

ROOF DESCRIPTION:

(ROOF #1)

MODULES - 28
ROOF TILT - 18°
ROOF AZIMUTH - 180°
SEAMS SPACING - @ 9" O.C.

WIND LOAD INFORMATION:
THIS SYSTEM HAS BEEN DESIGN TO MEET
THE REQUIREMENTS OF THE 7TH EDITION OF
THE FLORIDA BUILDING CODE AND USED
THE FOLLOWING DESIGN PARAMETERS:
ULTIMATE WIND SPEED: 120 MPH
EXPOSURE CATEGORY: C
RISK CATEGORY: II
MEAN ROOF HEIGHT: 15FT
ROOF SLOPE: 7°-20°
TOTAL NO. OF ATTACHMENT: 72


SYNERGY SOLLAR
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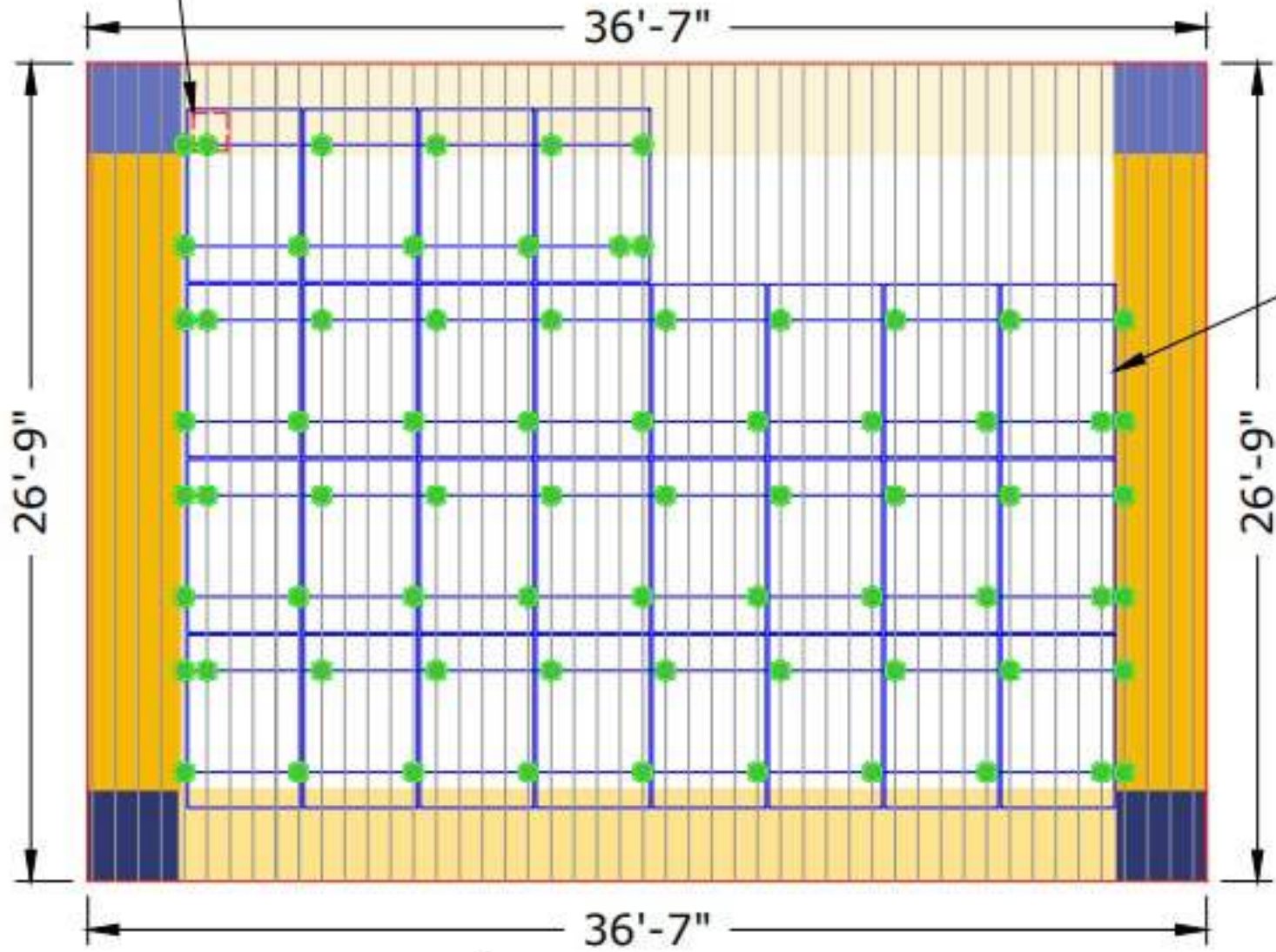


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KARI TRAVIS

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JUNCTION BOX



SOLAR MODULE

LEGENDS

- JUNCTION BOX
- FIRE SETBACK
- VENT, ATTIC FAN (ROOF OBSTRUCTION)
- PV ROOF ATTACHMENT
- COUPLING
- METAL SEAM
- RAIL
- WIND ZONE 1
 - WIND ZONE 1
 - WIND ZONE 1'WIND ZONE 2
 - WIND ZONE (2)
 - WIND ZONE (2r)
 - WIND ZONE (2e)
 - WIND ZONE (2n)WIND ZONE 3
 - WIND ZONE (3)
 - WIND ZONE (3r)
 - WIND ZONE (3e)

REVISIONS		DATE			
REV	ENG	DESCRIPTION			

PERMIT DEVELOPER	
DATE	11/17/2023
DESIGNER	OSK
REVIEWER	

SHEET NAME
ARRAY LAYOUT

SHEET NUMBER
S-03

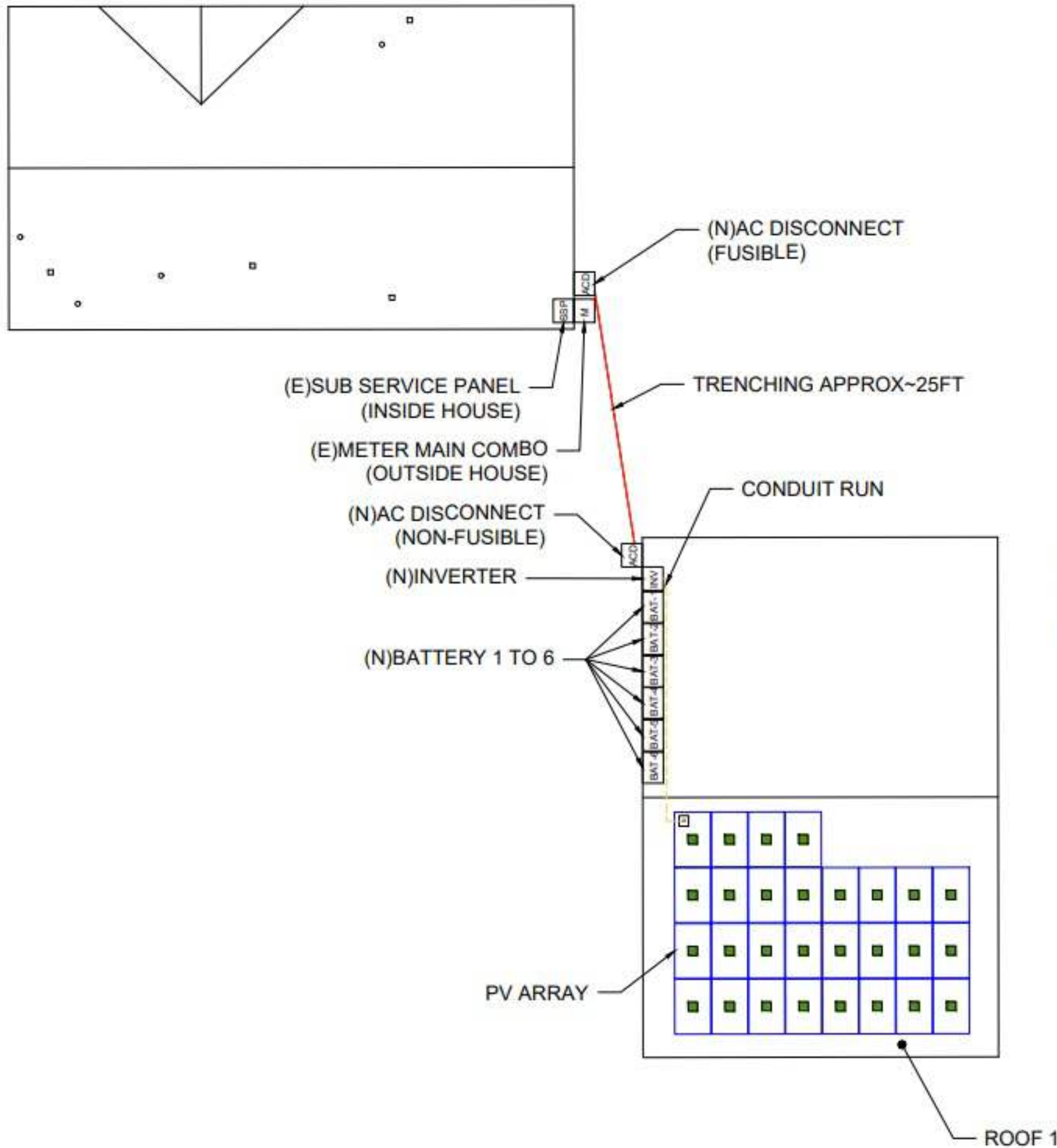
MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 28 MODULES
MODULE TYPE = CS6R-400MS-HL (400W) CANADIAN SOLAR MODULES
MODULE WEIGHT = 49.4 LBS/22.4 KG.
MODULE DIMENSIONS = 67.8 " X 44.6" = 21.00 SF

NUMBER OF INVERTER = 1 STRING INVERTER
INVERTER TYPE = SOL-ARK-15K-2P INVERTER

DC SYSTEM SIZE: 11.2 KW
AC SYSTEM SIZE: 15 KW

(E) BACK YARD



(E) FRONT YARD

GENERAL INSTALLATION PLAN NOTES:

1) ROOF ATTACHMENTS TO TRUSSES SHALL BE INSTALLED AS SHOWN IN SHEET S-03 AND AS FOLLOWS FOR EACH WIND ZONE:

- WIND ZONE 1: MAX SPAN 4'-0"
O.C. WIND ZONE 2: MAX SPAN 4'-0"
O.C. WIND ZONE 3: MAX SPAN 2'-0"
O.C.

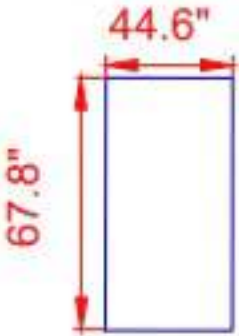
2) EXISTING RESIDENTIAL BUILDING ROOF WITH MEAN ROOF HEIGHT 15FT AND SEAMS SPACED 9" O.C.

CONTRACTOR TO FIELD VERIFY AND SHALL REPORT TO THE ENGINEER IF ANY DISCREPANCIES EXIST BETWEEN PLANS AND IN FIELD CONDITIONS.

I CERTIFY THAT THE INSTALLATION OF THE MODULES IS IN COMPLIANCE WITH FBC: RESIDENTIAL CHAPTER 3. BUILDING STRUCTURE WILL SAFELY ACCOMMODATE LATERAL AND UPLIFT WIND LOADS, AND EQUIPMENT DEAD LOADS. *

LEGENDS

- M - METER MAIN COMBO
SSP - SUB SERVICE PANEL
JB - JUNCTION BOX
BAT - BATTERY
ACD - AC DISCONNECT
INV - INVERTER
- FIRE SETBACK
- ROOF ACCESS POINT
- OPTIMIZERS
- VENT, ATTIC FAN (ROOF OBSTRUCTION)
- CONDUIT



CS6R-400MS-HL (400W) CANADIAN SOLAR MODULES



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REVISIONS	DESCRIPTION	DATE	REV	ENG	CHK	APP

PERMIT DEVELOPER

DATE 11/17/2023

DESIGNER OSK

REVIEWER

SHEET NAME

ROOF PLAN & MODULES

SHEET NUMBER

S-02