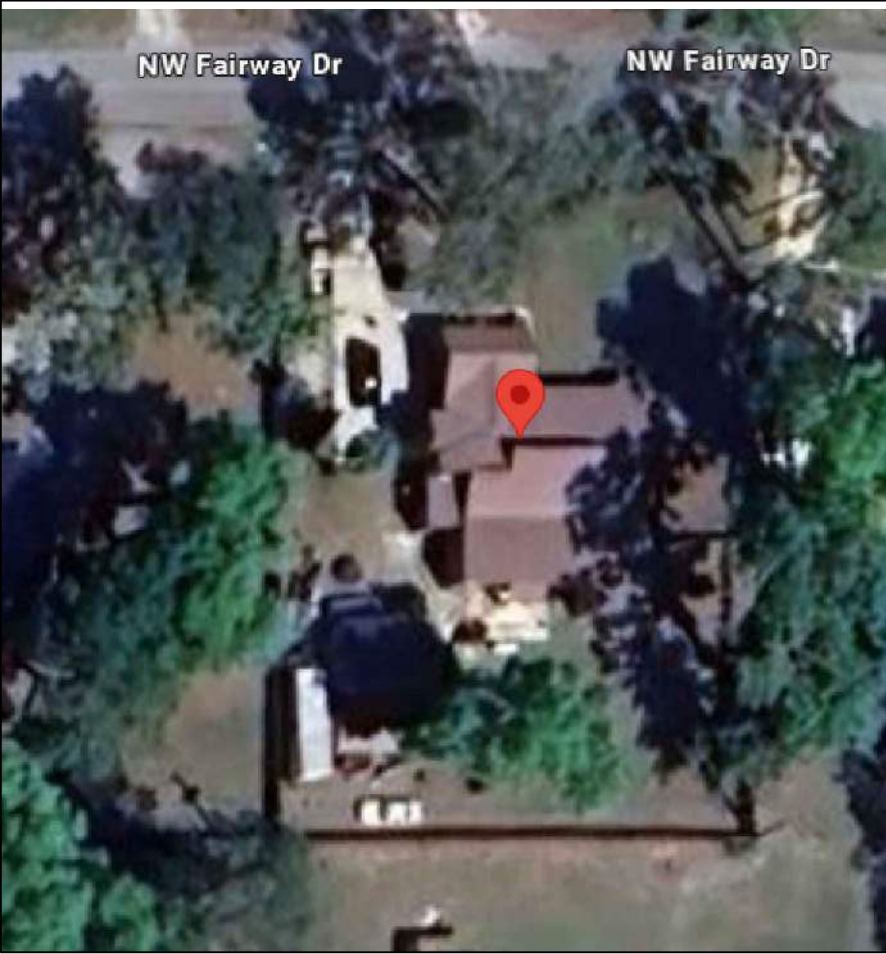
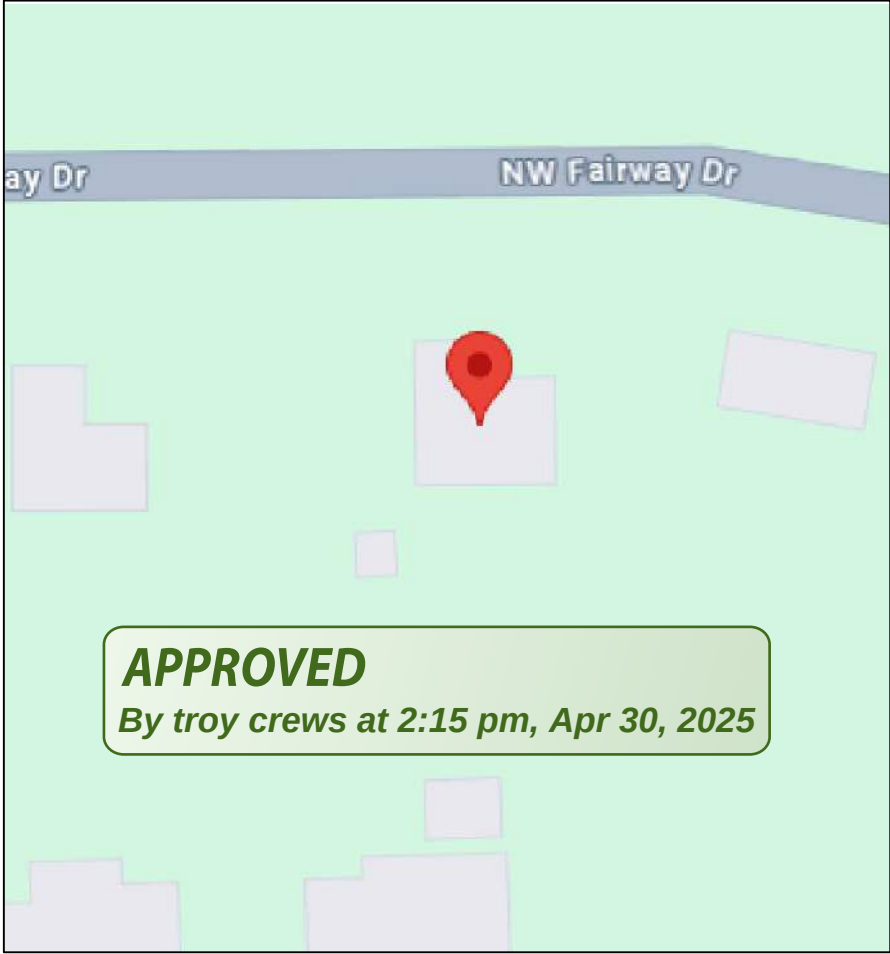


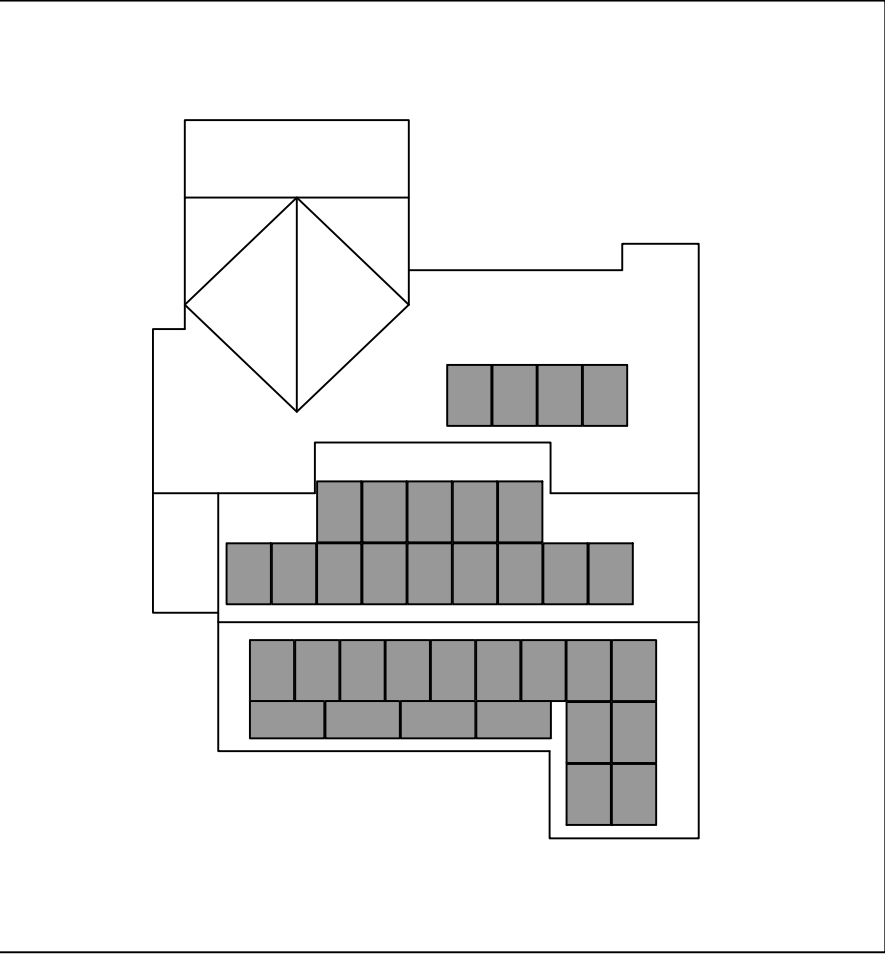
LOCATION MAP



SATELLITE VIEW



INSTALLATION PREVIEW



GENERAL NOTES:

- (1) The contractor shall verify all existing conditions which will affect the installation of all new work. If discrepancies are discovered, engineer must be notified before proceeding with any modification to the approved documents.
- (2) Installer shall assume full responsibility and liability for compliance with regulations per federal OSHA and local regulations pertaining to work practices, protection of workers and visitors to the site.
- (3) All construction shall comply with all state, county, and local codes on their latest edition.
- (4) All materials shall be in new and unused condition.
- (5) Inverter/s must be listed to UL-1741 "Utility interactive"
- (6) Manufacturer's material equipment, etc. Shall be installed per manufacturer's recommendations and instructions.
- (7) The contractor is responsible for the adequate bracing of all structural and nonstructural components during construction.
- (8) Any battery system installed in a location where they are subject to vehicle damage needs to be protected by approved barriers (safety bollards).
- (9) Do not scale drawings, written dimensions take precedence over drawings. If scale or written dimensions do not exist, which are necessary for construction, the contractor must contact the engineer to obtain the latest and most correct documents.
- (10) Information for the basic layout of this drawings was based on existing field dimensions, contractor must verify in field the actual conditions and notify engineer of any discrepancies.
- (11) The contractor is solely responsible for the means and methods of construction and the safety of construction workers.
- (12) All work shall be performed by contractors possessing valid certifications of competency and occupational licenses recognized and accepted by the local government having jurisdiction or by owner.
- (13) To the best of my knowledge, the plans and specifications submitted herewith comply to all existing interpretations and provisions of the applicable building codes at the time of the plans perpetration. No warranty either expressed or implied is herewith given.
- (14) Contractor / owner shall verify all dimensions related to any part of construction prior to beginning work or ordering fabricated materials required for construction.
- (15) Solar contractor is responsible for all installations. Engineer retained on the project is responsible for design only. In case of leans, uplifts, wind damage, incorrect installation or otherwise; Engineer is not responsible for any and all damages to the owner's property.
- (16) Solar contractor will be responsible of sealing the penetrations to the roof substrate. Engineer is not responsible of any property damage caused by water leaking.
- (17) Installation by solar contractor shall be in compliance with Florida Fire Prevention Code (FFPC) 8th Edition, NFPA 1 & NFPA 101 (2021 edition).
- (18) Per NFPA 1 (11.12.1) Photovoltaic systems shall be in accordance with Section 11.12 and NFPA 70.
- (19) This permit is only for solar panels as shown herein. All other site improvements or structures shown in the approved plans, including portions of the structure where the solar panels are being installed is not a part of the scope of this permit and this permit does not evidence the legal or permitted status of the same. Approval of this part shall not be construed as evidence that any portion of the structure(s)/roof, except for the solar panels permitted by this permit (but including any portion of the structure below) is legally permitted or legally permitted by this permit.
- (20) The contractor is obliged to furnish the field inspector with the latest photographs that illustrate the Fire pathway clearance on the roof. These images should distinctly demonstrate compliance with the relevant code regulations, inclusive of appropriate measurements.
- (21) The contractor shall provide onsite an electric meter [amp-multimeter] to demonstrate with the field inspector that the rapid shutdown functions properly.

SHEET INDEX

- PV - 1COVER PAGE
- PV - 2STRUCTURAL PLAN
- PV - 3ELECTRICAL DIAGRAM & WARNING LABELS
- PV - 4DATA SHEETS

SCOPE OF WORK

SYSTEM SIZE:DC SIZE : 13.825 KW DC
AC SIZE : 12.960 KW AC

(N) (35) MISSION SOLAR MSE395SX9R (395W) PV MODULES
(N) (9) HOYMILES HMS-1600-4T-NA MICROINVERTERS
(N) (1) 125A LOAD CENTER

S-5! SOLARFOOT MOUNTS WITH UNIRAC RAILS

DESIGN SPECIFICATION

OCCUPANCY:II

CONSTRUCTION:SFR

ZONING:RESIDENTIAL

GROUND SNOW LOAD:4 psf

WIND EXPOSURE:2

WIND SPEED:119 mph

AUTHORITIES HAVING JURISDICTION

BUILDING: COLUMBIA COUNTY

ZONING: COLUMBIA COUNTY

UTILITY: FPL

APPLICABLE CODES & STANDARDS

FLORIDA RESIDENTIAL CODE, 8TH EDITION 2023 (FRC)

FLORIDA BUILDING CODE, 8TH EDITION 2023 (FBC)

FLORIDA FIRE PREVENTION CODE, 8TH EDITION 2023 (FFPC)

FLORIDA EXISTING BUILDING CODE, 8TH EDITION 2023 (FBC EX)

NATIONAL ELECTRICAL CODE, NEC 2023 CODE BOOK, NFPA 70

PROJECT NAME & ADDRESS

YVONNE JACKSON

776 NW FAIRWAY DRIVE,
LAKE CITY, FL 32055

AMERICAN SOLAR
INSTALLATION COMPANY

3241 NW 38th St. Miami, FL 33142

AHJ STAMP

Digitally signed
by Matthew R. Craig

Reason: I am
approving this
document.

Date:
2025.03.12
05:30:42-04'00'

SYSTEM SIZE

(N) 13.825 KW DC
(N) 12.960 KW AC

REVISIONS

REV	DESCRIPTION	DATE			

SHEET TITLE

COVER PAGE

DRAWN DATE

03/11/2025

DRAWN BY

JC

REVIEWED BY

-

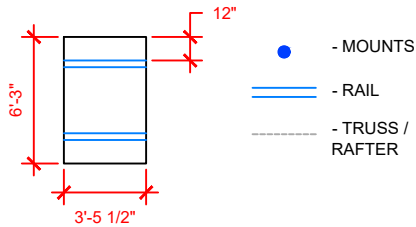
SHEET TITLE

PV - 1

NOTES:

1. ALL CONSTRUCTION / INSTALLATION IS TO COMPLY WITH THE FOLLOWING: ALL DIMENSIONS ARE APPROXIMATE.
2. ROOF VENTS, SKYLIGHTS, WILL NOT BE COVERED UPON PV INSTALLATION.
3. AC DISCONNECT IS LOCATED WITHIN 10FT FROM THE UTILITY METER.

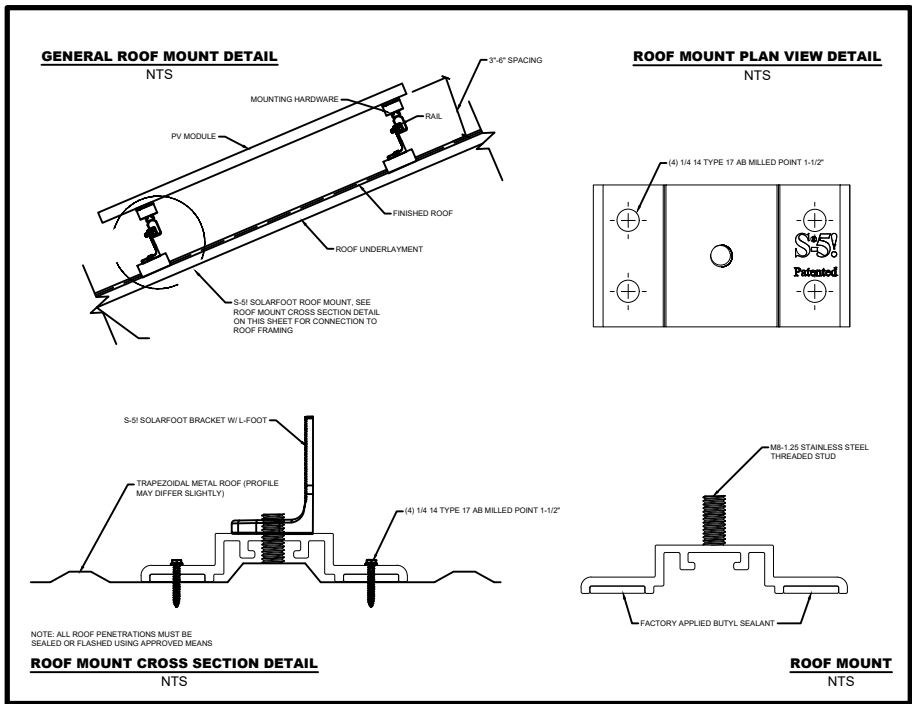
TRUSS/RAFTERS LOCATIONS ARE APPROXIMATE. ACTUAL LOCATIONS MAY DIFFER AND CONTRACTOR MAY NEED TO ADJUST MOUNT LOCATIONS. IN NO CASE SHALL THE MOUNT SPACING EXCEED "MAX. MOUNT SPACING"



ROOF SECTION(S)			
	MODULE	TILT	AZIMUTH
ROOF 1	17	25°	180°
ROOF 2	14	25°	360°
ROOF 3	4	25°	360°

NOTES:

1. LOCATION OF JUNCTION BOX(ES), AC DISCONNECT(S), AC COMBINER PANEL(S), AND OTHER ELECTRICAL EQUIPMENT RELEVANT TO PV INSTALLATION SUBJECT TO CHANGE BASED ON SITE CONDITIONS.
2. SETBACKS AT RIDGES CAN BE REDUCED TO 18 INCHES IF TOTAL PV AREA IS WITHIN 33% OF TOTAL ROOF AREA IN COMPLIANCE WITH IBC 2023:
- TOTAL ROOF AREA = 2117 SQFT
TOTAL PV AREA = 35(75.08" X 41.5")/(144 IN^2)
= 757.40 SQFT
(757.40 SQFT/2117 SQFT)100 = 35.78%
TOTAL PV AREA POPULATES 35.78% OF TOTAL ROOF AREA



MODULE TYPE, DIMENSIONS & WEIGHT:

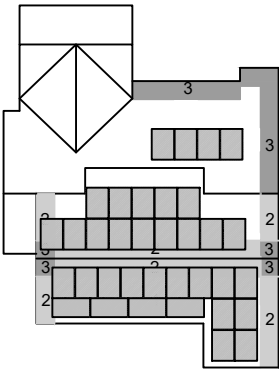
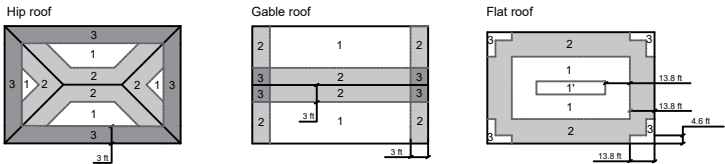
NUMBER OF PANELS IN ARRAY = 35 MODULES
MODULE TYPE = MISSION SOLAR MSE395SX9R PV MODULES
NUMBER OF CONNECTIONS TO ROOF = 121
WEIGHT OF INDIVIDUAL PANEL = 48.5 LBS / 22.00 KG
MOUNTING SYSTEM WEIGHT: 1.5 LBS PER MODULE
TOTAL WEIGHT OF ARRAY: 1697.50 LBS
WEIGHT AT EACH CONNECTION: 1697.50 LBS / 121 = 14.03 LBS
SOLAR PANEL AREA = 75.08" X 41.5" = 21.64 SQFT
TOTAL ARRAY AREA = 35X21.64 = 757.40 SQFT
DISTRIBUTED LOAD = 1697.50/757.40 = 2.24 PSF

PHOTOVOLTAIC MODULE GENERAL NOTES

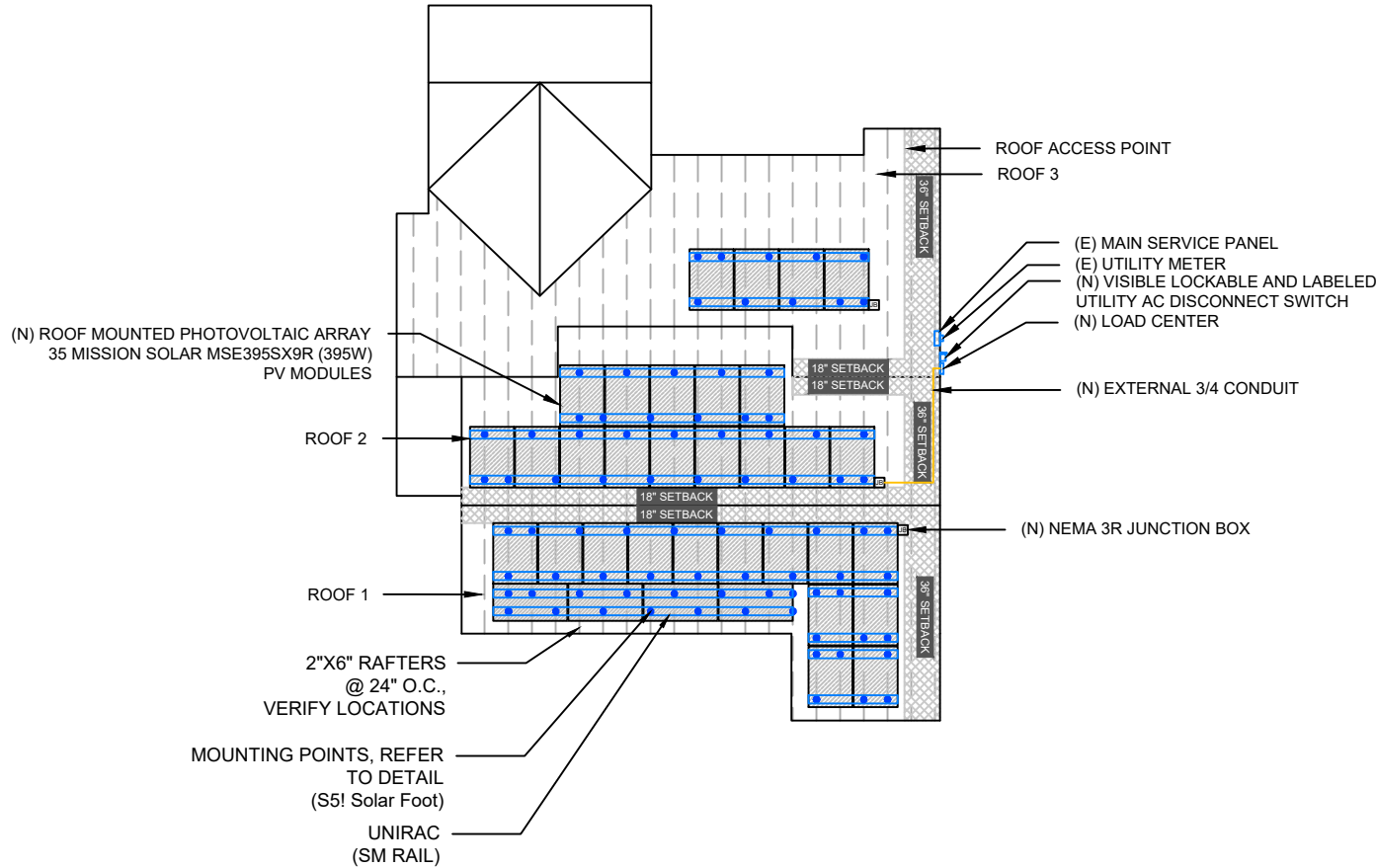
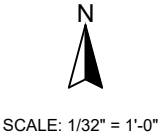
- APPLICABLE CODE: 2023 FLORIDA BUILDING CODE 8th ED. & ASCE 7-22 MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
- BOLT DIAMETER AND EMBEDMENT LENGTHS ARE DESIGNED PER NDS(2023) REQUIREMENTS. ALL BOLT CAPACITIES ARE BASED ON A WOOD ROOF RAFTER AS EMBEDMENT MATERIAL
- ALL WIND DESIGN CRITERIA AND PARAMETERS ARE FOR HIP AND GABLE RESIDENTIAL ROOFS, CONSIDERING FROM A 7° TO A MAXIMUM 27° (2/12 TO A MAXIMUM 6/12 PITCH) ROOF IN SCHEDULE. ALL RESIDENTIAL ROOFS SHALL NOT EXCEED 30'-0" MEAN ROOF HEIGHT.
- ROOF SEALANTS SHALL CONFORM TO ASTM C920 AND ASTM 6511.
- THIS SHEET REFLECTS STRUCTURAL CONNECTIONS ONLY. REFER TO MANUFACTURER'S MANUAL FOR ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND SOLAR SPECS.
- ALL ALUMINUM COMPONENTS SHALL BE ANODIZED ALUMINUM 6105-T5 UNLESS OTHERWISE NOTED.
- LAG BOLTS SHALL BE ASTM A276 STAINLESS STEEL UNLESS OTHERWISE NOTED.
- ALL RAILING AND MODULES SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- I CERTIFY THAT THE INSTALLATION OF THE MODULES IS IN COMPLIANCE WITH FBC: BUILDING CHAPTER 16 AND FBC: RESIDENTIAL CHAPTER 3. BUILDING STRUCTURE WILL SAFELY ACCOMMODATE CALCULATED WIND LATERAL AND UPLIFT FORCES, AND EQUIPMENT DEAD LOADS.

WIND LOAD INFORMATION:
THIS SYSTEM HAS BEEN DESIGN TO MEET THE REQUIREMENTS OF THE 8TH EDITION OF THE FLORIDA BUILDING CODE AND USED THE FOLLOWING DESIGN PARAMETERS:
ULTIMATE WIND SPEED: 119 MPH
EXPOSURE CATEGORY: 2
RISK CATEGORY: II
MEAN ROOF HEIGHT: 15

- WIND ZONE 1
- WIND ZONE 2
- WIND ZONE 3



Roof Wind Zones and module exposure as per ASCE 7-22 Figure 30.3-2A to 2I and ASCE 7-22 29.4.4



SITE PLAN
SCALE: 1/16" = 1'-0"

AMERICAN SOLAR
INSTALLATION COMPANY
3241 NW 38th St. Miami, FL 33142

PROJECT NAME & ADDRESS
YVONNE JACKSON
776 NW FAIRWAY DRIVE,
LAKE CITY, FL 32055

AHJ STAMP

Digitally signed by Matthew R. Craig
Reason: I am approving this document.
Date: 2025.03.12 05:30:42-04'00'

SYSTEM SIZE
(N) 13.825 KW DC
(N) 12.960 KW AC

REVISIONS	DATE			
	DESCRIPTION			
REV				

SHEET TITLE
STRUCTURAL
PLAN

DRAWN DATE	03/11/2025
DRAWN BY	JC
REVIEWED BY	-

SHEET TITLE
PV - 2

"ALL EXPOSED PV ROOFTOP CONDUCTORS THAT ARE NOT LOCATED UNDER THE ARRAY MODULES, SHALL INCLUDE LISTED JUNCTION BOXES AT BOTH ENDS OF THE RACEWAY TO TRANSITION FROM EXPOSED CONDUCTORS TO THE LISTED RACEWAYS."

PHOTOVOLTAIC INSTALLATION ELECTRICAL DIAGRAM
RATED 13,825 DC WATTS UNDER (STC)

- (2) BRANCHED CIRCUITS OF 12 MODULES
(1) BRANCHED CIRCUITS OF 11 MODULES

ADDITIONAL NOTES:
MARKING IS REQUIRED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES TO ALERT THE FIRE SERVICE TO AVOID CUTTING THEM. MARKING SHOULD BE PLACED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, AND CABLE ASSEMBLIES, AT A MINIMUM OF EVERY 10 FEET, AT TURNS AND ABOVE AND OR BELOW PENETRATIONS AND ALL DC COMBINER AND JUNCTION BOXES

AMBIENT TEMPERATURE SPECS	
RECORD LOW TEMP	35°
AMBIENT TEMP (HIGH TEMP 2%)	37°
CONDUCTOR HEIGHT	0.5"
CONDUCTOR TEMPERATURE RATE	90°

PERCENT OF VALUES	NUMBER OF CURRENT CARRYING CONDUCTORS IN EMT
.80	4-6
.70	7-9
.50	10-20

NOTE:
1. SUBJECT PV SYSTEM HAS BEEN DESIGNED TO MEET THE REQUIREMENT OF THE NEC 2023, NFPA 70 AND THOSE SET FORTH BY THE FLORIDA SOLAR ENERGY CENTER CERTIFICATION, INCLUDING MAXIMUM NUMBER OF MODULE STRINGS, MAXIMUM NUMBER OF MODULES PER STRING, MAXIMUM OUTPUT, MODULE MANUFACTURER AND MODEL NUMBER, INVERTER MANUFACTURER AND MODEL NUMBER, AS APPLICABLE.
2. PROVIDE TAP BOX IN COMPLIANCE WITH 312.8 IF PANEL GUTTER SPACE IS INADEQUATE.

GROUNDING & GENERAL NOTES

- PV INVERTER IS UNGROUNDED, TRANSFORMER-LESS TYPE
- DC EGC AND AC EGC TO BE SPLICED TO EXISTING ELECTRODE
- ANY EXISTING WIRING INVOLVED WITH PV SYSTEM CONNECTION THAT IS FOUND TO BE INADEQUATE PER CODE SHALL BE CORRECTED PRIOR TO FINAL INSPECTION
- JUNCTION BOX QUANTITIES, AND PLACEMENT SUBJECT TO CHANGE IN THE FIELD - JUNCTION BOXES DEPICTED ON ELECTRICAL DIAGRAM REPRESENT WIRE TYPE TRANSITIONS
- AC DISCONNECT NOTED IN EQUIPMENT SCHEDULE OPTIONAL IF OTHER AC DISCONNECTING MEANS IS LOCATED WITHIN 10' OF SERVICE DISCONNECT
- SIZING OF OVERCURRENT PROTECTION DEVICES ARE ROUNDED TO THE NEAREST WHOLE AMPERE WITH DECIMAL FRACTIONS SMALLER THAN 0.5 DROPPED ACCORDING TO 220.5(B)

INTERCONNECTION NOTES

- INTERCONNECTION SIZING, LIMITATIONS AND COMPLIANCE DETERMINED IN ACCORDANCE WITH [NEC 705.12]
- GROUND FAULT PROTECTION IN ACCORDANCE WITH [NEC 215.9], [NEC 230.95] AND [NEC 690.41]
- ALL EQUIPMENT TO BERATED FOR BACKFEEDING
- PV BREAKER TO BE POSITIONED AT THE OPPOSITE END OF THE BUSBAR RELATED TO THE MAIN BREAKER

DISCONNECT NOTES

- DISCONNECTING SWITCHES SHALL BE WIRED SUCH THAT WHEN THE SWITCH IS OPENED THE CONDUCTORS REMAINING LIVE ARE CONNECTED TO THE TERMINALS MARKED "LINE SIDE" (TYPICALLY THE UPPER TERMINALS)
- AC DISCONNECT MUST BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, BE LOCKABLE, AND BE A VISIBLE-BREAK SWITCH

WIRE SCHEDULE											
TAG	CONDUCTOR DETAILS	GROUND DETAILS	CONDUIT SIZE	CONDUCTOR RATING	AMBIENT TEMP	DEGREE COLUMN	TEMP DERATE	# OF CONDUCTOR DERATE	CONDUCTOR RATING W/ DERATES	CONDUIT FILL	
#	(2) #12 PV CABLE CU	(1) #6 AWG BARE CU	FREE AIR	30 A	37°C	90°C	0.91	1	27.3 A	FREE AIR	
2	(6) #10 AWG THHN/THWN-2, CU	(1) #8 AWG THWN-2, CU	3/4" EMT OR PVC	40 A	37°C	90°C	0.91	0.8	29.12 A	29.6%	
3	(3) #4 AWG THWN-2, CU	(1) #8 AWG THWN-2, CU	1" EMT OR PVC	95 A	37°C	90°C	0.91	1	86.45 A	31.7%	

SOLAR MODULE SPECIFICATIONS	
MANUFACTURER / MODEL	MISSION SOLAR MSE395SX9R (395W) PV MODULES
VMP	36.99 V
IMP	10.68 A
VOC	45.18 V
ISC	11.24 A
DIMENSION	75.08" L X 41.5"W X 1.57" D

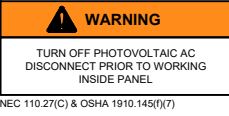
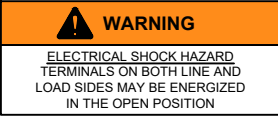
INVERTER SPECIFICATIONS	
MANUFACTURER / MODEL	HOYMILES HMS-1600-4T-NA MICROINVERTERS
MAXIMUM OUTPUT POWER	1440 W
NOMINAL VOLTAGE	240 A
NOMINAL OUTPUT CURRENT	6 A
INVERTER QUANTITY	9

PV OVERCURRENT PROTECTION ...NEC 690.9(B)
= TOTAL INVERTER O/P CURRENT x 1.25
= (9 x 6) x 1.25 = 67.50 A

SELECTED OCPD = 70 A ...NEC 240.6

WARNING LABELS

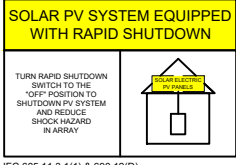
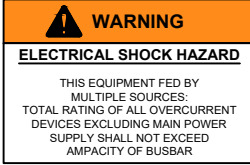
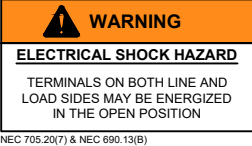
LABEL LOCATION : COMBINER BOX / CIRCUITS / CONDUIT COMBINER BOX / ENCLOSURES / EMT ENCLOSURES



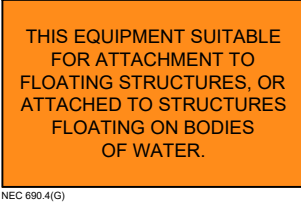
LABEL LOCATION : EMT / CONDUIT RACEWAYS



LABEL LOCATION : AC DISCONNECT / BREAKER / POINTS OF CONNECTION



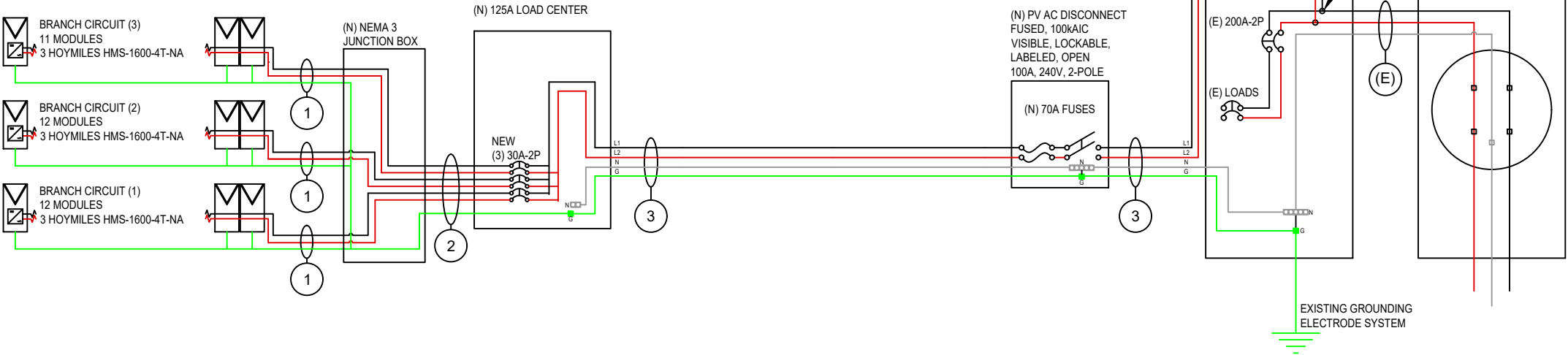
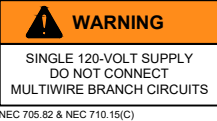
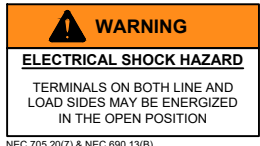
LABEL LOCATION : BUILDING / STRUCTURE



LABEL LOCATION : MAIN SERVICE DISCONNECT / UTILITY METER



LABEL LOCATION : MAIN SERVICE DISCONNECT



AMERICAN SOLAR
INSTALLATION COMPANY
3241 NW 38th St. Miami, FL 33142

PROJECT NAME & ADDRESS

YVONNE JACKSON
776 NW FAIRWAY DRIVE,
LAKE CITY, FL 32055

AHJ STAMP

Digitally signed
by Matthew R. Craig
Reason: I am
approving this
document.
Date:
2025.03.12
05:30:43-04'00'

SYSTEM SIZE

(N) 13.825 KW DC
(N) 12.960 KW AC

REVISIONS	DATE				
	DESCRIPTION				
REV					

SHEET TITLE
ELECTRICAL
DIAGRAM AND
LABELS

DRAWN DATE	03/11/2025
DRAWN BY	JC
REVIEWED BY	-

SHEET TITLE
PV - 3

PV MODULE

MSE PERC 66

MISSION SOLAR ENERGY

395W
Standard power output 4 to 12%



**True American Quality
True American Brand**

mission solar energy manufactures solar panels, solar charge controllers and inverters in the USA. Our products are made with the highest quality components and are backed by a 10-year warranty. We are proud to be a true American company and we are committed to providing the best products and service to our customers.

Demand the Best. Demand Mission Solar Energy.

Get the Best Value

- 395W PERC Solar Panel
- 10 Year Warranty
- Best Price Guarantee

Advanced Technology

- PERC
- 60 Cells
- 10 Year Warranty

Extreme Weather Resistant

- 10 Year Warranty
- 10 Year Warranty
- 10 Year Warranty

100% American Made Components

- 100% American Made Components
- 100% American Made Components

FRAME/FRAME WARRANTY

10 Year/100,000 Hours

10 Year/100,000 Hours

10 Year/100,000 Hours

CERTIFICATIONS

UL, TUV, ISO, CE, FCC, RoHS, REACH, WEEE, PSE, KC, CB, ENEC, VDE, BSI, KEMA, IEC, UL, TUV, ISO, CE, FCC, RoHS, REACH, WEEE, PSE, KC, ENEC, VDE, BSI, KEMA, IEC

AMERICAN MADE

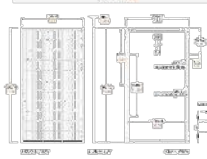
MADE IN THE USA

MADE IN THE USA

MADE IN THE USA

High-Efficiency
395W PERC

Panel Dimensions



1650mm x 992mm x 35mm

ELECTRICAL SPECIFICATION

Parameter	Value
Power (P _{max})	395W
Voltage (V _{oc})	44.5V
Current (I _{sc})	8.90A
Power (P _{max})	395W
Voltage (V _{mp})	36.0V
Current (I _{mp})	11.0A
Power (P _{max})	395W
Voltage (V _{oc})	44.5V
Current (I _{sc})	8.90A
Power (P _{max})	395W
Voltage (V _{mp})	36.0V
Current (I _{mp})	11.0A

Temperature Coefficient

Power (P_{max}) -0.45%/°C

Voltage (V_{oc}) -0.25%/°C

Current (I_{sc}) 0.05%/°C

Current-Voltage Curve



OPERATING CONDITIONS

Standard Test Conditions (STC): 1000W/m², 25°C, AM1.5

Operating Temperature: -40°C to +85°C

Humidity: 95% RH

Wind Speed: 24m/s

Snow Load: 2.0kN/m²

Ice Load: 0.5kN/m²

CERTIFICATIONS AND TESTS

IEC 61215, IEC 61730, UL 1703, UL 1741, CE, FCC, RoHS, REACH, WEEE, PSE, KC, ENEC, VDE, BSI, KEMA, IEC

MISSION SOLAR ENERGY

10 Year/100,000 Hours

10 Year/100,000 Hours

10 Year/100,000 Hours

RACKING RAILS:

[illegible]

INVERTER

[illegible]

ROOF ATTACHMENT

S-5!®

The Right Way!®

Introducing the new SolarFoot™ for exposed fastener metal roofing with the strength, testing, quality, and time-proven integrity you expect from S-5! The SolarFoot provides an ideal mounting platform to attach the L-Flot foot included of a rail-mounted PV system to the roof. This solution is The Right Way to secure rail-mounted solar systems to exposed fastener metal such as AG-Panel or R-Panel.

SolarFoot Features:

- Manufactured in the U.S.A. from certified raw material
- Forged in our own 50,000 tonner facility
- All aluminum and stainless components
- Lifetime limited warranty
- Compatible with all commercial L-Flot products on the market
- Fasten applied 40-year hot-dip galvanneal neoprene crush-thru polymer sealant for reduced weathering
- Toolties designed to prevent over compression of sealant
- Load-deflects as tested normal to beam by a nationally recognized laboratory on thousands of steel roof manufacturers' profiles and materials

Four points of attachment into structure or deck with sealed fastening strength for engineered applications

Integrated with M6-1/2x1/4" Tensar stud and M6-1/2x25 stainless steel hex flange nut included

S-5!®

The Right Way!®

SolarFoot™: Mounting for Exposed Fastener Roofing

The SolarFoot is a simple, cost effective pedestal for L-Flot foot included attachment of rail-mounted solar PV. The unique design is compatible with all rail product L-Flot components. The new SolarFoot assembly ensures a double weathering solution for the life of the roof. Special factory applied built-in polymeric neoprene resistant to weather in the Right Way, creating a water-tight seal. Stainless integrated stud and hex flange locknut secure the L-Flot foot position. A low center of gravity reduces the moment arm commonly associated with L-Flot attachments. Direct attachment of the SolarFoot to the structural member or deck provides proven labeled holding strength.

Fasteners with neoprene sealant applied to the underside of the SolarFoot to provide a double weathering solution for the life of the roof.

Fastener Selection

Metal to Metal
L-Flot Foot Drilling Size
1-1/2" to 2-1/2"

Metal to Wood
L-Flot Foot Drilling Size
1-1/2" to 2-1/2"

To ensure fasteners for your projects, contact S-5!

When other brands claim to be "just as good as S-5!" tell them to PROVE IT.

S-5! Warning! Please use this product responsibly!

This document is written for informational purposes to assist in the design and installation of solar PV systems. It is not intended to be used as a design or construction specification. The design and construction of solar PV systems should be done by a qualified professional. The design and construction of solar PV systems should be done by a qualified professional. The design and construction of solar PV systems should be done by a qualified professional.

Copyright © 2011 S-5! Inc. All rights reserved.

SolarFoot Advantages:

Reduced system mounting platform for solar array attached on L-Flot and feet

Water-tight seal to prevent moisture intrusion

Build second neoprene pedestal

Long-term water-proof seal

M6-1/2x1/4" Tensar stud with M6 hex flange nut included

Electric energy can be used to drive screws for self-healing screws

Low Center of Gravity reduces moment arm commonly associated with L-Flot solar mounting systems

Attaches directly to structure or deck for structural building strength

Self-recommended substrate profile (e.g. steel, purlin, wood)

2x4, 2x6, 2x8, 2x10 fasteners provide excellent waterproofing and pull-out strength

Fastener through hole

Load capacity with M6-1/2x25 stainless steel hex flange nut

Fastener Design Specifications for Wood Construction

Distributed by:

The right way to attach almost anything to metal roofs!

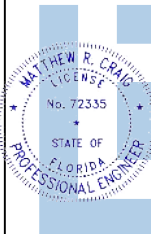
888-825-3432 | www.s-5.com | 1-800-825-3432

AMERICAN SOLAR
INSTALLATION COMPANY
3241 NW 38th St. Miami, FL 33142

PROJECT NAME & ADDRESS
YVONNE JACKSON

776 NW FAIRWAY DRIVE,
LAKE CITY, FL 32055

AHJ STAMP



Digitally signed
by Matthew R
Craig
Reason: I am
approving this
document.
Date:
2025.03.12
05:30:43-04'00

SYSTEM SIZE

(N) 13.825 KW DC
(N) 12.960 KW AC

REVISIONS		
REV	DESCRIPTION	DATE

SHEET TITLE

DATA SHEETS

DRAWN DATE	03/11/2025
DRAWN BY	JC
REVIEWED BY	-

SHEET TITLE
PV - 4