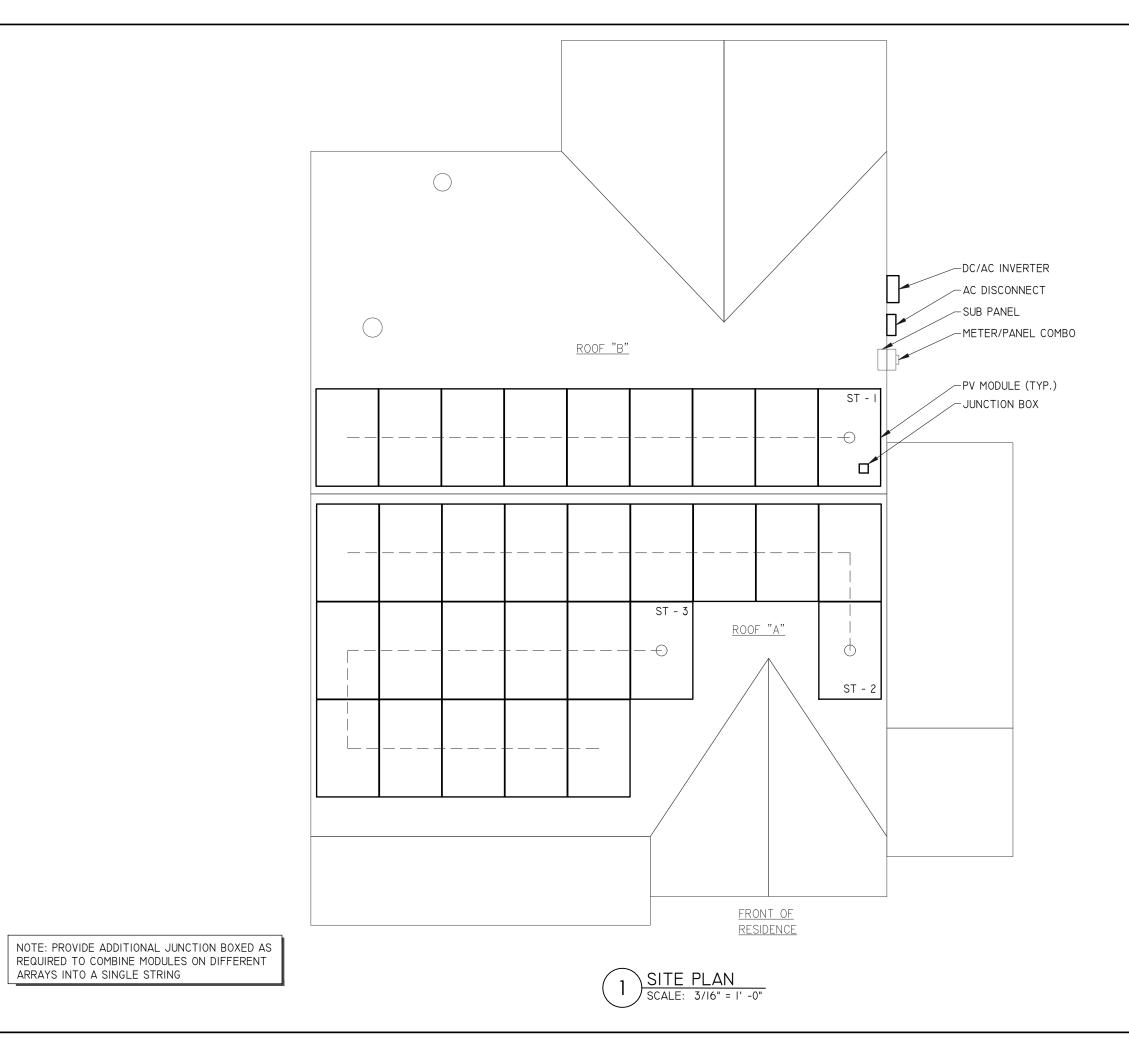
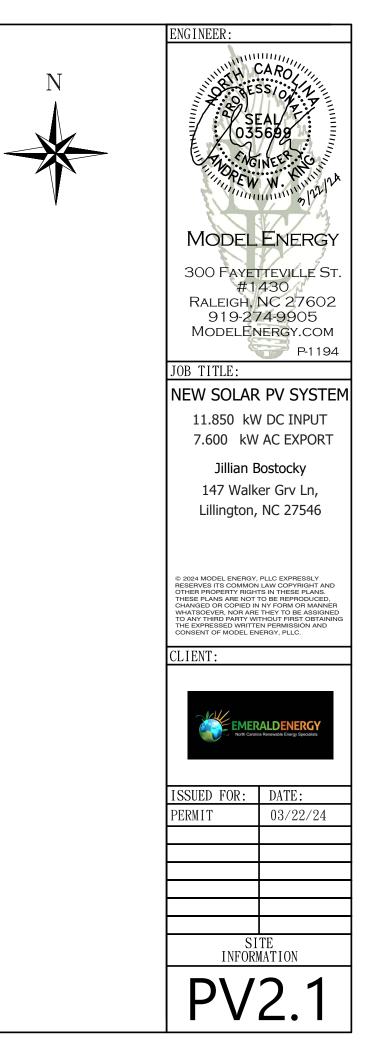
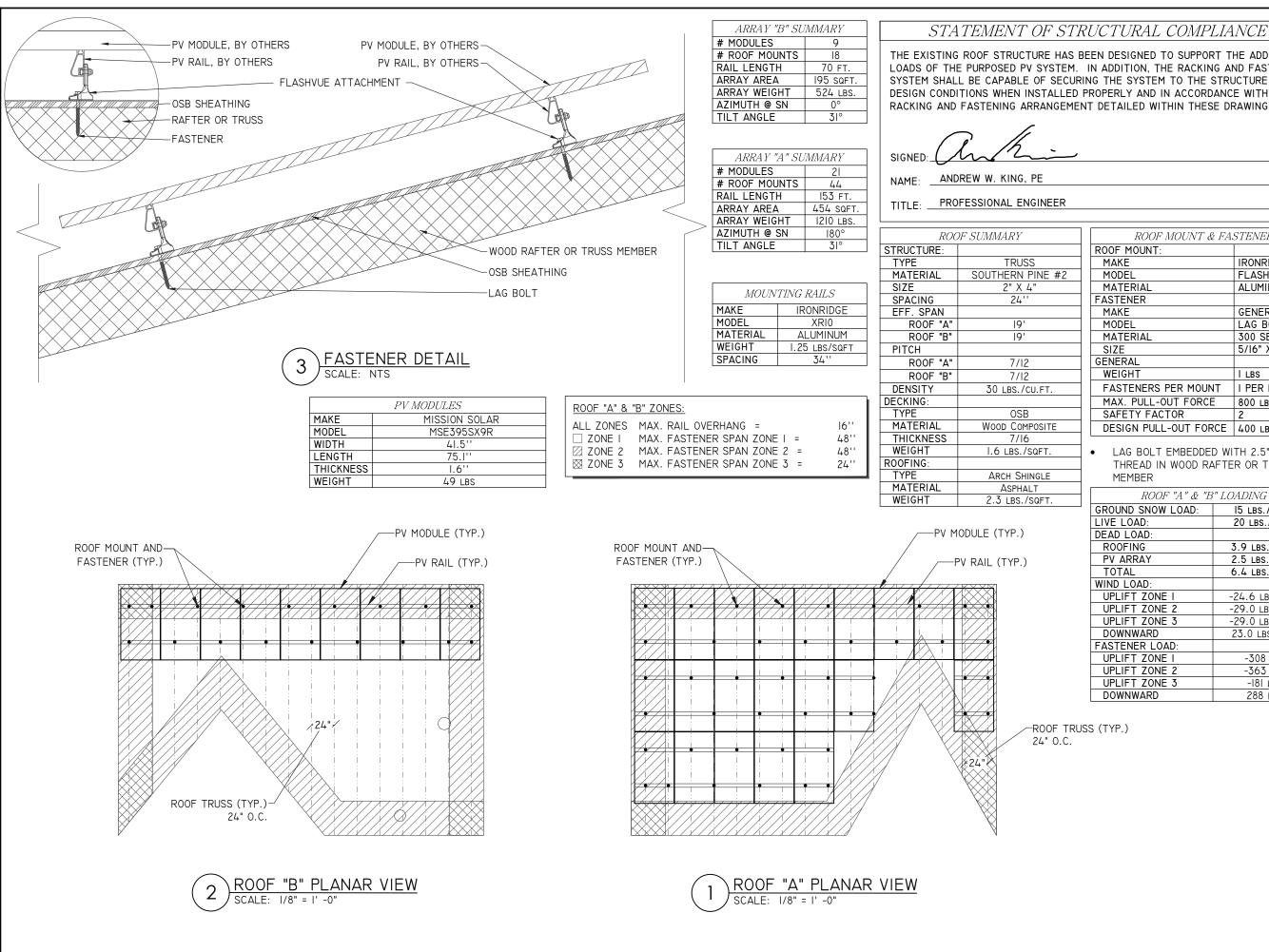
VICINITY MAP		PROPERTY MAP	ENGINEER:
GI Cary Raleigh GI Pittsboro GI Holly Springs GI Fuquay-Varina GI Angier GI GI Cary Raleigh GI Holly Springs Fuquay-Varina GI Cary Raleigh GI Cary Raleigh GI Cary Raleigh GI Cary Raleigh GI Cary Cary Cary Cary Cary Cary Cary Cary	Rightdae Clayton (2) To Smithfield Four Oaks		CARO SEAL OSSEAL
SCOPE OF WORK	SITE CONDITION	SHEET INDEX	CHANGED OR COPIED IN NY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT FIRST OBTAINING THE EXPRESSED WRITTEN PERMISSION AND CONSENT OF MODEL ENERGY, PLLC.
(30) MISSION SOLAR MSE395SX9R (I) TESLA I538000-XX-Y INVERTER (II) TESLA MCI- I ROOF MOUNT: IRONRIDGE FLASH VUE MOUNTING RAILS: IRONRIDGE XRI0	ASCE 7-10 WIND SPEED - 117 MPH EXPOSURE CATEGORY - B RISK CATEGORY - 11 SNOW LOAD - 15 LBS/SQFT	PVI.IPROJECT INFORMATIONPV2.ISITE INFORMATIONPV3.ISTRUCTURAL INFORMATIONPV4.I - 4.2ELECTRICAL INFORMATIONPV5.I - 5.4LABELS, DETAILS & SPECS	CLIENT:
INTERCONNECTIONS TYPE	CODE REFERENCES	UTILITY COMPANY	ISSUED FOR: DATE: PERMIT 03/22/24
BACK FEED BREAKER	2017 NATIONAL ELECTRIC CODE	DUKE ENERGY PROGRESS	
LEGEND	2018 NORTH CAROLINA FIRE CODE 2018 NORTH CAROLINA BUILDING CODE 2018 NORTH CAROLINA RESIDENTIAL CODE		
			PROJECT INFORMATION
GND EQUIP. GROUND			PV1.1







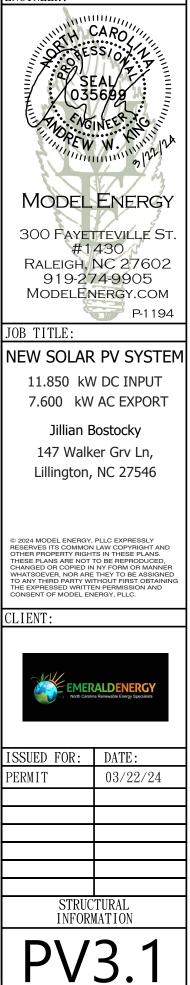
SIGNED TO SUPPORT THE ADDITION	AL
ITION, THE RACKING AND FASTENIN	١G
E SYSTEM TO THE STRUCTURE UNDE	ER
LY AND IN ACCORDANCE WITH THE	
AILED WITHIN THESE DRAWINGS.	

ROOF MOUNT & FA.	STENER
ROOF MOUNT:	
MAKE	IRONRIDGE
MODEL	FLASHVUE
MATERIAL	ALUMINUM
FASTENER	
MAKE	GENERIC
MODEL	LAG BOLT
MATERIAL	300 SERIES SS
SIZE	5/16" X 4.5"
GENERAL	
WEIGHT	I LBS
FASTENERS PER MOUNT	I PER MOUNT
MAX. PULL-OUT FORCE	800 LBS.
SAFETY FACTOR	2
DESIGN PULL-OUT FORCE	400 LBS.

LAG BOLT EMBEDDED WITH 2.5" OF THREAD IN WOOD RAFTER OR TRUSSES MEMBER

ROOF "A" & "B	" LOADING
UND SNOW LOAD:	15 lbs./sqft.
LOAD:	20 LBS./SQFT.
D LOAD:	
OFING	3.9 LBS./SQFT.
ARRAY	2.5 LBS./SQFT.
TAL	6.4 LBS./SQFT.
) LOAD:	
LIFT ZONE I	-24.6 LBS/SQFT
LIFT ZONE 2	-29.0 LBS/SQFT
LIFT ZONE 3	-29.0 LBS/SQFT
WNWARD	23.0 LBS/SQFT
FENER LOAD:	
LIFT ZONE I	-308 LBS
LIFT ZONE 2	-363 LBS
LIFT ZONE 3	-181 LBS
WNWARD	288 LBS

ENGINEER:



PV M	ODULES
MAKE	MISSION SOLAR
MODEL	MSE395SX9R
TECHNOLOGY	MONO-CRYST.
NOM. POWER (PNOM)	395 WATTS
NOM. VOLT. (VMP)	36.99 VOLTS
O.C. VOLT. (Voc)	45.18 VOLTS
MAX. SYS. VOLT.	1000 V (UL)
TEMP. COEF. (VTC)	-0.259 %/°C
NOM. CURR. (IMP)	10.68 Amps
S.C. CURR. (Isc)	II.24 Amps
MAX. SERIES FUSE	20 Amps

RAPID SHUT DOWN SYS	TEM
MAKE	TESLA
MODEL	MCI -I
PV DC INPUT:	
MAX. NUM. DEVICES PER STRING	5
MAX. CURRENT	I5A
NOM. CURRENT	I2A
DC OUTPUT:	
MAX. VOLT.	MODULE Voc
MAX. SYSTEM VOLT.	600 VOLTS

MAXIMUM DC CURRENT CALCULATION:

ISC MAX= ISC*TCX ISC MAX= 11.24*1.25 ISC MAX= 14.05 AMPS

MAXIMUM DC VOLTAGE CALCULATION:

VocMAX= Voc*[I+(TMIN-TSTC)*(TKvoc/I00)] VocMAX= 45.18*[1+((-8.5)-25)*(-0.259/100)] = 49.10 V VocMAX/STRING= VocMAX*# OF MODULES IN STRING VocMAX/STRING= 49.10*11 = 540.1 V 540.1 V < 600 V

DC/AC INVE	RTER
MAKE	TESLA
MODEL	1538000-XX-Y
TECHNOLOGY	TRANS-LESS
DC INPUT:	
MAX. VOLT	600 VOLTS
NOM. VOLT.	60-480 VOLTS
MAX. CURRENT	13 amps
MAX. SCC	15 amps
STRINGS INPUTS	4 STRINGS
AC OUTPUT:	
RATED POWER	7600 watts
MAX. POWER	7600 watts
NOM. VOLT.	240 VOLTS
MAX. CURR.	32 AMPS
GFP (Y/N)	YES
GFCI (Y/N)	YES
RPP (Y/N)	YES
AFCI (Y/N)	YES
RAPID SHUTDOWN (Y/N)	YES
PROTECT. RATING	NEMA 3R

Г														1
						C	ONDU	CTOR SC	HEDULE					
-							01.20							
	TAG	CUI	RRENT CA	RRYING CON	<i>NDUCTORS</i>		GROUND.	ING CONDUC	CTORS		CO	NDUIT/RACEWAY		NOTES
	TAG	QTY.	SIZE	MATERIAL	INSULATION	QTY.	SIZE	MATERIAL	INSULATION	QTY.	SIZE	MATERIAL	LOCATION	NOILS
F	0	0					(110							
	CI	2	10 AWG	COPPER	PV WIRE		6 AWG	COPPER	BARE WIRE	-	-	-	FREE AIR	
	C2	6	10 AWG	COPPER	THWN-2		IO AWG	COPPER	THWN-2	I	3/4"	FMC/EMT/MC	EXT/INT	2,4
	22	7	0 1110	COPPER	THWN	1	IO AWG	COPPER	THWN	1	3/4"	NOTE 5	EXTERIOR	2.4.5
	C3	3	8 AWG	LOPPER			IUAWUG	LOFFLK			5/4	NULL		2,4,5

NOTES:

MANUFACTURER PROVIDED, UL LISTED WIRING HARNESS FOR USE ON EXPOSED ROOFS Ι.

CONDUIT SIZE SHOWN IS CODE MINIMUM. LARGER SIZES ARE ALLOWED 2.

3. EXISTING CONDUCTORS, FIELD VERIFY

4. EQUIPMENT TERMINAL RATING SHALL BE A MINIMUM OF 75°C AT BOTH END OF CONDUCTOR

PVC, EMT, ROMEX, LFNMC & FMC ARE ACCEPTABLE WHEN USED IN ACCORDANCE WITH ARTICLES 330, 334, 348, 350, 352, 356, & 358 5. OF THE 2017 NEC

JUNCTIO	ON BOX
MAKE	SOLADECK
MODEL	0783-3R
PRO. RATING	NEMA 3R
VOLT. RATING	600 VOLTS
AMP RATING	I20 AMPS
UL LISTING	UL 50

NOTES:

SCALE: NTS

 PROVIDE ADDITIONAL JUNCTION BOXED AS REQUIRED TO COMBINE MODULES ON DIFFERENT ARRAYS INTO A SINGLE STRING

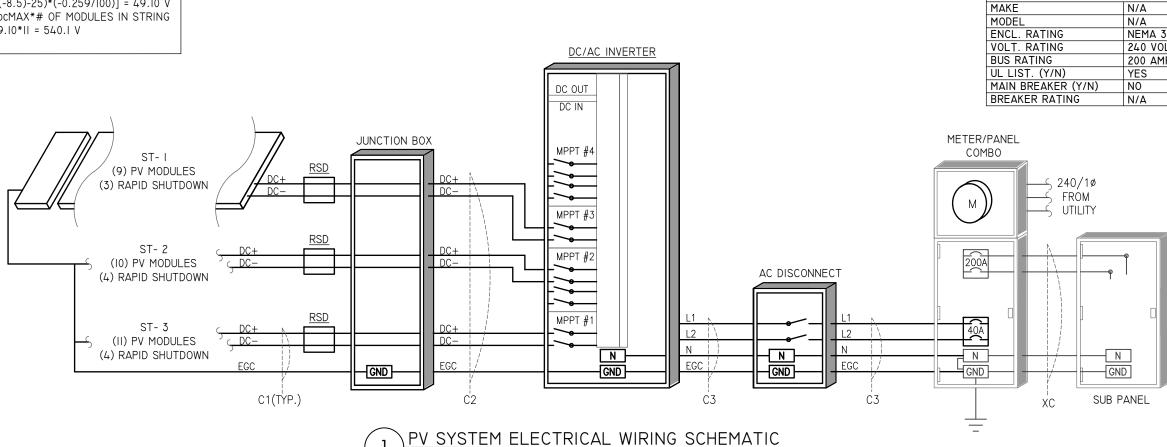
AC DISC	ONNECT		ME
MAKE	GENERIC	7 [MAKE
MODEL	N/A		MODEL
ENCL. RATING	NEMA 3R	7 [ENCL. RA
VOLT. RATING	240 VOLTS		VOLT. RA
AMP RATING	60 AMPS	7 [BUS RATI
UL LIST. (Y/N)	YES		UL LIST.
FUSED (Y/N)	NO	7 [MAIN BRE
FUSE RATING	N/A		BREAKER

NOTES:

LOAD-BREAK RATED ٠

VISIBLE OPEN ٠

- LOCKABLE IN OPEN POSITION ٠
- INSTALL ADJACENT TO METER
 - DISCONNECT TO BE READILY ACCESSIBLE TO UTILITY COMPANY PERSONNEL AT ALL TIMES

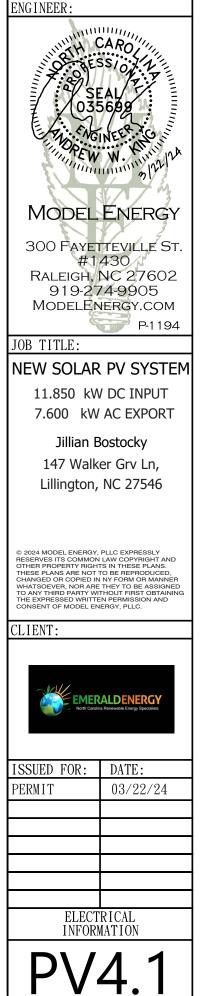


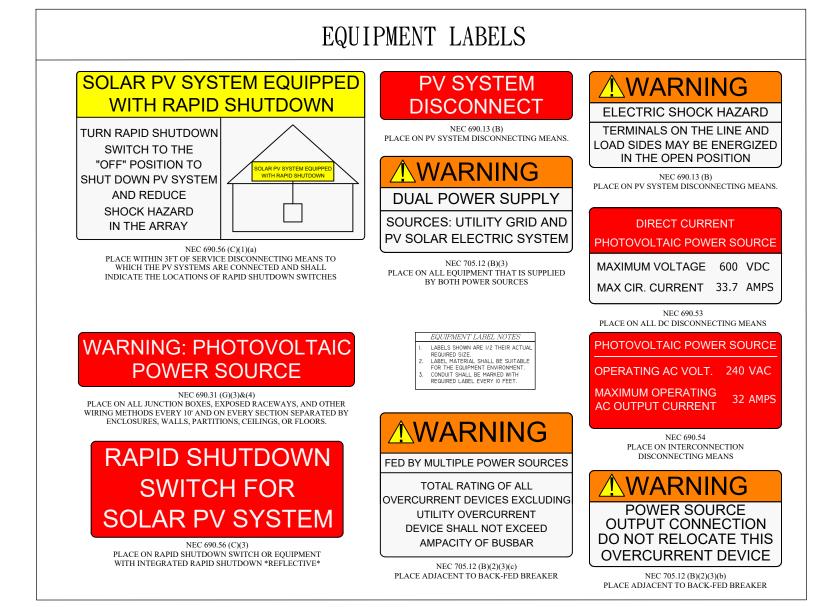
NOTES:

METER/PANEL CON	IBO (EXISTING)
	N/A
L	N/A
. RATING	NEMA 3R
. RATING	240 VOLTS
RATING	200 AMPS
ST. (Y/N)	YES
BREAKER (Y/N)	YES
KER RATING	200 AMPS

BACK-FEED SOLAR OUTPUT VIA 40A BREAKER AT THE OPPOSITE END OF THE BUS BAR FROM MAIN BREAKER. MAIN BREAKER SERVES AS SERVICE DISCONNECT SWITCH.

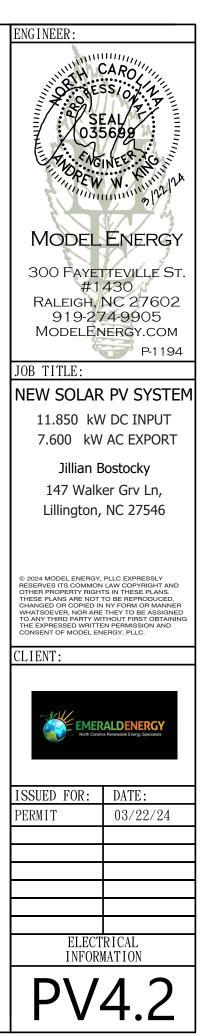
SUB PANEL (I
RATING
RATING
TING
REAKER (Y/N)
R RATING
 ATING TING . (Y/N) REAKER (Y/N)





CONSTRUCTION NOTES

- ALL WORK AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST 1 NATIONAL, STATE, AND LOCAL CODES AND ORDINANCES
- 2. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS, BEST PRACTICES, AND SPECIFICATIONS
- 3. WIRES SHALL BE RATED AND LABELED "SUNLIGHT RESISTANT" WHERE EXPOSED TO AMBIENT CONDITIONS
- THE PHOTOVOLTAIC SYSTEM SHALL NOT EXCEED 600 VOLTS OR 800 AMPS 4.
- 5. EACH ELECTRICAL APPLIANCE SHALL BE PROVIDED WITH A NAMEPLATE GIVING THE IDENTIFYING NAME AND THE RATING IN VOLTS AND AMPERES, OR VOLTS AND WATTS. IF THE APPLIANCE IS TO BE USED ON A SPECIFIC FREQUENCY OR FREQUENCIES, IT SHALL BE SO MARKED. WHERE MOTOR OVERLOAD PROTECTION EXTERNAL TO THE APPLIANCES IS REQUIRED, THE APPLIANCE SHALL BE SO MARKED
- WHERE APPLICABLE, GROUNDING ELECTRODE CONDUCTOR TO BE CONTINUOUS. 6. GROUNDING CRIMPS TO BE IRREVERSIBLE
- 7. IN ONE- AND TWO-FAMILY DWELLINGS, LIVE PARTS IN PHOTOVOLTAIC SOURCE CIRCUITS AND PHOTOVOLTAIC OUTPUT CIRCUITS OVER 150 VOLTS TO GROUND, SHALL ONLY BE ACCESSIBLE TO QUALIFIED PERSONS WHILE ENERGIZED.
- PHOTOVOLTAIC SYSTEMS SHALL BE PERMANENTLY MARKED AT VARIOUS EQUIPMENT 8. LOCATIONS TO IDENTIFY THAT A PHOTOVOLTAIC SYSTEM IS INSTALLED AND THAT VARIOUS DANGERS ARE PRESENT.
- EACH PHOTOVOLTAIC SYSTEM DISCONNECTING MEANS SHALL BE PERMANENTLY 9. MARKED TO IDENTIFY IT AS A PHOTOVOLTAIC SYSTEM DISCONNECT
- 10. WHERE ALL TERMINALS OF A DISCONNECTING MEANS MAY BE ENERGIZED IN THE OPEN POSITION, A WARNING SIGN SHALL BE MOUNTED ON OR ADJACENT TO THE DISCONNECT
- A PERMANENT LABEL FOR THE DIRECT-CURRENT PHOTOVOLTAIC POWER SOURCE SHALL 11 BE PROVIDED BY THE INSTALLED AT THE DC DISCONNECT MEANS
- 12. A PERMANENT PLAQUE OR DIRECTORY, DENOTING ALL ELECTRIC POWER SOURCES SERVING THE PREMISES. SHALL BE INSTALLED AT EACH SERVICE EQUIPMENT LOCATION AND AT LOCATIONS OF ALL POWER PRODUCTION SOURCES
- 13. A PERMANENT PLAQUE OR DIRECTORY SHALL BE PROVIDED DENOTING THE LOCATIONS OF THE SERVICE DISCONNECT MEANS AND THE PHOTOVOLTAIC SYSTEM DISCONNECT MEANS IF THEY ARE NOT LOCATED AT THE SAME LOCATION.
- 14. ALL MODULE GROUND CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH NEC SECTION 690.4 (C)



MSE PERC 66

Class leading power output



True American Quality

Mission Solar Energy is headquartered in San Antonio, Texas where we

True American Brand

Certified Reliability

PID resistant

9 Busbar

• Tested to UL 61730 & IEC Standards

Resistance to salt mist corrosion

Advanced Technology

Ideal for all applications

Tested load to UL 61730

• 40 mm frame

Buy American Act

Passivated Emitter Rear Contact

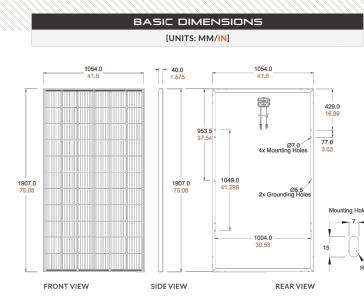
Extreme Weather Resilience

American Recovery & Reinvestment Act

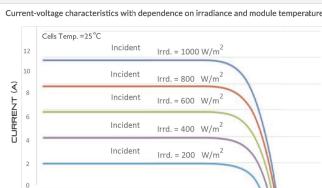
• Up to 5,400 Pa front load & 3,600 Pa back load

BAA Compliant for Government Projects





CURRENT-VOLTAGE CURVE MSE385SX9R: 385WP, 66 CELL SOLAR MODULE





VOLTAGE (V)



ELECT PRODUCT TYP Power Outpu Module Efficienc Tolerand

Short Circuit Currer Open Circuit Voltag Rated Curren Rated Voltag

Fuse Ratin System Voltag

TEMPE

Normal Operating Tempera Temp Temp

OPE

Maximum Syster Operating Temperatu Maximum Series Fu

Fire Safety Class Front & B (UL S

Hail Safety Impact

\sim

Solar Cells Cell Orientation Module Dimension Weight Front Glass Frame Encapsulant Junction Box Cable Connector

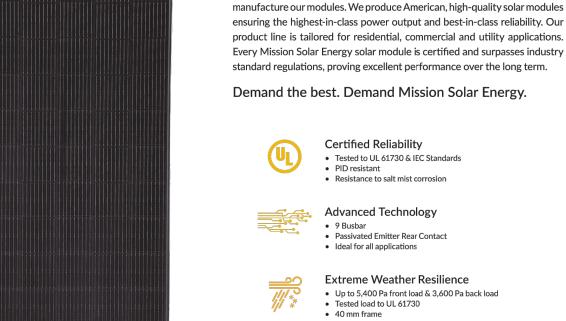
SHIF

Container Feet 53' Mo Double Stack

Weight

1.300 lbs. (572 kg)

Mission Solar Energy reserves the right to make specification changes without notice. C-SA2-MKTG-0027 REV 4 03/18/2022



Power

-0 to +3%

FRAME-TO-FRAME WARRANTY

Degradation guaranteed not to exceed 2% in year one and 0.58% annually from years two to 30 with 84.08% capacity guaranteed in year 25. For more information, visit www.missionsolar.com/warrantv

CERTIFICATIONS



UL 61730 / IEC 61215 / IEC 61730 / IEC 61701

If you have questions or concerns about certification of our products in your area, please contact Mission Solar Energy.



www.missionsolar.com | info@missionsolar.com

ENGINEER:

MSE PERC 66

11.	////	////			
RI		. SF	PECIFIC	ATION	
Е	MSE	(XXSX	9R (<mark>xxx</mark> = P	max)	
ut	P _{max}	W_p	390	395	400
;y		%	19.4	19.7	19.9
e		%	0/+3	0/+3	0/+3
nt	lsc	А	11.19	11.24	11.31
ge	Voc	V	45.04	45.18	45.33
nt	Imp	А	10.63	10.68	10.79
ge	Vmp	V	36.68	36.99	37.07
ıg		А	20	20	20
ge		V	1,000	1,000	1,000

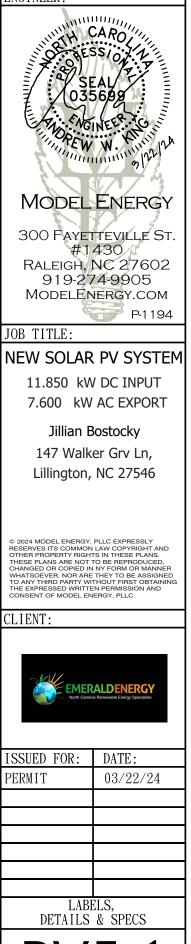
RATURE COEFF	ICIENTS
Cell Temperature (NOCT)	43.75°C (±3.7%)
ature Coefficient of Pmax	-0.367%/°C
erature Coefficient of Voc	-0.259%/°C
perature Coefficient of Isc	0.033%/°C

	G CONDITIONS
RAINN	
n Voltage	1,000Vdc
ure Range	-40°F to 185°F (-40°C to +85°C)
se Rating	20A
sification	Type 1*
Back Load Standard)	Up to 5,400 Pa front and 3,600 Pa back load, Tested to UL 61730
t Velocity	25mm at 23 m/s

*Mission Solar Energy uses quality sourced materials that result in a Type 1 fire rating. Please note, the 'Fire Class' Rating is designated for the fully-installed PV system, which includes, but is not limited to, the module, the type of mounting used, pitch and roof composition.

E	
	P-type mono-crystalline silicon
	66 cells (6x11)
	1,907mm x 1,054mm x 40mm
	48.5 lbs. (22 kg)
	3.2mm tempered, low-iron, anti-reflective
	40mm Anodized
	Ethylene vinyl acetate (EVA)
	Protection class IP67 with 3 bypass-diodes
	1.2m, Wire 4mm2 (12AWG)
	Staubli PV-KBT4/6II-UR and PV-KST4/6II-UR, MC4, Renhe 05-8
פ	PING INFORMATION
Sh	nip To Pallet Panels 390W Bin

snip io	Pallet	Panels	390W BIN
ost States	30	780	304.20 kW
CA	26	676	263.64 kW
PALLET	[26 PAN	ELS]	
Height 47.56 in (120.80 cm)		Width 46 in 6.84 cm)	Length 77 in (195.58 cm)



SOLAR INVERTER

Tesla Solar Inverter provides DC to AC conversion and integrates with the Tesla ecosystem, including Solar Panels, Solar Roof, Powerwall, and vehicle charging, to provide a seamless sustainable energy experience.

KEY FEATURES

• Integrated rapid shutdown, arc fault, and ground fault protection

No neutral wire simplifies installation

• 2x the standard number of MPPTs for high production on complex roofs

ELECTRICAL SPECIFICATIONS

MODEL NUMBER	1534000-xx-y	1538000-xx-y
OUTPUT (AC)	3.8 kW	7.6 kW
Nominal Power	3,800 W	7,600 W
Maximum Apparent Power	3,328 VA at 208 V 3,840 VA at 240 V	6,656 VA at 208 V 7,680 VA at 240 V
Maximum Continuous Current	16 A	32 A
Breaker (Overcurrent Protection)	20 A	40 A
Nominal Power Factor	1 - 0.9 (leadii	ng / lagging)
THD (at Nominal Power)	<[5%
INPUT (DC)		
мррт	2	4
Input Connectors per MPPT	1-2	1-2-1-2
Maximum Input Voltage	600	VDC
DC Input Voltage Range	60 - 55	0 VDC
DC MPPT Voltage Range	60 - 48	0 VDC ¹
Maximum Current per MPPT (I _{mp})	13	A
Maximum Short Circuit Current per MPPT (I)	15	A

98% at 208 V

98.1% at 240 V

97.5% at 208 V

Tesla Mobile App

RS-485

²Cellular connectivity subject to network operator service coverage and signal

97.5% at 240 V 98.0% at 240 V

1.7

Wi-Fi (2.4 GHz, 802.11 b/g/n),

Wi-Fi (2.4 GHz, 802.11 b/g/n),

Integrated arc fault circuit interrupter

Ethernet, Cellular (LTE/4G)²

(AFCI), Rapid Shutdown

60 Hz, 240 V Split Phase

60 Hz, 208 V Wye

98.4% at 208 V

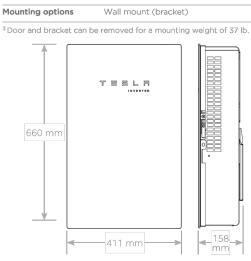
98.6% at 240 V

97.5% at 208 V

PERFORMANCE SPECIFICATIONS

MECHANICAL SPECIFICATIONS

Dimensions 660 mm x 411 mm x 158 mm (26 in x 16 in x 6 in) Weight 52 lb³



ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-30°C to 45°C (-22°F to 113°F) ⁴
Operating Humidity (RH)	Up to 100%, condensing
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Maximum Elevation	3000 m (9843 ft)
Environment	Indoor and outdoor rated
Enclosure Rating	Type 3R
Ingress Rating	IP55 (Wiring compartment)
Pollution Rating	PD2 for power electronics and terminal wiring compartment, PD3 for all other components
Operating Noise @ 1 m	< 40 db(A) nominal, < 50 db(A) maximum

⁴For the 7.6 kW Solar Inverter, performance may be de-rated to 6.2 kW at 240 V or 5.37 kW at 208 V when operating at temperatures greater than 45°C

COMPLIANCE INFORMATION

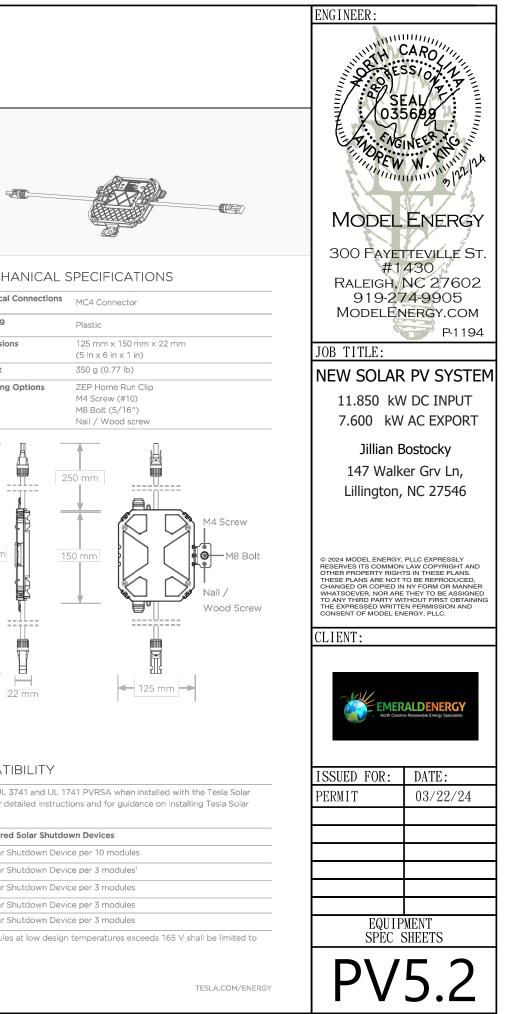
Grid Certifications	UL 1741, UL 1741 SA, IEEE 1547, IEEE 1547.1
Safety Certifications	UL 1741 PVRSS, UL 1699B, UL 1998 (US), UL 3741
Emissions	EN 61000-6-3 (Residential), FCC 47CFR15.109 (a)

Grid Certifications	UL 1741, UL 1741 SA, IEEE 1547, IEEE 1547.1
Safety Certifications	UL 1741 PVRSS, UL 1699B, UL 1998 (US), UL 3741
Emissions	EN 61000-6-3 (Residential) ECC 47CEP15 109 (a)

TESLA.COM/ENERGY

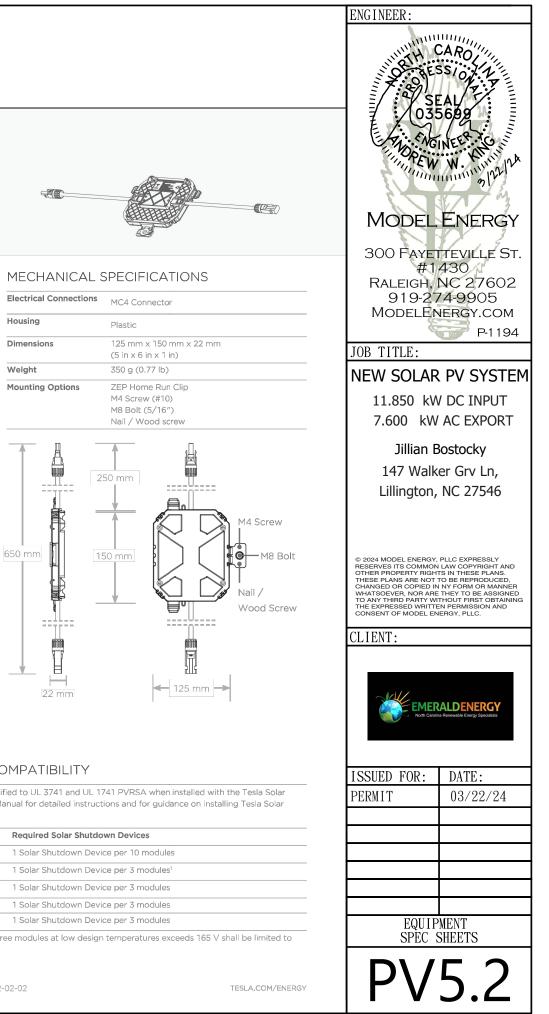
SOLAR SHUTDOWN DEVICE

The Tesla Solar Shutdown Device is part of the PV system rapid shutdown (RSD) function in accordance with Article 690 of the applicable NEC. When paired with the Tesla Solar Inverter, solar array shutdown is initiated by any loss of AC power.



ELECTRICAL SPECIFICATIONS

Nominal Input DC Current Rating (I _{MP})	12 A
Maximum Input Short Circuit Current (I _{sc})	15 A
Maximum System Voltage	600 V DC



RSD MODULE PERFORMANCE

COMPLIANCE INFORMATION

Certifications

RSD Initiation Method

Compatible Equipment

Maximum Number of Devices per	String 5
Control	Power Line Excitation
Passive State	Normally open
Maximum Power Consumption	7 W
Warranty	25 years

ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	-40°C to 50°C (-40°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Enclosure Rating	NEMA 4 / IP65

UL 3741 PV HAZARD CONTROL (AND PVRSA) COMPATIBILITY

UL 1741 PVRSE, UL 3741,

Shutdown Array)

PVRSA (Photovoltaic Rapid

PV System AC Breaker or Switch

See Compatibility Table below

Tesla Solar Roof and Tesla/Zep ZS Arrays using the following modules are certified to UL 3741 and UL 1741 PVRSA when installed with the Tesla Solar Inverter and Solar Shutdown Devices. See the Tesla Solar Inverter Installation Manual for detailed instructions and for guidance on installing Tesla Solar Inverter and Solar Shutdown Devices with other modules.

Brand	Model	Required Solar Shutdown De
Tesla	Solar Roof V3	1 Solar Shutdown Device per
Tesla	Tesla TxxxS (where xxx = 405 to 450 W, increments of 5)	1 Solar Shutdown Device per
Tesla	Tesla TxxxH (where xxx = 395 to 415 W, increments of 5)	1 Solar Shutdown Device per
Hanwha	Q.PEAK DUO BLK-G5	1 Solar Shutdown Device per
Hanwha	Q.PEAK DUO BLK-G6+	1 Solar Shutdown Device per

*Exception: Tesla solar modules installed in locations where the max Voc for three modules at low design temperatures exceeds 165 V shall be limited to two modules between MCIs.

Peak Efficiency

CEC Efficiency

Protections

Allowable DC/AC Ratio

Customer Interface

Internet Connectivity

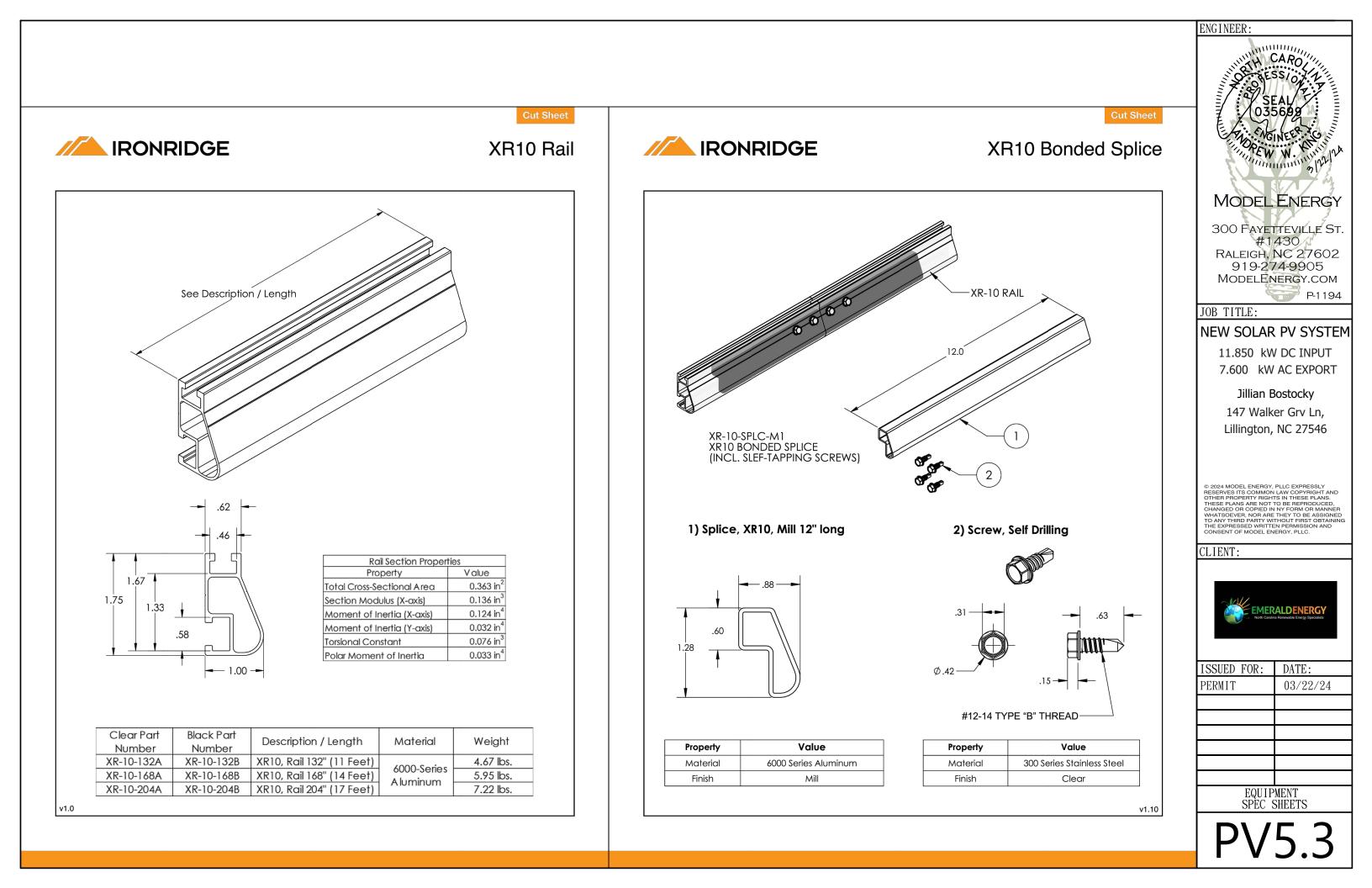
Supported Grid Types

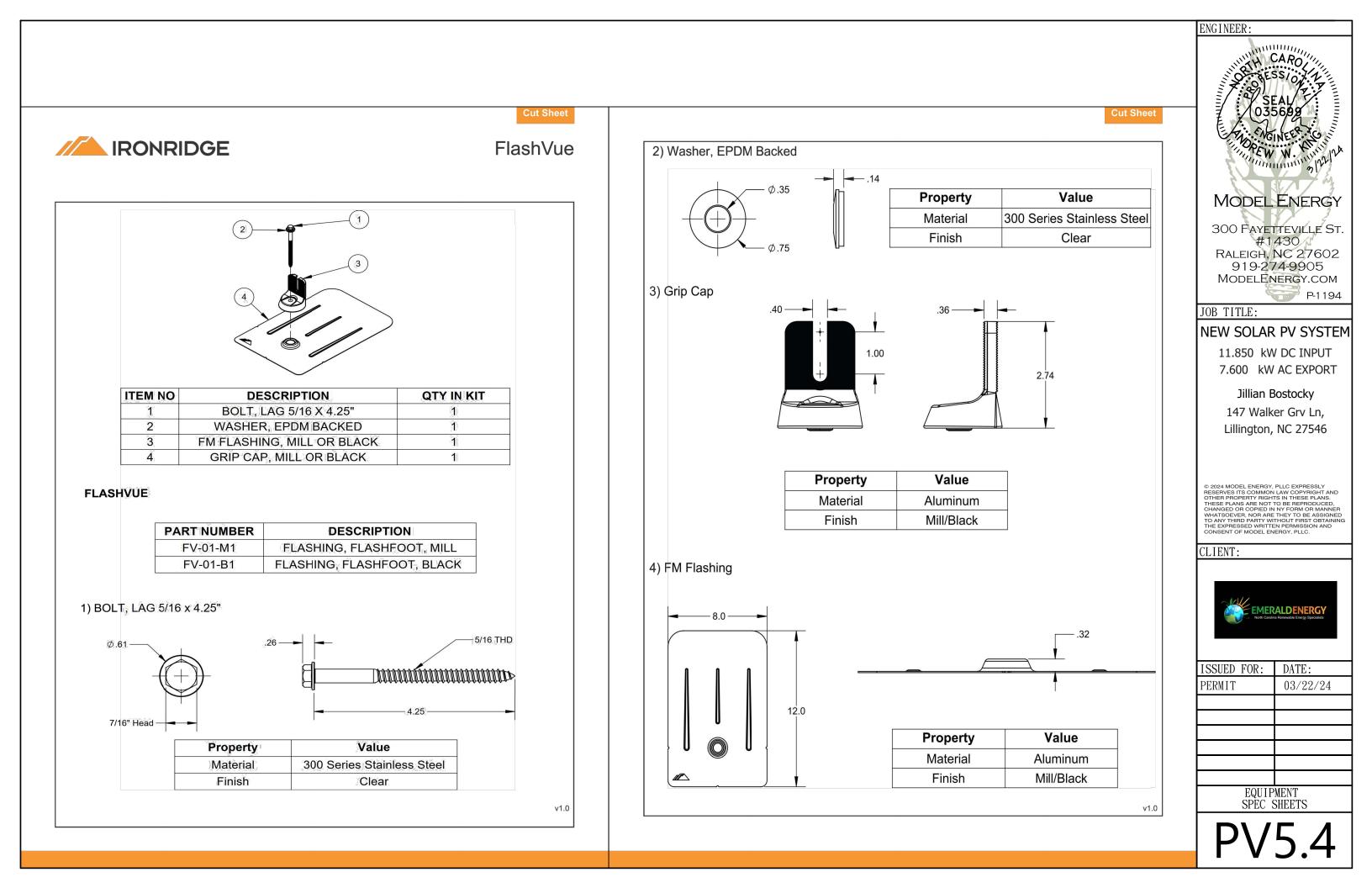
¹ Maximum current

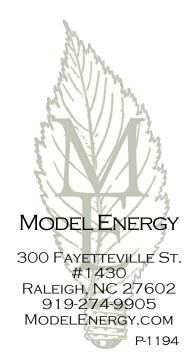
strength

AC Remote Metering Support

NA 2022-02-02







Customer:Jillian BostockyInstaller:Emerald EnergySubject:PV System Structural ComplianceDate:03/22/24

To whom it may concern:

Model Energy, PLLC has reviewed the installation details of the proposed PV system that is to be installed by Emerald Energy at 147 Walker Grv Ln, Lillington, NC 27546. The conditions of the existing structure have been reviewed and validated by Model Energy, PLLC. The existing roof structure has been designed to support the additional loads of the proposed PV system. In addition, the racking and fastening system shall be capable of securing the system to the structure under design conditions when installed properly and in accordance with the racking and fastening arrangement detailed within the accompanying permit set. The installation design is compliant with current 2018 North Carolina state and national building codes.

Thank you,

Andrew King, PE

