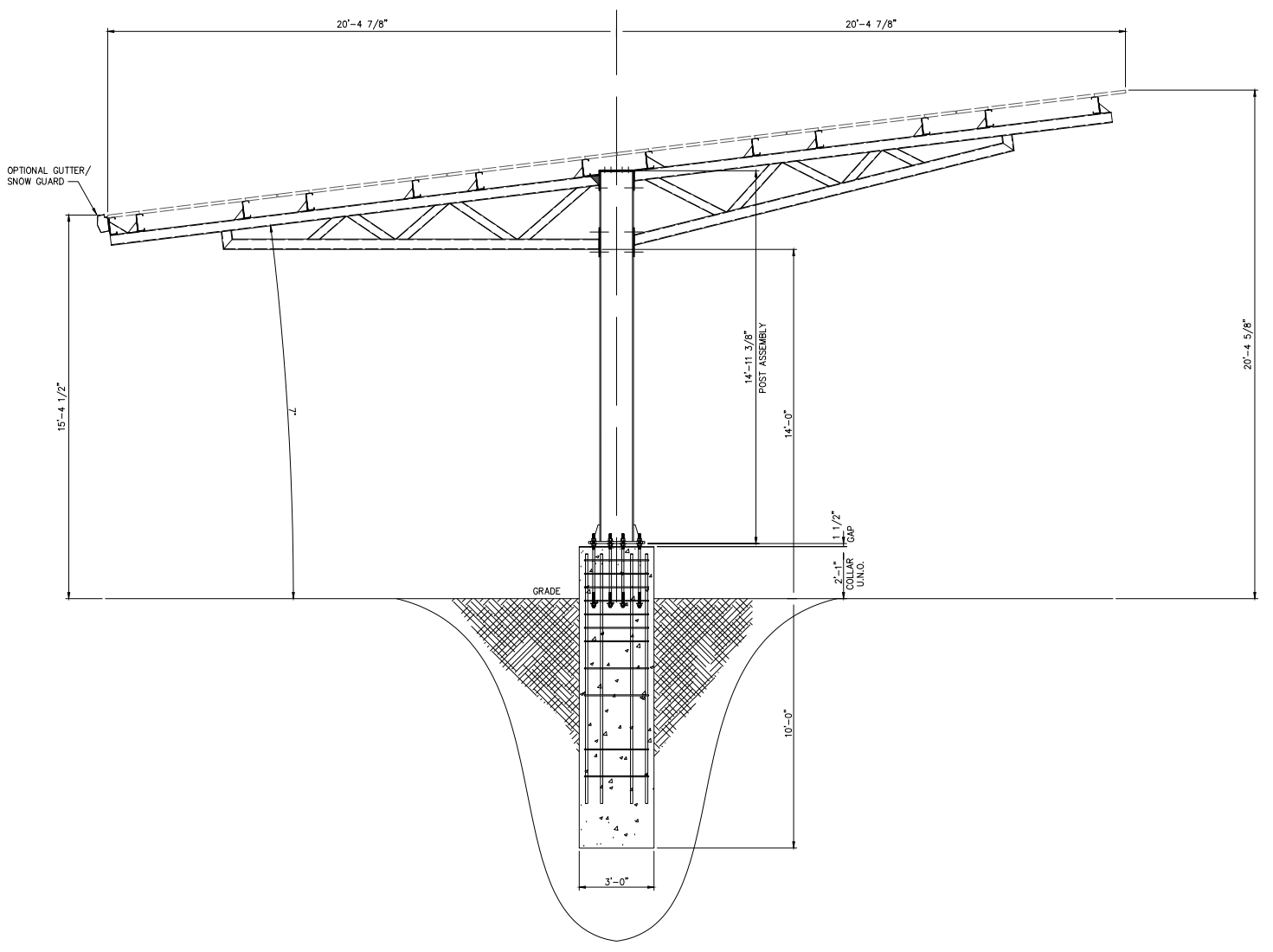
Project Site:
2300 CATHERINE STREET
YORKTOWN, NY 10598

Account No: xxxxx
 New Service Case #: xxxxx

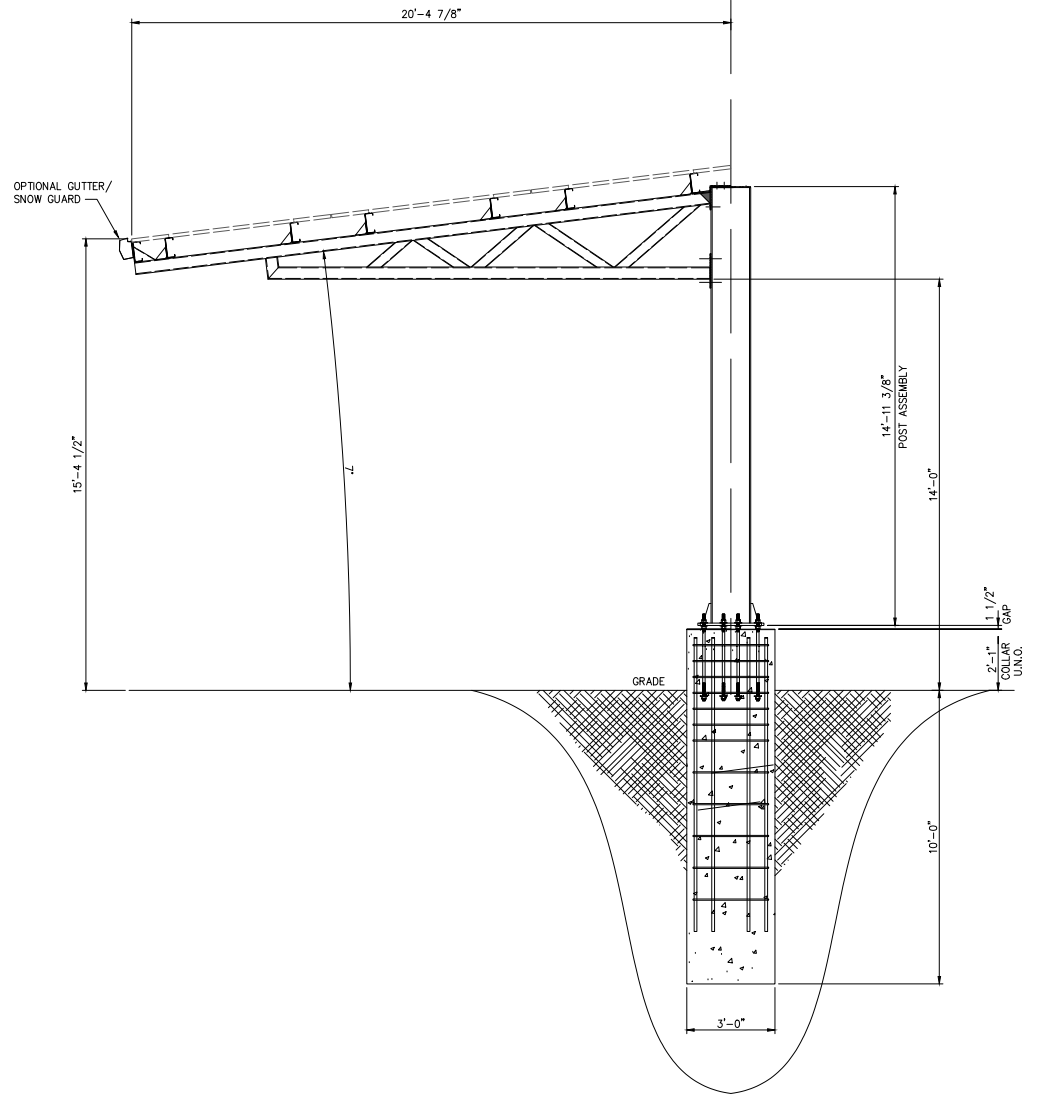
		BY
		DATE
		REVISION DESCRIPTION
#		

Professional Stamp

SHEET NAME: CANOPY ELEVATIONS		
PROJECT NUMBER: XXXX	DRAWN BY: DQP	CHECKED BY: ---
DATE: 06/23/2021	DWG. NUMBER: PV-200.1	
SHEET NUMBER: - of -		





CANOPIES #4 & #5
 N.T.S.



CANOPY #6
 N.T.S.

SYMBOLS LEGEND:

-  INDIVIDUAL TREE TO BE REMOVED
-  GROUP OF TREES TO BE REMOVED

GENERAL NOTESE:

SEE TREE INVENTORY DATED 6/22/2021 FOR DETAILS ON INDIVIDUAL TREES
 ONLY TREES PROPOSED TO BE REMOVED IDENTIFIED ON DRAWING



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ECOGY NY XII LLC

Project Name:
**YORKTOWN RNC
 283.8 kW-DC PV SYSTEM
 GROUND MOUNT**

Project Site:
**2300 CATHERINE STREET
 YORKTOWN, NY 10598**

Account No: xxxxx
 New Service Case #: xxxxx

#	REVISION DESCRIPTION	DATE	BY

Professional Stamp

SHEET NAME:
**TREE WORK
 PLAN**

PROJECT NUMBER: XXXX	DRAWN BY: SCG	CHECKED BY: ---
DATE: 11/16/2020	DWG. NUMBER: L-100	
SHEET NUMBER: - of -		