

QUICKMOUNT ROCKIT RAIL-LESS PHOTOVOLTAIC PANEL RACKING SYSTEM
WITH ROCKIT SMART SLIDE ROOF ATTACHMENTS

GENERAL NOTES:

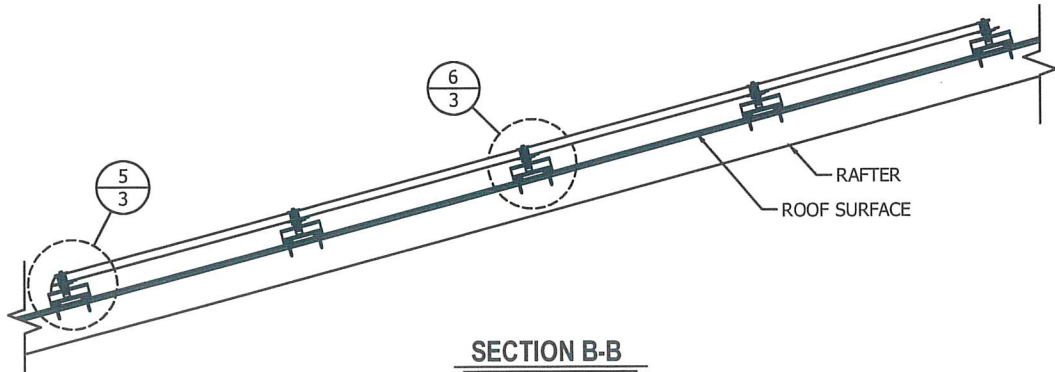
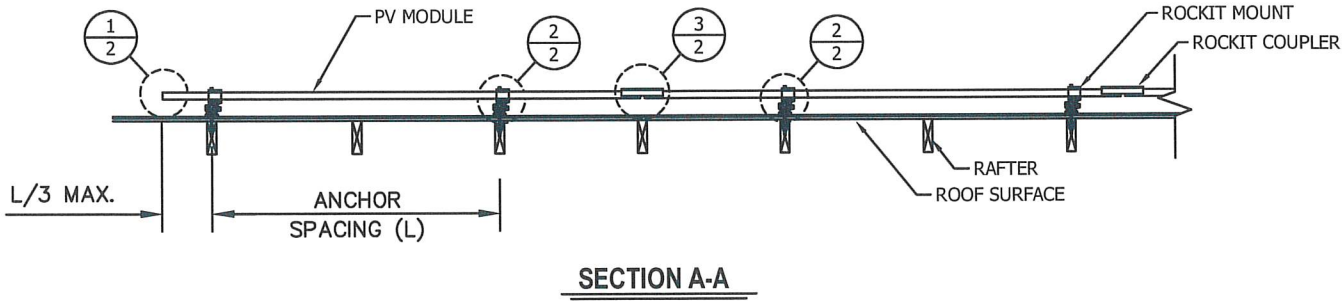
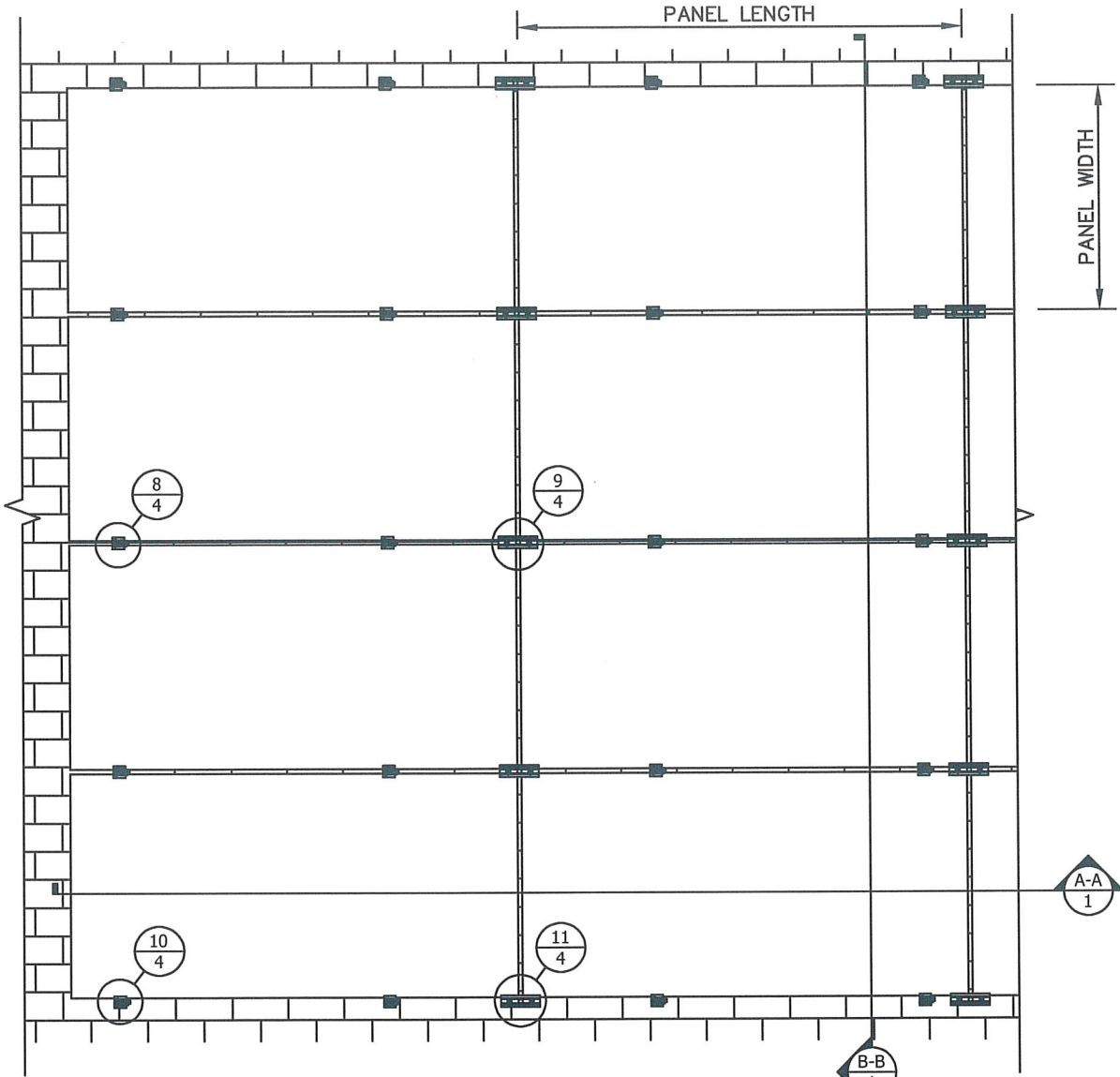
- 1. THIS SYSTEM MEETS ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
- 2. THIS SYSTEM HAS BEEN TESTED PER TAS 100(A) AND ASTM D7147. IT IS NOT A PART OF THE BUILDING ENVELOPE, AND IMPACT RESISTANCE IS NOT REQUIRED.
- 3. THIS SYSTEM SHALL BE INSTALLED PER THE QUICKMOUNT ROCKIT INSTALLATION MANUAL.
- 4. THIS SYSTEM IS DESIGNED TO WORK WITH SEVERAL TYPES OF PV PANELS. THE DESIGN OF THE PANELS IS BY OTHERS AND IS NOT A PART OF THIS APPROVAL.
- 5. THE DESIGN OF THE ROOF SUBSTRATE IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD OR OTHER SPECIALTY ENGINEER, AND IS NOT A PART OF THIS APPROVAL. THE SUBSTRATE MUST SAFELY TRANSMIT THE LOADS APPLIED TO THIS SYSTEM TO THE BUILDING STRUCTURE.
- 6. FIRE RATINGS OR FIRE RESISTANCE IS NOT A PART OF THIS REVIEW.
- 7. ALL ANCHORS SECURING THE SYSTEM TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
- 8. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE PROTECTED PER FBC REQUIREMENTS.
- 9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. Cd=1.6 WAS USED FOR WOOD SCREWS ONLY.

WINDLOAD NOTES:

- 1. DESIGN WINDLOADS MUST BE CALCULATED BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT, PER ASCE 7-22 SECTION 29.4.4. (ASD) DESIGN WINDLOADS MAY NOT EXCEED THE ALLOWABLE WINDLOADS SHOWN IN THE CHART BELOW.
- 2. THE (ASD) ALLOWABLE LOADS FOR THE ROCKIT SYSTEM COMPONENTS ARE LISTED BELOW. THE ENGINEER OF RECORD (EOR) OR THE AUTHORITIES HAVING JURISDICTION (AHJ) MUST VERIFY THE PV PANELS USED WITH THIS PRODUCT WILL MEET THE LOAD REQUIREMENTS OF EACH PROJECT WHEN INSTALLED AS PART OF A RAIL-LESS SYSTEM.
- 3. PANEL SYSTEM LOCATION, HEIGHT, AND SPACING MUST MEET THE REQUIREMENTS OF ASCE 7-22 SECTION 29.4.4. WINDLOADS ACT NORMAL TO THE SURFACE OF THE PV PANEL SYSTEM.
- 4. ALLOWABLE WINDLOADS FOR FASTENER PATTERNS #1 & #2 ARE BASED ON EMBEDMENT IN WOOD RAFTERS WITH S.G.=0.42 MIN.

ALLOWABLE WINDLOADS								
PANEL WIDTH	PANEL LENGTH	ANCHOR SPAN (L)	ROCKIT MOUNT WITH SMART SLIDE					
			FASTENER PATTERN #1 or #2	FASTENER PATTERN #3				
(in)	(in)	(in)	(psf)	7/16" OSB (psf)	15/32" OSB (psf)	19/32" OSB (psf)		
LANDSCAPE LAYOUT:								
41.5	86	16	108.3	37.8	44.0	57.6		
		24	72.8	25.7	29.6	38.8		
		32	55.2	19.1	22.4	29.5		
		36	48.6	17.0	19.8	26.0		
		48	36.4	12.8	14.9	19.4		
		60	29.1	10.0	11.8	15.6		
		64	27.4	9.5	11.1	14.6		
45	92.5	72	24.3	8.5	9.9	13.0		
		16	99.8	34.9	40.6	53.1		
		24	67.2	23.7	27.3	35.8		
		32	50.9	17.6	20.6	27.2		
		36	44.8	15.7	18.2	24.0		
		48	33.6	11.8	13.7	17.9		
		60	26.9	9.3	10.9	14.4		
45	92.5	64	25.3	8.8	10.2	13.4		
		72	22.4	7.8	9.1	12.0		
		PORTRAIT LAYOUT:						
		45	67.5	16	66.5	23.2	27.1	35.4
				24	44.8	15.8	18.2	23.9
				32	33.9	11.7	13.7	18.1
				36	29.8	10.4	12.1	16
48	22.4			7.9	9.2	11.9		
45	80	16	56.1	19.6	22.8	29.9		
		24	37.8	13.3	15.4	20.1		
		32	28.6	9.9	11.6	15.3		
		36	25.2	8.8	10.2	13.5		
		48	18.9	6.6	7.7	10.1		
45	86	16	52.2	18.2	21.2	27.8		
		24	35.1	12.4	14.3	18.7		
		32	26.6	9.2	10.8	14.2		
		36	23.4	8.2	9.5	12.5		
		48	17.6	6.2	7.2	9.4		

SEE SHEET 2/6 FOR FASTENER PATTERNS.



SCOTT WOLTERS
FL PE# 62354

WOLTERS ENGINEERING
(COA# 27194)
15211 97TH ROAD N
WEST PALM BEACH, FL 33412
(561) 225-1982

STATE OF FLORIDA
AUG 16 2025
PROFESSIONAL ENGINEER

1ST SUBMITTAL
PRINTS ISSUED FOR

DATE
8/16/25

REV.#

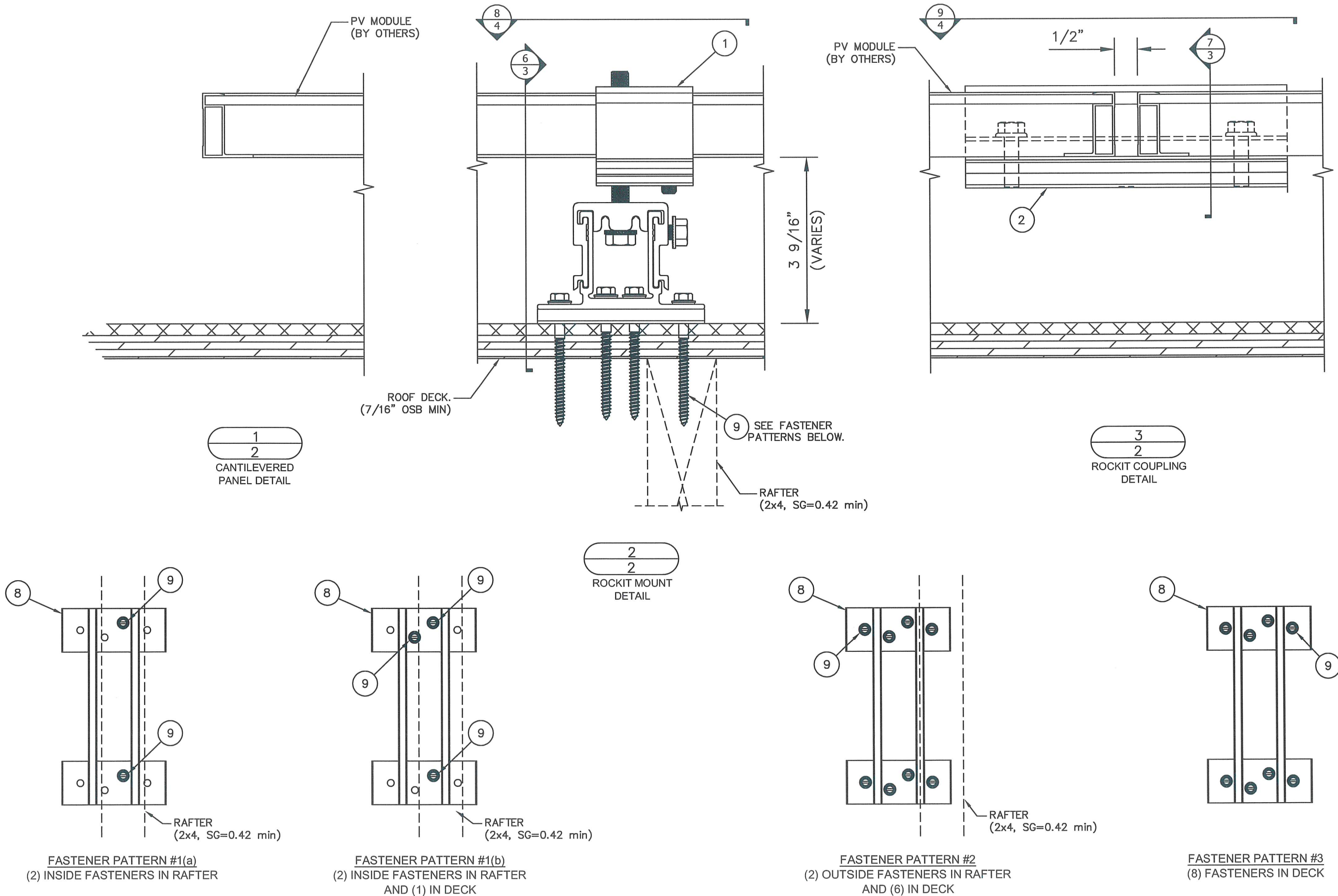
IRONRIDGE

DWG: IRROCK-SSL
SHEET: 1/6

28357 INDUSTRIAL BLVD.
HAYWARD, CA 94545

PHONE: (800) 227-9523
info@ironridge.com

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WEST PALM BEACH, FL 33412
(561) 225-1982

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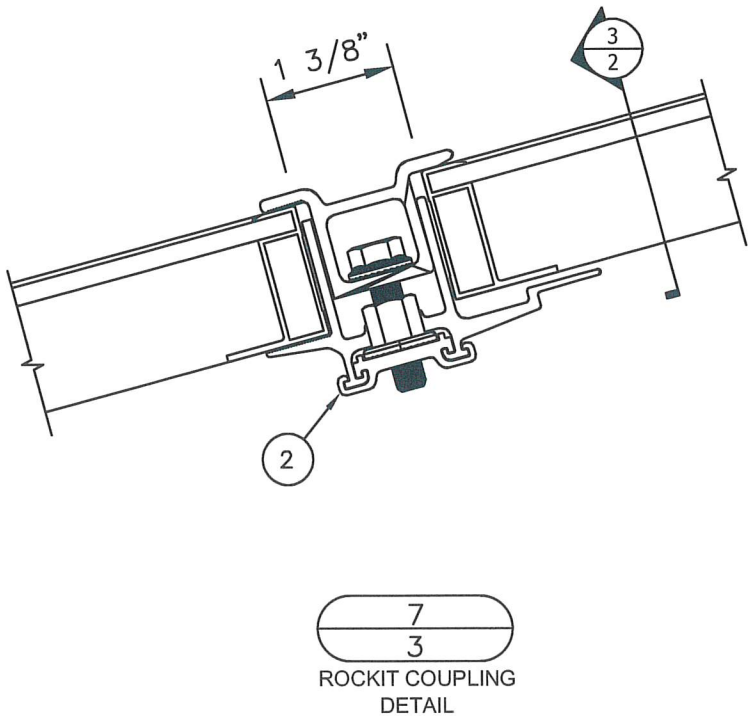
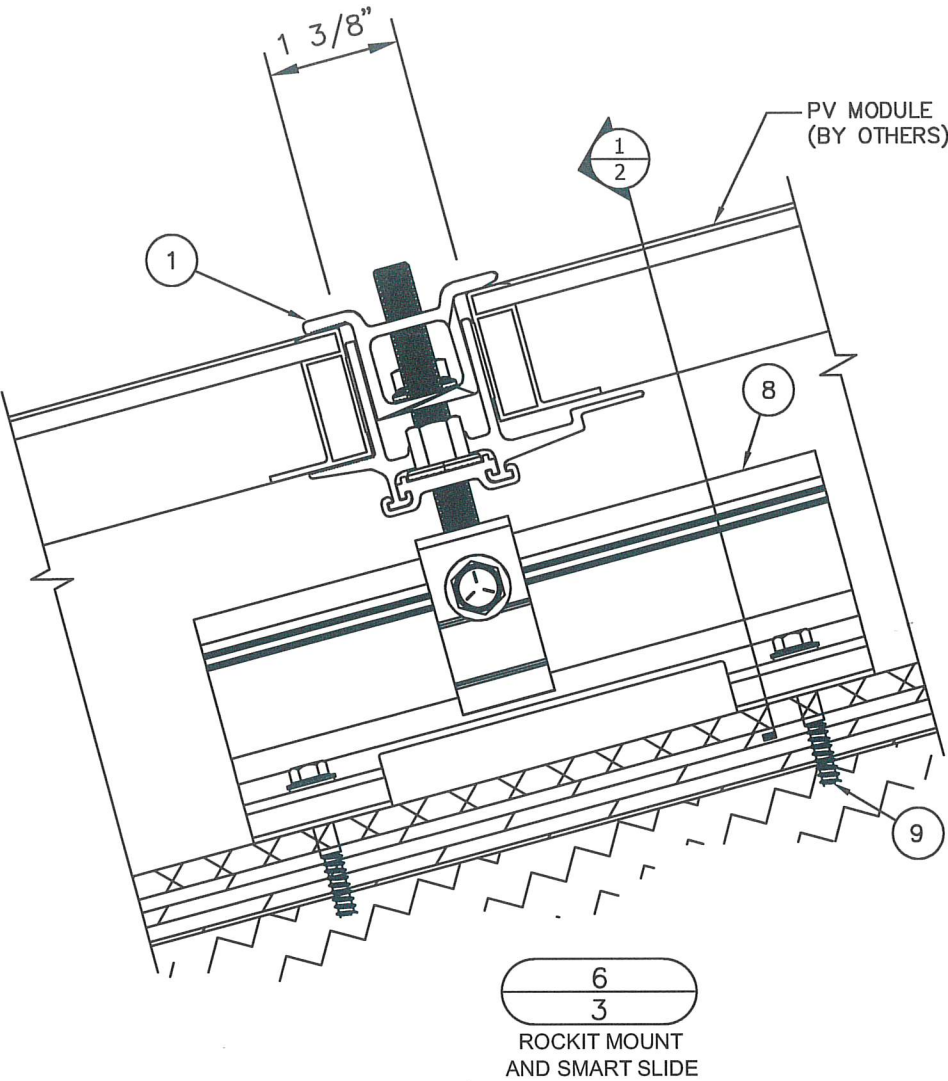
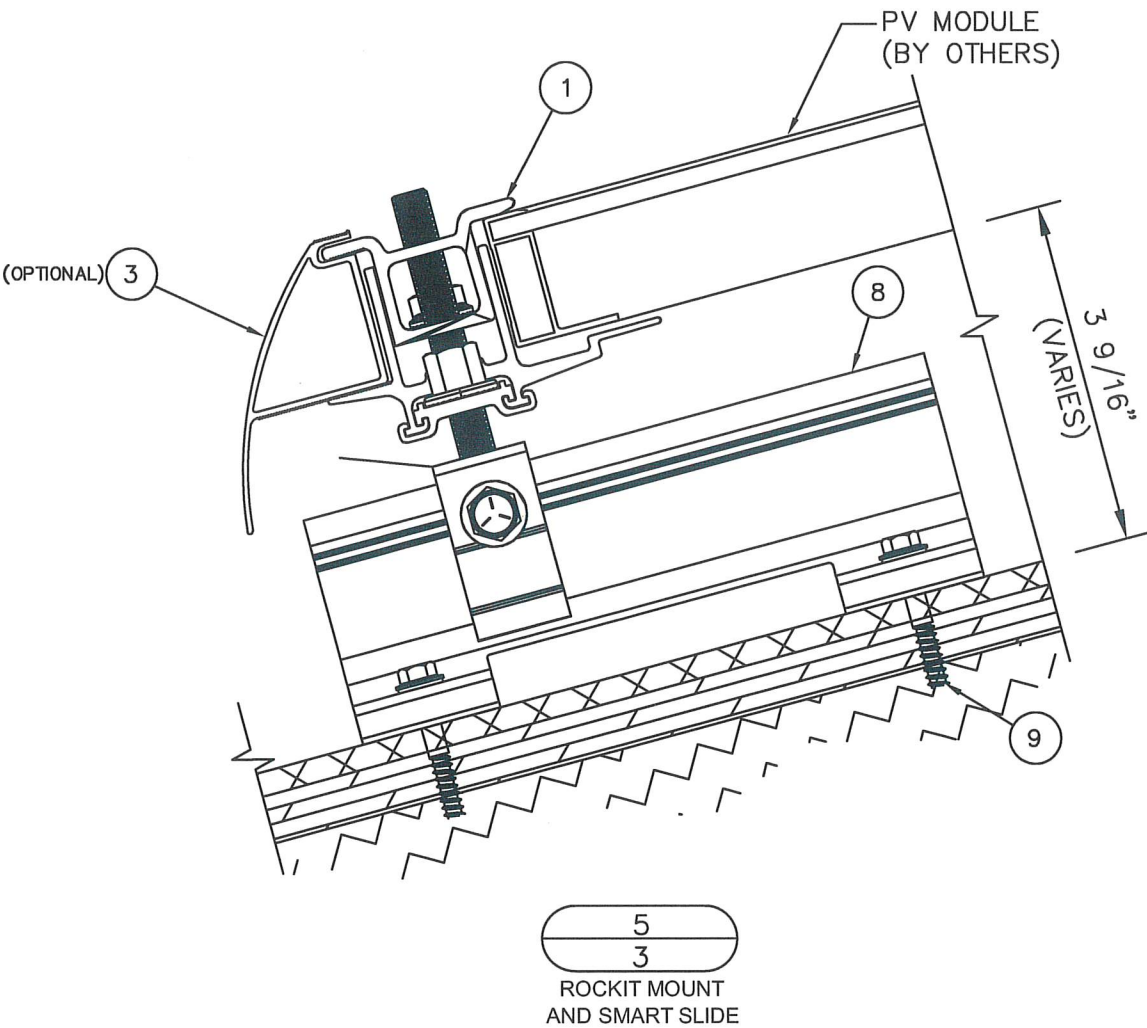
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HAYWARD, CA 94545

PHONE: (800) 227-9523
info@ironridge.com

DWG: **IRROCK-SSL**

SHEET: **2/6**

QUICKMOUNT ROCKIT RAIL-LESS PHOTOVOLTAIC PANEL RACKING SYSTEM
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DWG: IRROCK-SSL
SHEET: 3/6

28357 INDUSTRIAL BLVD.
HAYWARD, CA 94545

PHONE: (800) 227-9523
info@ironridge.com

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WEST PALM BEACH, FL 33412
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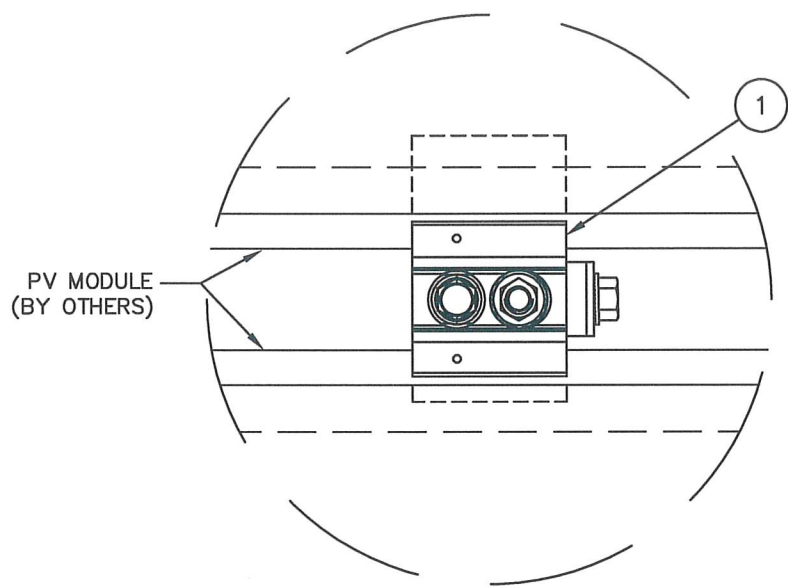
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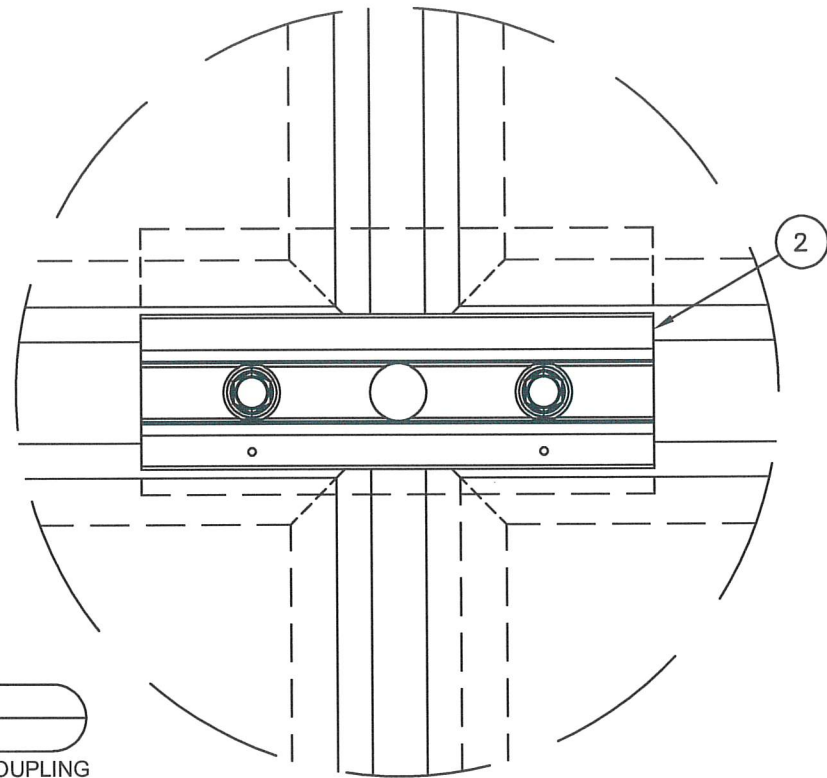
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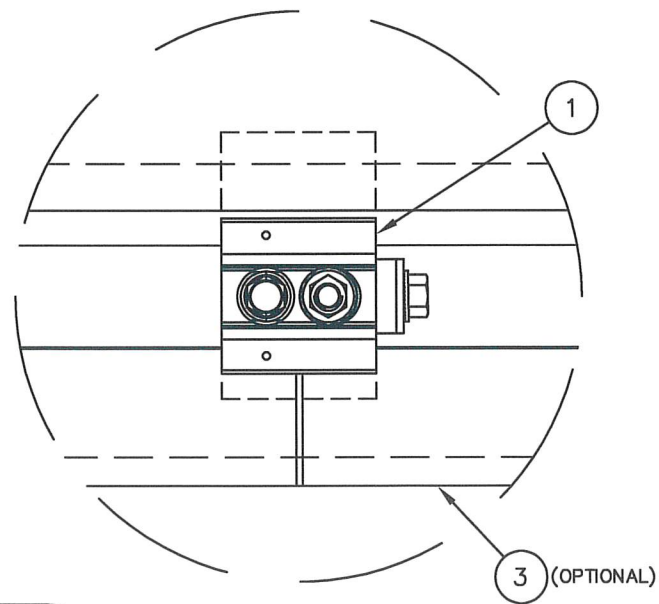
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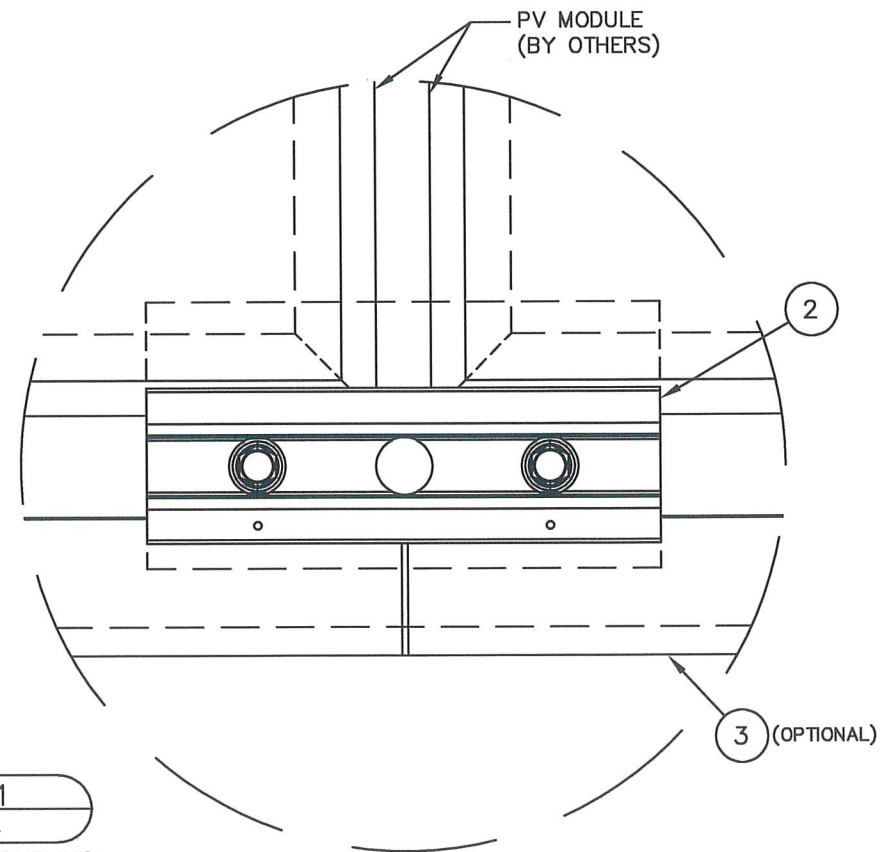
8
4
ROCKIT MOUNT
(TOP VIEW)



9
4
ROCKIT COUPLING
(TOP VIEW)



10
4
ROCKIT MOUNT
(TOP VIEW)



11
4
ROCKIT COUPLING
(TOP VIEW)

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WEST PALM BEACH, FL 33412
(561) 225-1982

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28357 INDUSTRIAL BLVD.
HAYWARD, CA 94545

PHONE: (800) 227-9523
info@ironridge.com

DWG: IRROCK-SSL
SHEET: 4/6

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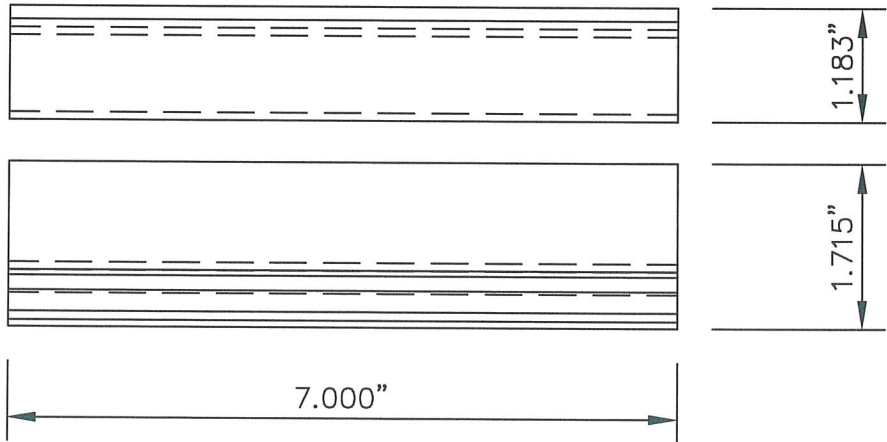
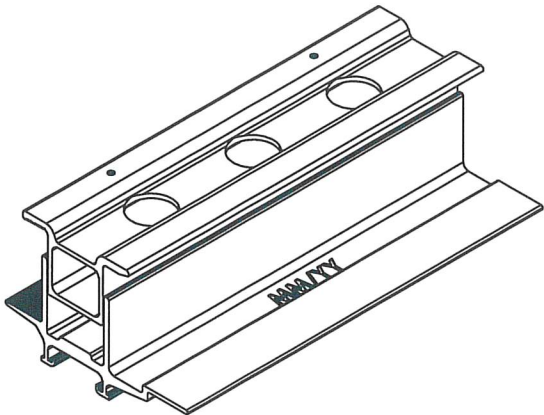
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(COA# 27194)
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PROFESSIONAL ENGINEER

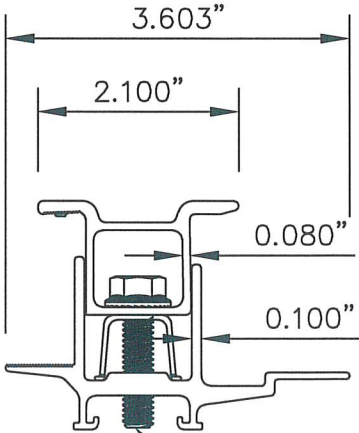
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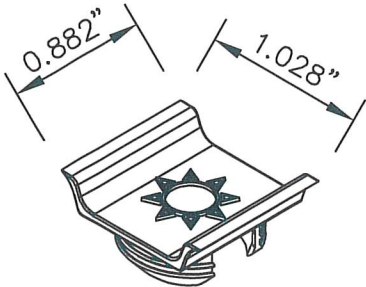
BILL OF MATERIALS- ROCKIT SYSTEM		
#	DESCRIPTION	MATERIALS/NOTES
1	ROCKIT MOUNT ASSEMBLY	6000 SERIES ALUMINUM & 300 SERIES STAINLESS & POLYMERIC
2	ROCKIT COUPLING ASSEMBLY	6000 SERIES ALUMINUM & 300 SERIES STAINLESS & POLYMERIC
3a	ROCKIT SKIRT 35MM&40MM AXX	6000 SERIES ALUMINUM
3b	ROCKIT SKIRT 32MM&38MM BXX	6000 SERIES ALUMINUM
3c	ROCKIT SKIRT 30MM CXX	6000 SERIES ALUMINUM
4	ROCKIT SKIRT END CAP	POLYMERIC
5	ROCKIT COUPLING FOOT ASSEMBLY (OPTIONAL)	POLYMERIC
6	ROCKIT MID CLAMP CAP PLUG (OPTIONAL)	POLYMERIC



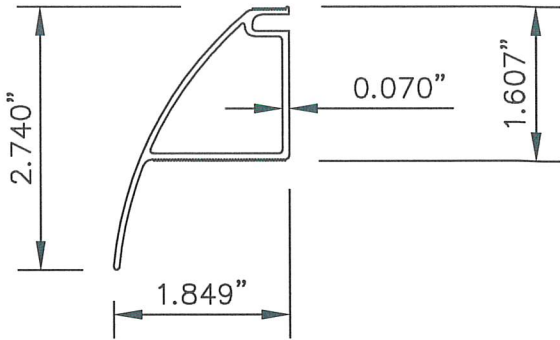
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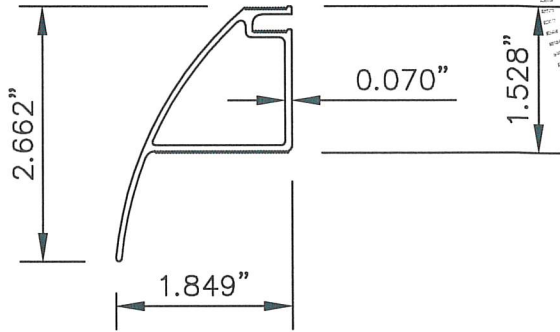
5/16"x1 1/4" HH FLANGE
BOLTS (300 SERIES SS,
Fut=100 ksi min)



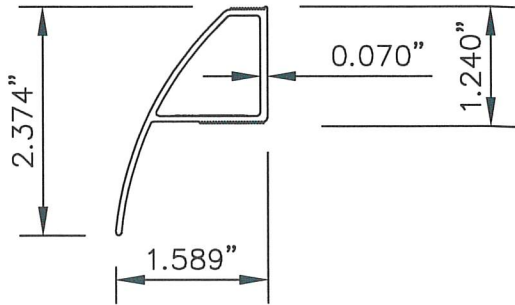
6



3A



3B



3C

IRONRIDGE

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DWG: IRROCK-SSL

SHEET: 5/6

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FL PE# 62354

WOLTERS ENGINEERING
(COA# 27794)
15211 97TH ROAD N
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BILL OF MATERIALS- ROCKIT SMART SLIDE

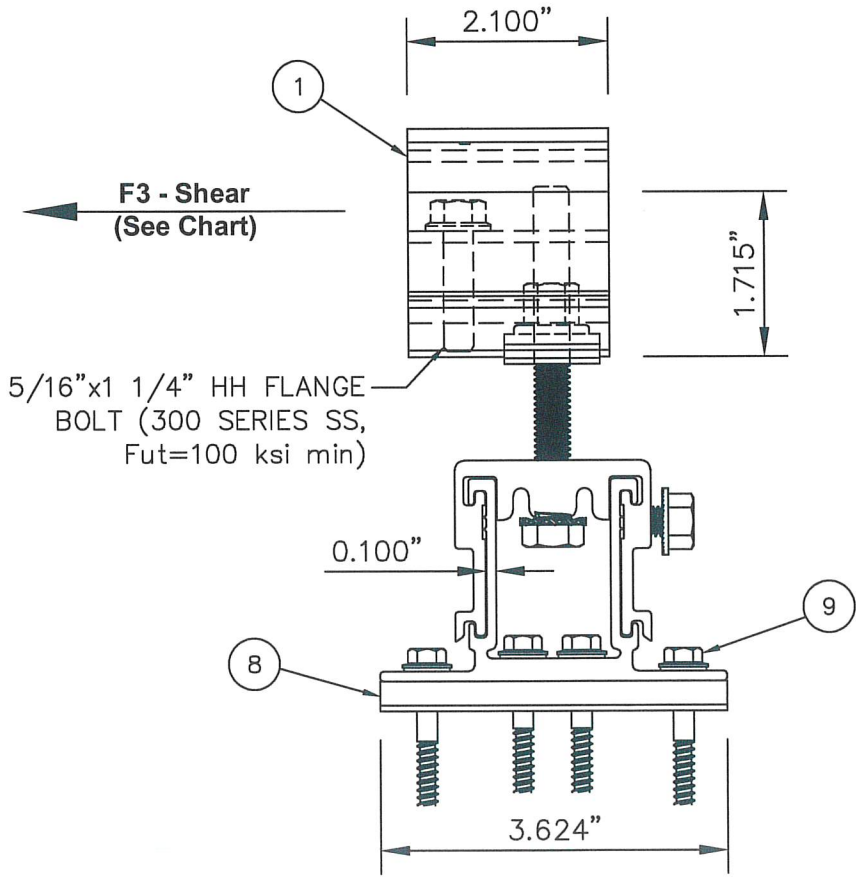
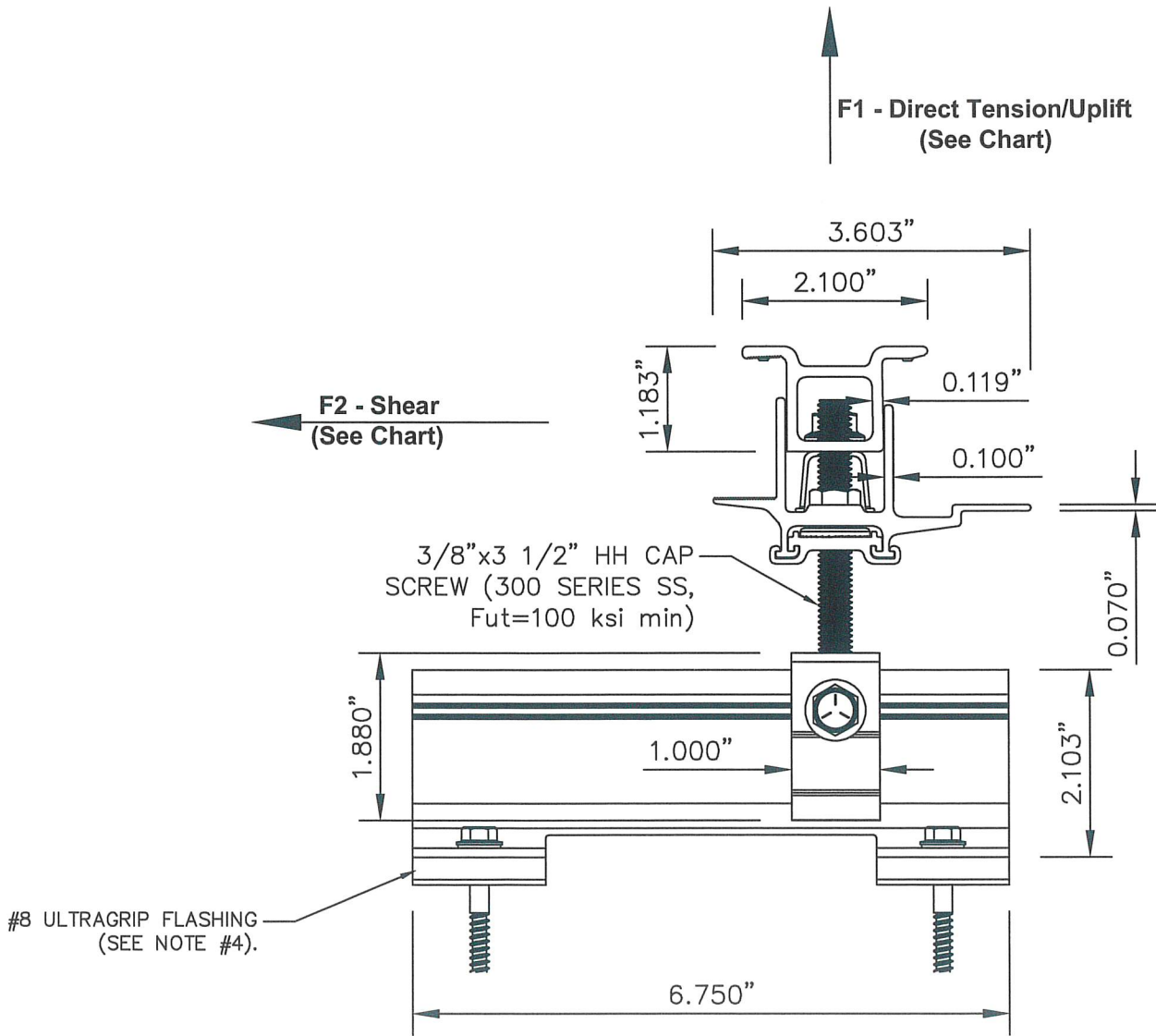
#	DESCRIPTION	MATERIALS/NOTES
1	ROCKIT SMART SLIDE	6000 SERIES ALUMINUM
8	ULTRAGRIP FLASHING	PROPRIETARY FLASHING TECHNOLOGY
9	SCREW, #12 X 3" WITH EPDM BACKED WASHER	300 SERIES STAINLESS & EPDM

ANCHOR NOTES:

1. ANCHOR CAPACITIES LISTED ARE PER FLPA# 39871.
2. SEE FASTENER PATTERNS ON SHEET 2/6.
3. CAPACITIES FOR FASTENER PATTERNS #1 AND #2 APPLY TO RAFTER SIZE OF 2x4 OR GREATER, DECK THICKNESS OF 7/16" OR GREATER, AND LAG SCREWS SECURED WITHIN THE CENTER 1/3 OF RAFTER WITH 2 1/2" MIN. END DISTANCE.
4. ANCHORS ARE SUPPLIED WITH FACTORY-APPLIED ULTRAGRIP FLEXIBLE FLASHING, AS LISTED IN TEST REPORT 9042.02-301-47.

ALLOWABLE LOADS

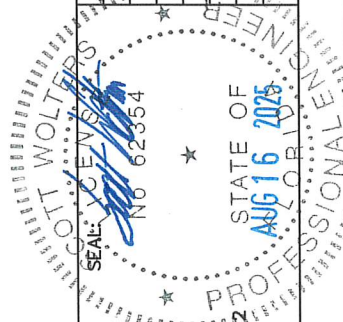
LOAD DIRECTION	ROCKIT MOUNT WITH SMART SLIDE			
	FASTENER PATTERN #1 or #2 (lb)	FASTENER PATTERN #3		
		7/16" OSB (lb)	15/32" OSB (lb)	19/32" OSB (lb)
F1 - UPLIFT	530	186	216	283
F2 - SHEAR	142	142	142	142
F3 - SHEAR	103	82	82	82



DWG: IRROCK-SSL
SHEET: 6/6

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