

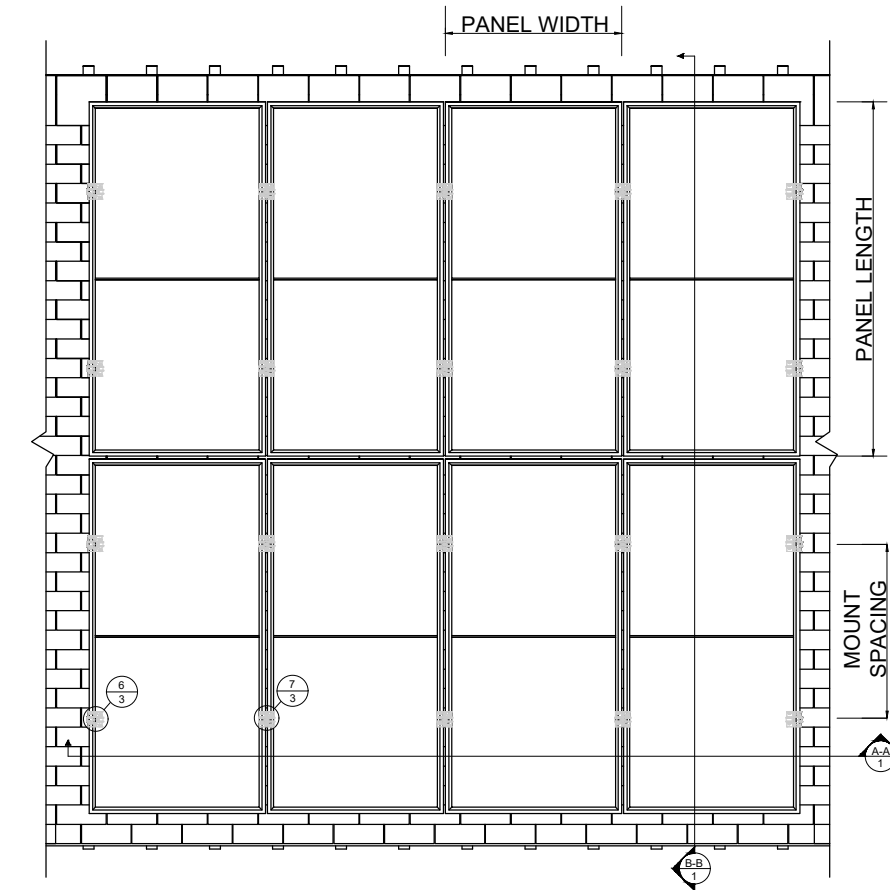
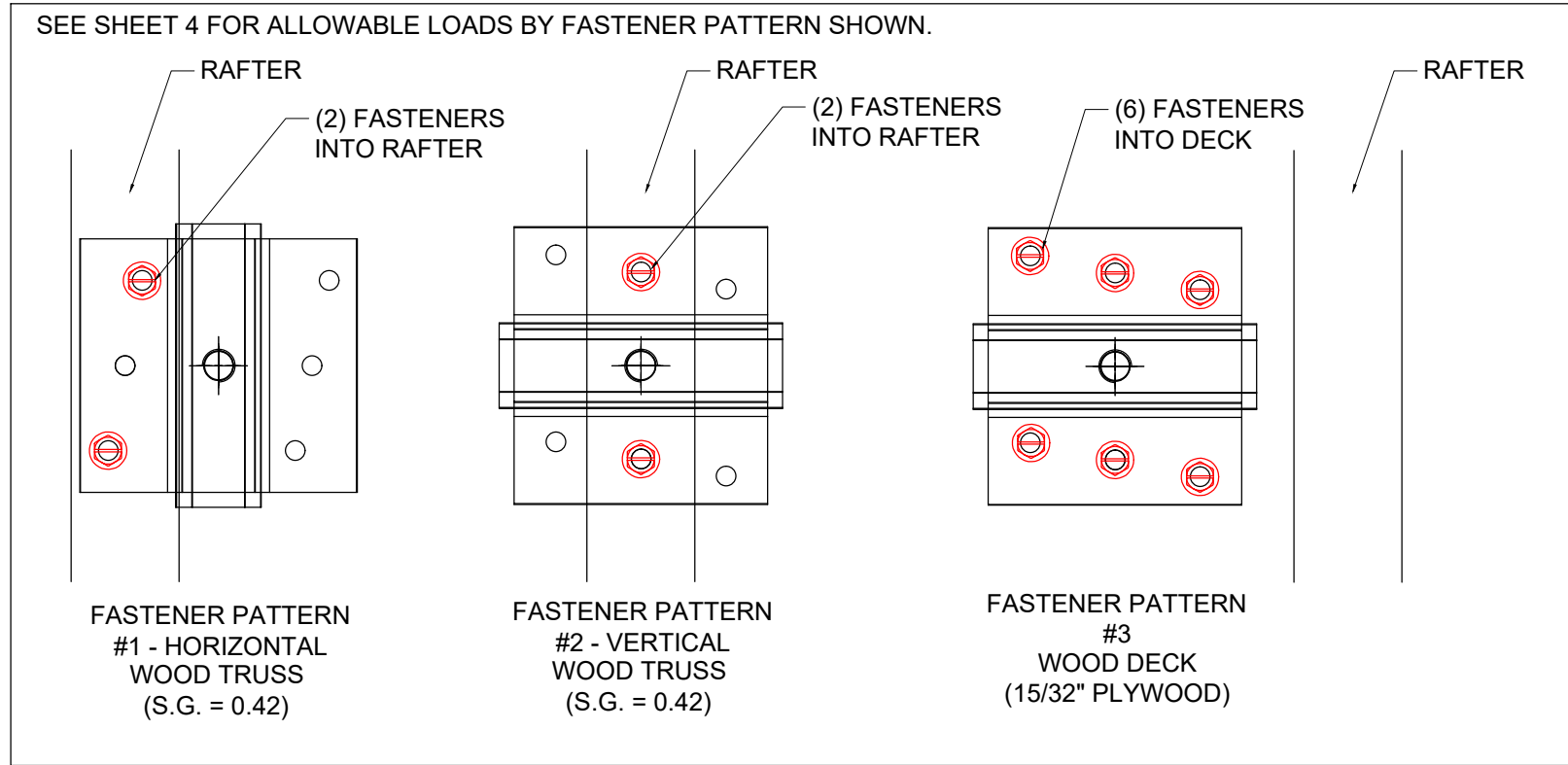
TRT RAIL-LESS BASE RACKING SYSTEM TRT01

GENERAL NOTES:

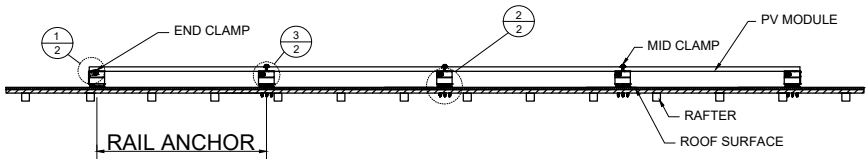
1. THIS SYSTEM MEETS ALL OF THE REQUIREMENTS OF THE 8TH EDITION (2023) FLORIDA BUILDING CODE, INCLUDING THE HVHZ PROVISIONS.
 2. THIS SYSTEM HAS BEEN TESTED PER TAS 100(A) AND ASTM D7147.
 - IT IS NOT A PART OF THE BUILDING ENVELOPE, AND IMPACT RESISTANCE IS NOT REQUIRED.
 3. THIS SYSTEM SHALL BE INSTALLED PER THE IRONRIDGE AIRE INSTALLATION MANUAL.
 4. THE PV PANELS ARE BY OTHERS AND ARE NOT A PART OF THIS APPROVAL.
 5. MOUNT SPACING TO BE AS SPECIFIED BY THE PV PANEL MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 6. 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.
 7. FIRE RATINGS OR FIRE RESISTANCE IS NOT A PART OF THIS REVIEW.
 8. ALL ANCHORS SECURING THE SYSTEM TO PRESSURE TREATED WOOD SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE CHEMICALS IN THE WOOD.
 9. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL BE PROTECTED PER FBC REQUIREMENTS.
 10. 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:

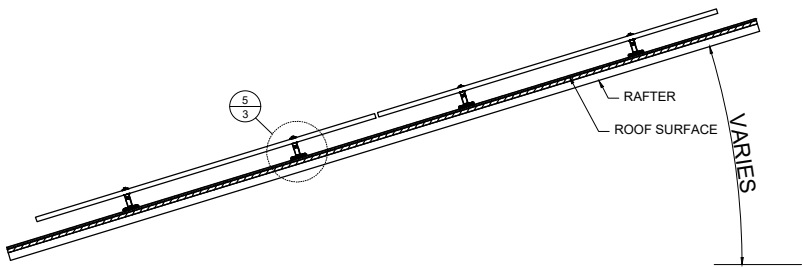
1. DESIGN WIND LOADS MUST BE CALCULATED BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT FOR EACH PROJECT, PER ASCE 7-22 SECTION 29.4.4. DESIGN (ASD) WIND LOADS MAY NOT EXCEED THE ALLOWABLE UPLIFT LOAD CAPACITY FOR THE MOUNTING PRODUCT SHOWN IN THE CHARTS ON THIS SHEET 5.
2. PANEL SYSTEM LOCATION, HEIGHT, AND SPACING MUST MEET THE REQUIREMENTS OF ASCE 7-22 SECTION 29.4.4. WIND LOADS ACT NORMAL TO THE SURFACE OF THE PV PANEL SYSTEM.
3. OTHER CONFIGURATIONS REQUIRE PROJECT SPECIFIC ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT.



ELEVATION VIEW

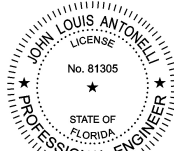


SECTION A-A



SECTION B-B

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DWG:

TRT 01

SHEET:

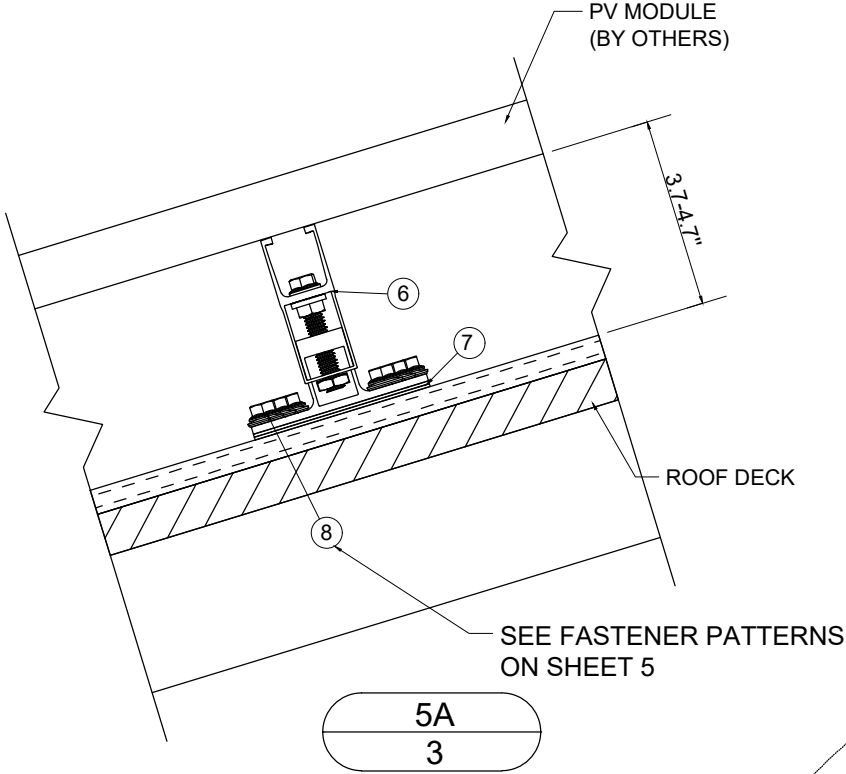
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DATE

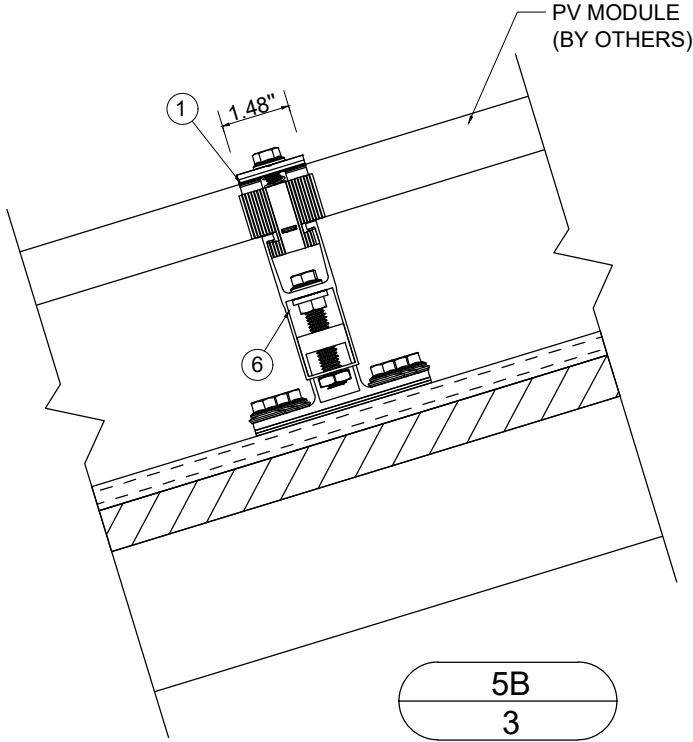
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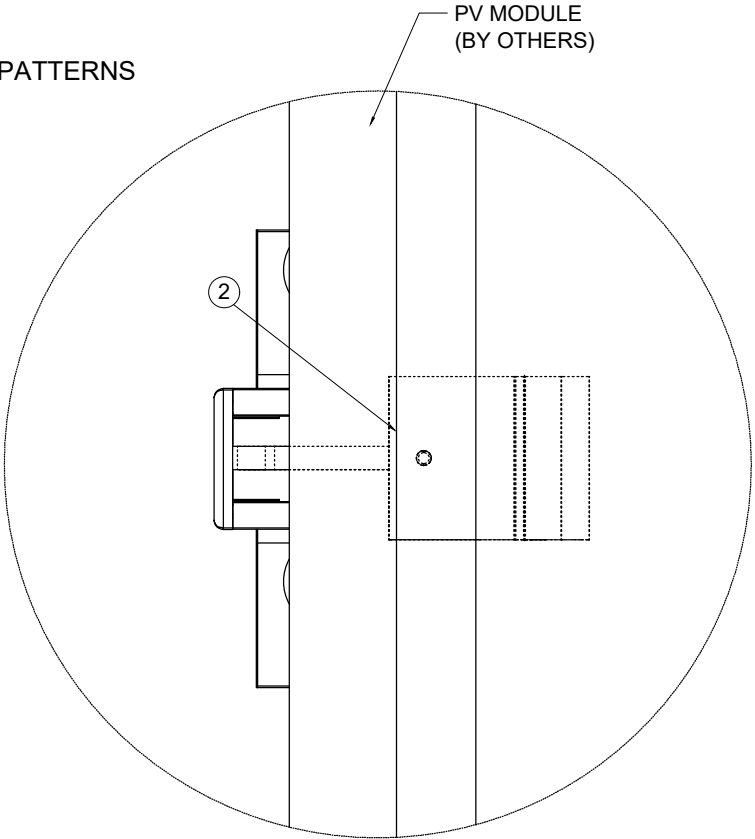
TRT RAIL-LESS BASE RACKING SYSTEM TRT01



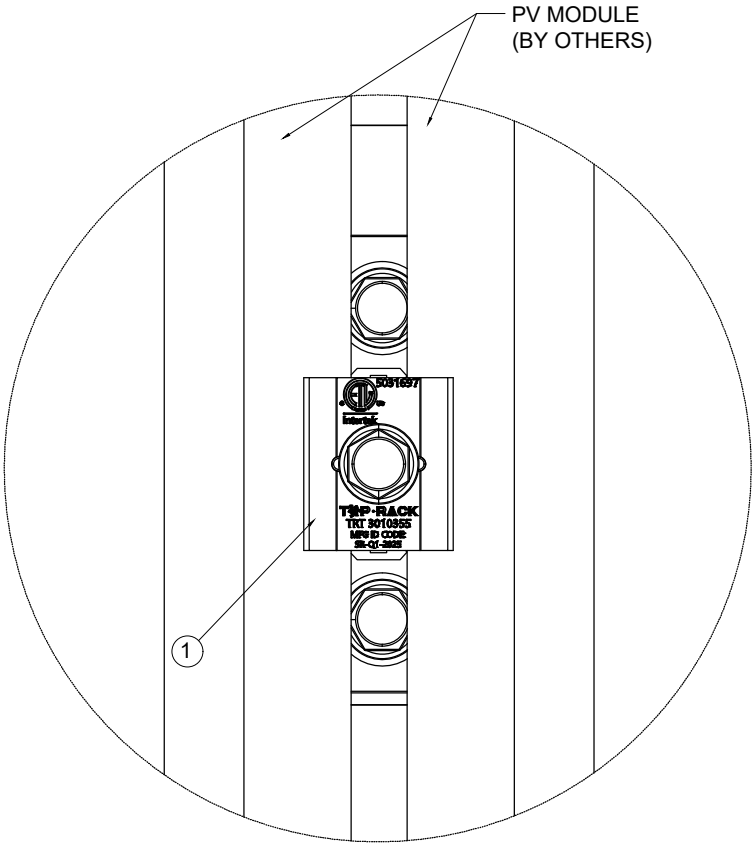
TRT RAIL-LESS BASE DETAIL



TRT RAIL-LESS BASE AND MID-CLAMP DETAIL

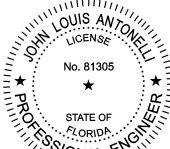


END-CLAMP DETAIL



MID-CLAMP DETAIL

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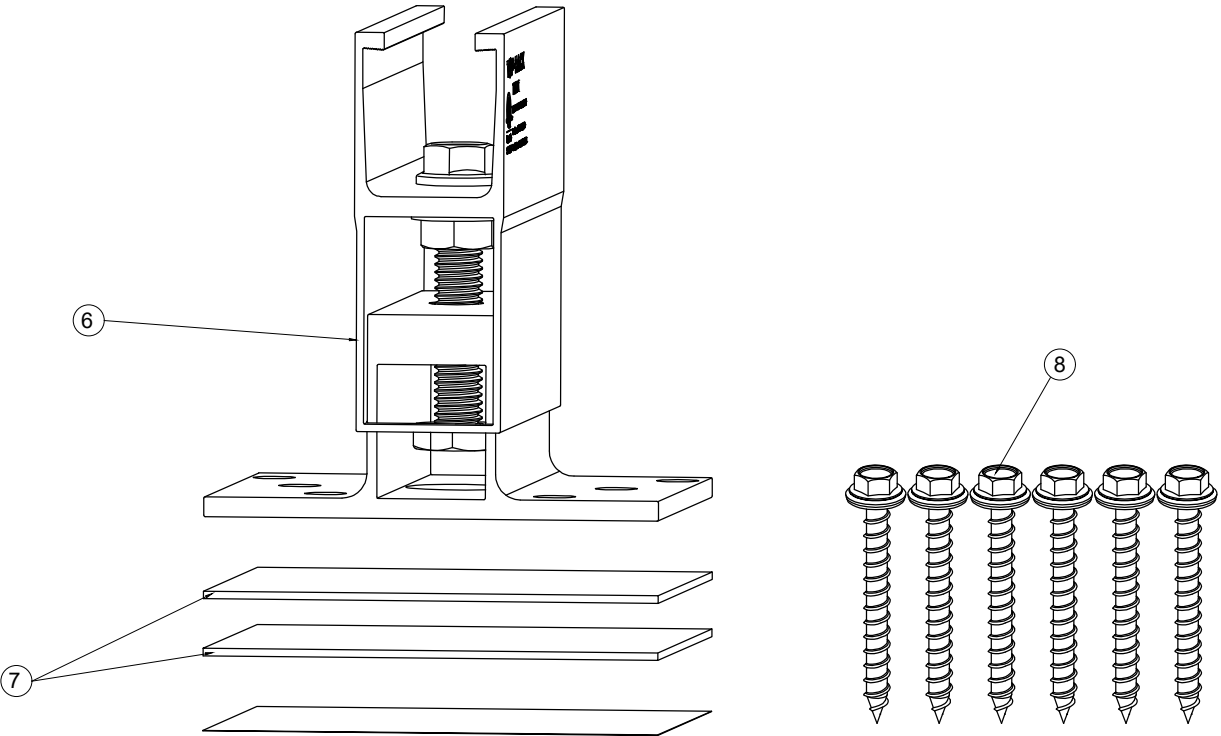


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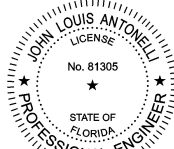
TRT RAIL-LESS BASE RACKING SYSTEM TRT01

BILL OF MATERIALS-TRT RAIL-LESS BASE		
#	DESCRIPTION	MATERIALS/NOTES
6	BASE	AL6005-T5
7	FLASHING SYSTEM	EPDM PAD & BUTYL RUBBER
8	ST6.3X75 FLANGE SELF TAPPING & SCREW EPDM & SS304 WASHER	300 SERIES SS & EPDM

ALLOWABLE LOADS			
LOAD DIRECTION	FASTENER PATTERN #1 (LBS)	FASTENER PATTERN #2 (LBS)	FASTENER PATTERN #3 (LBS)
	WOOD TRUSS (S.G. = 0.42)	WOOD TRUSS (S.G. = 0.42)	WOOD DECK (15/32" PLYWOOD)
F1 - UPLIFT	361	872	427
F2 - SHEAR	246	251	325
F3 - SHEAR	377	401	641

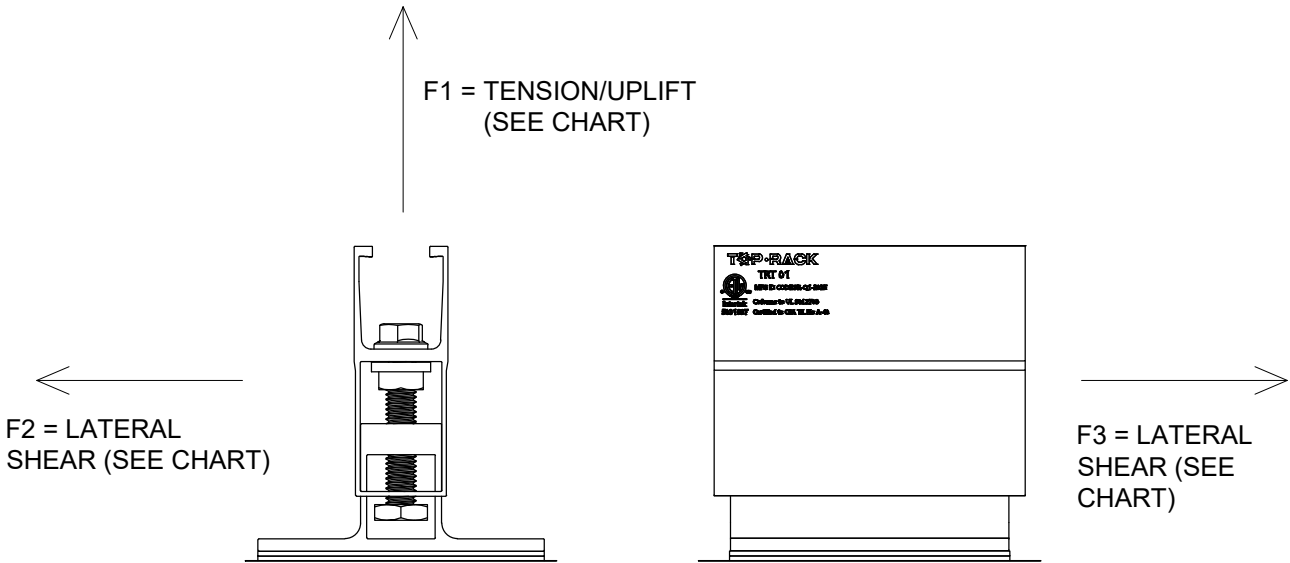


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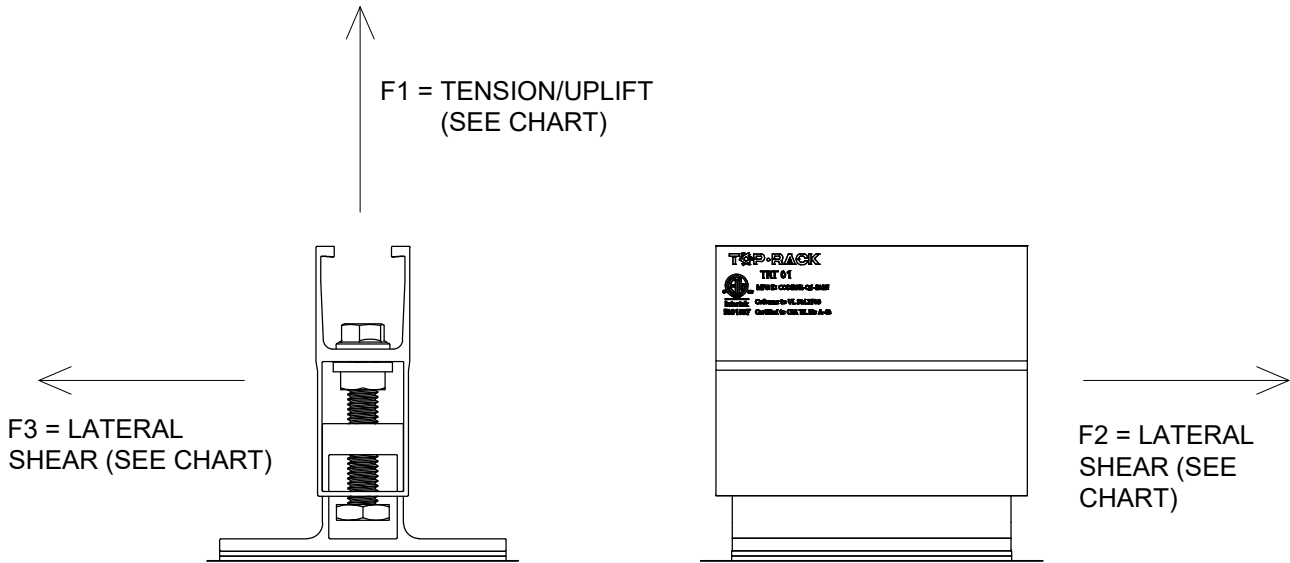


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FASTENER PATTERN #1



FASTENER PATTERN #2 & #3



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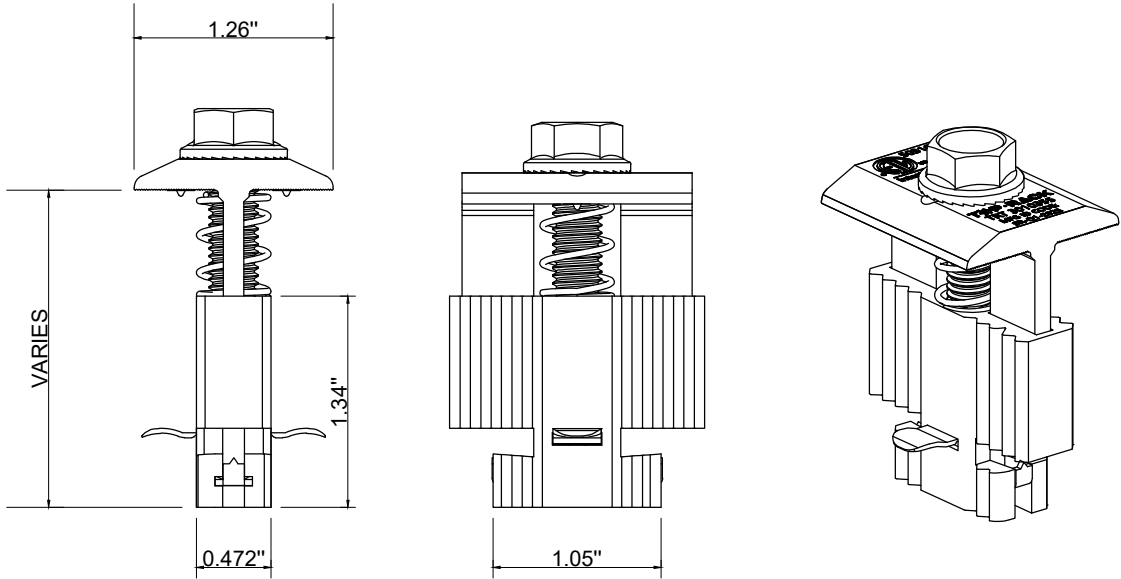
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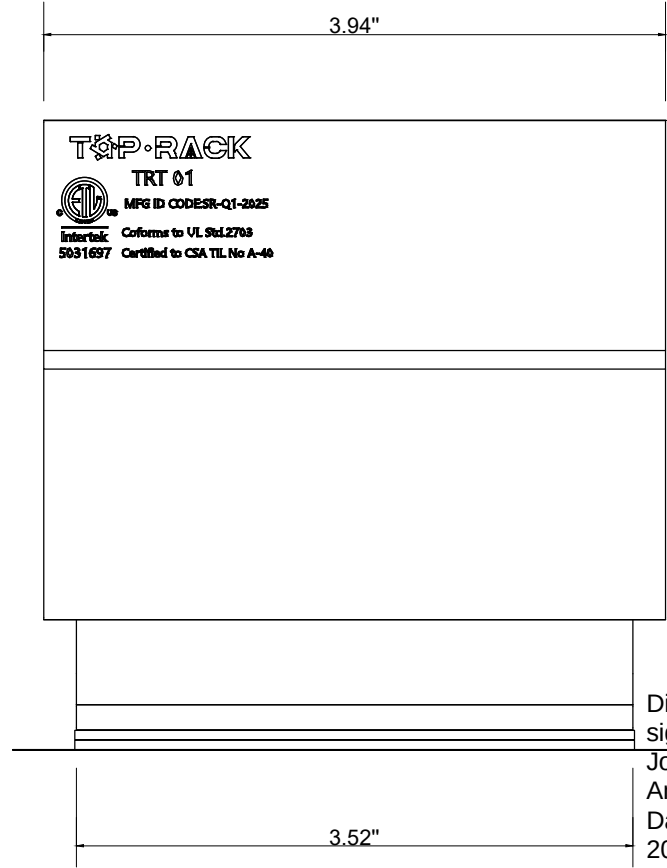
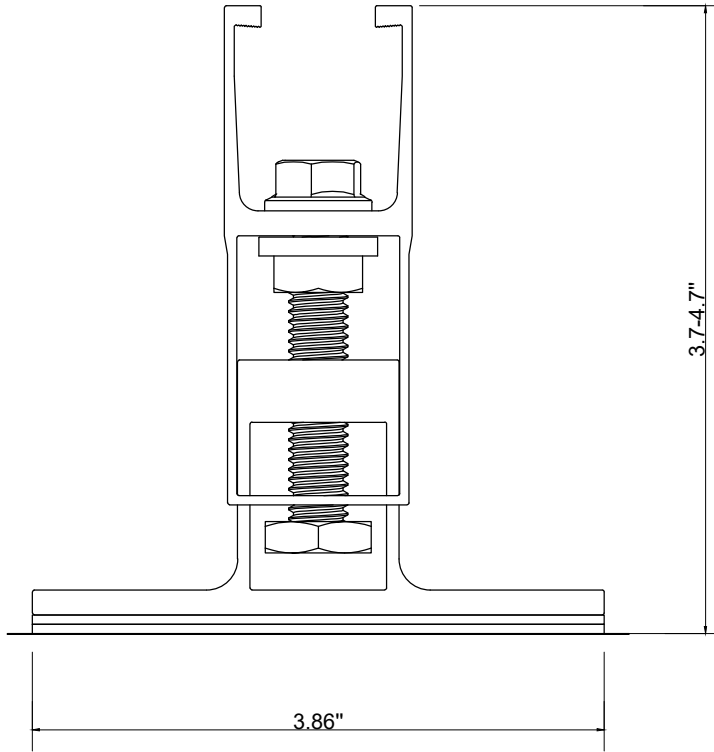
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TRT RAIL-LESS BASE RACKING SYSTEM TRT01

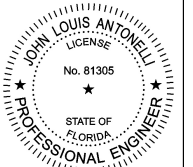
BILL OF MATERIALS-TRT RAIL-LESS BASE		
#	DESCRIPTION	MATERIALS/NOTES
1	TRT MID-CLAMP	AL6005-T5
2	TRT HIDDEN END CLAMP	AL6005-T5
3	TRT END CAP	PA6
4	TRT SKIRT	AL6005-T5
5	TRT SKIRT CLIP	AL6005-T5
6		
7		
8		
9		
10		
11		



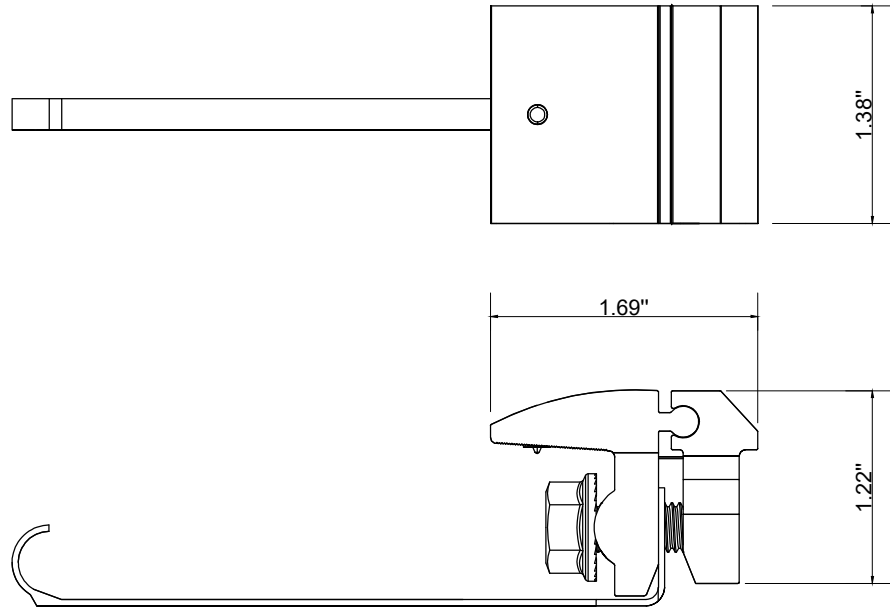
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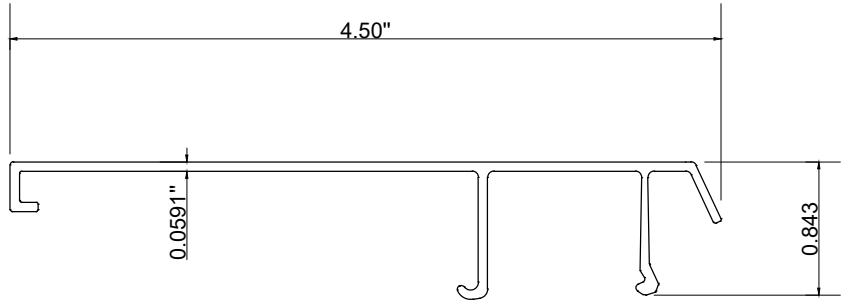
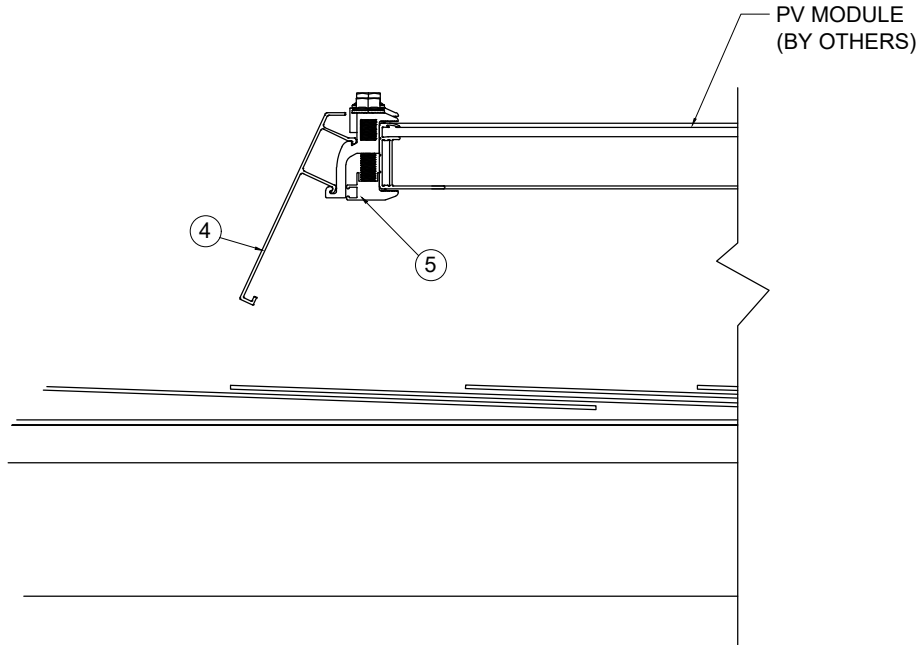
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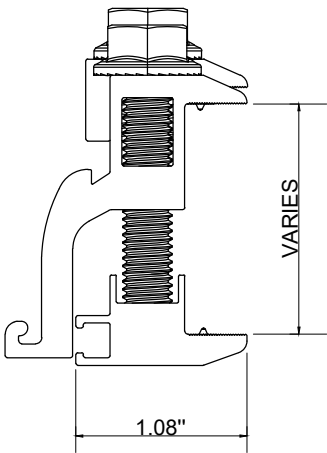
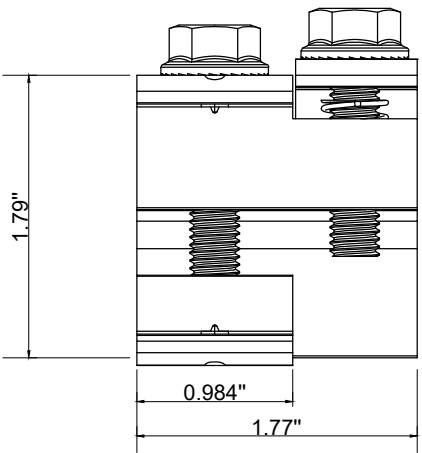
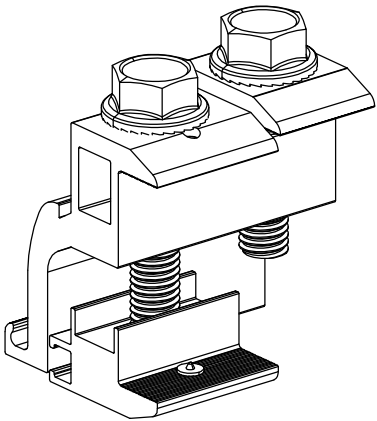
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TRT RAIL-LESS BASE RACKING SYSTEM TRT01

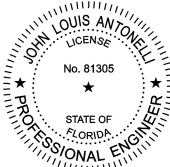


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5

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