

PROJECT DESCRIPTION:

17 X PEIMAR SOLAR: DR10H450M (FB) 450W PV MODULES
 ROOF MOUNTED SOLAR PHOTOVOLTAIC MODULES
 DC SYSTEM SIZE: 17 x 450 = 7.650 kW DC
 AC SYSTEM SIZE: 01 x 7600 = 7.600 kW AC

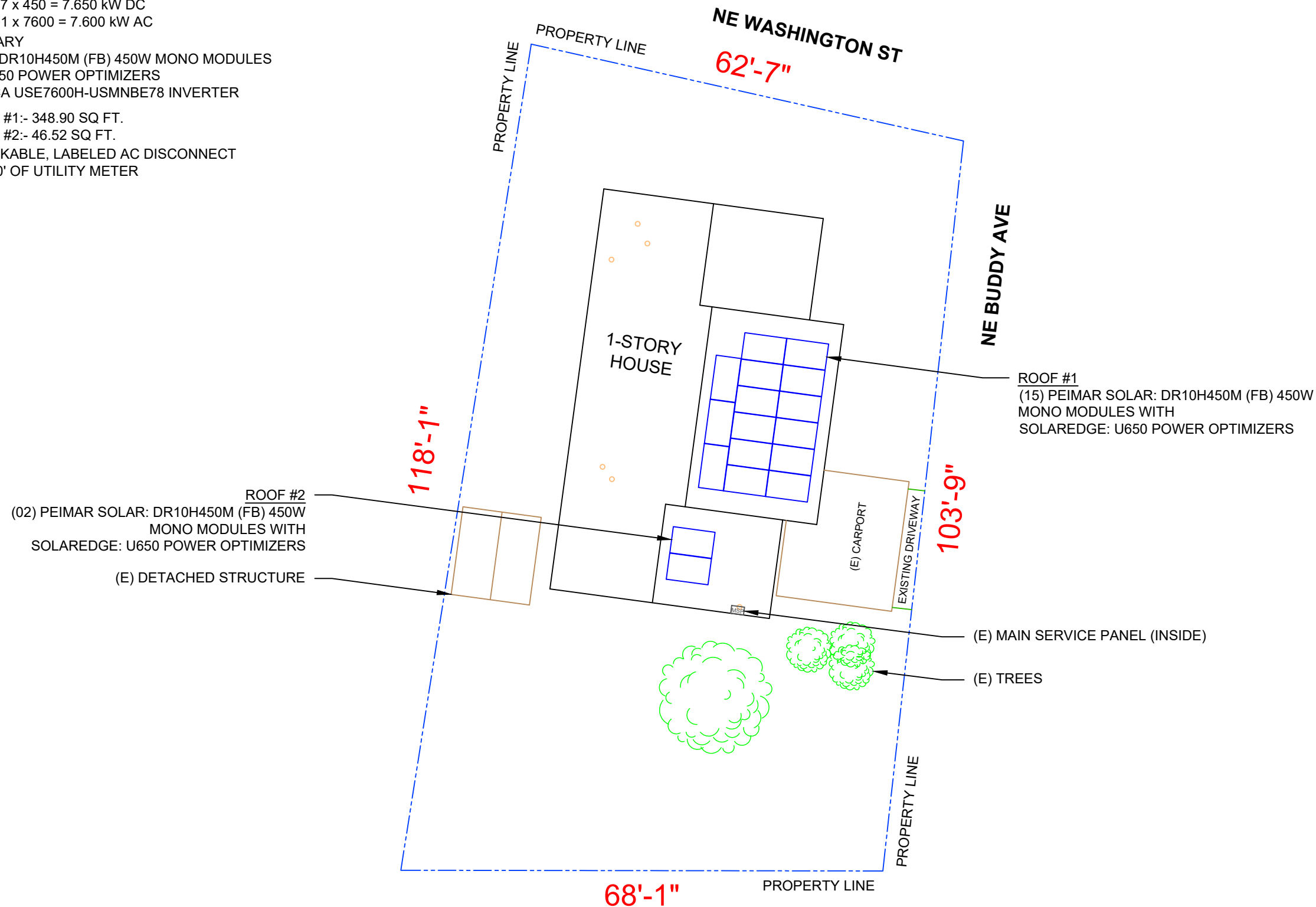
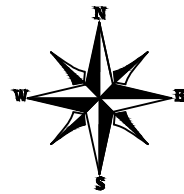
EQUIPMENT SUMMARY

17 PEIMAR SOLAR: DR10H450M (FB) 450W MONO MODULES
 17 SOLAREEDGE: U650 POWER OPTIMIZERS
 01 SOLAREEDGE: DCA USE7600H-USMNB78 INVERTER

ROOF ARRAY AREA #1:- 348.90 SQ FT.

ROOF ARRAY AREA #2:- 46.52 SQ FT.

NOTE: VISIBLE, LOCKABLE, LABELED AC DISCONNECT
 LOCATED WITHIN 10' OF UTILITY METER

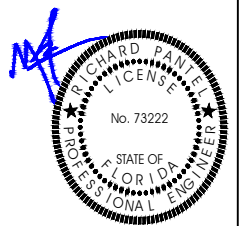


This item has been digitally signed and sealed by Richard Pantel, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.



LUNEX POWER INC.
 4721 N GRADY AVE
 TAMPA FL 33614
 LIC #: CVC57085
 PHONE: 813-540-8807

REVISIONS		
DESCRIPTION	DATE	REV



Reviewed and approved
 Richard Pantel, P.E.
 FL Lic. No. 73222
 03/11/2026

DATE: 03/11/2026

PROJECT NAME & ADDRESS

EVA WILLIAMS
 RESIDENCE
 1452 NE WASHINGTON ST,
 LAKE CITY, FL 32055

DRAWN BY
 ESR

SHEET NAME
 SITE PLAN

SHEET SIZE
 ANSI B
 11" X 17"

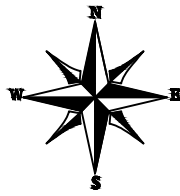
SHEET NUMBER
 PV-2

1 | SITE PLAN

PV-2 | SCALE: 1/16" = 1'-0"

MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 17 MODULES
 MODULE TYPE = PEIMAR SOLAR: DR10H450M (FB) 450W MONO MODULES
 MODULE WEIGHT = 52.9 LBS / 24.0 KG.
 MODULE DIMENSIONS = 75.03" x 44.64" = 23.26 SF



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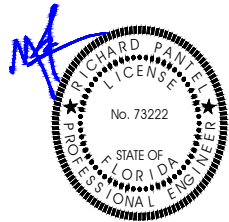
ROOF	# OF MODULES	AREA (Sq. Ft.)	AREA (Sq. Ft.)	AREA COVERED BY ARRAY (%)
#1	15	348.90	534.43	65
#2	02	46.52	234.18	20
TOTAL	17	395.42	1920.71	21

ROOF DESCRIPTION				
ROOF TYPE		ASPHALT SHINGLE		
ROOF	ROOF PITCH	AZIMUTH	TRUSS SIZE	TRUSS SPACING
#1	18°	98°	2"X4"	24"
#2	18°	98°	2"X4"	24"



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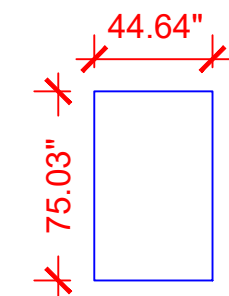
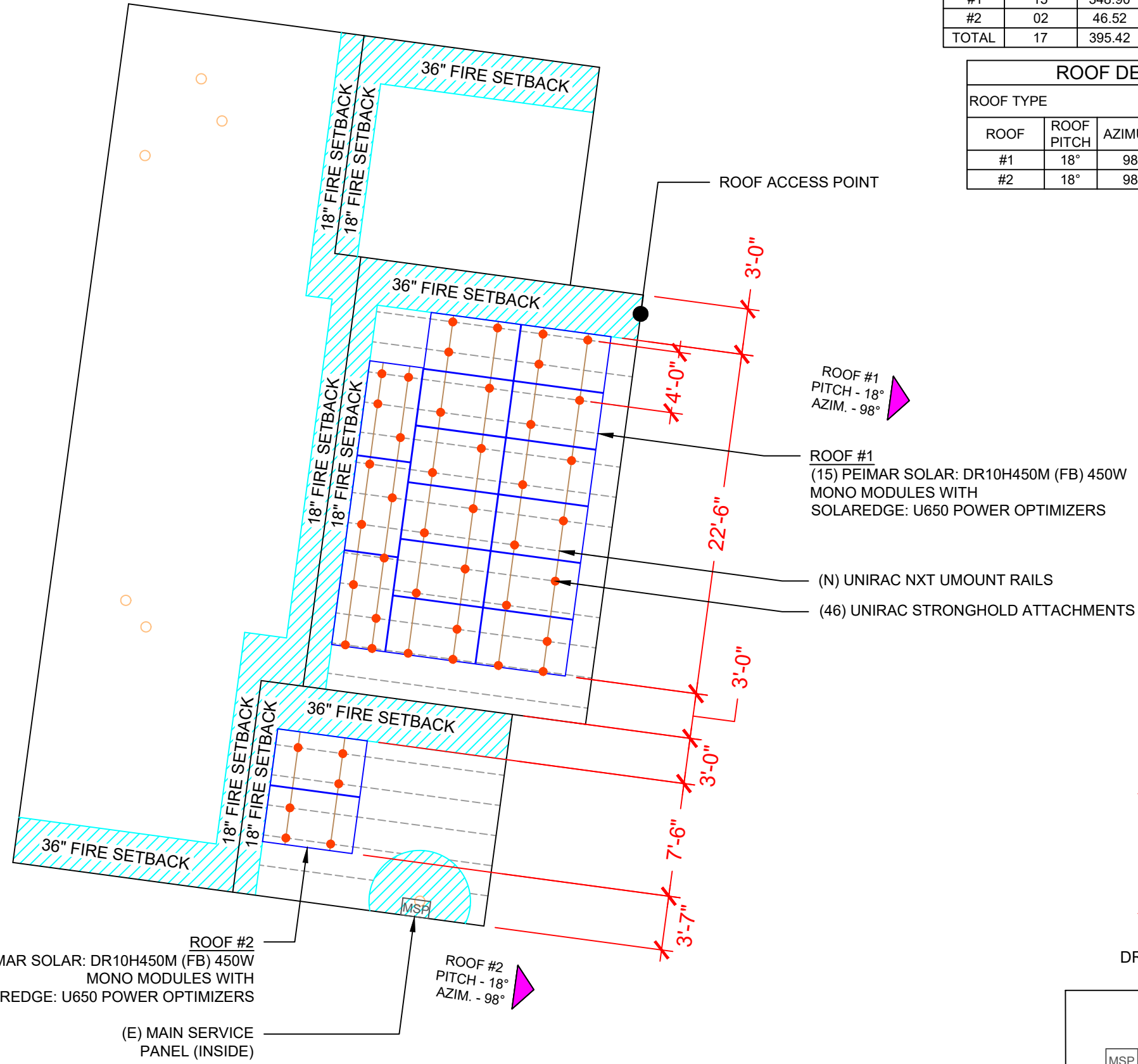
EVA WILLIAMS
 RESIDENCE
 1452 NE WASHINGTON ST.,
 LAKE CITY, FL 32055

DRAWN BY
 ESR

SHEET NAME
 ROOF PLAN &
 MODULES

SHEET SIZE
 ANSI B
 11" X 17"

SHEET NUMBER
 PV-3



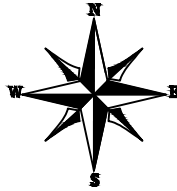
LEGEND

- MSP - MAIN SERVICE PANEL
- VENT, ATTIC FAN (ROOF OBSTRUCTION)
- - ROOF ATTACHMENT
- - TRUSS

1 ROOF PLAN & MODULES

PV-3 SCALE: 1/8" = 1'-0"

STRING LEGENDS	
	STRING #1
	STRING #2



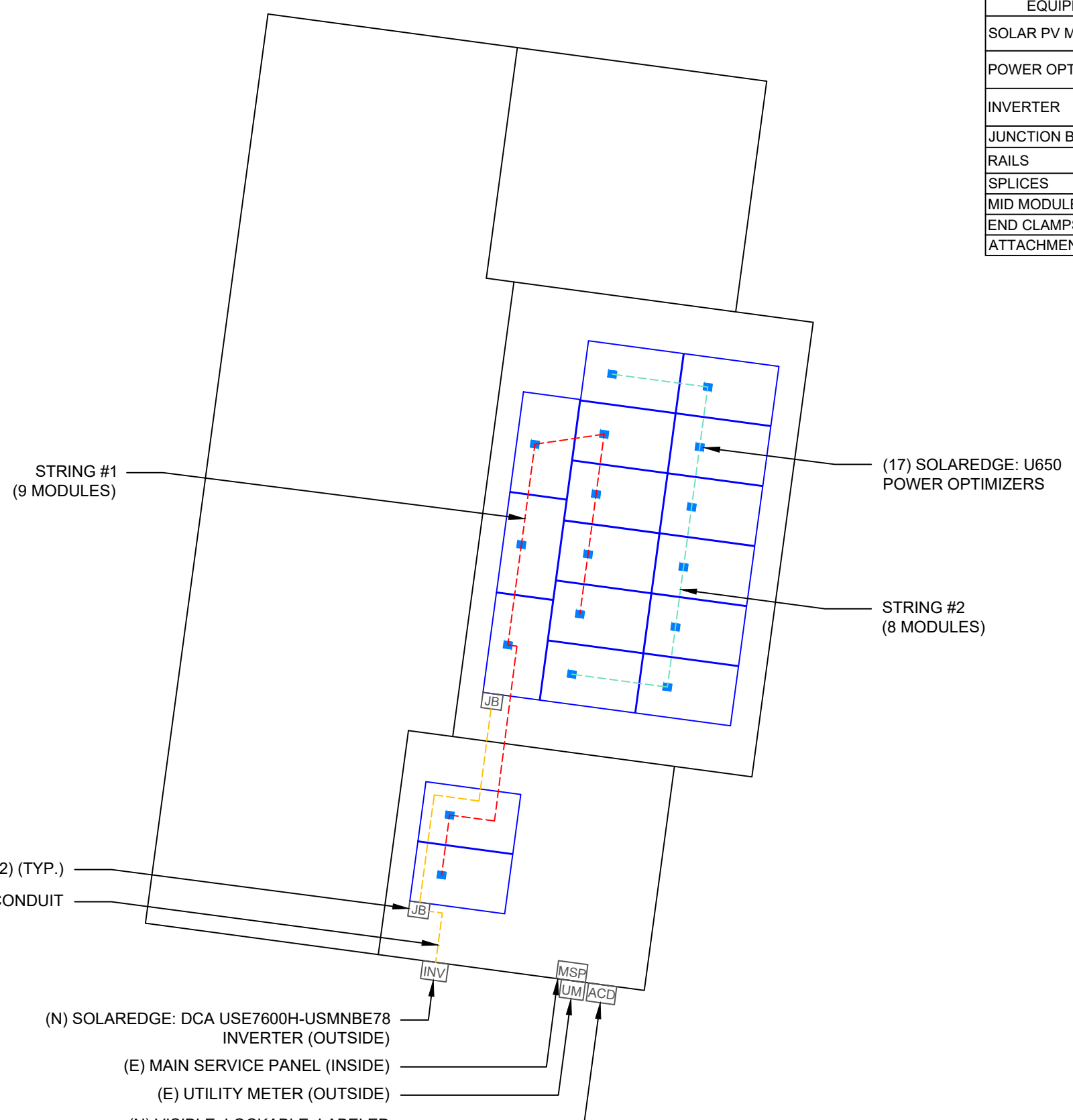
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EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULES	17	PEIMAR SOLAR: DR10H450M (FB) 450W MODULE
POWER OPTIMIZERS	17	SOLAREEDGE: U650 POWER OPTIMIZERS
INVERTER	01	SOLAREEDGE: DCA USE7600H-USMNB78 INVERTER
JUNCTION BOXES	2	JUNCTION BOXES - (JB-1.2)
RAILS	11	UNIRAC NXT UMount RAILS
SPLICES	6	SPLICE KIT
MID MODULE CLAMPS	26	MID MODULE CLAMPS
END CLAMPS	16	END CLAMPS / STOPPER SLEEVE
ATTACHMENTS	46	UNIRAC STRONGHOLD ATTACHMENTS



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BILL OF MATERIALS







(17) SOLAREEDGE: U650 POWER OPTIMIZERS

STRING #2 (8 MODULES)

STRING #1 (9 MODULES)

(N) JUNCTION BOX (JB-1.2) (TYP.)
 (N) EMT CONDUIT

(N) SOLAREEDGE: DCA USE7600H-USMNB78 INVERTER (OUTSIDE)
 (E) MAIN SERVICE PANEL (INSIDE)
 (E) UTILITY METER (OUTSIDE)
 (N) VISIBLE, LOCKABLE, LABELED FUSED AC DISCONNECT (LOCATED WITHIN 10' OF UTILITY METER) (OUTSIDE)

LEGEND	
	- JUNCTION BOX
	- INVERTER
	- AC DISCONNECT
	- UTILITY METER
	- MAIN SERVICE PANEL
	- CONDUIT



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 LAKE CITY, FL 32055

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 ESR

SHEET NAME
ELECTRICAL PLAN

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-4