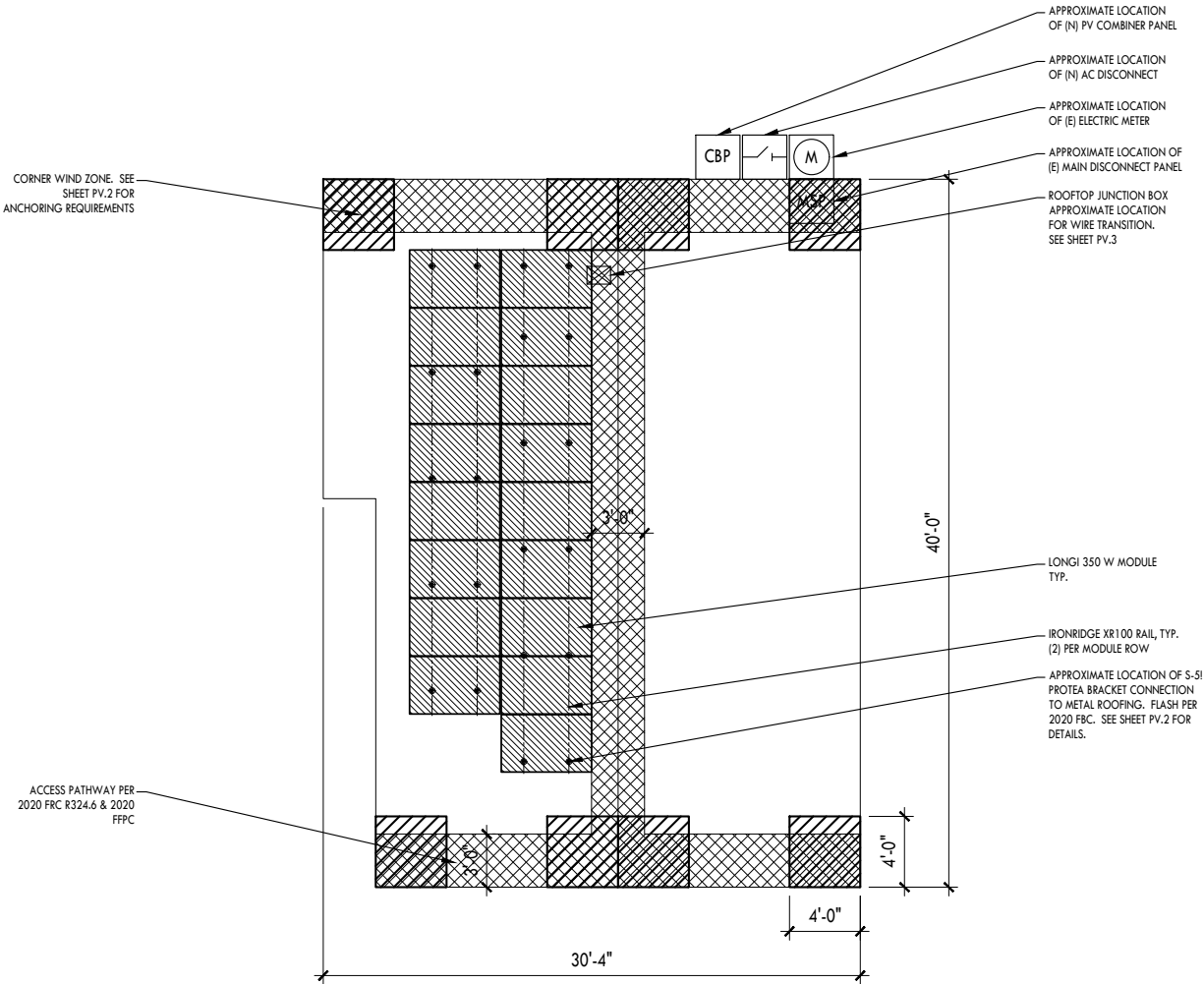


ICON LEGEND			
	ELECTRIC METER		INVERTER
	MAIN SERVICE PANEL		ROOF WIND ZONE 3
	LOAD CENTER		ROOF OBSTACLE
	PROTECTED LOADS PANEL		FIRE SETBACK ZONE
	COMBINER PANEL		MOUNTING RAIL
	JUNCTION BOX		MOUNTING POINT
	AC DISCONNECT		CONDUIT
	TRANSFER SWITCH		MIN. ROOF EDGE DIST.
	WIND ZONE LABEL		MODULE EXPOSURE LINE
	WIND ZONE BOUNDARY		EXPOSED MODULE LABEL

EXISTING ROOF NOTES	
<p>1. EXISTING ROOF IS CORRUGATED METAL ROOFING OVER WOOD DECKING & MINIMUM 2X4 S.Y.P. WOOD TRUSSES.</p> <p>- NOTE: ROOF CONSTRUCTION IS BASED ON INFORMATION PROVIDED TO THE DESIGNER. ALL ROOF PENETRATIONS SHALL BE FLASHED AND /OR SEALED USING APPROVED PRODUCTS & METHODS PER LOCAL GOVERNING CODE.</p> <p>2. ROOFTOP SOLAR COMPONENTS REPRESENT A GRAVITY LOAD OF 3 PSF.</p> <p>- PV MODULES = 2.5 PSF</p> <p>- MOUNTING EQUIPMENT = 0.25 PSF</p> <p>- MISCELLANEOUS ACCESSORIES = 0.25 PSF</p> <p>3. EXISTING ROOF IS ASSUMED TO BE DESIGNED FOR A MINIMUM LIVE LOAD OF 20 PSF. PER FBC 1607.12.5.1 ROOF SURFACES COVERED BY SOLAR PV MODULES SHALL BE CONSIDERED INACCESSIBLE AND, THUS, THE LOAD IMPOSED BY THE SOLAR PV MODULES WOULD BE LESS THAN THE LIVE LOAD RATING & ABLE TO SUSTAIN THE ADDITIONAL GRAVITY LOAD IMPOSED BY THE SOLAR PV MODULES AND ASSOCIATED ATTACHMENTS.</p> <p>4. MODULE LOCATION ON ROOF MAY BE ALTERED IN THE FIELD SO LONG AS EQUIPMENT IS MOUNTED AS SHOWN ON SHEET PV.2.</p>	

2020 FRC R324.6 ROOF ACCESS REQUIREMENTS	
<p>R324.6 ROOF ACCESS AND PATHWAYS</p> <p>EXCEPTIONS:</p> <p>1. DETACHED, NON-HABITABLE STRUCTURES SHALL NOT BE REQUIRED TO PROVIDE ROOF ACCESS.</p> <p>2. ROOF ACCESS, PATHWAYS, & SETBACKS NEED NOT BE PROVIDED WHERE THE CODE OFFICIAL HAS DETERMINED THAT ROOFTOP OPERATIONS WILL NOT BE EMPLOYED.</p> <p>3. THESE REQUIREMENTS SHALL NOT APPLY TO ROOFS WITH SLOPES OF 2:12 (17% SLOPE) OR LESS.</p> <p>R324.6.1 PATHWAYS</p> <p>1. (2) OR MORE 36" PATHWAYS ON SEPARATE ROOF PLANES FROM EAVE TO RIDGE.</p> <p>2. (1) OR MORE 36" PATHWAYS ON ROOF PLANES ADJACENT TO THE STREET OR DRIVEWAY.</p> <p>3. (1) OR MORE 36" PATHWAYS ON ROOF PLANES WITH PV ARRAYS EITHER ON, ADJACENT TO, OR STRADDLING THE SAME & ADJACENT ROOF PLANES FROM EAVE TO RIDGE.</p> <p>R324.6.2 SETBACK AT RIDGE</p> <p>FOR PV ARRAYS OCCUPYING < 33% OF THE PLAN VIEW TOTAL ROOF AREA, A MIN. 18" CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE. FOR PV ARRAYS OCCUPYING > 33% OF THE PLAN VIEW TOTAL ROOF AREA, A MIN. 36" CLEAR SETBACK IS REQUIRED ON BOTH SIDES OF A HORIZONTAL RIDGE.</p> <p>R324.6.2.2 EMERGENCY ESCAPE AND RESCUE OPENING</p> <p>PANELS AND MODULES INSTALLED ON DWELLINGS SHALL NOT BE PLACED ON THE PORTION OF A ROOF THAT IS BELOW AN EMERGENCY ESCAPE AND RESCUE OPENING. A MIN. 36" PATHWAY SHALL BE PROVIDED TO THE EMERGENCY ESCAPE AND RESCUE OPENING.</p>	

ROOF LAYOUT NOTES	
<p>ROOF LAYOUT SHOWN MAY BE ADJUSTED IN THE FIELD BY THE INSTALLER TO ACCOUNT FOR ISSUES CAUSED BY ROOF OBSTACLES, TRUSS ALIGNMENT, OR SHADING. SO LONG AS THE MODULES ARE MOUNTED AND SECURED TO THE ROOF AS SHOWN ON PV.2 THE LAYOUT MAY BE ALTERED AND ALL ROOF ORIENTATIONS MAY BE UTILIZED.</p>	



STRUCTURAL CERTIFICATION STATEMENT

THE INSTALLATION OF THE MODULES IS IN COMPLIANCE WITH FBC: RESIDENTIAL 2020 7th ED., CHAPTER 3 AND FBC: BUILDING 2020 7TH ED., CHAPTER 16 (WHICHEVER GOVERNS). BUILDING STRUCTURE WILL SAFELY ACCOMMODATE WIND LATERAL AND UPLIFT FORCES, AND EQUIPMENT DEAD LOADS.

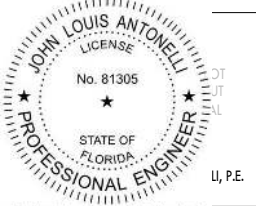


REV	DATE	REMARK	BY

PROJECT:	
<p>PHOTOVOLTAIC SOLAR ENERGY SYSTEM</p> <p>PROJECT NAME: ROBERSON RESIDENCE</p> <p>PROJECT ADDRESS: 861 NE COLDWATER AVE.</p> <p>LAKE CITY, FL 32055</p>	

DATE	4/11/23
DRAWN BY:	JLL
CHECKED BY:	JLA
REC. NO. #	29127
SCALE	AS NOTED

DRAWING #
PV.1
SHEET 2 OF 5



U, P.E.

This item has been electronically signed and sealed by John Louis Antonelli P.E. using a Digital Signature and date. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PHOTOVOLTAIC MODULE LAYOUT & ROOF PLAN

SCALE: $\frac{3}{32}" = 1'-0"$

1
PV.1

N

Digitally signed
by John L
Antonelli
Date: 2023.04.12
'09:07:10 -04'00