

PLAN KEY	
PV-1	COVER PAGE
PV-1.1	ATTACHMENT DETAIL
PV-2	ROOF LAYOUT
PV-3	ELECTRICAL
PV-3.1	ELECTRICAL CONT.
PV-3.2	EQUIPMENT LABELS



HANWHA Q.PEAK DUO BLK ML-G9+ 380
380 WATT MODULE
72.44" X 40.5" X 1.26"
(SEE DATASHEET)

BILL OF MATERIALS	
MODULES	28
INVERTERS	28
CLAMP ASSEMBLY	87
COUPLING ASSEMBLY	56
BONDING CLIP	22
SKIRTS	13
ENPHASE COMBINER BOX	1
EATON 60A FUSIBLE AC DISCONNECT	1
45A FUSES	2
125A LINE TAPS	2

SYSTEM INFORMATION	
MODULE	HANWHA Q.PEAK DUO BLK ML-G9+ 380
INVERTER	ENPHASE IQ7PLUS-72-2-US
RACKING	ECOFASTEN ROCK-IT & ESUNMOD0 EZ GRIP
SYSTEM SIZE (DC)	10.64 KW
LOCATION	29.8761140,-82.6673043

GENERAL NOTES:

THIS PV SYSTEM HAS BEEN DESIGNED TO MEET THE MINIMUM DESIGN STANDARDS FOR BUILDING AND OTHER STRUCTURES OF THE ASCE 7-16, 7TH EDITION 2020 FLORIDA RESIDENTIAL CODE, 7TH EDITION 2020 FLORIDA BUILDING CODE, 7TH EDITION 2020 FLORIDA FIRE PREVENTION CODE, NEC 2017 AND ALL LOCAL CODES & ORDINANCES.

ROOF SHALL HAVE NO MORE THAN TWO LAYERS OF COVERING IN ADDITION TO THE SOLAR EQUIPMENT.

INSTALLATION OF SOLAR EQUIPMENT SHALL BE FLUSH MOUNTED, PARALLEL TO AND NO MORE THAN 6-INCHES ABOVE THE SURFACE OF THE ROOF.

ANY PLUMBING VENTS ARE NOT TO BE CUT OR COVERED FOR SOLAR EQUIPMENT INSTALLATION. ANY RELOCATION OR MODIFICATION OF THE VENT REQUIRES A PLUMBING PERMIT AND INSPECTION.

ALL DESIGN, CALCULATIONS ARE PERFORMED BY DANIEL DUNZIK REGISTERED ARCHITECT. FLORIDA STATE STATUTE 471.003(3) PROVIDES THAT LICENSED ARCHITECTS ARE EXEMPTED FROM THE PROVISIONS OF CHAPTER 471 ENGINEERING AND NOT PRECLUDED FROM PERFORMING ENGINEERING SERVICES FOR INTEGRATED SYSTEMS AND SERVICES THAT ARE INCIDENTAL TO BUILDINGS AND STRUCTURES.

INVERTER PLACEMENT:

SYSTEM UTILIZES "ENPHASE" MICRO-INVERTERS WITH RAPID SHUTDOWN CONTROL LOCATED ON THE BACK SIDE OF EACH MODULE.

STRUCTURAL STATEMENT:

THE EXISTING STRUCTURE IS ADEQUATE TO SUPPORT THE NEW LOADS IMPOSED BY THE PHOTOVOLTAIC MODULE SYSTEM INCLUDING UPLIFT & SHEAR.EXISTING RAFTER SIZES & DIMENSIONS CONFORM TO 7TH EDITION 2020 FLORIDA RESIDENTIAL CODE

MOUNTING BRACKETS AND HARDWARE MEET OR EXCEED FLORIDA CODE REQUIREMENTS FOR THE DESIGN CRITERIA OF THE TOWN.

FSEC CERTIFICATION STATEMENT:

PER FL. STATUE 377.705 , I, MINA A. MAKAR PE# 86753, CERTIFICATE OF AUTHORIZATION #33404, AN ENGINEER LICENSED PURSUANT TO CHAPTER 471,CERTIFY THAT THE PV ELECTRICAL SYSTEM AND ELECTRICAL COMPONENTS ARE DESIGNED AND APPROVED USING THE STANDARDS CONTAINED IN THE MOST RECENT VERSION OF THE FLORIDA BUILDING CODE. FBC 2020

CLIMATIC & GEOGRAPHIC DESIGN CRITERIA TABLE R301.2(1)	
SPEED (MPH)	130
TOPOGRAPHIC EFFECTS	B
SPECIAL WIND REGION	NO
WIND BORNE DEBRIS ZONE	2
SEISMIC DESIGN CATEGORY	C
CLIMATE ZONE	2A
WIND EXPOSURE CATETORY	B

FBC, RESIDENTIAL 2020

TABLE R301.2.1.3												
WIND SPEED CONVERSIONS ^a												
V _{ult}	110	115	120	130	140	150	160	170	180	190	200	
V _{asd}	85	89	93	101	108	116	124	132	139	147	155	

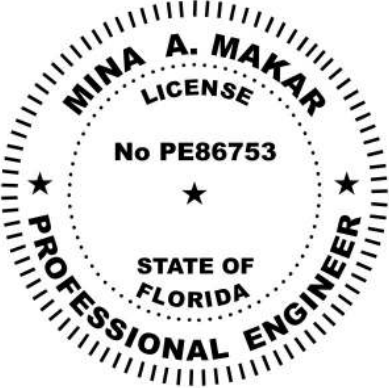
For SI: 1 mile per hour = 0.447 m/s.

- a. Linear interpolation is permitted.



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325 HIGH STREET, METUCHEN, NJ 08840
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5728 MAJOR BLVD. SUITE 307, ORLANDO FL. 32819

CUSTOMER INFORMATION

MJ JOWERS - MS76358
308 SW SPIRIT AVE
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3525626976

PV SYSTEM INFORMATION

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28 MODULES: HANWHA Q.PEAK DUO BLK ML-G9+ 380
28 INVERTERS: ENPHASE IQ7PLUS-72-2-US

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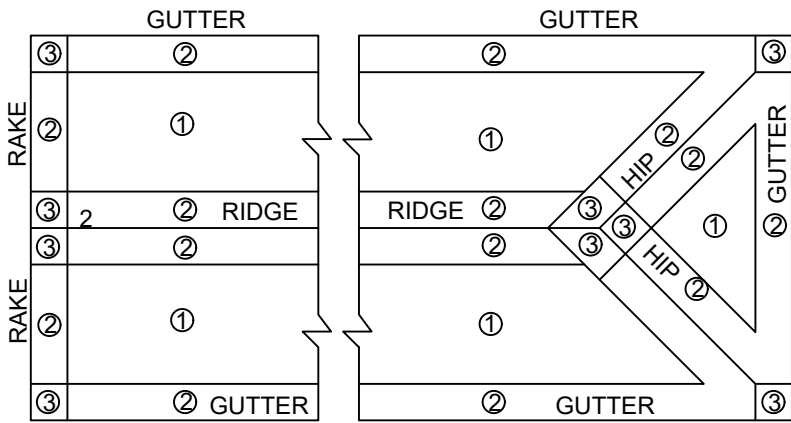
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REV:	DATE:	DESIGNER:
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COVER PAGE

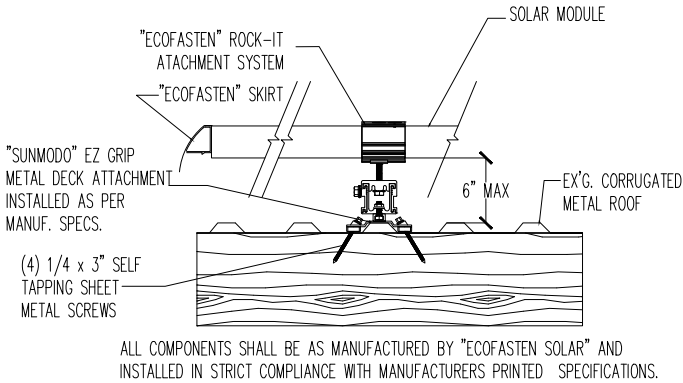
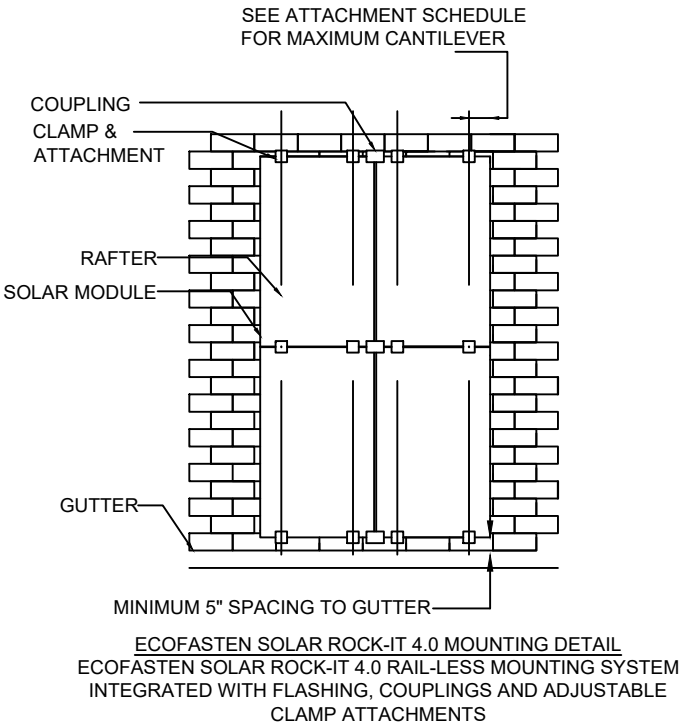
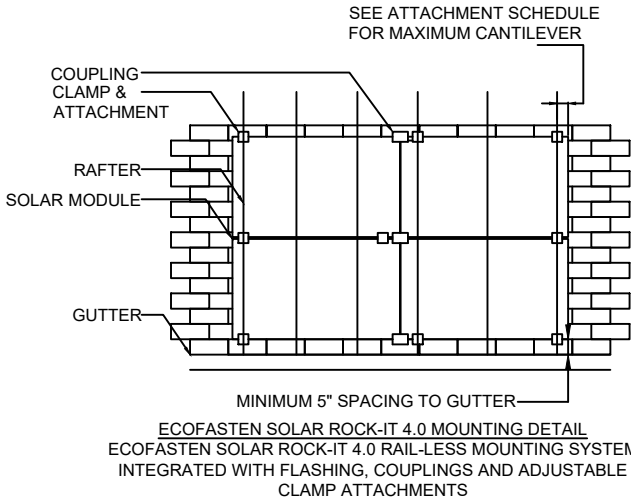
PV-1

1. ALL WIND DESIGN CRITERIA ARE FOR LOW SLOPE ROOFS, GABLE AND HIP ROOFS CONSIDERED FROM AN ANGLE OF MIN. 9.5 ° ($\frac{2}{12}$) TO MAX. 45° ($\frac{12}{12}$) NOT TO EXCEED 30' MEAN ROOF HEIGHT ATTACHED WITH FASTENERS AS SPECIFIED BY THE MANUFACTURER.
2. SPAN TABLES ARE DERIVED FROM MECHANICAL LOAD TESTS PERFORMED BY THE MANUFACTURERS INDEPENDENT TESTING AGENCIES ON BEHALF OF THE MANUFACTURER.
3. ROOF SEALANTS SHALL CONFORM TO ASTM C920 AND ASTM 6511
4. ALL ATTACHMENTS SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.

ATTACHMENT SPACING EXCEED MANUFACTURERS SPECIFICATIONS FOR WIND LOADS AS PER ASCE 07-10. RISK CATEGORY II TOPOGRAPHIC EFFECTS B,C, & D AND ROOF WIND ZONES 1,2,& 3. ROOF ZONES 2 & 3 ARE WITHIN 48" OF ANY OUTER EDGE, HIP, RIDGE, OR GUTTER LINE FOR STRUCTURES 30'- 0" OR LESS MEAN ROOF HEIGHT.



ROOF WIND ZONES AS PER IRC R301.2(7)
ROOF ZONES 2 & 3 ARE 48" FROM OUTER ROOF EDGES, RIDGES, HIPs, RAKES, AND GUTTER EDGES FOR STRUCTURES BELOW 30'-0" MEAN ROOF HT.



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978

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1000

REV

DESCRIPTION

BY

DATE

1

INITIAL RELEASE

1

10/18/2018

2

ADD 8/16/2018

2

10/18/2018

IN 1/2" PLYWOOD

LOAD DIRECTION

FOS-2

FOS-3

UPLIFT

345

230

LATERAL PERP. TO SLOT

140

90

LATERAL PARALLEL TO SLOT

265

175

IN 7/16" OSB

LOAD DIRECTION

FOS-2

FOS-3

UPLIFT

190

125

LATERAL PERP. TO SLOT

125

80

LATERAL PARALLEL TO SLOT

135

90

NOTES

* Factor of Safety as shown

* Torque at 3/8" T-Bolt = 15ft.lbs (20 N.m)

* All loads in pounds force

* Values valid only for conditions equal or better than test conditions

* Values valid only when product is used in accordance with SunModo installation instruction and other technical documentation

* The kit as shown in the BOM. For alternative configurations, contact SunModo

4 1/4" Deck Screws in Min 7/16" OSB

B

8B15018-001

SEALING WASHER 26 ID X .50 X .125

4

7B15018-001

HEX CAP SCREW 3/8-16 X 3/4

1

9C50001-001

GASKET EPDM WITH ADHESIVE

2

5B15003-001

FLANGE NUT 3/8-16

2

4B20007-002

T-BOLT 3/8-16X1.0", 304 SS

1

3A20062-001

L FOOT

1

2B15039-001

HEX WASHER HEAD LAG BOLT 1/4X3

4

1A30224-001

METAL ROOF DECK MOUNT

1

ITEM

PART NUMBER

DESCRIPTION

QTY

SEE NOTES

SunModo Corp.

14800 NE 65TH STREET, VANCOUVER WA 98682

TITLE

METAL ROOF DECK MOUNT KIT

B

DRAWING NUMBER

K50532-001 STRUCTURE

CHECKED BY

10/18/2018

APPROVALS

SCALE: NONE

SHEET 1 of 1

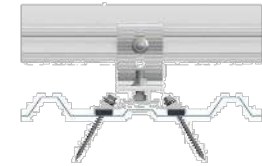


EZ GRIP METAL DECK MOUNT

Make your next metal roof attachment without the daunting task of locating the truss. SunModo's EZ Grip Metal Deck Mount installs into 26 gauge sheet metal, 1/2 plywood or 7/16 OSB roof decking material.

SunModo's EZ Grip Metal Deck Mount installs in just minutes into sheet metal, plywood or OSB roof decking. The four included 1/4 x 3" Hex Washer Head Self-tapping Screws have the length to penetrate through 1-1/2 inches of insulation while still piercing completely through the roof decking. And since the four screws are guided by the aluminum extruded base to penetrate at a 30-degree angle, the Metal Roof Deck Mount Kit offers superior attachment performance. 1/4-20 Self-drilling screws can be used for attachments into 26 gauge minimum thickness metal roofs.

The EZ Grip Metal Deck Mount is designed to fit on the most popular R-Panel and U-Panel trapezoidal types of metal roofs. The aluminum extruded base easily clears roof profiles 7/16" tall by 1-1/2" wide. The EPDM gaskets on the washers and on the aluminum extruded base combine to provide a water tight seal at the roof penetration site.



Features and Benefits

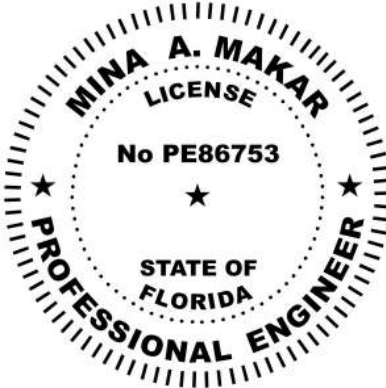
- Attaches into 1/2 plywood or 7/16 OSB roof decking material using four 1/4 x 3" Hex Washer Head Self-tapping Screws
- Attaches into 26 gauge minimum thickness sheet metal using four 1/4 x 2" Hex Washer Head Self-drilling Screws
- Angled penetrations provide superior attachment performance
- A wide variety of L-feet and attachment options are available
- Passed the High-Velocity Hurricane Zone (HVHZ) -TAS 100(a) Wind-Driven Rain Test

SunModo Corp | Vancouver, WA | 360-844-0048
Document Number D10153-V003 | ©2019 - SunModo Corp.



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MJ JOWERS - MS76358
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3525626976

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PROJECT INFORMATION

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REV:	DATE:	DESIGNER:
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ATTACHMENT DETAIL

PV-1.1

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

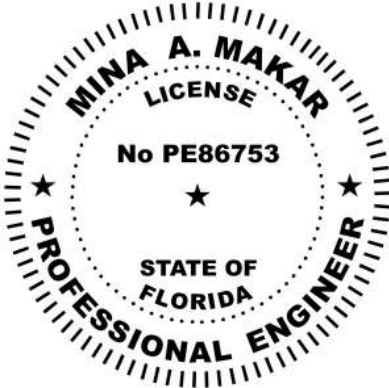


ROOF	PANEL COUNT	TILT	AZIMUTH	SHADING	LANDSCAPE MAX SPAN (ROOF AREA 1/2/3)	PORTRAIT MAX SPAN (ROOF AREA 1/2/3)	LANDSCAPE MAX CANTILEVER	PORTRAIT MAX CANTILEVER
R1	8	20°	270°	81%	48 /32 /32	48 /32 /32	16 /10 /10	16 /10 /10
R2	4	20°	180°	79%	48 /32 /32	48 /32 /32	16 /10 /10	16 /10 /10
R3	5	18°	0°	78%	48 /32 /32	48 /32 /32	16 /10 /10	16 /10 /10
R4	5	20°	0°	87%	48 /32 /32	48 /32 /32	16 /10 /10	16 /10 /10
R5	6	20°	90°	76%	48 /32 /32	48 /32 /32	16 /10 /10	16 /10 /10



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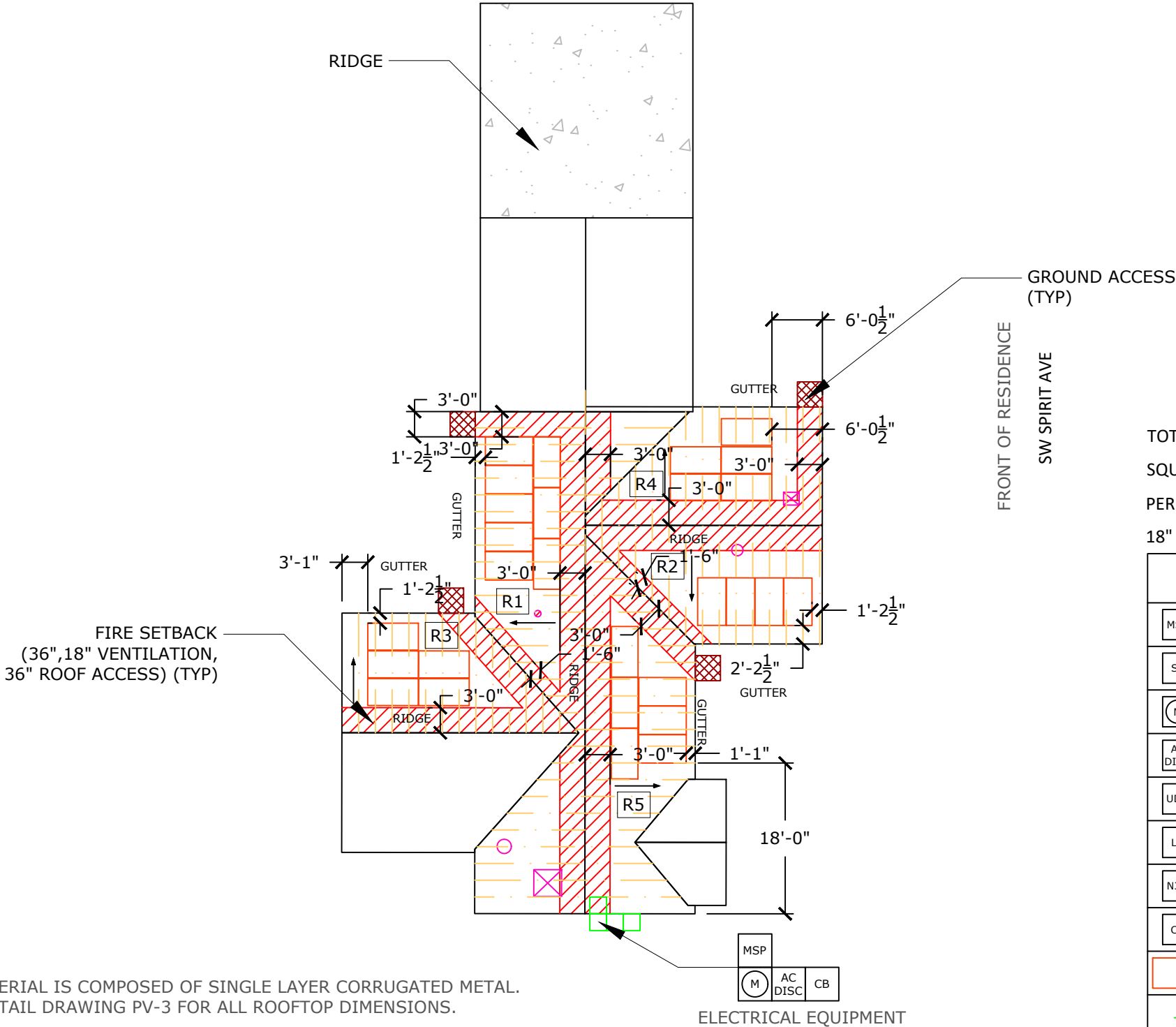
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ROOF LAYOUT

PV-2



TOTAL SQUARE FOOTAGE OF ROOF: 3101 SQFT
SQUARE FOOTAGE OF SOLAR ARRAY: 784 SQFT
PERCENTAGE OF SOLAR ROOF COVERAGE: 18.4%
18" RIDGE SETBACK SHALL BE REQUIRED

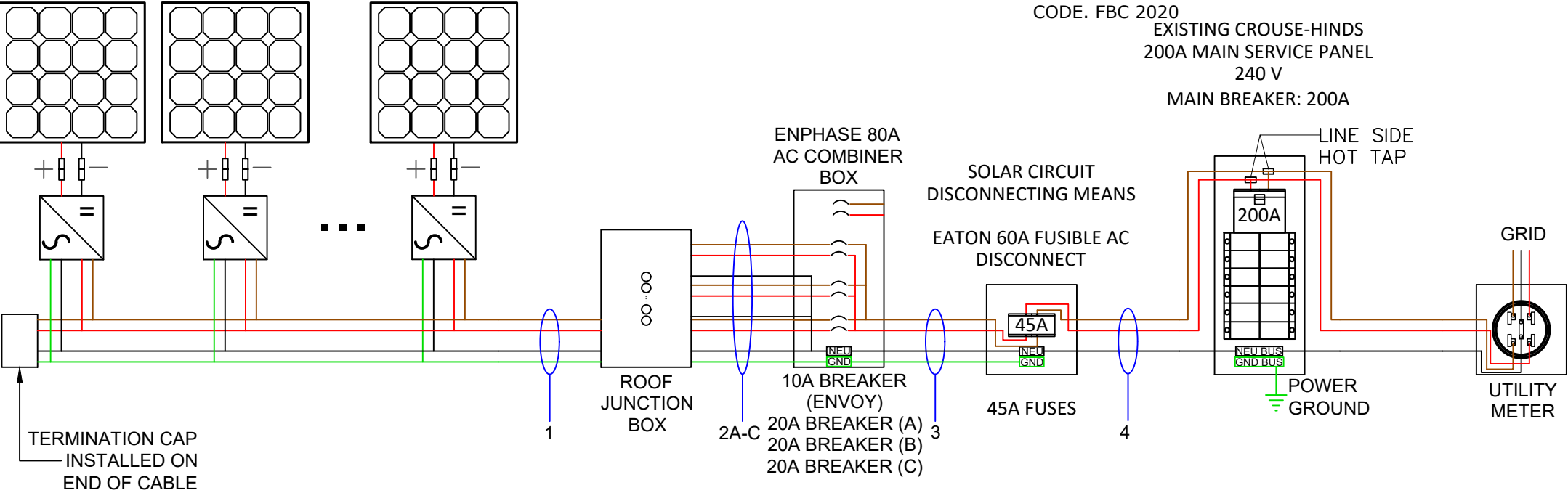
SYMBOL LEGEND			
MSP	MAIN SERVICE PANEL		CHIMNEY
SP	SUB-PANEL		SKYLIGHT
M	UTILITY METER		VENT
AC DISC	AC DISCONNECT		PIPE VENT
UDC	UTILITY DISCONNECT		FAN
LC	LOAD CENTER		SATELLITE DISH
N3R	NEMA 3R BOX W/ ENVOY-S		FIRE SETBACKS
CB	COMBINER BOX		MIN 3'x3' GROUND ACCESS POINT
	MODULE		PITCH DIRECTION
		WIND PRESSURE ZONE LINES. REFER TO PV-2.2 FOR ADDITIONAL INFO	

NOTE:
1. ROOF COVERING MATERIAL IS COMPOSED OF SINGLE LAYER CORRUGATED METAL.
2. REFER TO LAYOUT DETAIL DRAWING PV-3 FOR ALL ROOFTOP DIMENSIONS.

PV MODULE RATINGS				INVERTER RATINGS		VOLTAGE DROP CALCULATIONS										
MODULE MAKE		HANWHA		INVERTER MAKE		ENPHASE		FORMULA USED PER NEC HANDBOOK 215.2(A)(4) WHERE APPLICABLE								
MODEL		Q.PEAK DUO BLK ML-G9+ 380		MODEL		IQ7PLUS-72-2-US		WIRE RUN		V _{mp}	I _{mp}	R	L (FT)	V _o	% V _o	WIRE SIZE
MAX POWER		380W		MAX OUTPUT POWER		290W		BRANCH TO J-BOX		240.00	12.1	1.98	65.83	3.154	1.31%	12 AWG
OPEN CIRCUIT VOLTAGE		45.04V		OPEN DC VOLTAGE		60V		J-BOX TO LOAD CENTER		240.00	33.88	1.24	50.00	4.201	1.75%	10 AWG
MPP VOLTAGE		37.85V		NOMINAL AC VOLTAGE		240V		LOAD CENTER TO AC DISCONNECT		240.00	42.35	0.778	3.00	0.198	0.08%	08 AWG
SHORT CIRCUIT CURRENT		10.5A		MAX AC CURRENT		1.21A		AC DISCONNECT TO INTERCONNECTION		240.00	42.35	0.491	10.00	0.416	0.17%	06 AWG
MPP CURRENT		10.04A		CEC INVERTER EFFICIENCY		97%										
NUMBER OF MODULES		28		NUMBER OF INVERTERS		28										
UL1703 COMPLIANT		YES		UL1703 COMPLIANT		YES										
SUB PANEL BREAKER SIZE		# OF MODULES	PV BREAKER PER BRANCH	THIS SOLAR PHOTOVOLTAIC SYSTEM COMPLIES WITH THE 2020 FLORIDA BUILDING CODE AND THE 2017 NATIONAL ELECTRICAL CODE												
		UP TO 16	20A													
EEEC CERTIFICATION STATEMENT																

28 HANWHA Q.PEAK DUO BLK ML-G9+ 380 380W MODULES PAIRED WITH
28 ENPHASE IQ7PLUS-72-2-US MICRO-INVERTERS

BRANCH CIRCUIT A
10 MICRO-INVERTERS
BRANCH CIRCUIT B
9 MICRO-INVERTERS
BRANCH CIRCUIT C
9 MICRO-INVERTERS



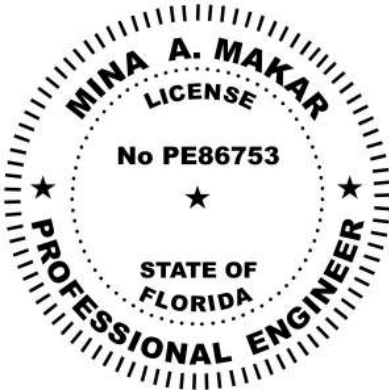
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EXISTING CROUSE-HINDS
200A MAIN SERVICE PANEL
240 V
MAIN BREAKER: 200A



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REV:	DATE:	DESIGNER:

THREE LINE DIAGRAM

PV-3

Wire Tag	Conduit	Wire Qty	Wire Gauge	Wire Type	Temp. Rating	Wire Ampacity (A)	Temp. Derate	Conduit Fill Derate	Derated Ampacity (A)	Inverter Qty	NOC (A)	NEC Correction	Design Current (A)	Ground Size	Ground Wire Type
1	OPEN AIR	3	12 AWG	Trunk Cable	90°C	30	0.96	1	28.80	10	1.21	1.25	15.13	12 AWG	Trunk Cable
2A	1" PVC	2	10 AWG	THWN-2	75°C	35	0.96	0.8	26.88	10	1.21	1.25	15.13	08 AWG	THWN-2
2B	1" PVC	2	10 AWG	THWN-2	75°C	35	0.96	0.8	26.88	9	1.21	1.25	13.61	08 AWG	THWN-2
2C	1" PVC	2	10 AWG	THWN-2	75°C	35	0.96	0.8	26.88	9	1.21	1.25	13.61	08 AWG	THWN-2
3	1" PVC	3 + G	08 AWG	THWN-2	75°C	50	0.96	1	48.00	28	1.21	1.25	42.35	08 AWG	THWN-2
4	1" PVC	3	06 AWG	THWN-2	75°C	65	0.96	1	62.40	28	1.21	1.25	42.35		THWN-2

NOTE: LETTER "G" IN WIRE QTY TAB STANDS FOR GROUNDING CONDUCTOR.

1. ALL CALCULATIONS FOR VOC, VMAX, IMP AND ISC HAVE BEEN CALCULATED USING THE MANUFACTURED STRING CALCULATOR BASED ON ASHRAE 2% HIGH AND EXTREME MINIMUM TEMPERATURE COEFFICIENTS.
2. THE ENTIRE ARRAY IS BONDED ACCORDING TO (NEC 690.46 - 250.120 PARAGRAPH C). THE GROUND IS CARRIED AWAY FROM THE GROUNDING LUG USING #6 BARE COPPER WIRE OR #8 THWN-2 COPPER WIRE.
3. THIS SYSTEM COMPLIES WITH NEC 2017
4. BRANCH CIRCUIT CALCULATION FOR WIRE TAG 1 DISPLAYS THE LARGEST BRANCH CIRCUIT IN SYSTEM. OTHER BRANCH CIRCUITS SHALL HAVE LOWER DESIGN CURRENT THAN THE ONE SHOWN. IN ADDITION, VOLTAGE DROP CALCULATIONS FROM PANELS TO THE COMBINER BOX SHALL BE SHOWN IN A SIMILAR FASHION
5. ALL CONDUCTORS ARE SIZED BASED ON NEC 2017 ARTICLE 310
6. ALL EQUIPMENT INSTALLED IS RATED AT 75°C
7. INVERTER NOC (NOMINAL OPEN CURRENT) OBTAINED FROM EQUIPMENT DATASHEET
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL LOCAL AND NATIONAL CODE REQUIREMENTS.
9. EACH MODULE MUST BE GROUNDED ACCORDING TO USER INSTRUCTIONS
10. ALL EQUIPMENT SHALL BE LISTED PER NEC 690.4(B)
11. PER NEC 690.13, 690.15, PROVIDE A WARNING SIGN AT ALL LOCATIONS WHERE TERMINALS OF THE DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION> SIGN SHALL READ *WARNING - ELECTRIC SHOCK HAZARD - DO NOT TOUCH TERMINALS - OR EQUIVALENT.
12. PER NEC 705.10, PROVIDE A PERMANENT PLAQUE OR DIRECTORY SHOWING ALL ELECTRIC POWER SOURCES ON THE PREMISES AT SERVICE ENTRANCE.
13. INTERCONNECTION METHOD SHALL COMPLY WITH NEC 705.12
14. AND OPTION FOR A SINGLE CIRCUIT BRANCH TO BE SPLIT INTO TWO SUB-CIRCUIT BRANCHES IS ACCEPTABLE.
15. ALL CONDUCTORS MUST BE COPPER.
16. NEUTRAL AND EQUIPMENT GROUNDING CONDUCTOR BONDED AS PER NEC 250.24(C).
17. EQUIPMENT GROUNDING CONDUCTOR IS CONNECTED TO A GROUNDING ELECTRODE SYSTEM PER 250.54(D).
18. FUSES FOR PV DISCONNECT HAVE AIC RATINGS OF 200KA AC AND 20KA DC.
19. SUPPLY SIDE CONNECTION SHALL BE MADE USING ILSKO INSULATION PIERCING CONNECTORS (IPC). MAKE, MODEL, AND RATING OF INTERCONNECTION CAN BE SEEN ON TABLE 1 BELOW.
20. METHOD OF INTERCONNECTION CAN BE SEEN IN FIGURE 1.
21. UTILITY HAS 24-HR UNRESTRICTED ACCESS TO ALL PHOTOVOLTAIC SYSTEM COMPONENTS LOCATED AT THE SERVICE ENTRANCE.

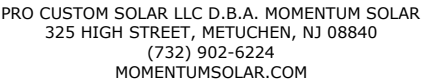
- TABLE 1:**

MAKE	MODEL	VOLTAGE RATING	CONDUCTOR RANGE MAIN	CONDUCTOR RANGE TAP
ILSCO	IPC 4006	600 V	4/0-4 AWG	6-14 AWG
ILSCO	IPC 4020	600 V	4/0-2 AWG	2/0-6 AWG

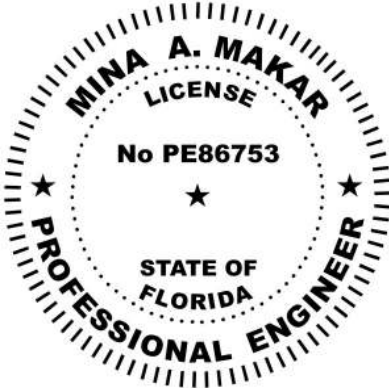
INSTRUCTIONS FOR LINE TAPS

FIGURE 1:

1. ADJUST THE CONNECTOR NUT TO SUITABLE LOCATION
2. PUT THE BRANCH WIRE INTO THE CAP SHEATH FULLY
3. INSERT THE MAIN WIRE, IF THERE ARE TWO LAYS OF INSULATED LAY IN THE MAIN CABLE, SHOULD STRIP A CERTAIN LENGTH OF THE FIRST INSULATED LAY FROM INSERTED END
4. TURN THE NUT BY HAND, AND FIX THE CONNECTOR IN SUITABLE LOCATION.
5. SCREW THE NUT WITH THE SLEEVE SPANNER.
6. SCREW THE NUT CONTINUALLY UNTIL THE TOP PART IS CRACKED AND DROPPED DOWN



PROFESSIONAL ENGINEERING



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SOLAR CONTRACTOR

CAMERON CHRISTENSEN
CERTIFIED SOLAR CONTRACTOR LICENSE NUMBER: CVC57036
MOMENTUM SOLAR
5728 MAJOR BLVD. SUITE 307, ORLANDO FL. 32819

CUSTOMER INFORMATION

MJ JOWERS - MS76358
308 SW SPIRIT AVE
FT WHITE, FL 32038
3525626976

PV SYSTEM INFORMATION






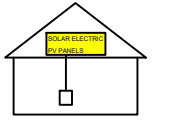


SYSTEM SIZE (DC): 10.64 KW
28 MODULES: HANWHA Q.PEAK DUO BLK
ML-G9+ 380
28 INVERTERS: ENPHASE
IQ7PLUS-72-2-US

PROJECT INFORMATION

INITIAL	DATE: 4/29/2021	DESIGNER: HK
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ELECTRICAL CONT.

PV-3.1

ALL WARNING SIGN(S) OR LABEL(S) SHALL COMPLY WITH NEC ARTICLE 110.21(B). LABEL WARNINGS SHALL ADEQUATELY WARN OF THE HAZARD. LABELS SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT, AND LABELS REQUIRED SHALL BE SUITABLE FOR THE ENVIRONMENT.														
TAG	LABEL	QUANTITY	LOCATION	NOTE	EXAMPLES									
Ⓐ	<div><div>⚠️ CAUTION</div><div>AC SOLAR VOLTAGE</div></div>	12	AC CONDUITS	1 AT EVERY SEPARATION BY ENCLOSURES / WALLS / PARTITIONS / CEILINGS / FLOORS <u>OR</u> NO MORE THAN 10'	<div></div> <div></div> <div></div> <div></div> <div></div>									
Ⓑ	<div><div>WARNING: PHOTOVOLTAIC POWER SOURCE</div><div>PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN</div></div>	1	COMBINER BOX	1 AT ANY COMBINER BOX										
Ⓒ	<div><div>⚠️ WARNING</div><div>ELECTRICAL SHOCK HAZARD TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION</div></div>	1	JUNCTION BOX	1 AT ANY JUNCTION BOX										
Ⓓ	<div><div>PHOTOVOLTAIC SYSTEM ⚠️ AC DISCONNECT ⚠️ RATED AC OUTPUT CURRENT A NOMINAL OPERATING AC VOLTAGE 240 V</div><div><div>⚠️ CAUTION</div><div>POWER TO THIS SERVICE IS ALSO SUPPLIED FROM ON-SITE SOLAR GENERATION AC SYSTEM DISCONNECT</div></div></div> <div><div>⚠️ WARNING</div><div>ELECTRICAL SHOCK HAZARD TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION</div></div> <div><div>RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM</div><div>PHOTOVOLTAIC SYSTEM INSTALLED BY MOMENTUM SOLAR 3096 B HAMILTON BLVD S. PLAINFIELD, NJ 07080 PHONE NUMBER: 732-902-6224</div></div>	1	AC DISCONNECT (RSD SWITCH)	1 OF EACH AT FUSED AC DISCONNECT COMPLETE VOLTAGE AND CURRENT VALUES ON DISCONNECT LABEL										
Ⓔ	<div><div>⚠️ WARNING</div><div>DUAL POWER SUPPLY SECOND SOURCE IS PHOTOVOLTAIC SYSTEM</div></div> <div>REVENUE METER</div>	1	UTILITY METER	1 AT UTILITY METER AND ONE DIRECTORY PLACARD										
Ⓖ	<div><div>SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN</div><div>TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUTDOWN PV SYSTEM AND REDUCE SHOCK HAZARD IN ARRAY</div><div></div></div> <div><div>⚠️ WARNING</div><div>DUAL POWER SUPPLY SECOND SOURCE IS PHOTOVOLTAIC SYSTEM</div></div>	1	INTERCONNECTION POINT	1 OF EACH AT BUILDING INTERCONNECTION POINT AND ONE DIRECTORY PLACARD										
	<div><div>⚠️ WARNING</div><div>POWER SOURCE OUTPUT CONNECTION. DO NOT RELOCATE THIS OVERCURRENT DEVICE</div></div>	1	BACKFEED PANEL											
Ⓕ	<div>NOMINAL OPERATING AC VOLTAGE : 240V NOMINAL OPERATING AC FREQUENCY : 60HZ MAXIMUM AC POWER : VA MAXIMUM AC CURRENT : A MAXIMUM OVERCURRENT DEVICE RATING FOR AC MODULE PROTECTION : 20A</div>	1	AC CURRENT PV MODULES											
<div><div></div><div>PRO CUSTOM SOLAR LLC D.B.A. MOMENTUM SOLAR 325 HIGH STREET, METUCHEN, NJ 08840 (732) 902-6224 MOMENTUMSOLAR.COM</div><div>PROFESSIONAL ENGINEERING</div><div></div><div>Digitally signed by Mina A Makar. Reason : This item has been electronically signed and sealed by [Mina A. Makar, PE 86753, COA # 33404] on the Date and Time Stamp shown using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies Date: 2021.04.29 09:04:27 -05:00</div><div>SOLAR CONTRACTOR CAMERON CHRISTENSEN CERTIFIED SOLAR CONTRACTOR LICENSE NUMBER: CVC57036 MOMENTUM SOLAR 5728 MAJOR BLVD. SUITE 307, ORLANDO FL. 32819</div><div>CUSTOMER INFORMATION MJ JOWERS - MS76358 308 SW SPIRIT AVE FT WHITE, FL 32038 3525626976</div><div>PV SYSTEM INFORMATION SYSTEM SIZE (DC): 10.64 KW 28 MODULES: HANWHA Q.PEAK DUO BLK ML-G9+ 380 28 INVERTERS: ENPHASE IQ7PLUS-72-2-US</div><div>PROJECT INFORMATION</div><div><table><tr><td>INITIAL</td><td>DATE: 4/29/2021</td><td>DESIGNER: HK</td></tr><tr><td>REV:</td><td>DATE:</td><td>DESIGNER:</td></tr><tr><td>REV:</td><td>DATE:</td><td>DESIGNER:</td></tr></table></div><div>EQUIPMENT LABELS</div><div>PV-3.2</div></div>						INITIAL	DATE: 4/29/2021	DESIGNER: HK	REV:	DATE:	DESIGNER:	REV:	DATE:	DESIGNER:
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