



KEY MAP

General Notes

- 1. Modules to be SUNPOWER 425 Watt BoB Residential AC Module, to be installed per SUNPOWER Installation Manual.
- 2. Racking to be InvisiMount Racking, to be installed as per InvisiMount Racking Manufacturer's Specifications.

Wind and Snow Load

Wind Speed: 115 mph Snow Load: 40 psf

Design Notes (New York)

Design complies with 2020 Fire Code of NYS, 2020 NYSRC and NEC 2017

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LUBECK RESIDENCE

122 HIGHMOUNT AVENUE NYACK, NY, 10960

SECTION 60.17 BLOCK 2 LOT 74

NYACK

VILLAGE OF UPPER NYACK

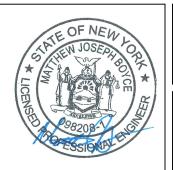
DATE	VER.	BY	CHK	REMARKS							
7/27/2023	R0	DJ									
JOB #2	JOB #23-0228										

SITE PLAN

SYSTEM DESCRIPTION:

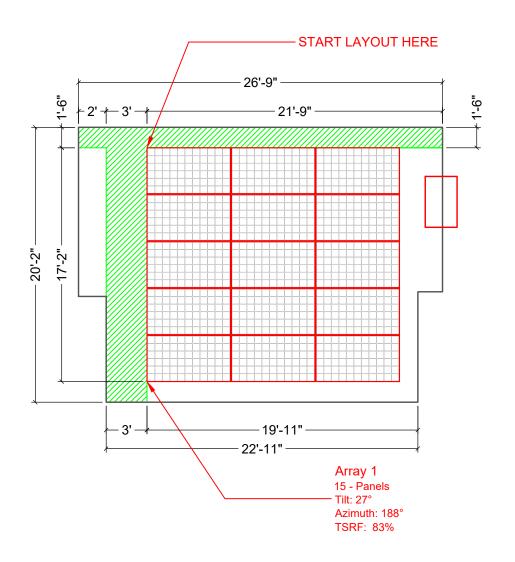
- 24 Photovoltaic Panels
- SUNPOWER
- SPR-M425-BLK-H-AC, BoB
- System Size: 10.20 kW DC 9.22 kW AC

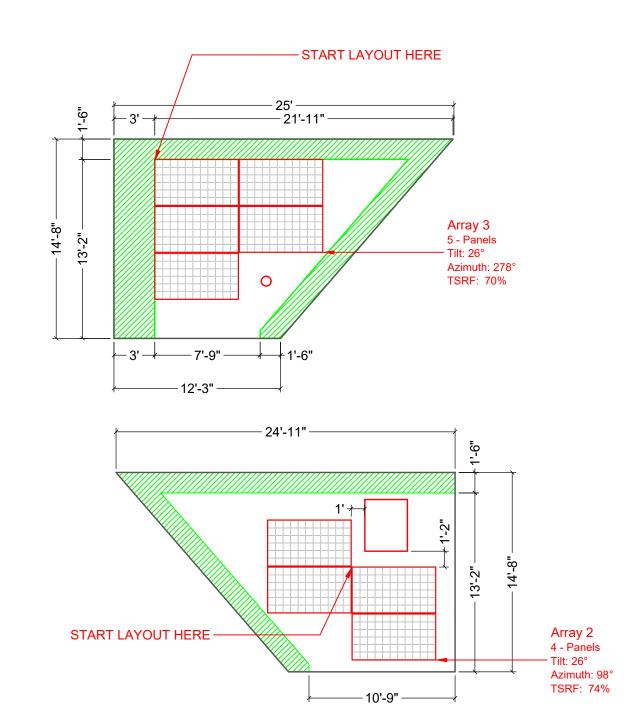
1	- 1						
\mathbf{I}		ARRAY	1	2	3		
4		TILT	27°	26°	26°		
l		AZIMUTH	188°	98°	278°		

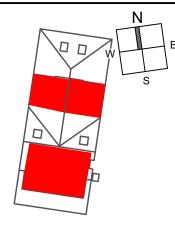


S1

SITE PLAN







 $\frac{\text{KEY MAP}}{\text{N.T.S.}}$

Array 1

Rafters: 2x6 @ 24" o.c.

Array 2 & 3

Rafters: 2x8 @ 16" o.c.



LUBECK RESIDENCE

122 HIGHMOUNT AVENUE NYACK, NY, 10960 SECTION 60.17 BLOCK 2 LOT 74 NYACK

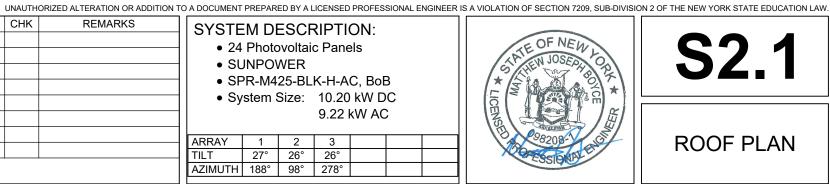
VILLAGE OF UPPER NYACK

DATE	VER.	BY	CHK	REMARKS					
7/27/2023	R0	DJ							
JOB #23-0228									

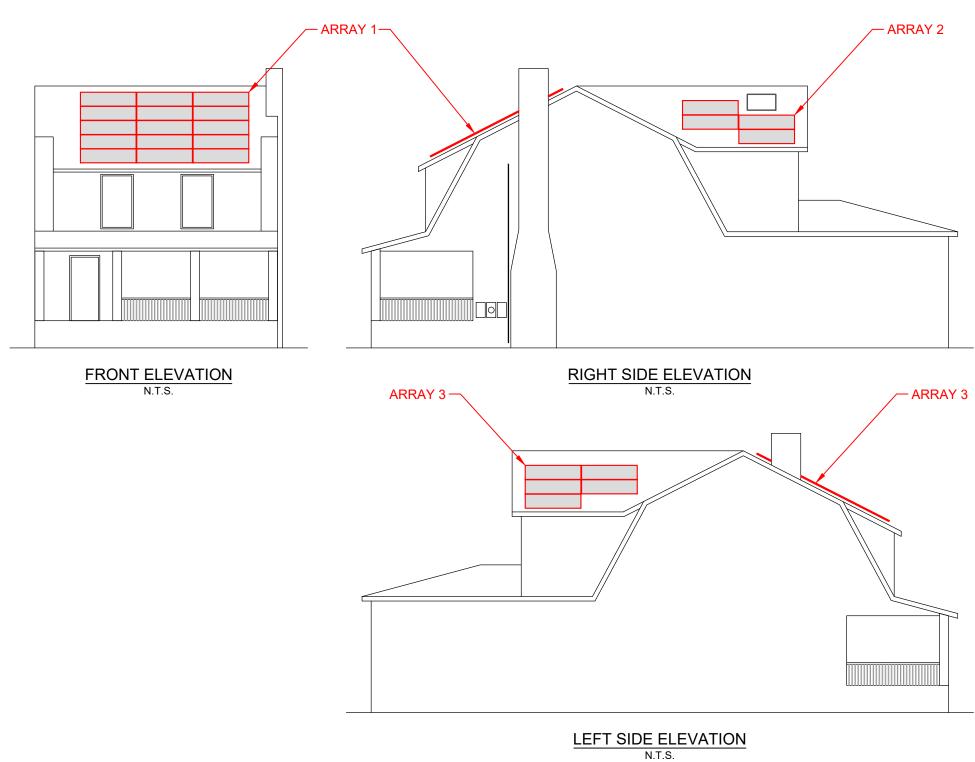
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- 1						
-	ARRAY	1	2	3		
4	TILT	27°	26°	26°		
	AZIMUTH	188°	98°	278°		
- 1						



ROOF PLAN



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122 HIGHMOUNT AVENUE NYACK, NY, 10960

SECTION 60.17 BLOCK 2 LOT 74

NYACK

VILLAGE OF UPPER NYACK

DATE	VER.	BY	CHK	REMARKS						
7/27/2023	R0	DJ								
JOB #23-0228										

SYSTEM DESCRIPTION:

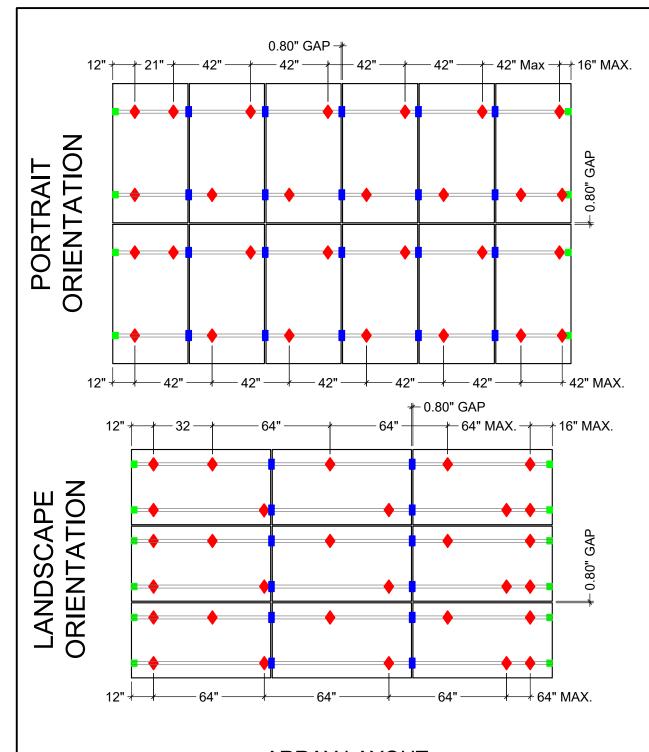
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\dashv	ſ	ARRAY	1	2	3		
_	I	TILT	27°	26°	26°		
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S2.2

ELEVATION



LEGEND

- MID CLAMP
- END CLAMP
- ♦ ROOF ATTACHMENT (MAX SPACING: 64")
- INVISIMOUNT RAILS (2 PER MODULE)
- MODULE
- RAIL LOCATION, LANDSCAPE ORIENTATION
- RAIL LOCATION, PORTRAIT ORIENTATION

ATTACHMENT NOTES

- ATTACHMENTS NOT TO EXCEED 42" O.C. HORIZONTALLY
- MAXIMUM RAIL CANTILEVER: 16"
- MINIMUM 2 ATTACHMENT PER MODULE (GLOBALLY)
- STAGGER ATTACHMENTS

CLAMPS NOTES

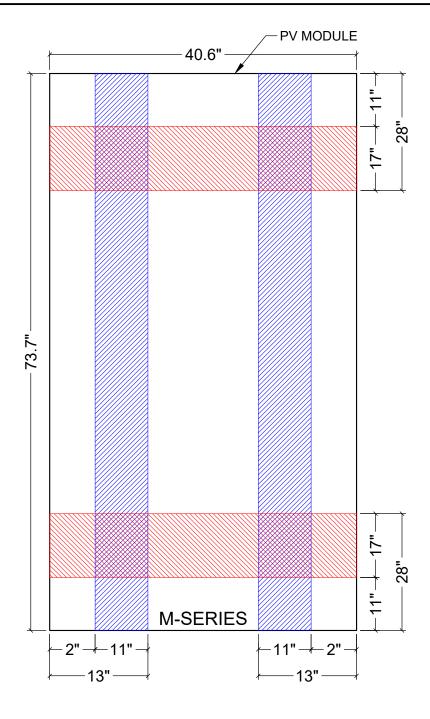
- FOR SUNPOWER U-SERIES MODULE USE UNIVERSAL MID CLAMP AND UNIVERSAL END CLAMP
- FOR SUNPOWER A, M, X & E SERIES USE CLASSIC MID CLAMP AND CLASSIC END CLAMP

RAIL NOTES

• RAILS SHALL BE POSITIONED IN THE HATCHED REGION

MODULE NOTES

• WARNING! DO NOT STEP ON, STAND ON, OR WALK ON THE MODULES OR THE MODULE FRAMES. AND DO NOT PLACE ANYTHING ON THEM--EVEN FOR A MOMENT.



CLAMP LOCATION

NTS

ARRAY LAYOUT NTS



LUBECK RESIDENCE

122 HIGHMOUNT AVENUE NYACK, NY, 10960

SECTION 60.17 BLOCK 2 LOT 74

NYACK

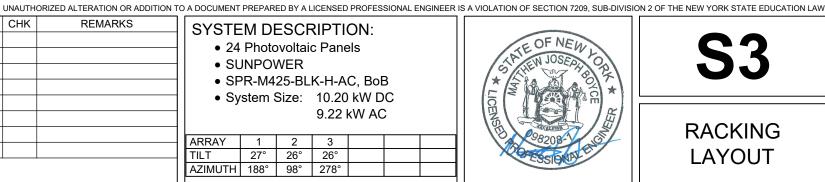
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JOB #23-0228									

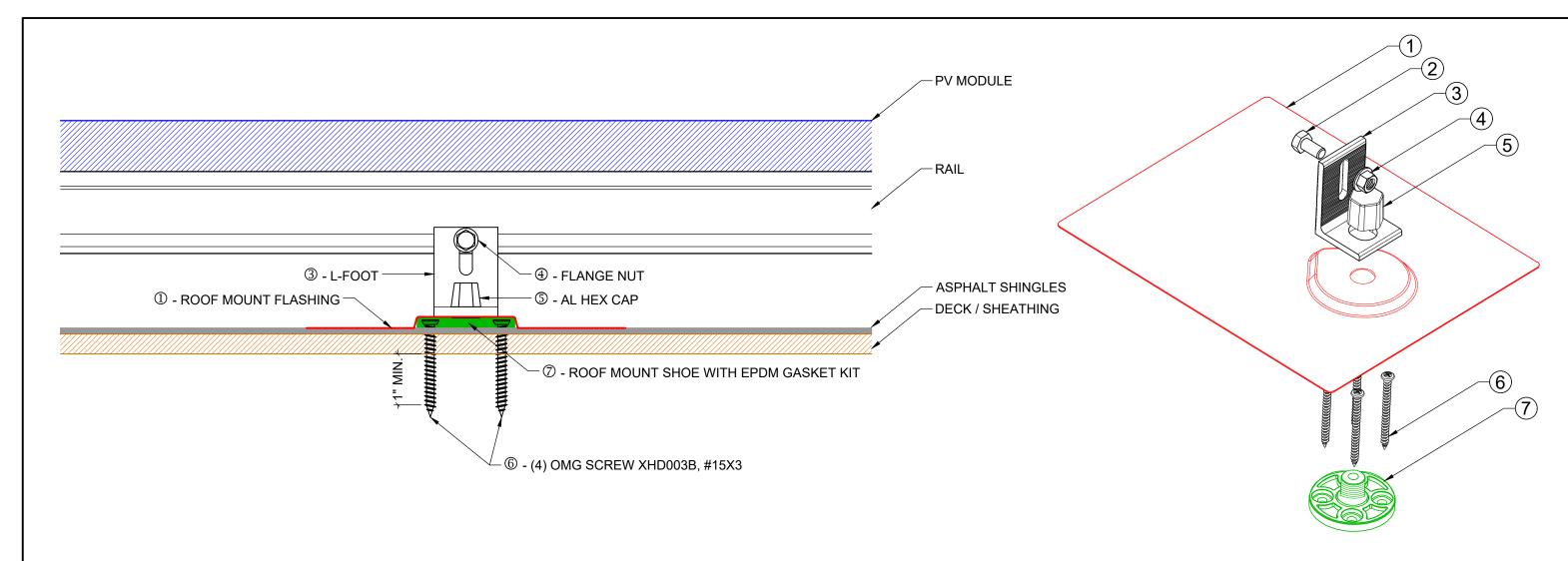
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RACKING LAYOUT



ITEM	PART NUMBER	DESCRIPTION	QTY
1	A20052-001	ROOF MOUNT FLASHING	1
2	B15018-001	HEX CAP SCREW 3/8-16 X 3/4	1
3	A20064-003	L-FOOT	1
4	B15003-001	FLANGE NUT 3/8-16	1
5	A20066-001	AL HEX CAP	1
6	B15040-001	OMG SCREW XHD003B,#15X3	4
7	K10291-001	ROOF MOUNT SHOE WITH EPDM GASKET KIT	1

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122 HIGHMOUNT AVENUE NYACK, NY, 10960 SECTION 60.17 BLOCK 2 LOT 74 NYACK VILLAGE OF UPPER NYACK

DATE	VER.	BY	CHK	REMARKS						
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JOB #2	JOB #23-0228									

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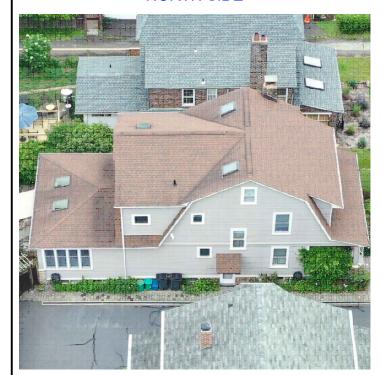


S4

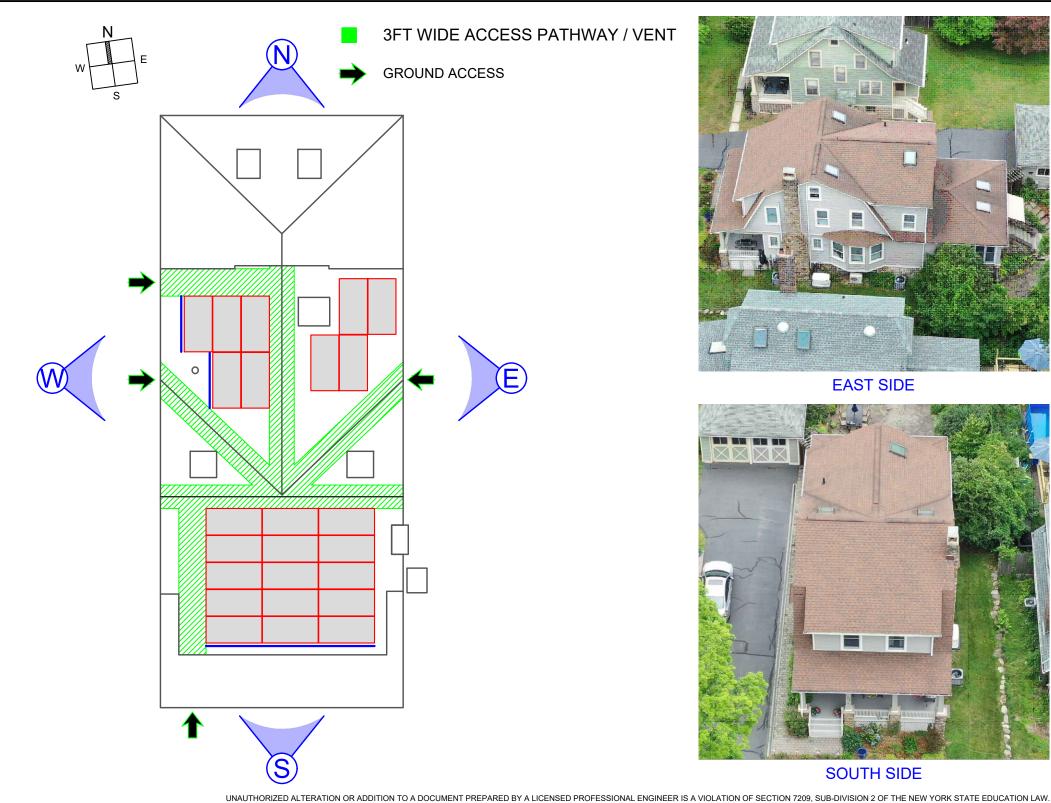
ATTACHMENT DETAIL

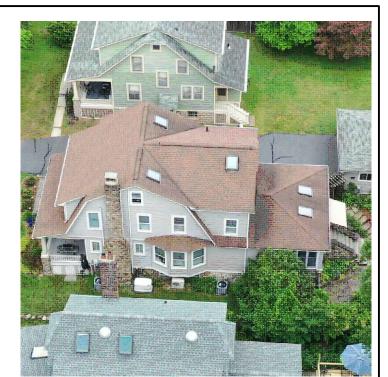


NORTH SIDE



WEST SIDE





EAST SIDE



SOUTH SIDE

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TILT	•	27°	26°	26°		
AZII	ИЦТН	188°	98°	278°		



ROOF ACCESS PLAN



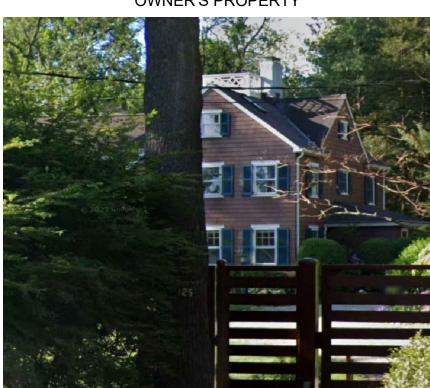
SYSTEM DESCRIPTION:



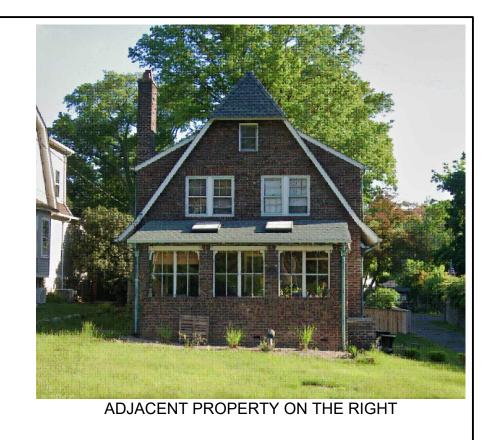
ADJACENT PROPERTY ON THE LEFT



OWNER'S PROPERTY



PROPERTY ACROSS THE STREET



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JOB #2	3-02	28							

SYSTEM DESCRIPTION:

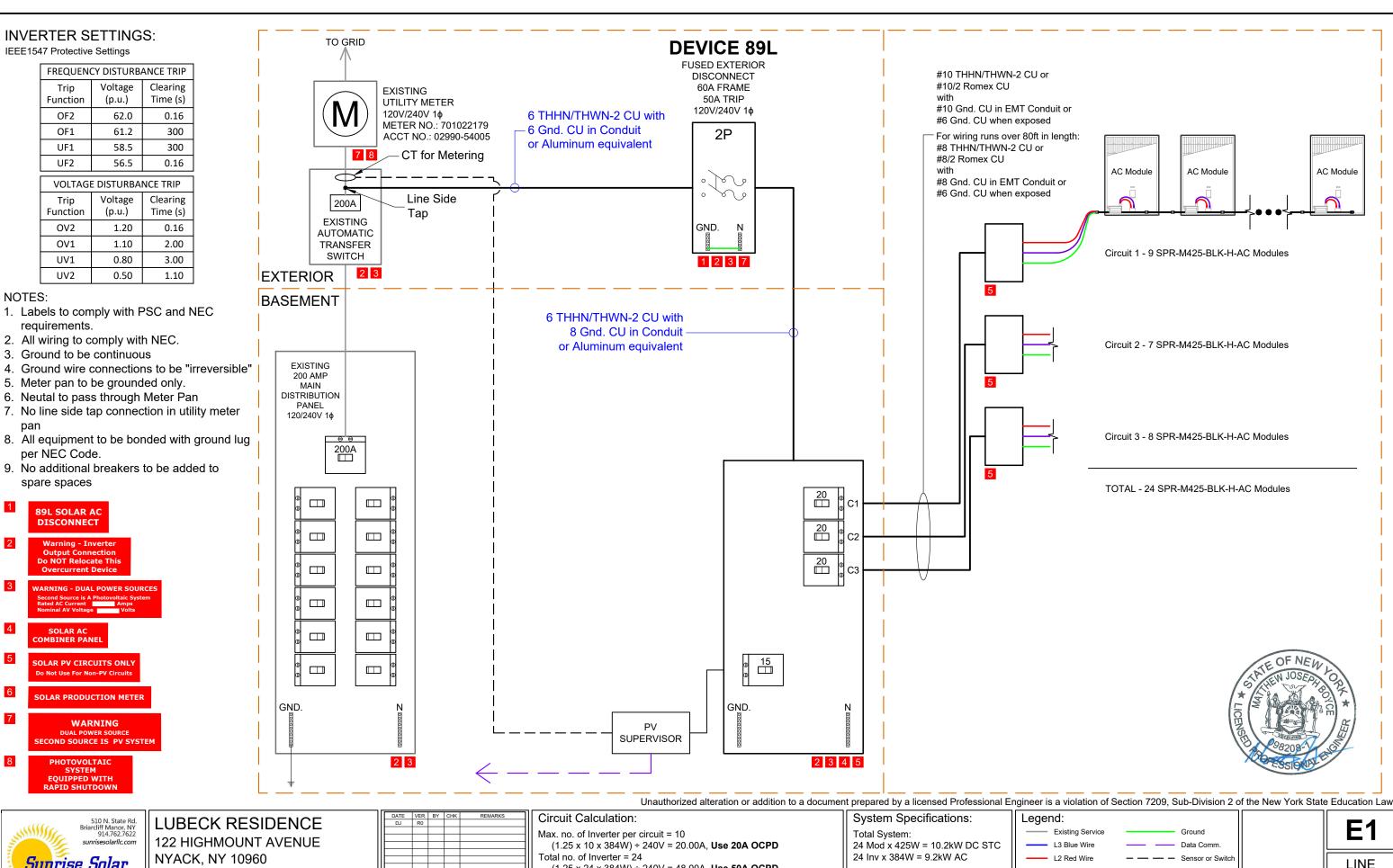
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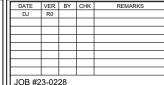
S6

ADJACENT / ACROSS PROPERTIES



Sunrise Solar

Sect. 60.17, Block 2, Lot 17



(1.25 x 24 x 384W) ÷ 240V = 48.00A, Use 50A OCPD

Nominal AC Voltage = 240V Max AC Current = 38.4A

L1 Black Wire PV Label

LINE **DIAGRAM**