

ECOFASTEN ROCKIT RAIL-LESS PHOTOVOLTAIC PANEL RACKING SYSTEM
WITH ECOFASTEN V5 COMP SLIDE ROOF ATTACHMENTS

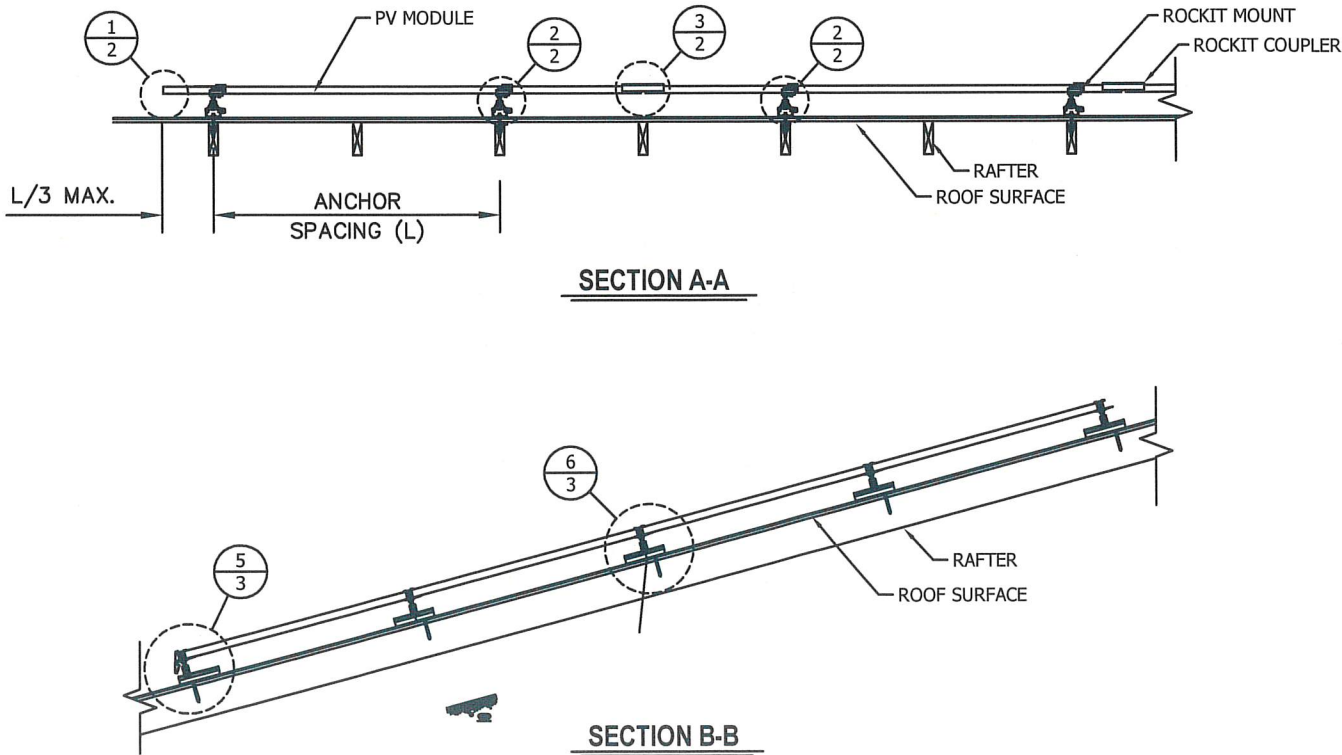
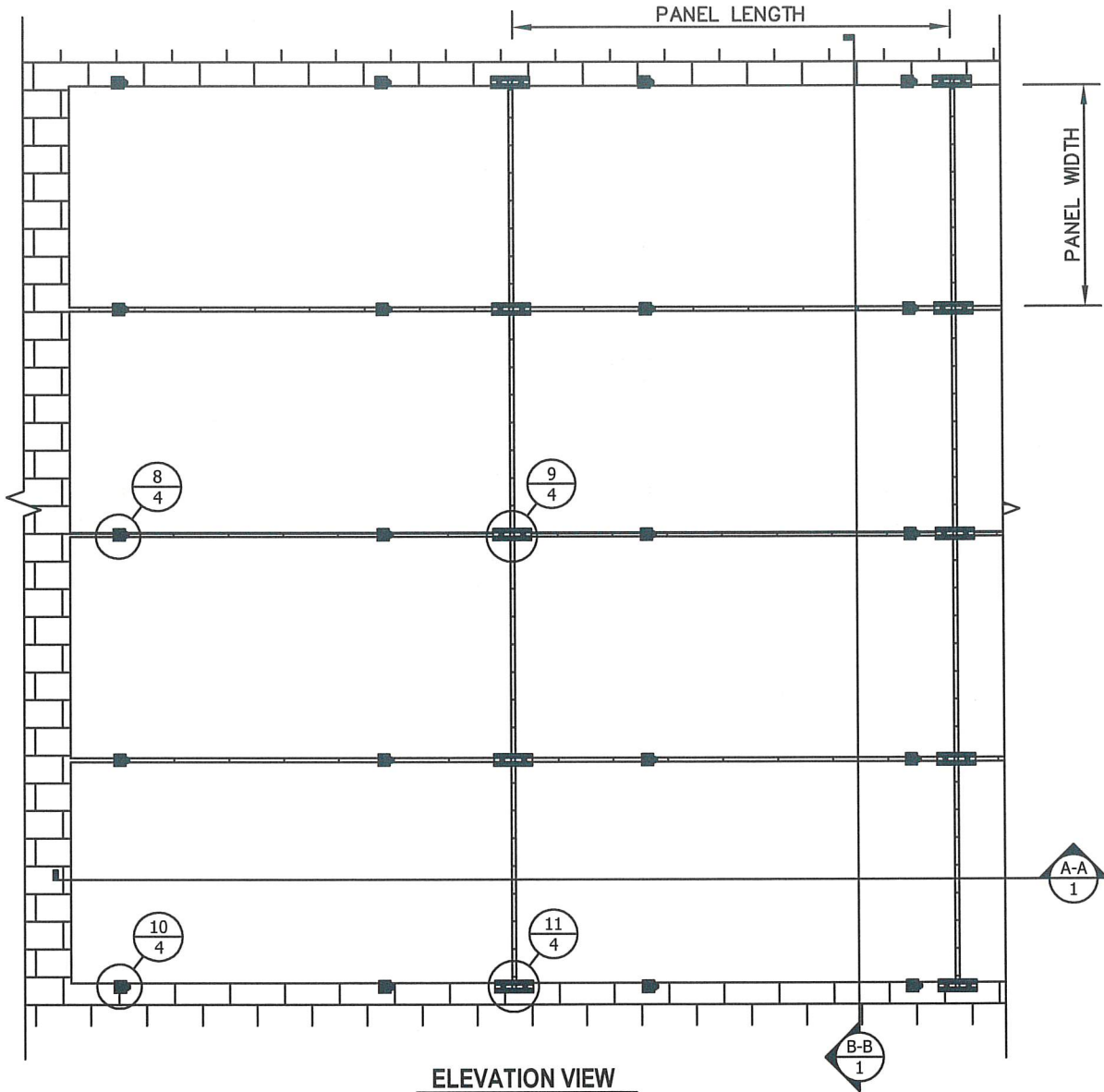
GENERAL NOTES:

- 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 ECOFASTEN 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 ALLOWABLE LOADS (ASD) 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 ARE BASED ON ANCHORING IN WOOD RAFTERS WITH S.G.=0.42 MIN.

ALLOWABLE WINDLOADS							
PANEL WIDTH (in)	PANEL LENGTH (in)	ANCHOR SPAN (L) (in)	ROCKIT MOUNT WITH GF1 V5 COMP SLIDE (psf)	PANEL WIDTH (in)	PANEL LENGTH (in)	ANCHOR SPAN (L) (in)	ROCKIT MOUNT WITH GF1 V5 COMP SLIDE (psf)
LANDSCAPE LAYOUT:				PORTRAIT LAYOUT:			
41.5	86	16	111.4	45	67.5	16	68.5
		24	74.9			24	46.1
		32	55.5			32	34.1
		36	50			36	30.7
		48	37.5			48	23
		60	29.8	45	80	16	57.8
45	92.5	64	28.1			24	38.9
		72	23.9			32	28.8
		16	102.7			36	25.9
		24	69.1			48	19.4
		32	51.2	45	86	16	53.7
		36	46.1			24	36.1
		48	34.5			32	26.8
		60	27.5			36	24.1
		64	25.9	45	92.5	48	18.1
		72	22.1			16	50
						24	33.2
						32	24.9
						36	22.4
						48	16.8



DATE

4/24/25

REV.#

1

PRINTS ISSUED FOR

1ST SUBMITTAL

SEAL:

SCOTT WOLTERS

FL PE# 62354

WOLTERS ENGINEERING

(COA# 27194)

15211 97TH ROAD N

WEST PALM BEACH, FL 33412

(561) 225-1982

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An Esdec Solar Group Company

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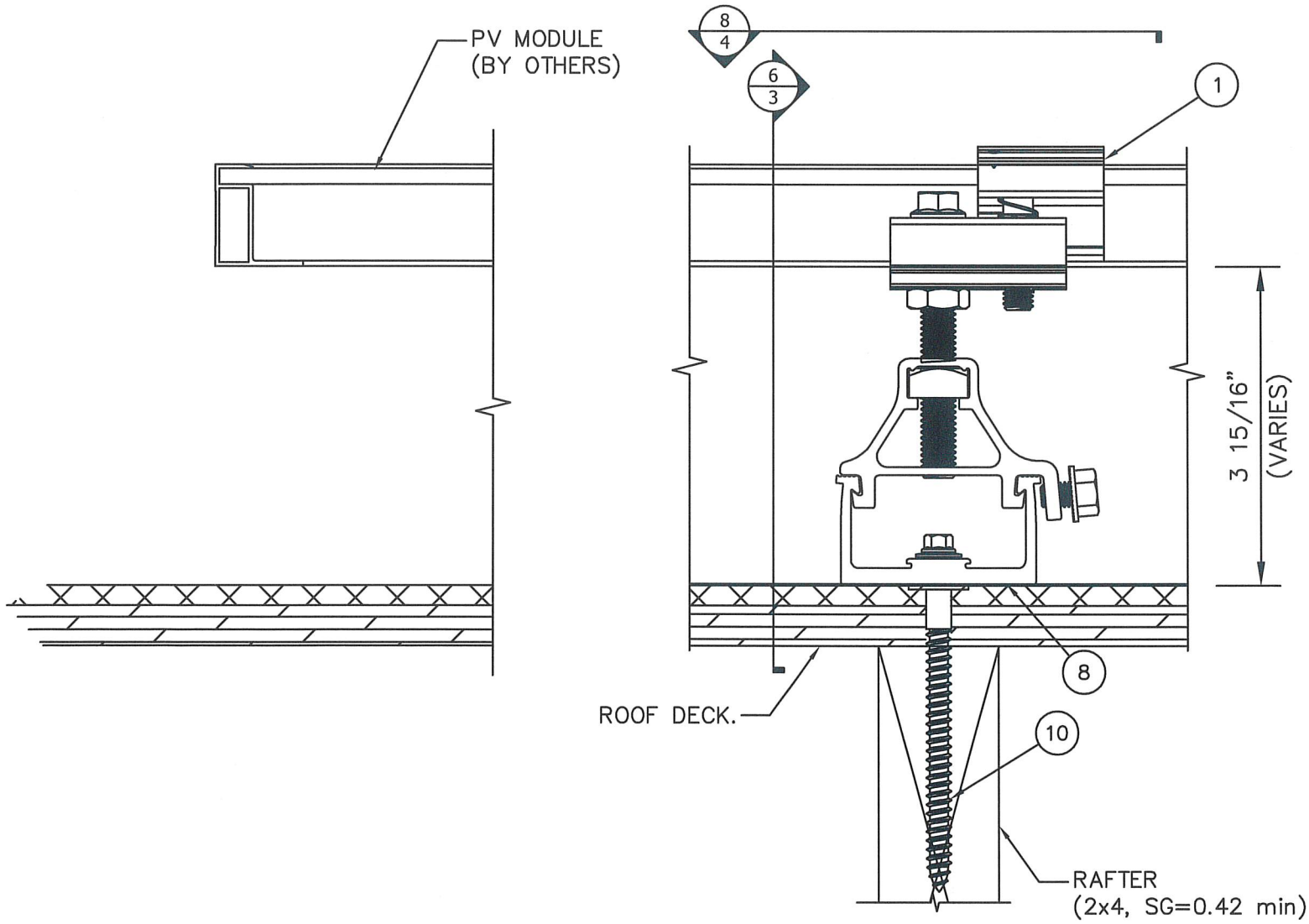
DWG:

ROCKIT-CSLV5

SHEET:

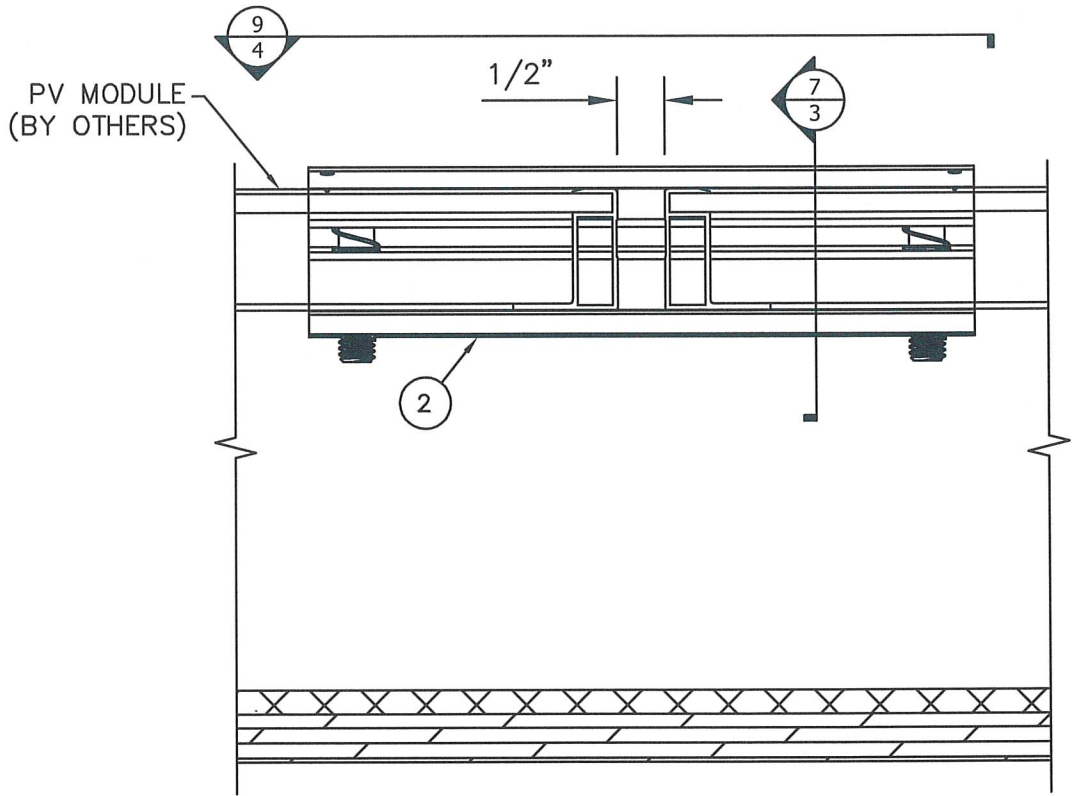
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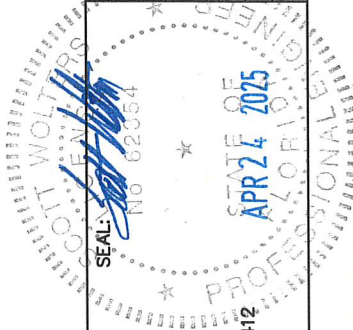


1
2
CANTILEVERED
PANEL DETAIL

2
2
ROCKIT MOUNT
DETAIL



3
2
ROCKIT V5 COUPLING
DETAIL



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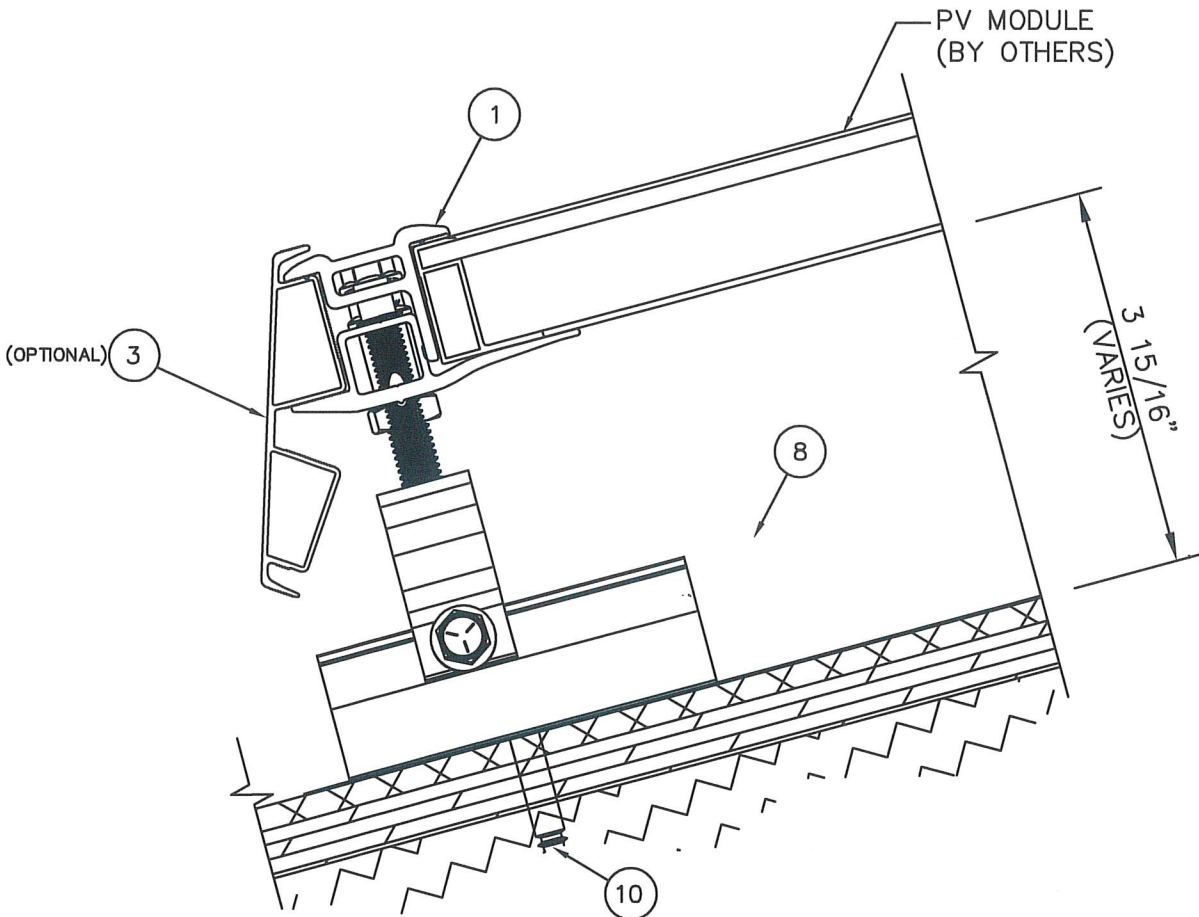


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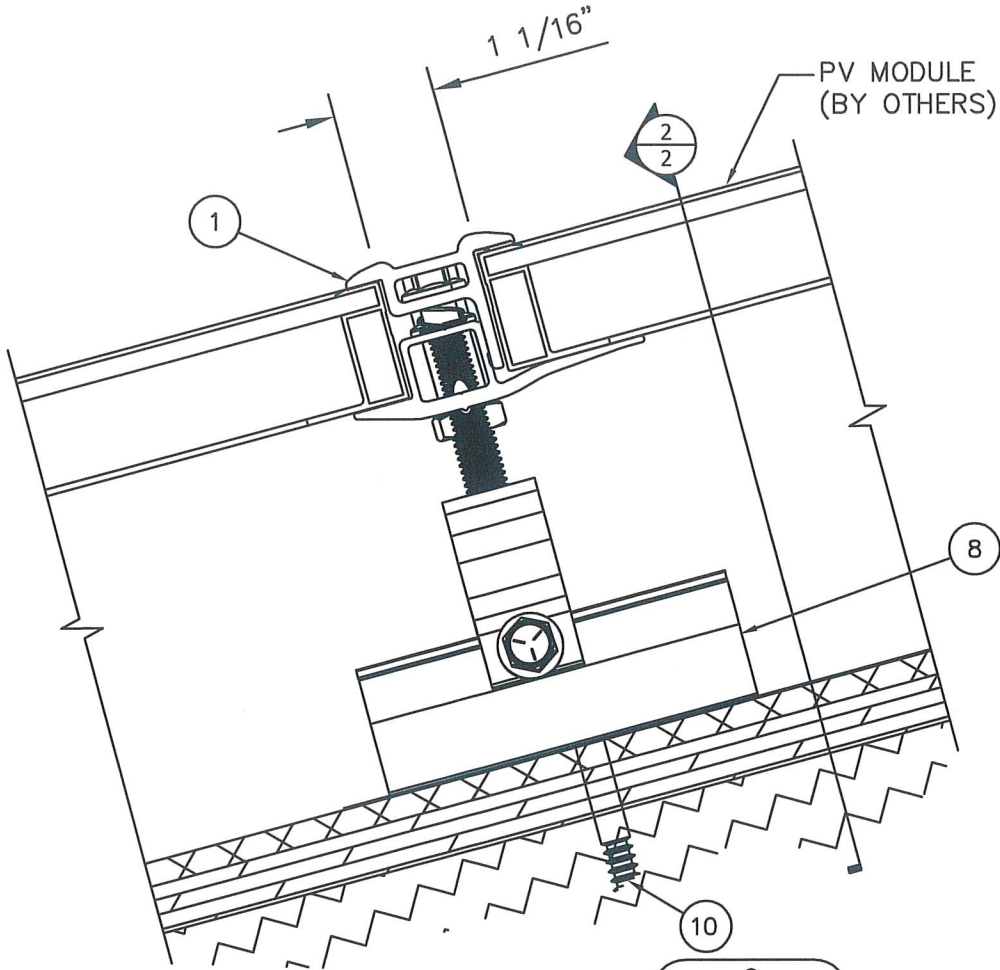
DWG:
ROCKIT-CSLV5
SHEET:
2/7

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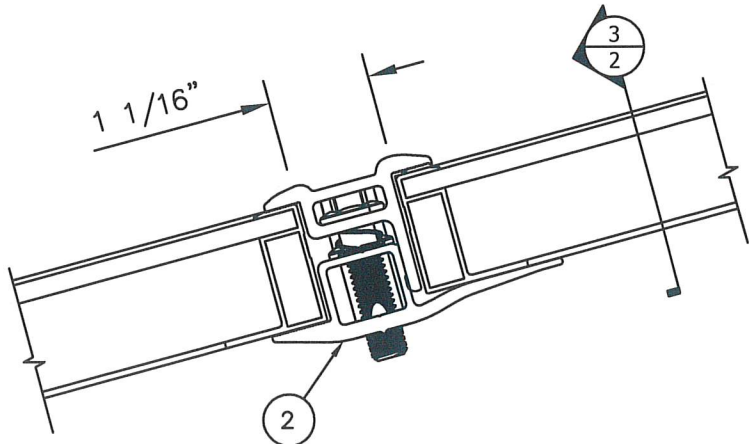
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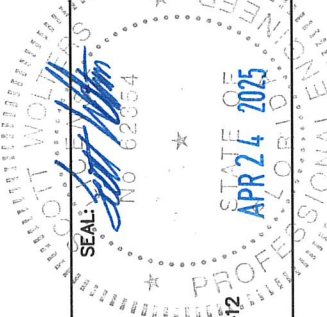
5
3
ROCKIT MOUNT
WITH V5 COMP SLIDE



6
3
ROCKIT MOUNT
WITH V5 COMP SLIDE



7
3
ROCKIT V5 COUPLING
DETAIL



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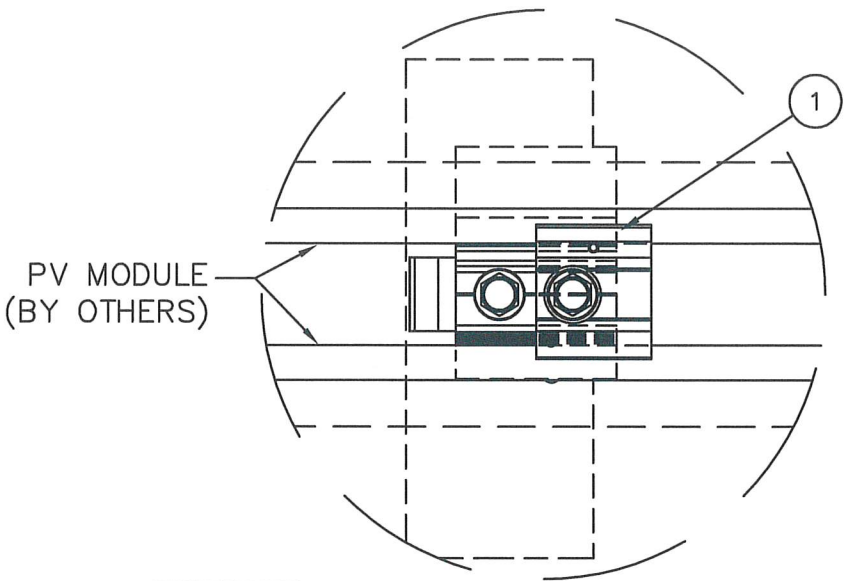


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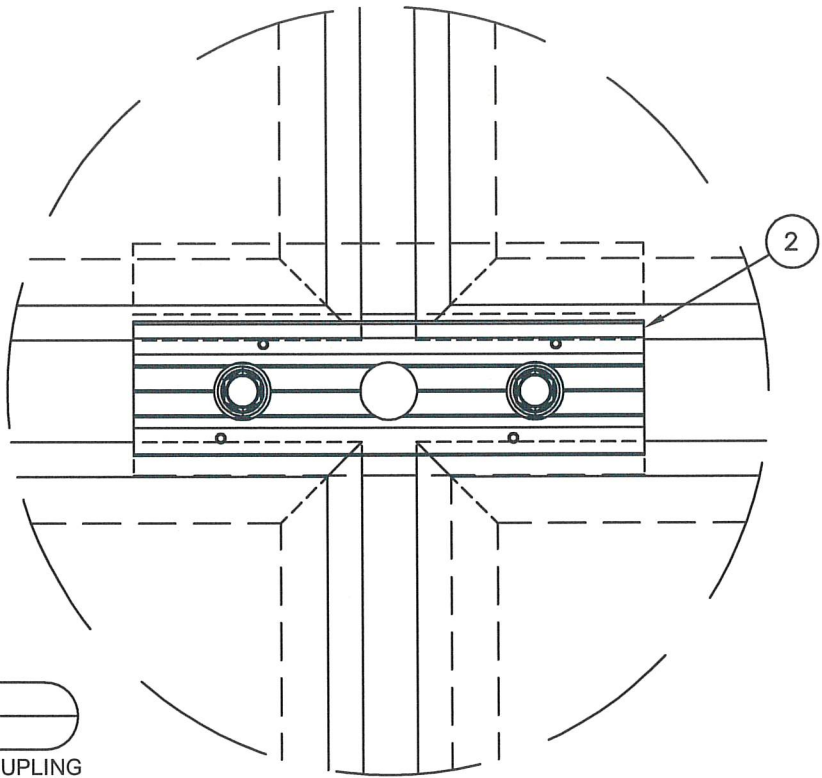
DWG:
ROCKIT-CSLV5
SHEET:
3/7

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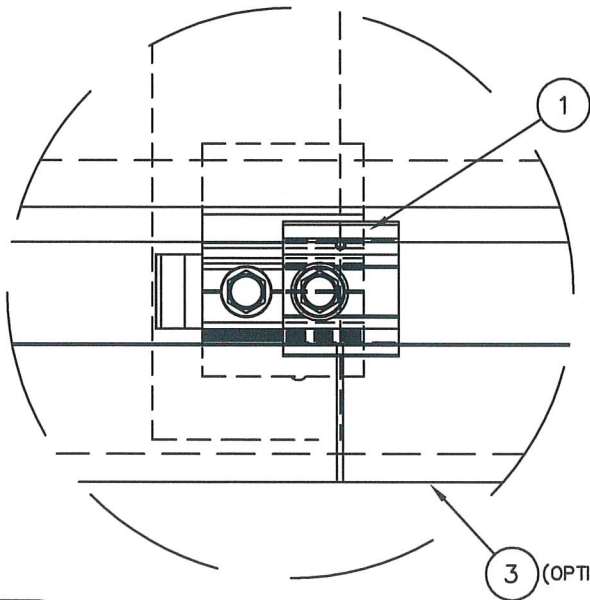
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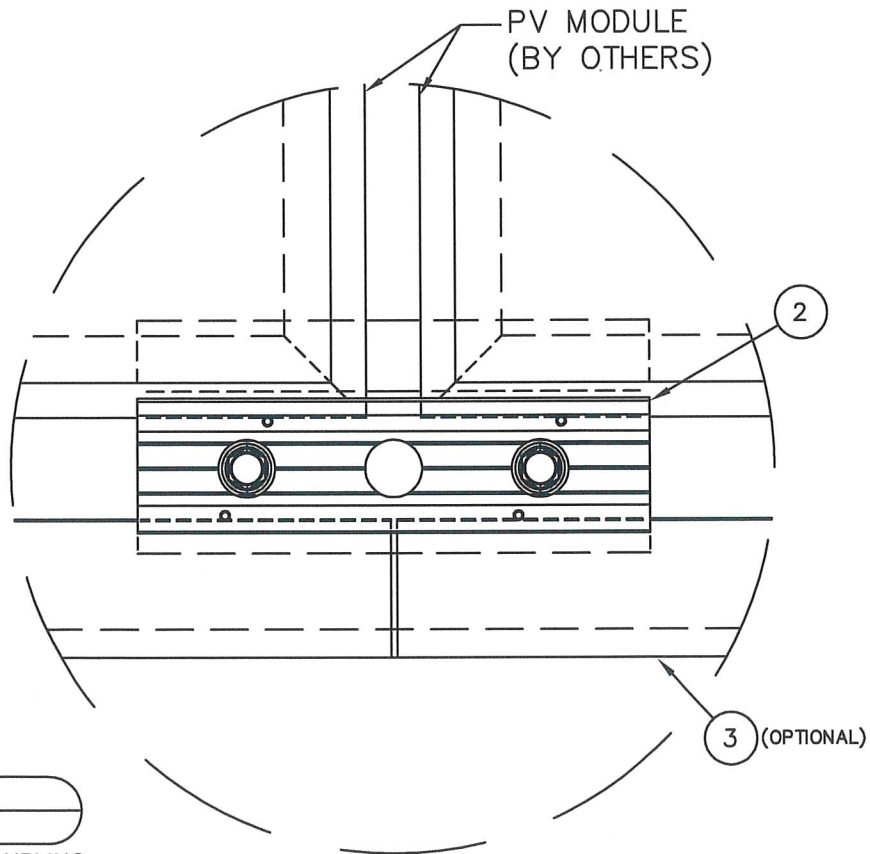
8
4
ROCKIT MOUNT
(TOP VIEW)



9
4
ROCKIT COUPLING
(TOP VIEW)



10
4
ROCKIT MOUNT
(TOP VIEW)



11
4
ROCKIT COUPLING
(TOP VIEW)



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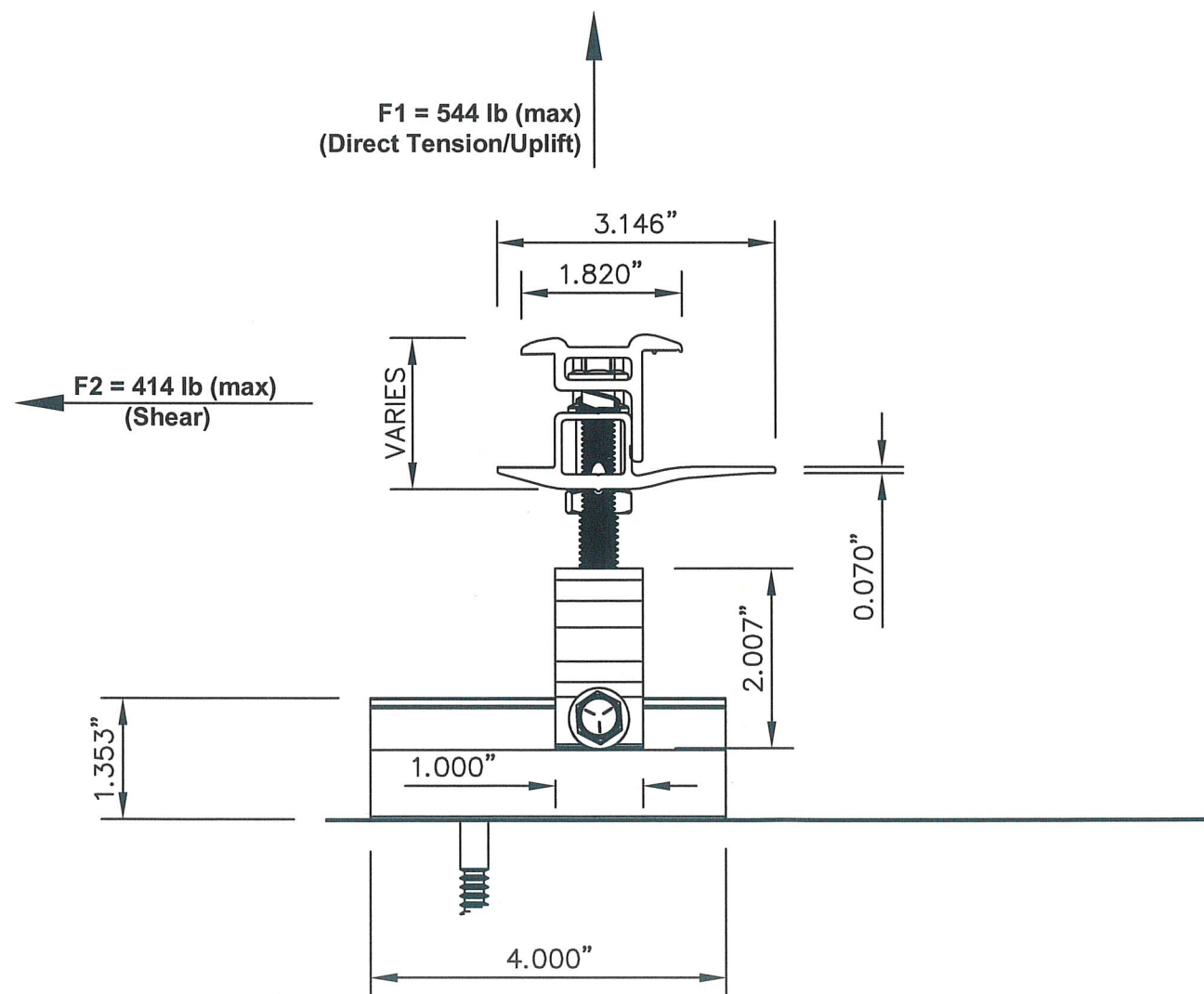
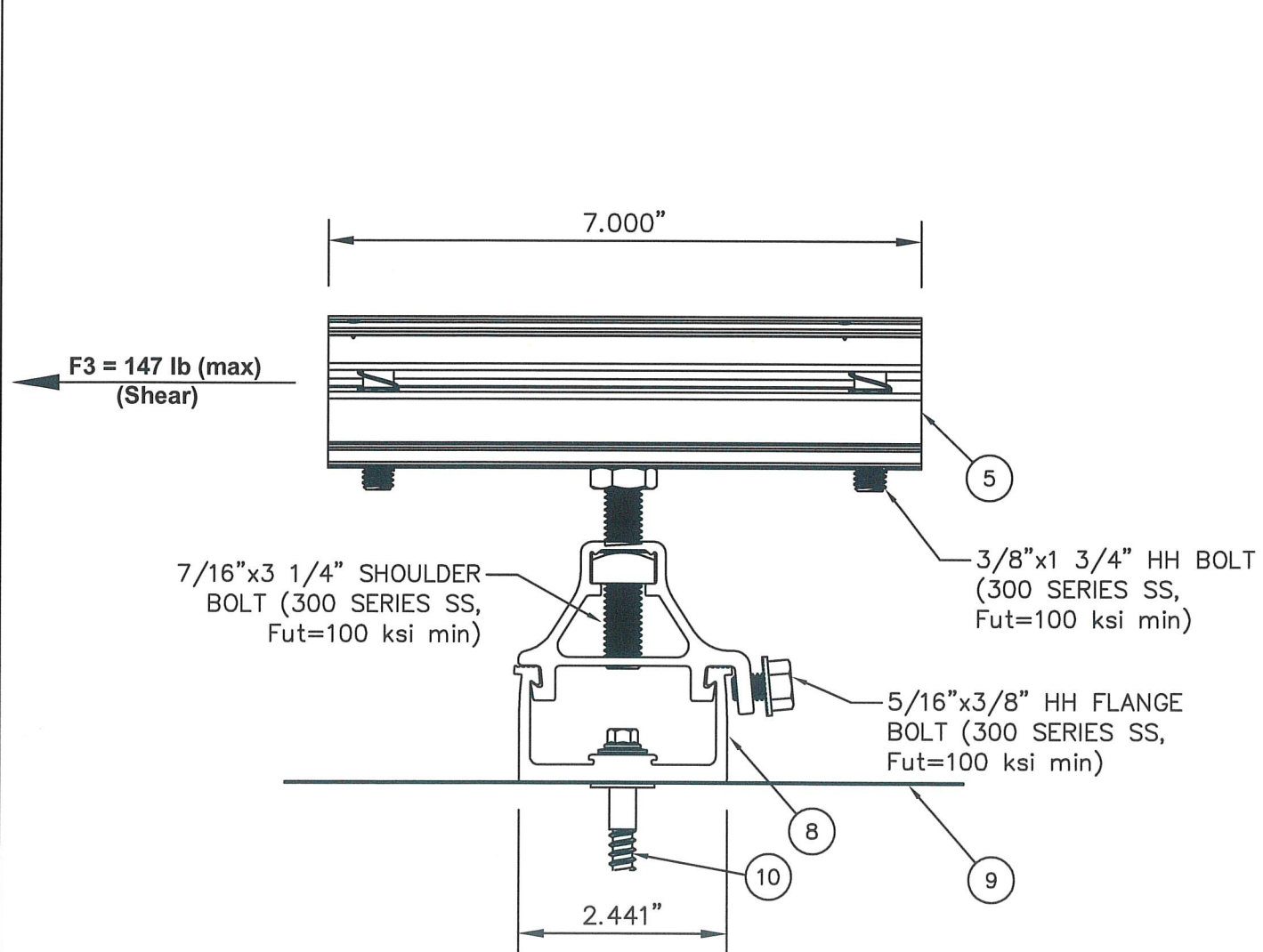
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1	1ST SUBMITTAL	4/24/25
2	PRINTS ISSUED FOR	

ECOFASTEN ROCKIT RAIL-LESS PHOTOVOLTAIC PANEL RACKING SYSTEM WITH ECOFASTEN V5 COMP SLIDE ROOF ATTACHMENTS

BILL OF MATERIALS- ROCKIT V5 SYSTEM		
#	DESCRIPTION	MATERIALS/NOTES
1	ROCKIT MOUNT V5 ASSEMBLY	6000 SERIES ALUMINUM & 300 SERIES STAINLESS
2	ROCKIT COUPLING V5 ASSEMBLY	6000 SERIES ALUMINUM & 300 SERIES STAINLESS
3	SKIRT	6000 SERIES ALUMINUM
4	SKIRT END CAP	POLYMERIC
5	ROCKIT HYBRID MOUNT V5 ASSEMBLY	6000 SERIES ALUMINUM & 300 SERIES STAINLESS

ANCHOR NOTES:

1. CAPACITIES APPLY TO RAFTER SIZE OF 2x4 OR GREATER, DECK THICKNESS OF 7/16" OR GREATER, AND LAG BOLTS SECURED WITHIN THE CENTER 1/3 OF RAFTER WITH 2 1/2" MIN. END DISTANCE.



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SEAL: *[Signature]*
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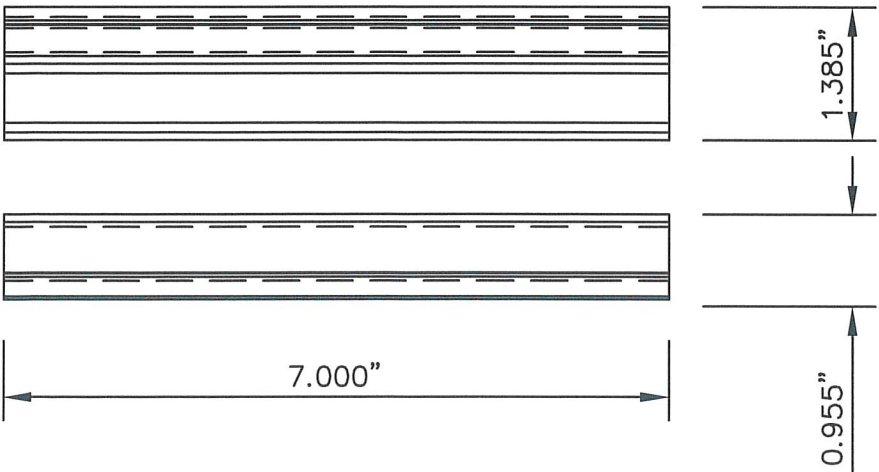
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DATE _____

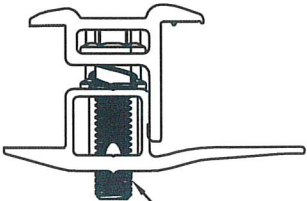
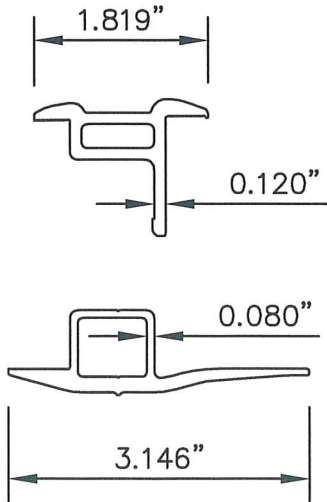
DWG:
ROCKIT-CSLV5
SHEET: 5 / 5

5/7

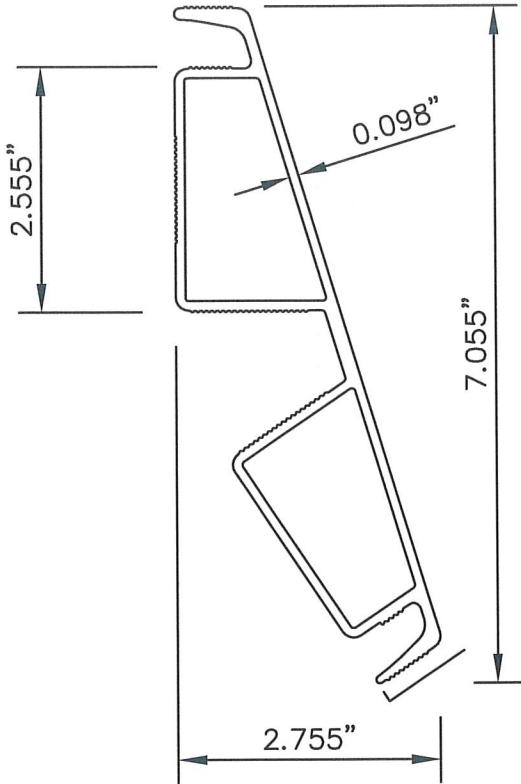
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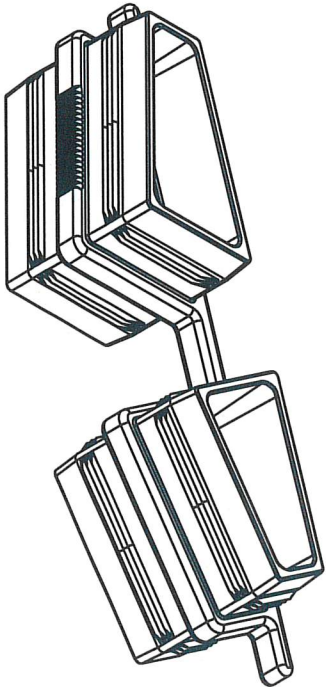
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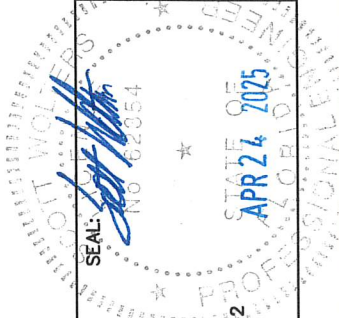
3/8"x1 3/4" HH BOLT
(300 SERIES SS,
Fut=100 ksi min)



3



4



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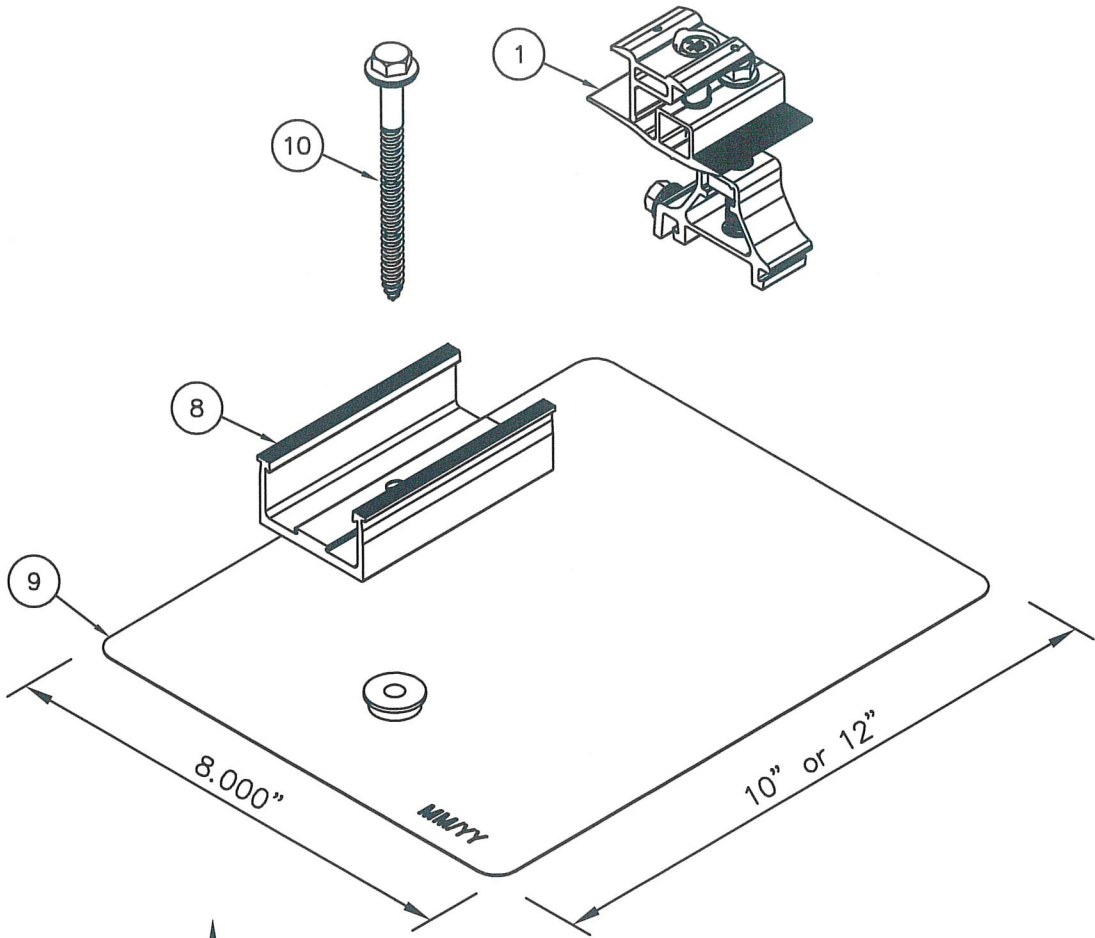
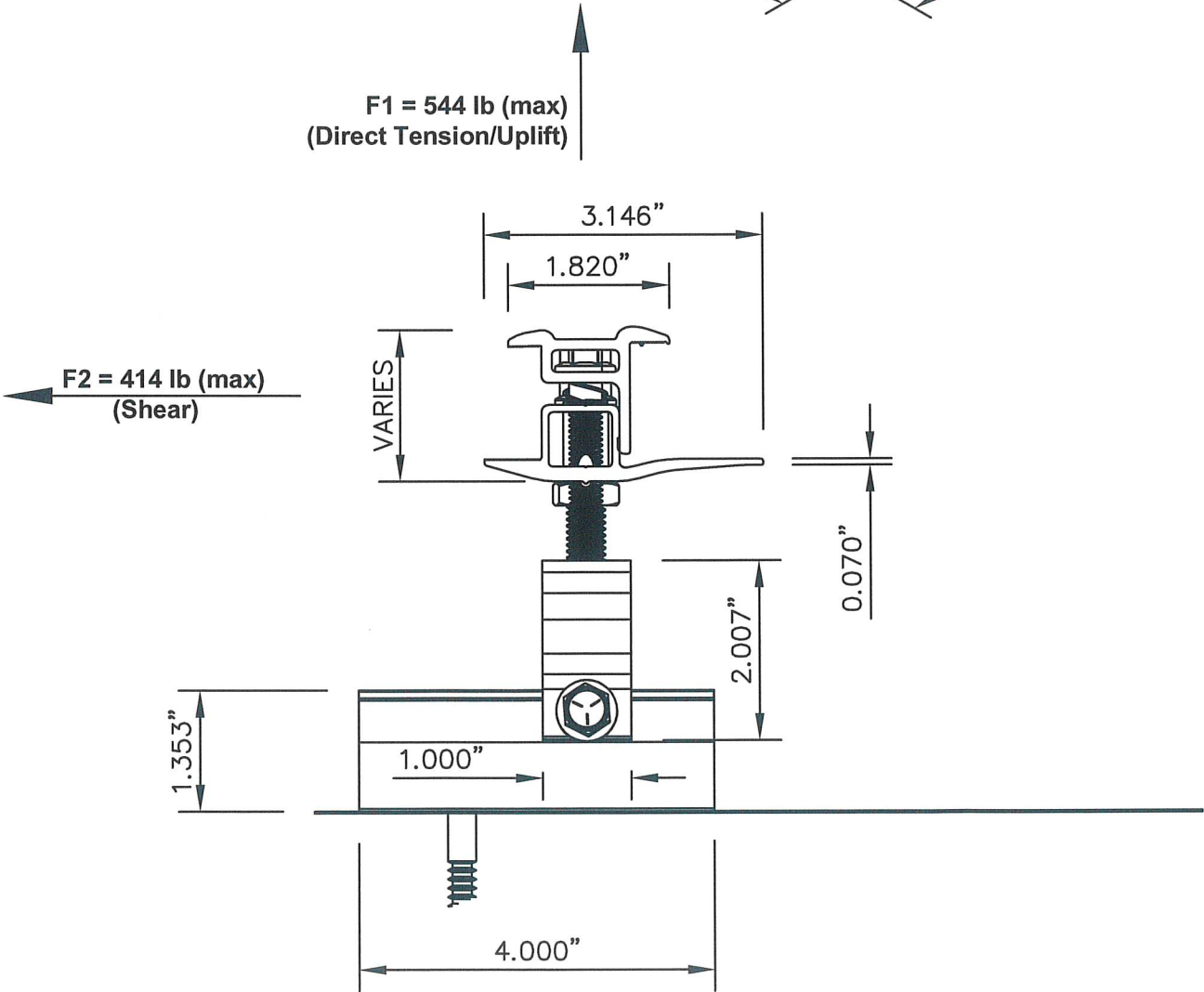
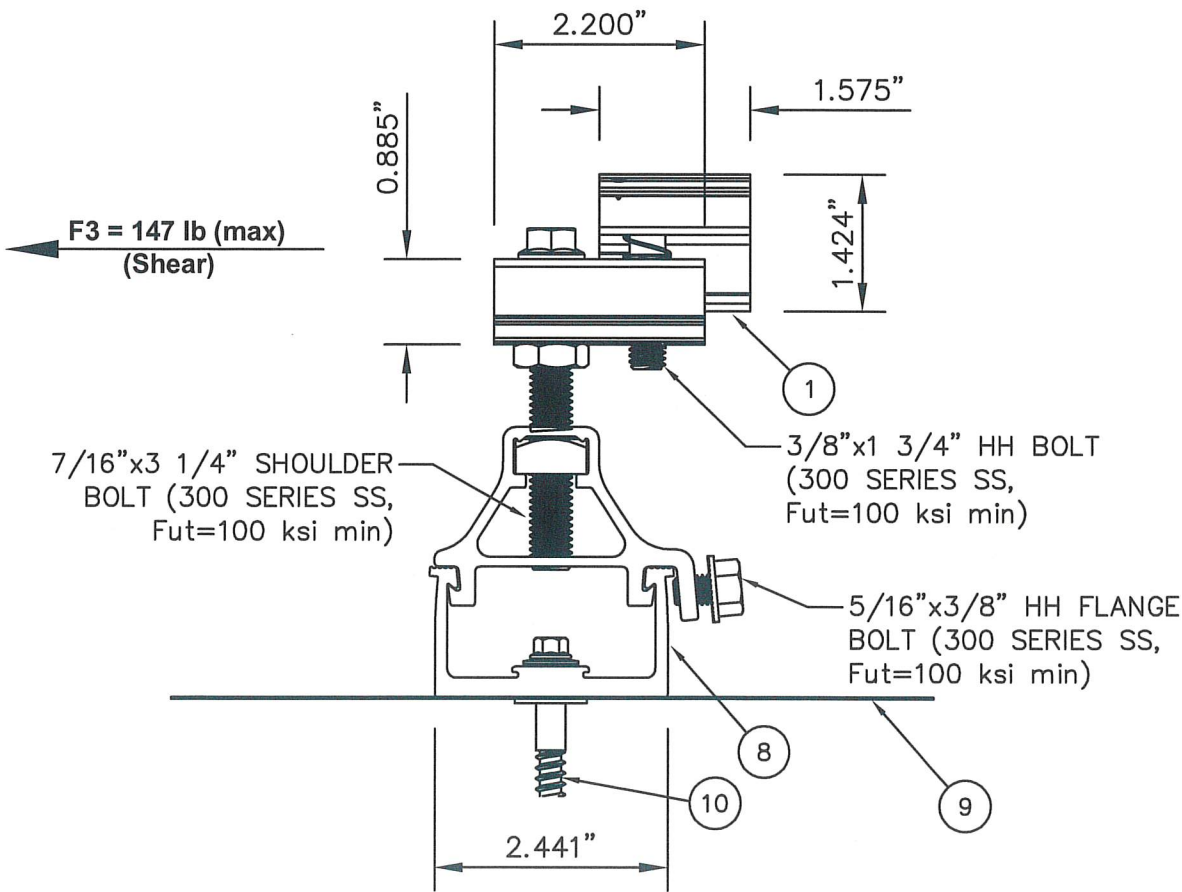
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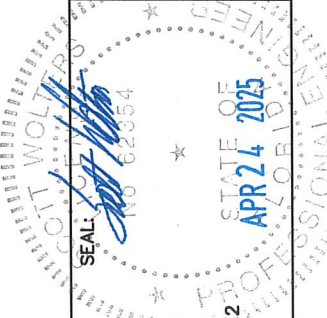
BILL OF MATERIALS- ROCKIT COMP SLIDE V5		
#	DESCRIPTION	MATERIALS/NOTES
8	ROCKIT COMP SLIDE V5	6000 SERIES ALUMINUM
9	GF1 FLASHING	ALUMINUM OR COATED STEEL & EPDM
10	LAG SCREW 5/16" X 4", 3" THREAD WITH EPDM BACKED WASHER	300 SERIES STAINLESS & EPDM

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