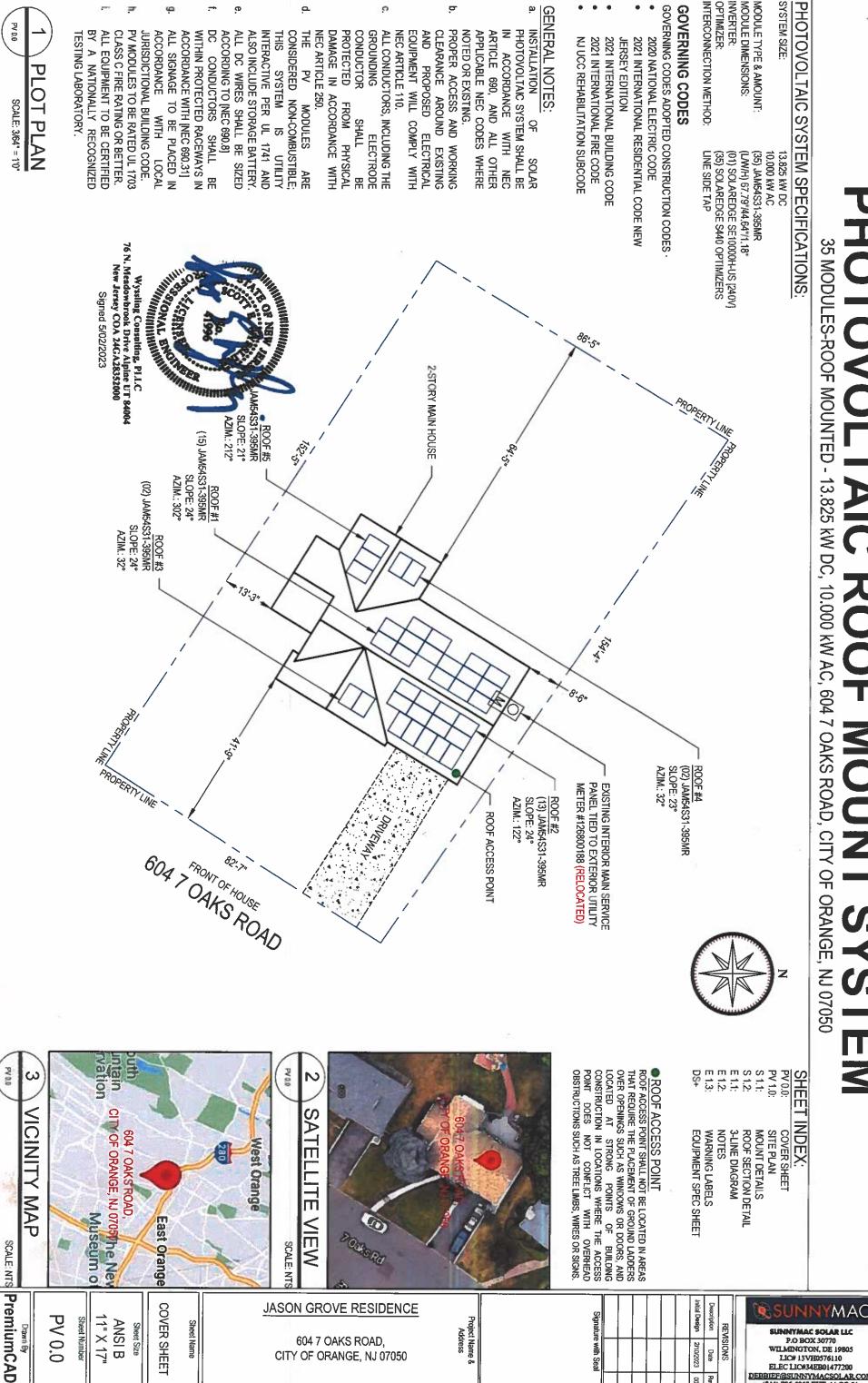
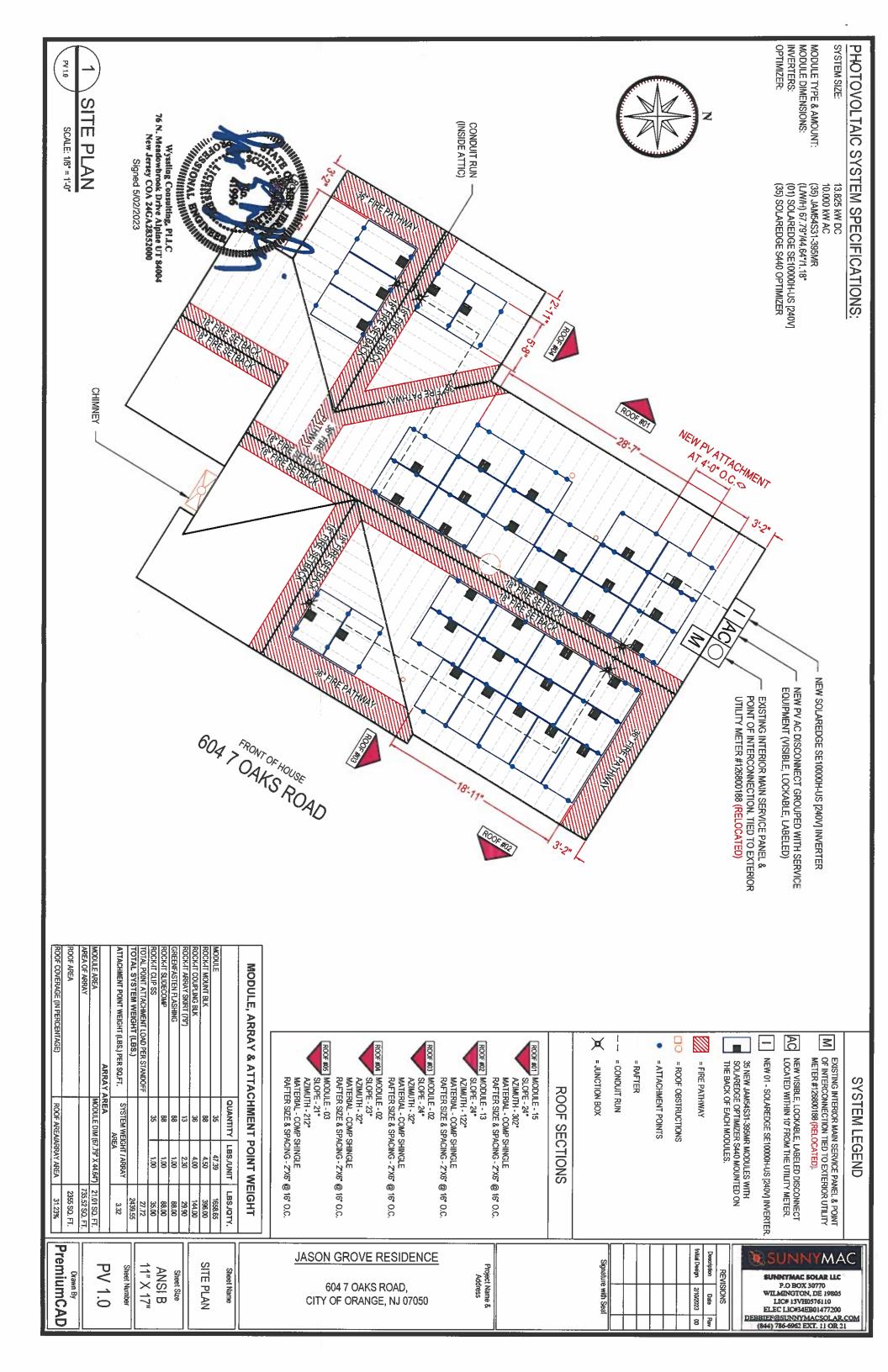
35 MODULES-ROOF MOUNTED -13.825 kW DC, 10.000 kW AC, 604 7 OAKS ROAD, CITY OF ORANGE, NJ 07050

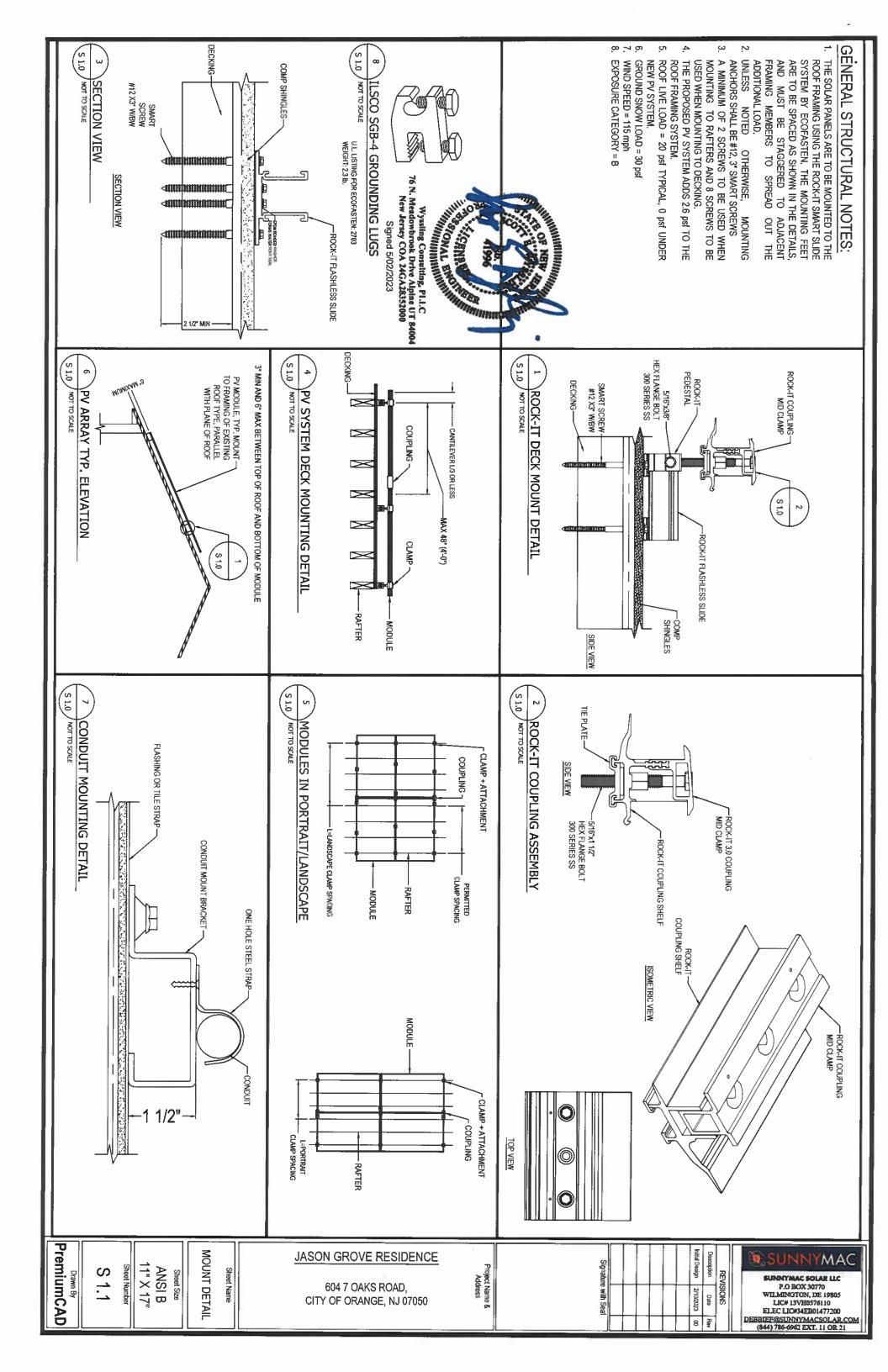
Date

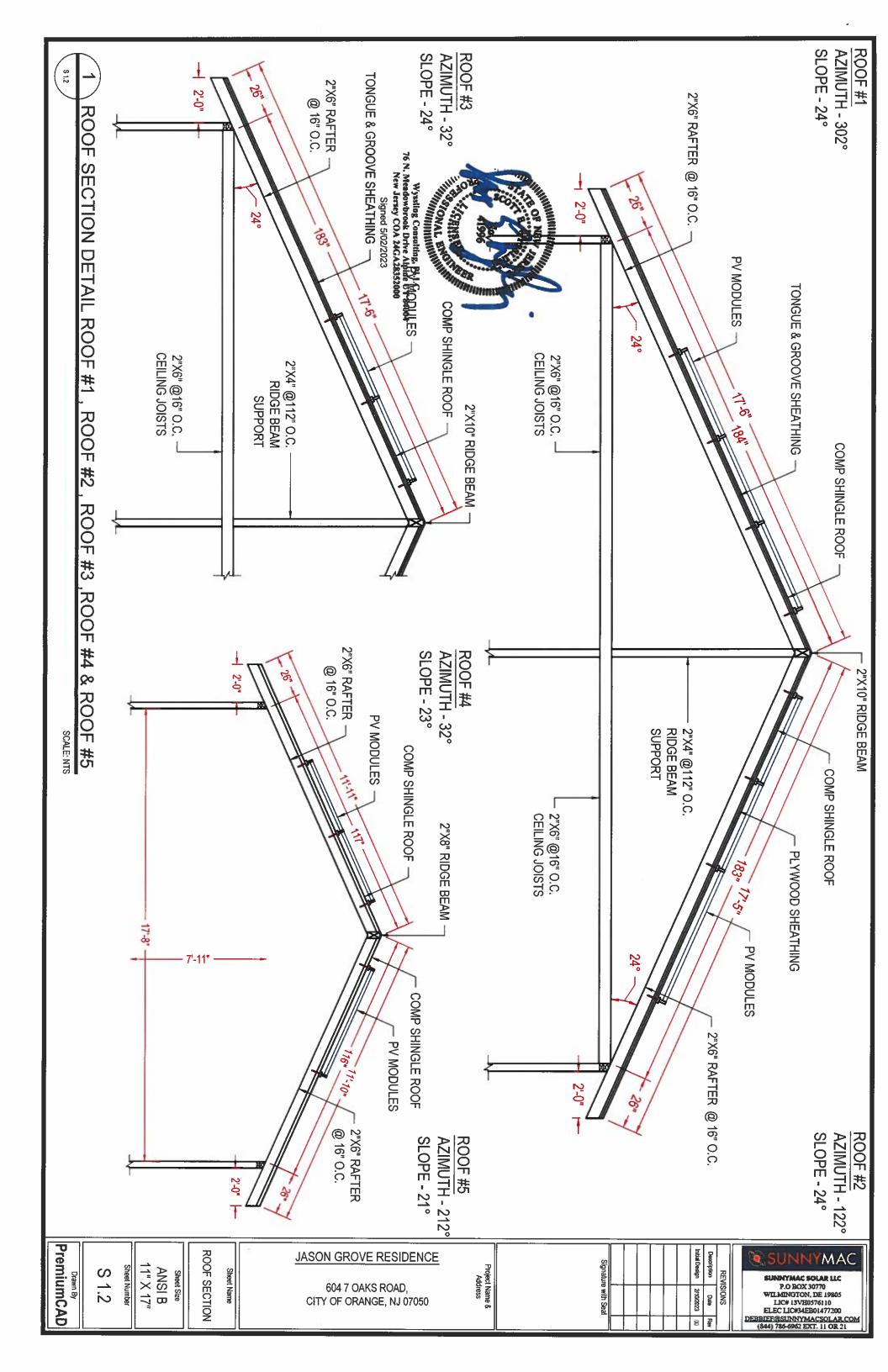
8 Rev ELEC LIC#34EB01477200 DEBBIEF@SUNNYMACSOLAR.COM (844) 786-6962 EXT. 11 OR 21

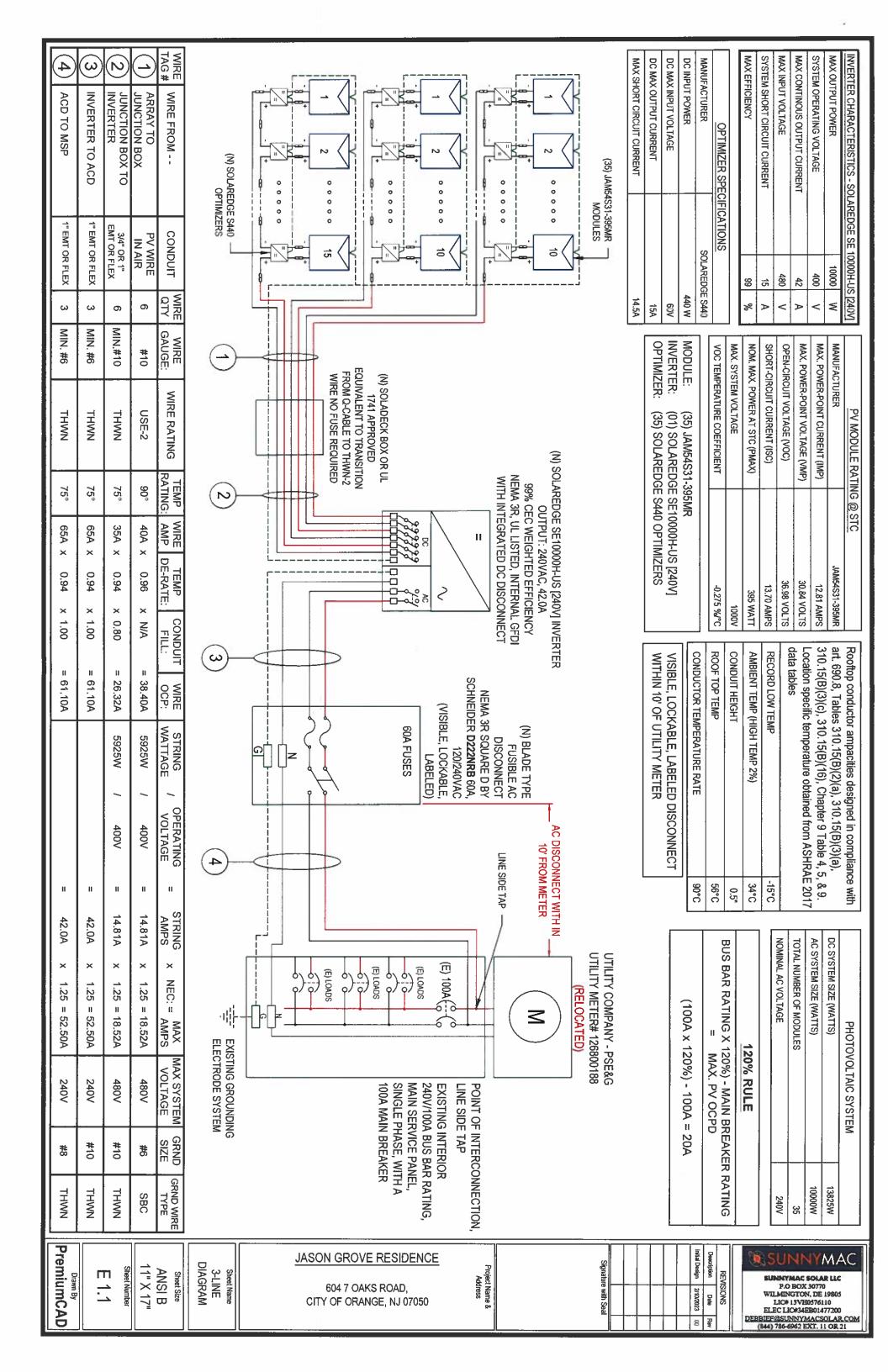


CITY OF ORANGE, NJ 07050









SITE NOTES:

- REGULATIONS. A LADDER WILL BE THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE AND THIS SYSTEM IS Z PLACE FOR INSPECTION IN COMPLIANCE WITH OSHA
- UTILITY INTERACTIVE SYSTEM WITH NO STORAGE BATTERIES THE SOLAR PV INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL,
- ELECTRICAL EQUIPMENT WILL BE PROVIDED AS PERSECTION NEC 110.26. PROPERACCESS AND WORKING CLEARANCE AROUND EXISTING AND PROPOSED OR BUILDING ROOF VENTS.
- **BUILDING OR STRUCTURE** ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S INSTRUCTIONS SUCH THAT THE ROOF COVERING SERVES TO PROTECT THE ROOF COVERINGS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THIS CODE AND THE APPROVED MANUFACTURER'S

EQUIPMENT LOCATIONS

ALL EQUIPMENT SHALL MEET MINIMUM SETBACKS AS REQUIRED BY NEC 110.26.

6

- 310.15 (B)(2)(A) AND 310.15 (B)(3)(C). OPERATING TEMPERATURE AS SPECIFIED BY NEC 690.31 (A),(C) AND NEC TABLES WIRING SYSTEMS INSTALLED IN DIRECT SUNLIGHT MUST BE RATED FOR EXPECTED
- ACCORDING TO NEC 690.34. JUNCTION AND PULL BOXES PERMITTED INSTALLED UNDER PV MODULES
- INSTALLED ACCESSIBLE TO QUALIFIED PERSONNEL ACCORDING APPLICABLE CODES. WITHIN SIGHT OF THE AC SERVICING DISCONNECT. 2.2.6 ALL EQUIPMENT SHALL BE ADDITIONAL AC DISCONNECT(S) SHALL BE PROVIDED WHERE THE INVERTER IS NOT TO NEC
- ALL COMPONENTS ARE LISTED FOR THEIR PURPOSE AND RATED FOR OUTDOOR USAGE WHEN APPROPRIATE.

Ş

- BEYOND EITHER EDGE OF THE ARRAY/SUBARRAY, ACCORDING CODE-COMPLIANT INSTALLATION MANUAL. TOP CLAMPS REQUIRE A DESIGNATED MANUFACTURER'S INSTRUCTIONS. RACKING SYSTEM & SPACE BETWEEN MODULES, AND RAILS MUSTALSO EXTEND A MINIMUM DISTANCE PV ARRAY WILL BE INSTALLED ACCORDING 7 ТО
- ROOF-PENETRATING TYPE, IT SHALL BE FLASHED & SEALED PER LOCAL JUNCTION BOX WILL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. Ŧi
- APPROVED CHEMICAL SEALANT PER CODE BY A LICENSED CONTRACTOR. ROOFTOP PENETRATIONS FOR PV RACEWAY WILLBE COMPLETED AND SEALED W/
- POSSIBLE, ALL PV RELATED RACKING ATTACHMENTS WILL BE STAGGERED AMONGST THE ROOF FRAMING MEMBERS. SPAN DISTANCE SPECIFIED BY THE RACKING MANUFACTURER. 2.3.6 WHEN ALL PV RELATED ROOF ATTACHMENTS TO BE SPACED NO GREATER THAN THE

WIRING & CONDUIT NOTES:

- REQUIREMENTS AND ARE NOT MEANT TO LIMIT UP-SIZING. ALL CONDUIT AND WIRE WILL BE LISTED AND APPROVED FOR THEIR PURPOSE. CONDUIT AND WIRE SPECIFICATIONS AREBASED ON MINIMUM CODE
- CONDUCTORS SIZED ACCORDING TO NEC 690.8, NEC 690.7.
- VOLTAGE DROP LIMITED TO 1.5%.
- WIRING CLIPS. SYSTEMS SHALL BE LOCATED AND SECURED UNDER THE ARRAY W/ SUITABLE DC WIRING LIMITED TO MODULE FOOTPRINT. MICROINVERTER WIRING
- IN 4-WIRE DELTA CONNECTED SYSTEMS THE PHASE WITH HIGHER VOLTAGE BLUE, YELLOW, ORANGE**, OR OTHER CONVENTION NEUTRAL- WHITE OR GREY PHASE B OR L2- RED, OR OTHER CONVENTION IF THREE PHASE PHASE C OR L3-AC CONDUCTORS COLORED OR MARKED AS FOLLOWS: PHASE A OR L1- BLACK

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GROUNDING NOTES:

GROUNDING DEVISES EXPOSED TO THE ELEMENTS SHALL BE RATED FOR SUCH GROUNDING SYSTEM COMPONENTS SHALL BE LISTED FOR THEIR PURPOSE, AND

SUNNYMAC

SUNDYMAC SOLAR LLC P.O BOX 30770 WILMINGTON, DE 19805

LIC# 13VH0576110 ELEC LIC#34EB01477200 DEBBIEF@SUNNYMACSOLAR.COM (844) 786-6962 EXT. 11 OR 21

REVISIONS

- PV EQUIPMENT SHALL BE GROUNDED ACCORDING TO NEC 690.43 AND MINIMUN
- METAL PARTS OF MODULE FRAMES, MODULE RACKING, AND ENCLOSURES CONSIDERED GROUNDED IN ACCORD WITH 250.134 AND 250.136(A).
- AND MICROINVERTER MANUFACTORER'S INSTRUCTIONS. EQUIPMENT GROUNDING CONDUCTORS SHALLBE SIZED ACCORDING TO NEC 690.45
- USED, MODULE GROUNDING LUGS MUST BE INSTALLED AT THE SPECIFIED EACH MODULE WILL BE GROUNDED USING WEEB GROUNDING CLIPS AS SHOWN IN MANUFACTURERDOCUMENTATION AND APPROVED BY THE AHJ. IF WEEBS ARE NOT REQUIREMENTS. GROUNDING E G HOLES PER 뀲 MANUFACTURER'S INSTALLATION
- ANOTHER MODULE, THE GROUNDING CONNECTION TO A MODULE SHALL BE ARRANGED SUCH THAT THE REMOVAL OFA MODULE DOES NOT INTERRUPT A GROUNDING CONDUCTOR TO
- GROUNDING AND BONDING CONDUCTORS, IF INSULATED, SHALL BE COLORED
- œ GREEN OR MARKED GREEN IF #4 AWG OR LARGER [NEC 250.119]
 THE GROUNDING ELECTRODE SYSTEM COMPLIES WITH NEC 690.47 AND NEC 250.50 GROUNDING ELECTRODE SYSTEM PROVIDED ACCORDING TO NEC 250, NEC 690.47 THROUGH 250.106. IF EXISTING SYSTEM IS INACCESSIBLE, OR INADEQUATE, A
- GROUND-FAULT DETECTION SHALL COMPLY WITH NEC 690.41(B)(1) AND (2) TO REDUCE FIRE HAZARDS

ထ

DISCONNECTION AND OVER-CURRENT PROTECTION NOTES:

- DISCONNECTING SWITCHES SHALL BE WIRED SUCH THAT WHENTHE SWITCH IS OPENED THE CONDUCTORS REMAINING ENERGIZED ARECONNECTED TO TERMINALS MARKED "LINE SIDE" (TYPICALLY THE UPPER TERMINALS)
- DISCONNECTS TO BE ACCESSIBLE TO QUALIFIED UTILITY PERSONNEL, LOCKABLE, AND BE A VISIBLE-BREAK SWITCH 器
- PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID RESPONDERS IN ACCORDANCE WITH 690.12(A) THROUGH (D). SHUTDOWN FUNCTION TO REDUCE SHOCK HAZARD FOR EMERGENCY
- ALL OCPD RATINGS AND TYPES SPECIFIED ACCORDING TO NEC 690.8, 690.9, AND
- Ç MICROINVERTER BRANCHES CONNECTED TO A SINGLE BREAKER OR GROUPED FUSES IN ACCORDANCE WITH NEC 110.3(B).
- Ģ IF REQUIRED BY AHJ, SYSTEM WILL INCLUDE ARC-FAULT CIRCUIT PROTECTION ACCORDING TO NEC 690.11 AND UL1699B.

INTERCONNECTION NOTES:

- LOAD-SIDE INTERCONNECTION SHALL BE IN ACCORDANCE WITH [NEC 705.12 (B)]
- EXCEED 120% OF BUSBAR RATING [NEC 705.12(D)(2)(3)] THE SUM OF THE UTILITY OCPD AND INVERTER CONTINUOUS OUTPUT MAY NOT
- BACKFEED BREAKERS MUST BE LOCATED OPPOSITE END OF THE BUS FROM THE UTILITY SOURCE OCPD [NEC 705.12(B)(2)(3)]. NOT EXCEED 120 PERCENT OF THE AMPACITY OF THE BUSBAR, PV DEDICATED AND THE RATING OF THE OVERCURRENT DEVICE PROTECTING THE BUSBAR SHALL THE SUM OF 125 PERCENT OF THE POWER SOURCE(S) OUTPUT CIRCUIT CURRENT
- AT MULTIPLE ELECTRIC POWER SOURCES OUTPUT COMBINER PANEL, TOTAL ACCORDING TO NEC 705.12 (B)(2)(3)(C) BUSBAR. HOWEVER, THE COMBINED OVERCURRENT DEVICE MAY BE EXCLUDED RATING OF ALL OVERCURRENT DEVICES SHALL NOT EXCEED AMPACITY OF
- FEEDER TAP INTERCONECTION (LOADSIDE) ACCORDING TO NEC 705.12 (B)(2)(1)

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2.7.8BACKFEEDING BREAKER FOR ELECTRIC POWER SOURCES OUTPUT IS EXEMPT SERVICE ENTRANCE CONDUCTORS IN ACCORDANCE WITH NEC SUPPLY SIDE TAP INTERCONNECTION ACCORDING TO NEC 705.12 (A) WITH FROM ADDITIONAL FASTENING [NEC 705.12 (B)(5)]. 230.42

> Description Project Name & Address 2/10/2023 Date

JASON GROVE RESIDENCE

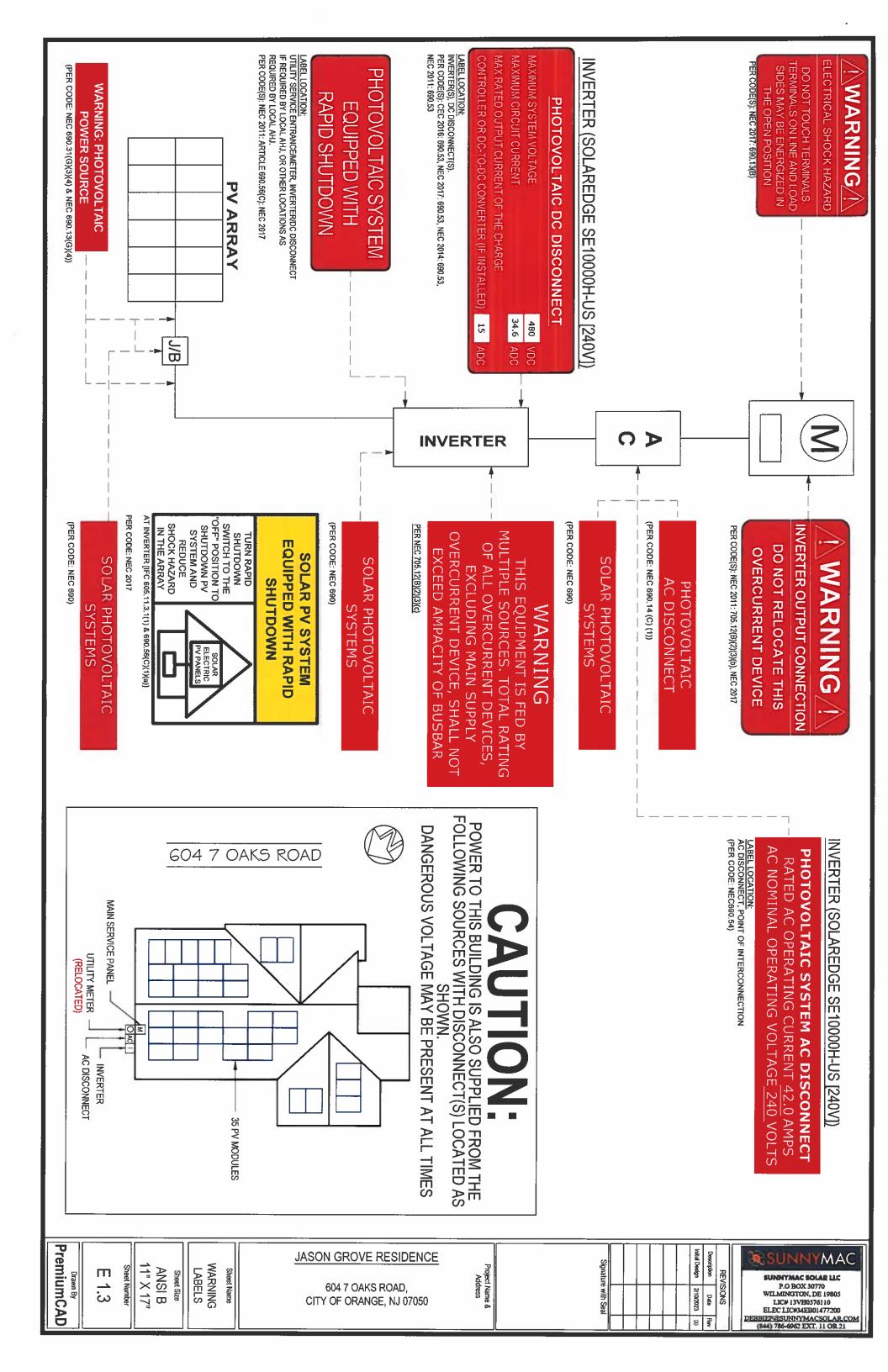
604 7 OAKS ROAD, CITY OF ORANGE, NJ 07050

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ANSI B 11" X 17"

NOTES

Sheet Name







Higher output power



Lower LCOE



Less shading and lower resistive loss

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



New linear power warranty
 Standard module linear power warranty

SOLAR

Comprehensive Certificates

- ISO 9001: 2015 Quality management systems · IEC 61215, IEC 61730,UL 61215, UL 61730
- ISO 14001: 2015 Environmental management systems
- tSO 45001: 2018 Occupational health and safety management systems
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules Guidelines for increased confidence in PV module design qualification and type approval



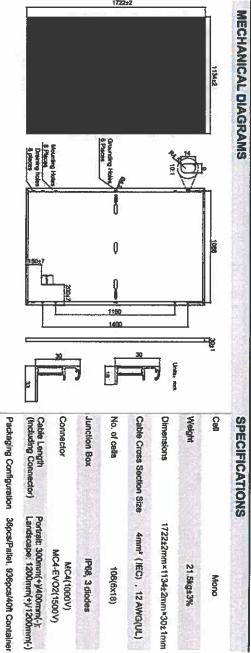






JA SOLAR

JAM54S31 380-405/MR



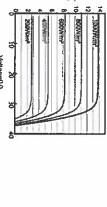
Remark, customized frame color and cable length available upon request

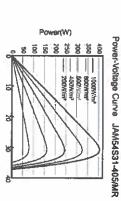
TYPE	JAM54S31 -380/MR	JAM54S31 -385/MR	JAM54S31 -390/MR	JAM54S31 -395/MR	JAM54S31 -400/MR	JAM54S31
Reled Maximum Power(Pmax) (W)	380	385	390	395	400	405
Open Circuit Voltage(Voc) [V]	36,58	36.71	36.85	36.98	37.07	37.23
Maximum Power Voltage(Vmp) [V]	30.28	30.46	30.84	30.84	31.01	3121
Short Circuit Current(Isc) [A]	13.44	13.52	13.61	13.70	13.79	13.87
Maximum Power Current(Imp) [A]	12.55	12.64	12.73	12.81	12.90	12.98
Modułe Efficiency [%]	19.5	19,7	20.0	20.2	20.5	20.7
Power Tolerance			0-+5W			
Temperature Coefficient of tsc(a_tsc)			+0.045%*C			
Temperature Coefficient of Voc(β_Voc)			-0.275%√℃			
Temperature Coefficient of Pmax(Y_Pmp)			-0.350%/°C			
STC		Intelligence (OOOM/inst soll to manufacture See And EO	Spelling Shahaman School and			S. C. Parishery III

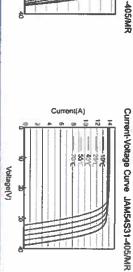
ELECTRICAL PARAMETERS AT NOCT	METERS	AT NOC					OPERATING CONDITIONS	TONS
TYPE	JAM54S31 -380/MR	JAM54531 -385/MR	JAM54S31 -390/MR	JAM54S31 -395/MR	JAM54S31 -400/MR	JAM64S31 -405/MR	Maximum System Voltage	1000V/1500V DC
Rated Max Power(Pmax) [W]	286	280	294	298	302	306	Operating Temperature	-40 C-+85 C
Open Circuit Voltage(Voc) [V]	34.36	34,49	34.62	34.75	34.88	35.12	Maximum Series Fuse Rating	25A
Max Power Voltage(Vmp) [V]	28.51	28.68	28.87	29,08	29.26	29.47	Maximum Static Load, Front* Maximum Static Load, Back*	5400Pa(112b/ft²) 2400Pa(50ib/ft²)
Short Circuit Current(Isc) [A]	10.75	10.82	10.89	10.96	11.03	11.10	NOCT	45±2 C
Max Power Current(Imp) [A]	10.03	10.11	10.18	10.25	10.32	10.38	Safety Class	Class I
NOCT	Irradian	59 800W/m²	ambient tem	perature 20°(wind speed	Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G	Fire Performance	UL Type 1

CHARACTERISTICS

Current-Voltage Curve JAM54S31-405/MR





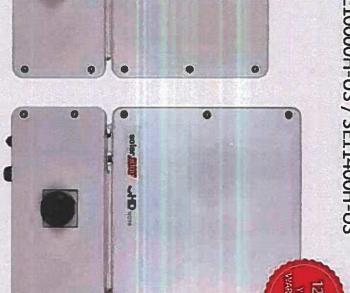


Premium Cells, Premium Modules

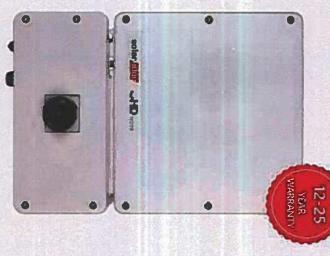
with HD-Wave Technology Single Phase Inverter

for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US / SE7600H-US / SE10000H-US / SE11400H-US



solar III L'Duca



INVERTERS

Optimized installation with HD-Wave technology

- Specifically designed to work with power optimizers
- Record-breaking 99% weighted efficiency
- Quick and easy inverter commissioning directly from a smartphone using the SolarEdge SetApp
- Fixed voltage inverter for longer strings
- Integrated arc fault protection and rapid shutdown for NEC 2014, NEC 2017 and NEC 2020 per article 690.11 and 690.12

solaredge.com

- UL1741 SA certified, for CPUC Rule 21 grid compliance
- Small, lightweight, and easy to install both outdoors or indoors
- Built-in module-level monitoring
- Optional: Faster installations with built-in production revenue grade metering (0.5% accuracy, ANSI C12.20) consumption metering (1% accuracy) and

solaredge

Single Phase Inverter with HD-Wave Technology

for North America

SE7600H-US / SE10000H-US / SE11400H-US SE3000H-US / SE3800H-US / SE5000H -US / SE6000H-US/

APPLICAMENT SERVICION SESSION SESSION SECTION SECTION	¥				< 2.5				Nighttime Power Consumption
SE3000H-US SE3800H-US SE5000H-US SE6000H-US SE1000BH-US SE11400H-US	26	99 @ 240V 98.5 @ 208V			99				CEC Weighted Efficiency
	98			9.2	9			99	Maximum Inverter Efficiency
					600ka Senstivity				Ground-Fault Isolation Detection
SECONON+-US SESOUDHUS SECONONHUS SECONONH					Yes				Reverse-Polarity Protection
SE3000H-US SE3800H-US SE6000H-US SE7500H-US SE10000H-US SE10000H-US SE111400H-US	Adc				45				Max Input Short Circuit Current
SE3000H-US SE3800H-US SE6000H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US	Adc	27		,	13.5	-	9	,	Maximum Input Current @208V ¹⁰
RETOLITYCENTERS SE3000H-US SE3000H-US SE5000H-US SE5000H-US SE10000H-US SE1000H-US SE	Adc	30.5	27	20	16.5	8.5	10.5	28	Maximum input Current @240V ²⁹
Chic Prive Prive	Æ		400			80			Nominal DC Input Voltage
SE3000H-US SE3000H-US SE6000H-US SE7500H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US SE11000H-US SE11000H-US SE11000H-US SE11000H-US SE11000H-US SE11000H-US SE11000H-US SE11000H-US SE10000H-US SE1000H-US SE100H-US S	ď				480				Maximum Input Voltage
Control Cont					Yes				Transformer-less, Ungrounded
SE3000H-US SE3800H-US SE5000H-US SE5000H-US SE7000H-US SE7000DH-US SE711300H-US	W	15500		•	7750	(*)	5100	,	Maximum DC Power @208V
County C	\$	17650	15500	11800	9300	7750	5900	4650	Maximum DC Power @240V
CLTO INTERIERS SE3000H-US SE3800H-US SE5000H-US SE7500H-US SE7500H-US SE10000H-US SE117400H-US SET7500H-US SE10000H-US SET7500H-US SE10000H-US SET7500H-US SET									INPUT
QUAMBER SE3000H-US SE3000H-US SE5000H-US SE6000H-US SE7000H-US SE10000H-US SE10000H-US SE11400H-US LTO INTRERIERS SEXXXXH-XXXXXBXXXX SEXXXXH-XXXXXBXXXX SEXXXXH-XXXXXBXXXX VADV SO00 @ 240V FO00 @ 240V TO00 @ 240V POWER Output 3000 @ 208V SO00 @ 208V 7600 10000 11400 @ 240V Shape Min-Nom-Nax J					Yes				Utility Monitoring, Islanding Protection, Country Configurable Thresholds
LITO ITALYENTERS SE3000H-US SE3000H-US SE3000H-US SE3000H-US SE3000H-US SE10000H-US SE10000H-US SE111400H-US LETO ITALYENTERS SEXXXH-XXXXXBXXXIIIIIIIIIIIIIIIIIIIIIIIIII	×				1				GFDI Threshold
SE3000H-US SE3800H-US SE3000H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US SE10000H-US SE11400H-US SE11400H-U				28.0	, Adjustable - 0.85 to	1			Power Factor
	>	485	8	•	24	•	85.	,	Maximum Continuous Output Current @208V
SE30000H-US SE3800H+US SE5000H-US SE10000H-US SE10000H-US SE10000H-US SE111400H-US SEXXXXH-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	>	47.5	42	32	25	21	86	12.5	Maximum Continuous Output Current @240V
SE30000H-US SE3800H+US SE5000H+US SE10000H+US SE10000H+US SE111400H+US SEXXXXH-XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	ZH.				59.3 - 60 - 60.5				AC Frequency (Nominal)
SE3000H-US SE3800H-US SE3000H-US SE10000H-US SE10000H-US SE11400H-US SEXXXXH-XXXXXBXX: SEXXXXH-XXXXXBXXX: SEXXXXH-XXXXXBXXX: SEXXXXH-XXXXXXBXX: SEXXXXH-XXXXXXBXX: SEXXXXH-XXXXXXBXX: SEXXXXH-XXXXXXBXXX: SEXXXXH-XXXXXXBXXX: SEXXXXH-XXXXXXBXXX: SEXXXXH-XXXXXXBXXX: SEXXXXXH-XXXXXXBXXX: SEXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Vac	•	35	-	4	Tim	<	•	AC Output Voltage MinNomMax. (183 - 208 - 229)
SE30000H-US SE3800H-US SE6000H-US SE7500H-US SE10000H-US SE11400H-US	20	2	•	*	ş	4	4	•	AC Output Voltage MinNomMax. (211 - 240 - 264)
SE3000H-US SE3000H-US SE5000H-US SE7500H-US SE10000H-US SE11400H-US	≨	11400 @ 240V 10000 @ 208V	10000	7600	6000 @ 240V 5000 @ 208V	5000	3800 @ 240V 3300 @ 206V	3000	Maximum AC Power Output
RTERS	\$	11400 @ 240V 10000 @ 208V	10000	7600	6000 @ 240V 5000 @ 208V	5000	3800 @ 240V 3300 @ 208V	3000	Rated AC Power Output
RTERS	W								OUTPUT
				exx.	XXXXX-HXXXX	32			APPLICABLE TO HAVERTERS WITH PAST NUMBER
		\$£11400H-U5	SE10000H-US	SE7600H-US	SG-H000935	SO-H00053S	SE3800H-US	SE3000H-US	MODEL NUMBER

(f) For other regional settings please contact SolarEdge support (2) A higher current source may be used, the inverter will limit its input current to the values stated

Single Phase Inverter with HD-Wave Technology for North America

SE3000H-US / SE3800H-US / SE5000H-US / SE6000H-US/ SE7600H-US / SE10000H-US / SE11400H-US

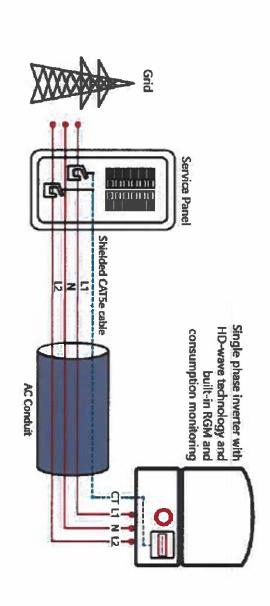
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ADDITIONAL FEATURES						
Supported Communication Interfaces		RS 485, Ethernet, 2	RS485, Ethernet, ZigBee (optional), Cellular (optional)	llular (optiona)		
Revenue Grade Metering, ANSI C12-20						7
Consumption metering			Opuonal			
Inverter Commissioning	With the SetAp	With the SetApp mobile application using Built-In WI-FI Access Point for Local Connection	using Built-in WI-FI	ccess Point for Lor	al Connection	
Rapid Shutdown - NEC 2014, NEC 2017 and NEC 2020, 690.12		Automatic Rapid S	Automatic Rapid Shutdown upon AC Grid Disconnect	and Disconnect		
STANDARD COMPLIANCE						
Safety	UL1741, UL	UL1741, UL1741 SA, UL16998, CSA C222, Canadian AFCI according to T1LL M-07	SA C222, Canadian	AFCI according to	TLM-07	
Grid Connection Standards		EEEss	IEEE1547, Rule 21, Rule 14 (HI)	0H)		1
Erwissions		_	FOC Part 15 Class B			
INSTALLATION SPECIFICATIONS	ONS	Walter State				
AC Output Conduit Size / AWG Range	1	1" Maximum / 14-6 AWG	6		1 Maximum /14-4 AWG	
DC Input Condut Size / # of Strings / AWG Range	1" Maxim	1" Maximum / 1-2 strings / 14-6 AWG	-6 AWG	:	1" Maximum / 1-3 strings / 14-6 AWG	
Dimensions with Safety Switch (HxWxD)	17 <i>7</i> ×1	17.7 x 14.6 x 6.8 / 450 x 370 x 174	x 174		21.3 × 14.6 × 7.3 / 540 × 370 × 185	in/mm
Weight with Safety Switch	22 / 10	25.1/11.4	26.2 / 11.9	119	38.8/17.6	lb/kg
Noise	A	<25			«SO	dBA
Cooling		7	Natural Convection			
Operating Temperature Range		-40	-40 to +140 / -40 to +60°	6.9		J. / J.
Protection Rating		NEMA 4X	NEMA 4X (Inverter with Safety Switch)	Switch)		
The control of the co		Va. Leasting	Asset that the children	- Annual of		

is) menter will revenue usace whate this execute ususuals, a realite with segure (space rigoution) and consumption whate this execute ususuals are consumption menting, current transformers should be ordered separately. Selection 20 00Na-20 or SEACTOTSD-400Na-20, 20 units per box

(4 Full power up to at least SEC / 122°F; for power de rating information refer to: https://www.solaredge.com/stex/defaut/files/seltemperature-derating-nose-na.pdf

How to Enable Consumption Monitoring

By simply wiring current transformers through the inverter's existing AC conduits and connecting them to the service panel, homeowners will gain full insight into their household energy usage helping them to avoid high electricity bills



Power Optimizer

S440, S500



POWER OPTIMIZE

Safety

FCC Part 15 Class B, EC61000-6-2, IEC61000-6-3, CISPR11, EN-55011
IEC02/109-1 (class II safety), UL1741
UL94 V-0, UV Resistant

VDE-AR-E 2100-712:2013-05

129 x 153 x 30 655 / 1.5

9/10

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Vdc

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INVERTER OR INVERTER OFF

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STANDARD COMPLIANCE

OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM Safety Output Voltage per Power Optimizer

Weighted Efficiency
Overvoltage Category

Maximum Efficiency

viaximum Short Circuit Current (Isc) of Connected PV Module

Absolute Maximum Input Voltage (Voc.)
VIPPT Operating Range

Rated Input DC Power*

8

8

= 60 99.5 99.5

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NPUT

Power Optimizer

S440, S500

OUTPUT DURING OPERATION

Maximum Output Current Maximum Output Voltage

Weight (induding cables) Fire Safety 왕 nput Wire Length Dimensions (W x L x H) INSTALLATION SPECIFICATIONS Aaximum Allowed System Voltage

Output Connector
Output Wire Length
Operating Temperature Range[®]
Protection Rating Relative Humidity

(I) Rated power of the module at STC will not exceed the power optimizer Rated Input DC Power. Modules with up to +5% power iderance are allowed (2) For other connector types please contact SolarEdge
(3) For ambient temperature above +70°C / +58°F power de-rating is applied Refet to Power Optimizers Temperature De -Rating Technical Note for mo

Rating Technical Note for more details

Three Phase

Three Phase for 277/480V grid

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MC4 0.1 MC4 (+) 2.3, (+) 0.10 -40 to +85 IP68 / NEMA6P

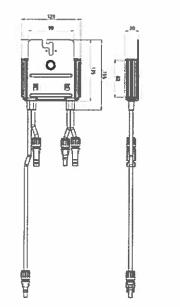
ri 3

Maximum String Length (Power Optimizers)
Maximum Nominal Power per String** nimum String Length wer Optimizers) \$440, \$500 5700 œ 553

(a) if the Inverters rated AC power is maximum nominal power per string, then the maximum power per string will be able to reach up to the Inverters maximum input DC power lefter to intocy/how coderable, convicted behalf interview power of province and province and

Parallel Strings of Different Lengths or Orientations





Functionality subject to inverter model and firmware version

Mitigates all types of module mismatch loss,

from manufacturing tolerance to partial shading

Superior efficiency (99.5%)

Faster installations with simplified cable

Compatible with bifacial PV modules

Flexible system design for maximum space utilization

Module-level voltage shutdown for installer and

firefighter safety

management and easy assembly using a single bolt

Specifically designed to work with SolarEdge

Detects abnormal PV connector behavior,

preventing potential safety issues

residential inverters

PV power optimization at the module level

solaredge.com

solar edge

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tradements of Selentidge Technologies, Inc. without notice.



Main	
Product or component type	Single Throw Safety Switch
Line Rated Current	60 A
Product certifications	UL listed
NEMA degree of protection	NEMA 3R
Disconnector device type	Fusible disconnect
Device composition	Neutral (factory installed)
Short-circuit current	100 kA maximum depending on fuse H, K or R
Device mounting	Surface
Number of poles	2
Electrical connection	Lugs
Series name	General duty

Complementary

Environment

WARNING: This product can expose you to chemicals
WARNING: This product can expose you to chemicals including: Including: Including: WARNING: This product can expose you to chemicals including: In

Contractual warranty Warranty period

18 months

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or eliability of these products for specific user applications. It is the day of any such user or integrator to perform the appropriate and complete risk enables, evaluation and testing of the products with respect to the relevant Neither Schneider Electric industries SAS nor any of its affiliates or subsidiaries shall be responsible or liabile for misuse of the information contained herein.

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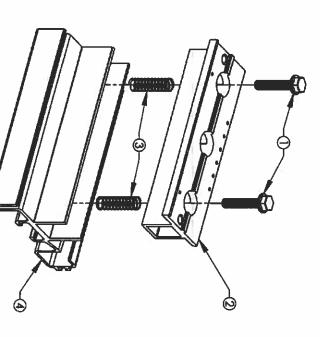
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ROCK-IT MOUNT ASSEMBLY

NOTE: ITEMS 1-11 SHIP ASSEMBLED

- 5/16"-18 x 1.5" Hex Flange Bolt 300 Series SS
- Rock-It Mid-Clamp 6005A-T5
- Compression Spring 300 Series SS
- Tie Plate 6005A-T5 AL
- Rock-It Shelf 6005A-T5 AL
- Flange Level Nut 300 Series SS
- Packaging O-Ring (Remove Prior to Installation)
- Rock-It Pedestal 6005A-T5 AL
- 3/8" ID Star Lock Washer 300 Series SS
- 3/8"-16 Hex Tap Bolt 300 Series SS
- 5/16"-18 x .375" Hex Flange Bolt 300 Series SS
- Rock-It-Slide 6005A-T5 AL
- 5/16" ID EPDM Bonded Washer 300 Series SS
- 5/16" x 4" Hex Lag Screw or 5/16"-18 X 1.50" Hex Bolt 300 Series SS

ROCK-IT COUPLING ASSEMBLY



NOTE: ITEMS 1-4 SHIP assembled

- 5/16"-18 x 1.5" Hex Flange Bolt 300 Series SS
- Rock-It Coupling Mid Clamp 6005A-T5 AL
- Compression Spring 300 Series SS

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N -

Rock-It Coupling Shelf 6005A-T5 AL

ROCK-IT SUSTOM

- Fastest, easiest to level system on the market ETL listed to UL SUB 2703

- Class A Fire rating with Type 1 modules Integrated electrical bonding
- SIMPLE- only 3 components
- Fixed wire management tray
- North-South adjustability of up to 4"
- Only one tool required (1/2" deep well socket)

10 Year Material and Workman-	Warranty	12 units	Coupling Box QTY
Installation Manual		50 units	Rock-It Slide Box QTY
Lesser of 25% Width, or Module	Module Cantilever	12 units	Mount Box QTY
5/16" dlameter	Silde Fastening Hole	6 units	Skirt Box QTY
547lbs with Single 5/16" Lag 3.0 Safety Factor	Rock-it Mount Load Rating	72"	Max Anchor Spacing
45 PSF	Max Downforce/Uplift Rating	1/2:12/12:12	Min/Max Roof Slope
64.96"(1650mm) x 39.05"(992mm) x 2"(50mm)	Max Module Size	4"	Rock-It Slide Range
14 AWG- 4 AWG Copper Ground Wire	Ground Wire Per above Lug spec.	3-4"	Leveling Range
Burndy CL50-1TN Ground Lug (UL Listing #KDER E9999)	Lug Specifications	With UL1703 Type 1 Rated Modules	Class A Fire Rating
Black Andodization/Mill Finish	Coating	1000VDC	Max System Voltage
300 Series Stainless, 6000 Series Aluminum	Materials	300 Modules per ground lug	Max No. of Panels

Codes: National Electric Code, ANSI/NFPA 70, NEC 250, NEC 690, IRC, IBC Standards: UL 2703, UL 1703



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AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing

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1	Emall:	FAX:		Phone:		Contact:	Country:			Address:	Manufacturer:
	Elaine.ouyang@jabil.com	N/A	135-7023-5852	020-2805-4025/		Elaine Ouyang	China	GUANGZHOU, GUANGDONG 510530	128 JUN CHENG RD	DEV EAST DISTRICT	Jabil Circuit (Guangzhou) LTD

Party Authorized To Apply Mark: Report Issuing Office: Same as Manufacturer Cortland NY 13045

Control Number: 4004590 Authorized by:

electi Jlla-Pia Johansson-Nilsson

for Dean Davidson, Certification Manager



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Standard(s): Inverters, Converters, Controllers And Interconnection System Equipment For Use With Distributed Energy Resources [UL 1741:2010 Ed.2(Supplement SA)+R:07Sep2016]

Power Conversion Equipment [CSA C22.2#107.1:2016 Ed.4].

UL SUBJECT 1699B Issued: 2013/01/14 Ed: 2 Outline of Investigation for Photovoltaic (PV) DC ARC-

Product:
Brand Name:
Models: SE3000H-US, SE3800H-US, SE5000H-US, SE6000H-US, SE7600H-US, SE10000H-US and SE11400H Grid support Utility Interactive Inverter - Non Isolated Photovoltaic Inverter with MPPT function and Rapid

ATM for Report 102144760CRT-001e

Page 1 of 2

ATM Issued: 10-Oct-2017

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Country: Control Number: 4004590 FAX Phone: Applicant: Address: Report Issuing Office: Email: 972 9 957 6591 OREB.B@SOLAREDGE.COM SolarEdge Technologies Ltd 1 HaMada Street MEIR.A@SOLAREDGE.COM Mr. Meir Adest Herzeliya 4673335 Mr. Oren Bachar or +972 9 957 6620 #131 +972 9 957 6620 #293 or Same as Manufacturer Cortland NY 13045 Country: Manufacturer: Address: FAX: Phone: 88 Soseaua Borsulul, Bors, Bihor county, Celestica Romania rbodan@celestica.com Renata Bodan +40-722-964-215 +40-359-403-661

Party Authorized To Apply Mark:

Authorized by:

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Standard(s): Inverters, Converters, Controllers And Interconnection System Equipment For Use With Distributed Energy Resources [UL 1741:2010 Ed.2(Supplement SA)+R:07Sep2016]

Power Conversion Equipment [CSA C22.2#107.1:2016 Ed.4].

UL SUBJECT 1699B Issued: 2013/01/14 Ed: 2 Out tline of Investigation for Photovoltaic (PV) DC ARC-

Fault Circuit Protection
Grid support Utility Interactive inverter - Non Isolated Photovoltaic Inverter with MPPT function and Rapid SolarEdge SE3000H-US, SE3800H-US, SE5000H-US, SE6000H-US, SE7600H-US, SE10000H-US and SE11400H

ATM for Report 102144760CRT-001e

Page 2 of 2

ATM Issued: 10-Oct-2017 ED 16.3.15 (20-Apr-17) Mandatory

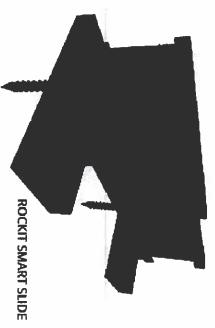


NTRODUCING ROCKIT SMART SLIDE!

Introducing EcoFasten's patent pending RockIt Smart Slide, our simple solution for quickly installing the popular RockIt rall-less racking system to composition shingle roofs.

Features & Benefits

- Eliminates the need to pry up shingle courses and install a metal flashing
- Multiple opportunities to find the rafter Eliminates the need to drill pilot holes
- No need for additional material when architectural shingles are not level
- Longer 6.75" slide avoids overlaps in shingle courses
- Integrated flashing utilizes
 UltraGrip Technology™ to create



Required Components:

Part Number:	Description:
2011024	RI SMART SLIDE BLK 6.75"
2011025	RI SMART SCRW #12X3" W/BW

ECOPASTENSOLAR.COM

ROCKIT SMART SLIDE

integrated UltraGrip Technology™

Pre-installed sealing pads are compatible with all composition shingle roofs and can be installed in ambient temperatures as low as 5 degrees. The compression achieved when fastened to the roof creates a super strong watertight seal. In most cases, Smart Slide can be installed to the roof without the need for sealant. A layer of flexible foam provides cushioning, which allows the supersticky waterproofing sealant to embed deep into the granules of the shingle as well as to flexibly conform over the steps found on architectural-style shingles.







Testing & Documentation

A layer of flexible foam pushes the sealant deep into the shingle granules and around shingle steps

- UL441 Rain Report
- TAS 100 (A)-95 Wind and Wind Driven
 Rain Resistance
- Mechanical Load Test/Structural Capacity Certification
- Florida Product Approval
- Rockit installation Manual
- Rockit CutSheets





VERBION 1.2

ROCKI

INSTALLATION GUIDE



SMART SLIDE INSTALLATION

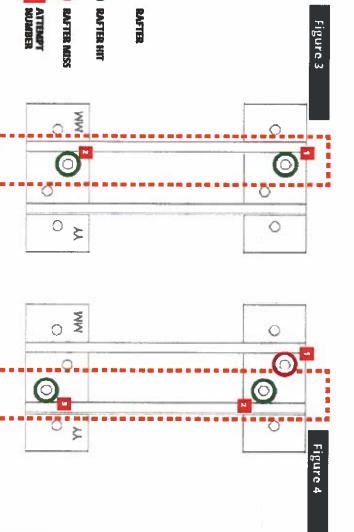
SCREW PLACEMENT

A. PERFECT INSTALLATION - Starting at the north end of the slide, ideally from left to right in the center 2 holes, drive the first screw down until the washer is correctly compressed to the base (as shown in figure 2). If a rafter is hit with the first screw, the second screw can immediately be driven directly below in the south end of the slide making sure the bonding washer is again, correctly compressed. No additional screws are needed if the first 2 screws hit the rafter (see figure 3)

B. IDEAL INSTALLATION - If the rafter is missed with the first screw as shown in figure 4 by the red circle, drive a second screw through the adjacent center north hole. If the rafter is hit with the second screw, the third screw can immediately be driven directly below in the south end of the slide making sure the bonded washer is again, correctly compressed. No additional screws are needed if the 2nd and 3rd screw hit the rafter. NOTE: Do not remove any screws that did not hit the rafter.

C. ACCEPTABLE INSTALLATION - In all installations when the rafter is hit on either end of the slide, all 8 screws must be installed. (See figure 5)

D. MISSED RAFTER - If a rafter is missed completely within the slide, you must add another slide to the previous rafter. You may then continue with your job specific attachment spans (See figure 6).



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ROCKIT

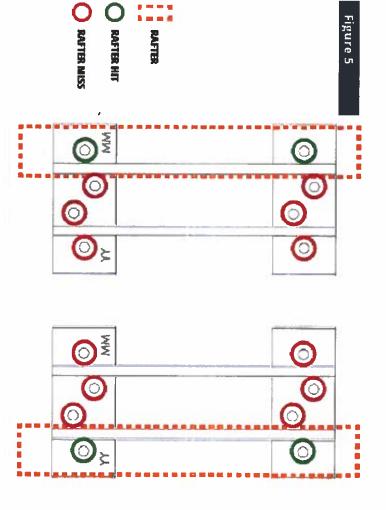
INSTALLATION GUIDE



Installers. By Installers.

SMART SLIDE INSTALLATION

ACCEPTABLE INSTALLATION



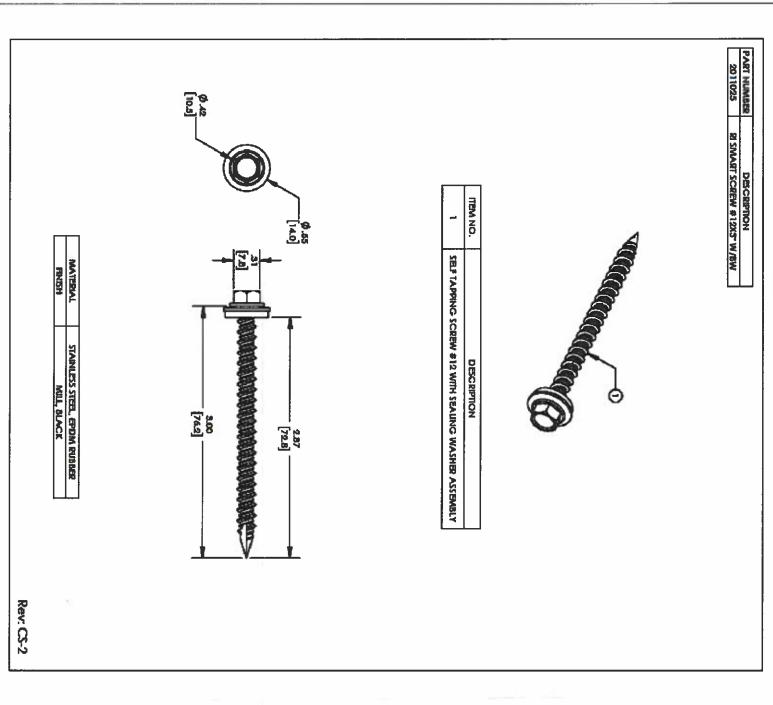
NOTE: DO NOT REMOVE ANY SCREWS THAT HAVE MISSED THE RAFTER. ROCKIT FLASHLESS IS DESIGNED TO GIVE THE INSTALLER MULTIPLE OPPORTUNITIES TO FIND THE RAFTER MAKING INSTALLATION QUICK AND THOUGHTLESS.

A PAGE

PAGE **14**

INSTALLATION

RI SMART SCREW #12X3" W/BW



EPDM BOND WASHER SS .313" (51)

