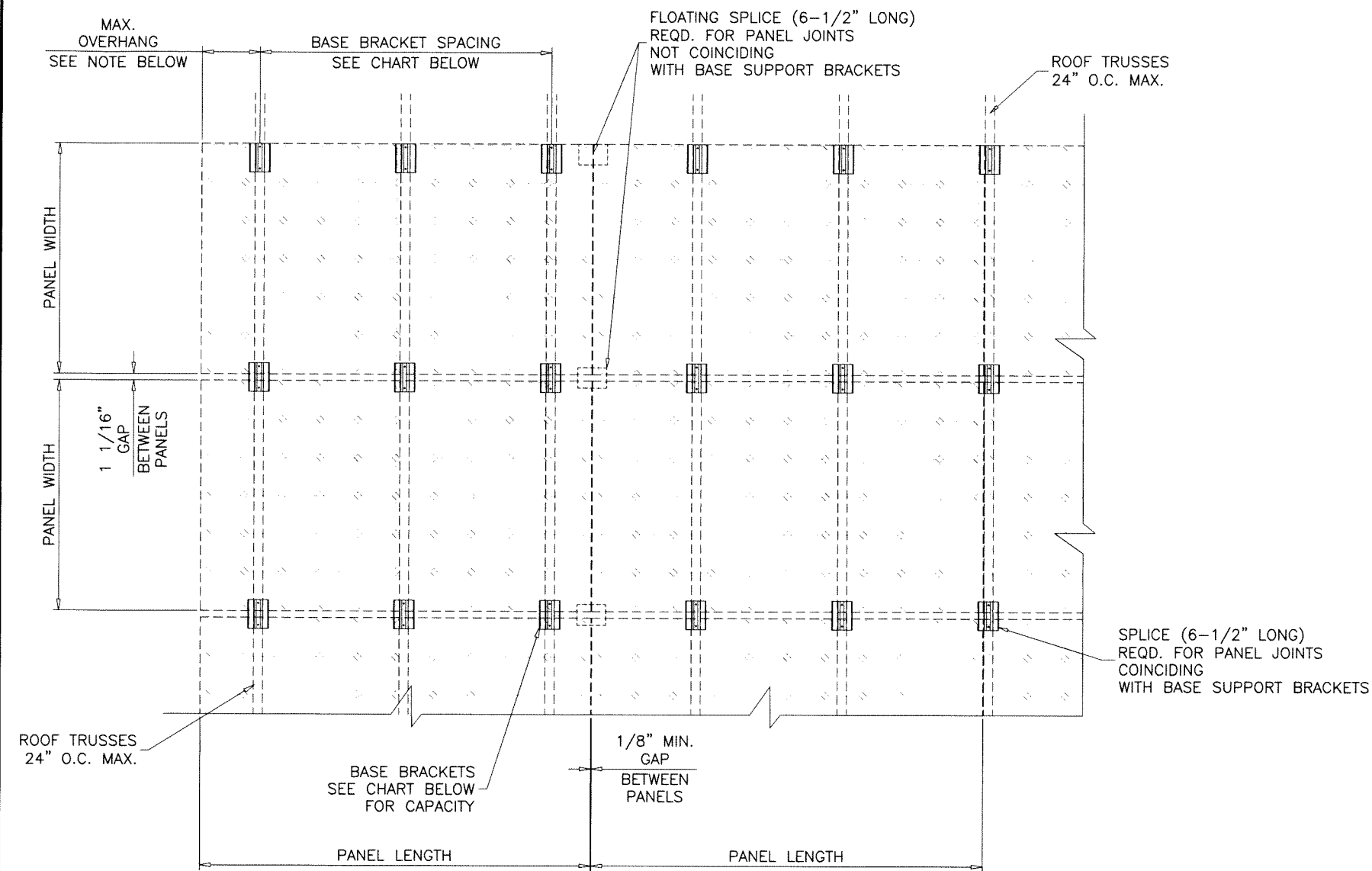




LANDSCAPE MODULES
PLAN VIEW

NOTE:
OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS.
9-1/2" MAX. FOR 24" BRACKET SPACINGS
19" MAX. FOR 48" BRACKET SPACINGS

PV PANELS NOT PART OF THIS APPROVAL.
FOR PANEL DETAILS, GENERAL NOTES, COMPONENT SIZES,
FIRE AND ELECTRICAL SAFETY STANDARDS, PANEL CONNECTION
TO RT-APEX AND INSTALLATION REQUIREMENTS/LIMITATIONS
SEE CORRESPONDING FLA. APPROVAL DWGS.

RT-APEX ROOF TOP PV MOUNTING SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

THIS PRODUCT APPROVAL IS FOR THE ROOF TOP PV MOUNTING SYSTEM AS SHOWN ON THESE DRAWINGS. ROOF DETAILS, UPLIFT, SLOPE, ROOF TRUSSES AND OTHER ELEMENTS SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER AND REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT. ENGINEER OF RECORD TO VERIFY THAT ROOF MEMBERS CAN SUPPORT THE PV MODULE ARRAY UNDER ALL CODE LEVEL LOADING CONDITIONS. INSTALLER TO MAINTAIN THE WATERPROOF INTEGRITY OF THE ROOF.

INSTALLATION OF PV PANEL ACCESSORIES SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF FLORIDA BUILDING CODE AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND ROOF COVERING.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

SOLAR PANELS TO BE INSTALLED PARALLEL TO THE ROOF SURFACE WITH A TOLERANCE OF LESS THAN 2 DEGREES.

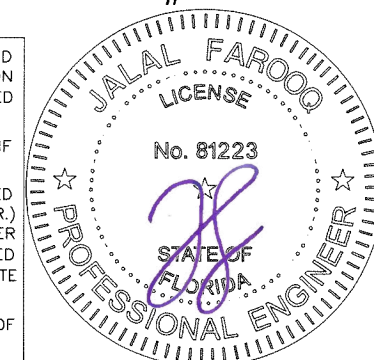
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOAD CAPACITY - PSF (LANDSCAPE MODULES)											
PANEL WIDTH	MAX. PANEL LENGTH	BASE BRACKET SPACING	FLAT ROOFS	ROOF SLOPES UP TO 7°		ROOF SLOPES 8° TO 20°		ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
			ANCHORS 'A' & 'A1'	ANCHOR TYPE 'A'	ANCHORS TYPE 'A1'	ANCHOR TYPE 'A'	ANCHORS TYPE 'A1'	ANCHOR TYPE 'A'	ANCHORS TYPE 'A1'	ANCHOR TYPE 'A'	ANCHORS TYPE 'A1'
40"	80"	16"	80.2	77.7	79.4	73.0	77.8	70.6	76.8	64.7	74.5
48"			67.5	65.0	66.7	60.3	65.1	57.9	64.2	52.0	61.8
40"	80"	24"	54.8	52.3	54.0	47.6	52.4	45.2	51.5	39.3	49.1
48"			46.3	43.8	45.5	39.2	43.9	36.7	43.0	30.9	40.6
40"	80"	32"	42.1	39.6	41.3	34.9	39.7	32.5	38.8	26.6	36.4
48"			35.7	33.2	34.9	28.6	33.3	26.1	32.4	20.3	30.1
40"	80"	48"	29.4	26.9	28.6	22.2	27.0	-	26.1	-	23.7
48"			25.2	22.7	24.4	-	22.7	-	21.8	-	-

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FL #38617

A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

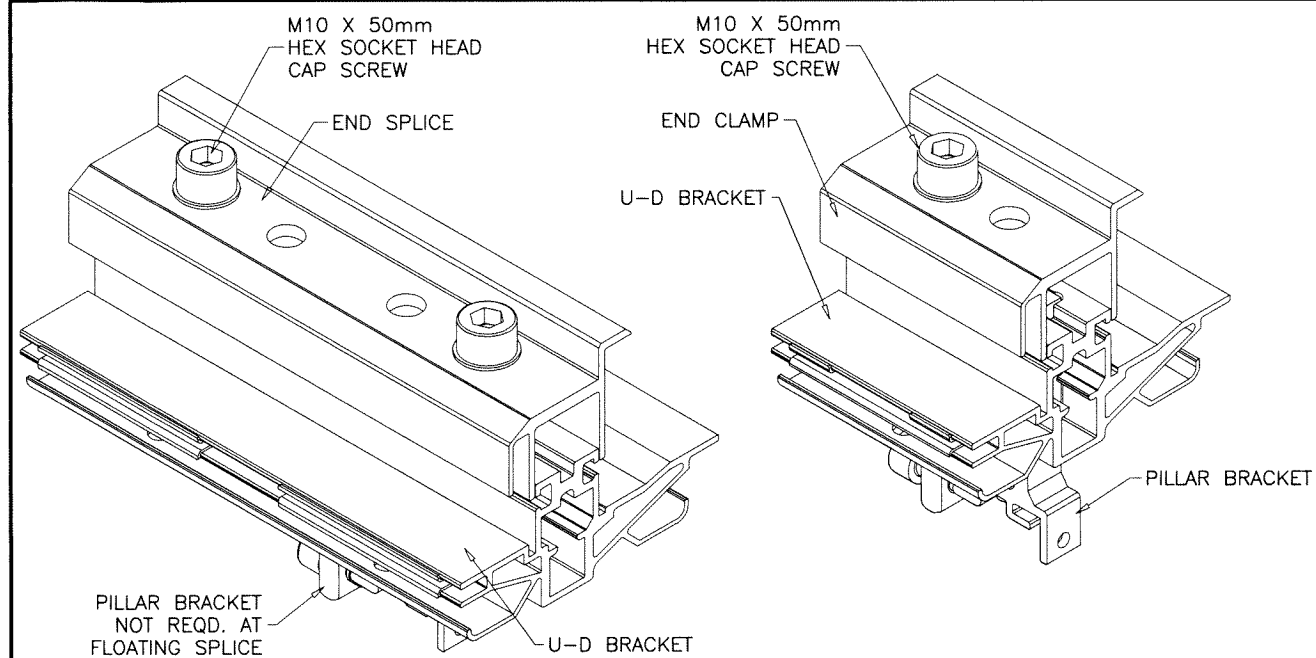


RT-APEX ROOF TOP PV MOUNTING SYSTEM

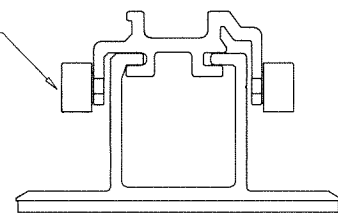
Roof Tech Inc.
10620 Trenea Street Suite 230
San Diego, CA. 92131
Phone: (858) 935-6064 Fax:

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dr. by:	TARIQ			
chk. by:				
drawing no.	21-70F			
sheet	1 of 7			

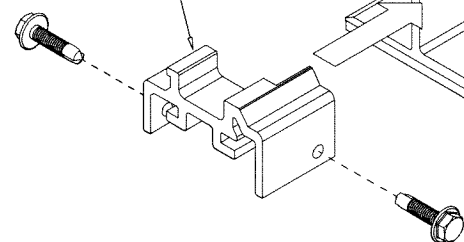
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
SOLAR-RACK\21-70F-RT



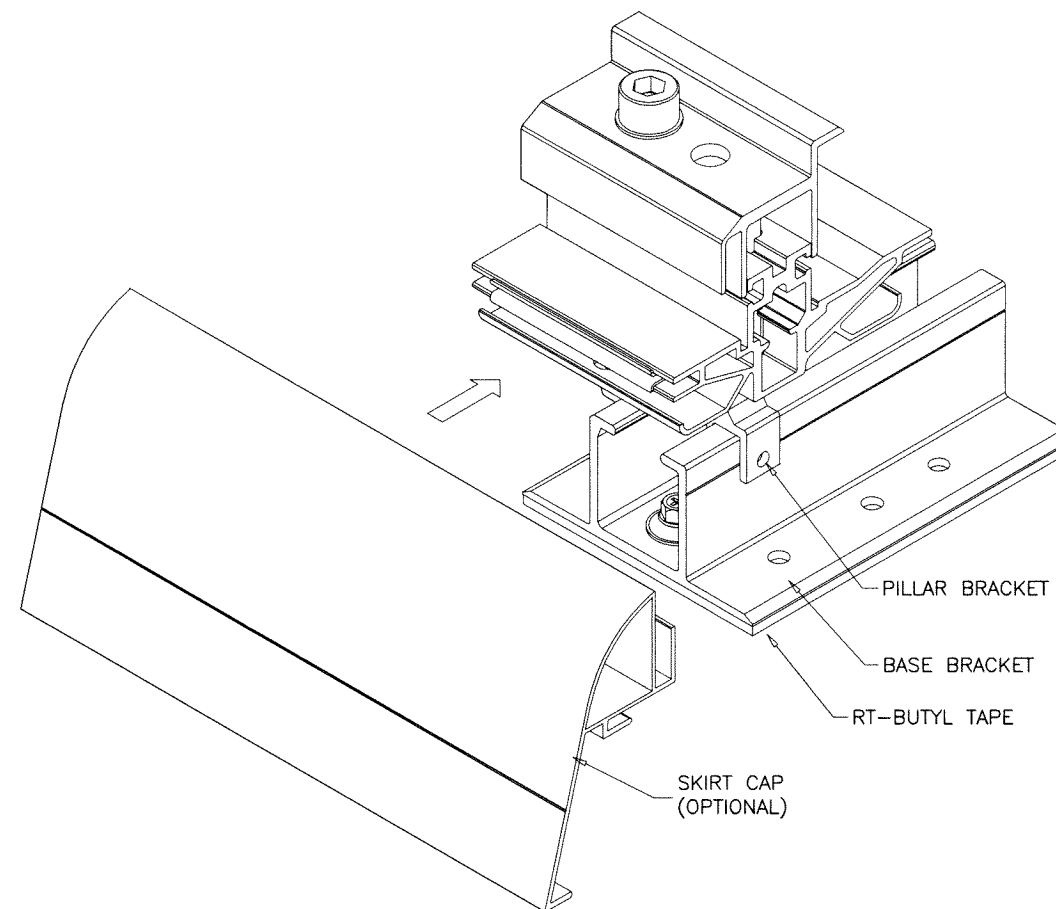
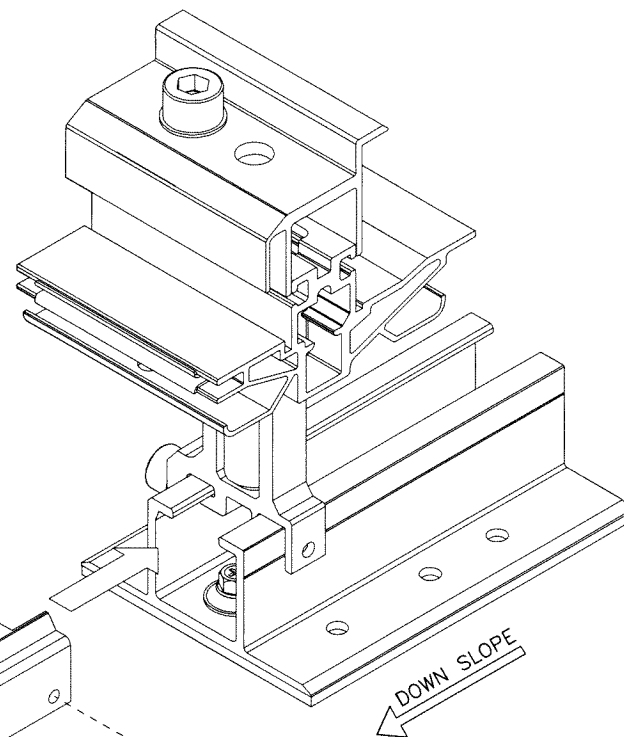
M8 X 9mm
HEX SOCKET HEAD
CAP SCREW



SUMO CLIP
AT DOWN
SLOPE SIDE



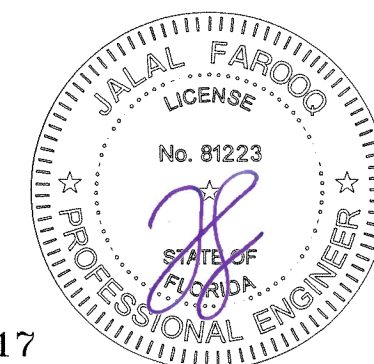
SUMO CLIP DETAIL



SKIRT CAP DETAIL

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FL #38617



RT-APEX ROOF TOP PV MOUNTING SYSTEM

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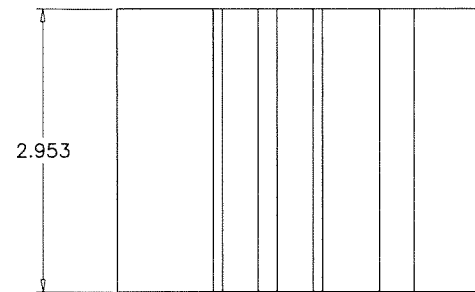
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

a f c
SOLAR-RACK\21-70F-RT

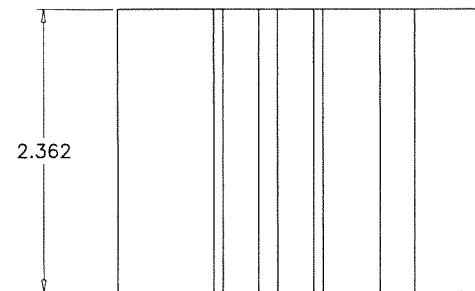
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dr. by: TARIQ
chk. by:

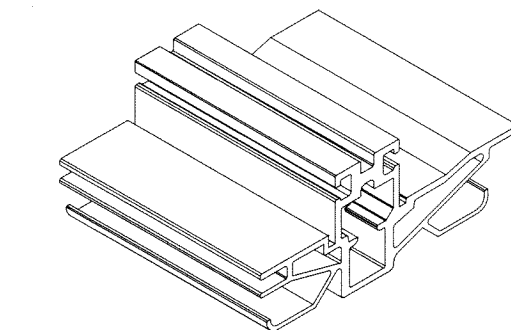
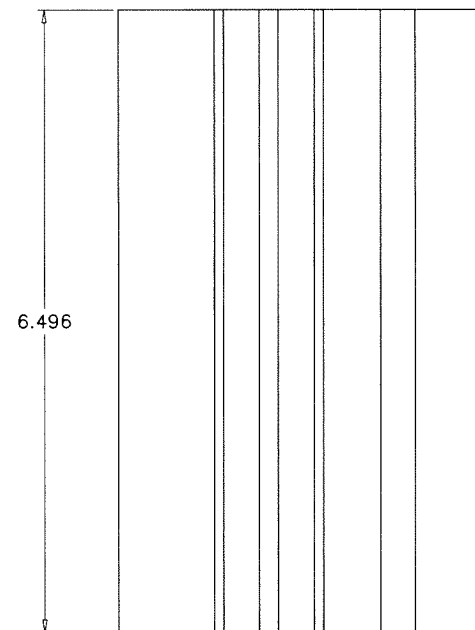
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21-70F
sheet 5 of 7



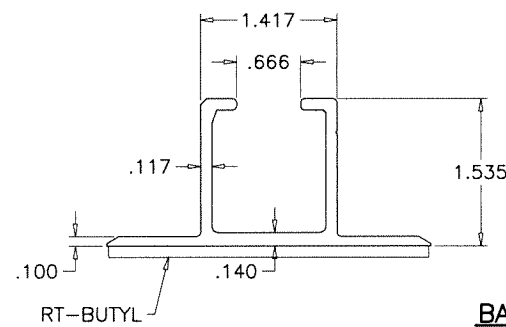
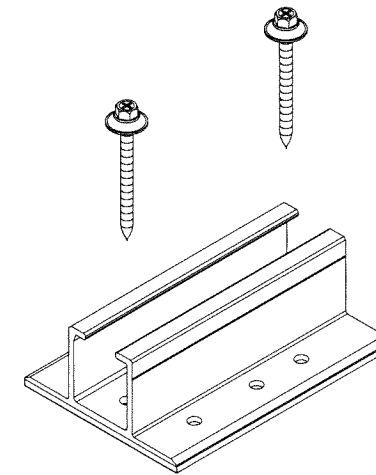
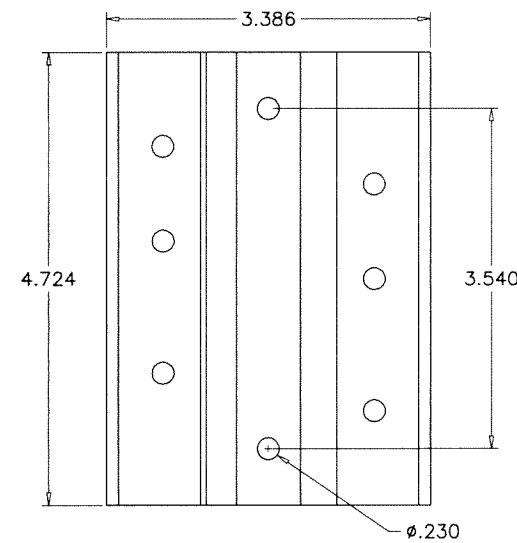
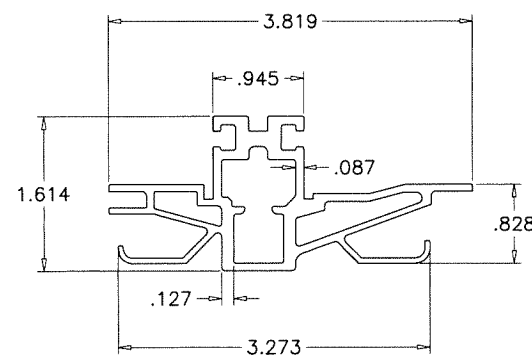
U-D BRACKET (AT END CLAMP)
6063-T5



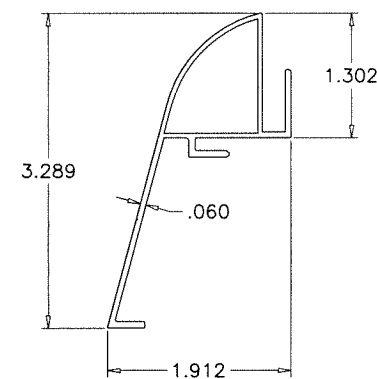
U-D BRACKET (AT MIDDLE CLAMP)
6063-T5



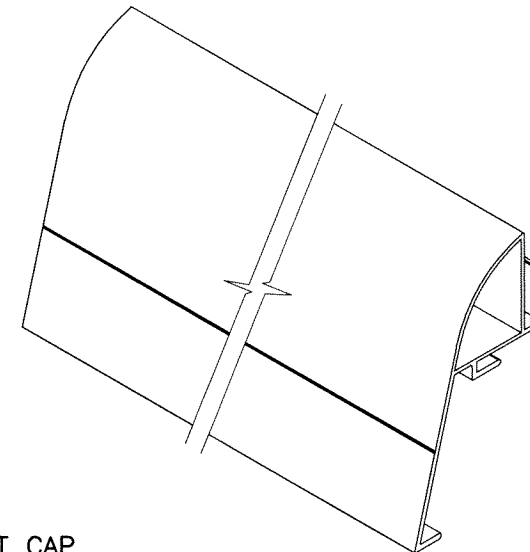
U-D BRACKET (AT FIX./FLOATING SPLICE)
6063-T5



BASE BRACKET
6063-T5

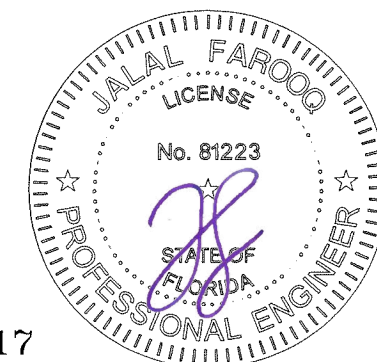


SKIRT CAP
6063-T5



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af c
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RT-APEX ROOF TOP PV MOUNTING SYSTEM

Roof Tech Inc.
10620 Treena Street Suite 230
San Diego, CA. 92131
Phone: (858) 935-6064 Fax:

revisions:	
no	date by description

date: 10-06-21

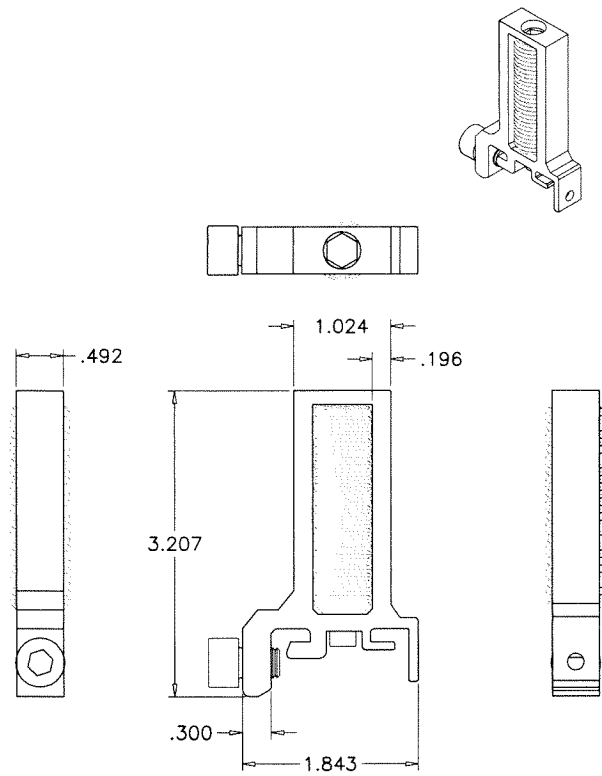
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dr. by: TARIQ

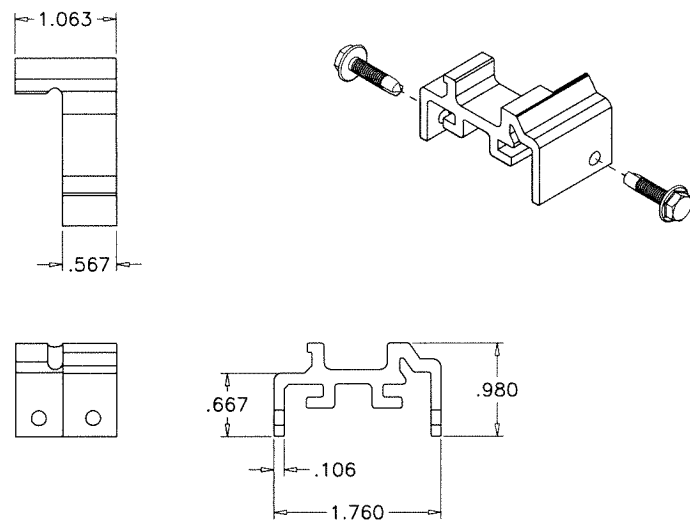
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drawing no.
21-70F

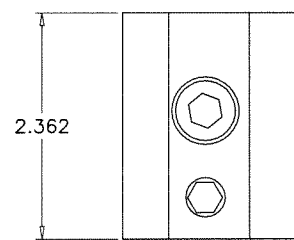
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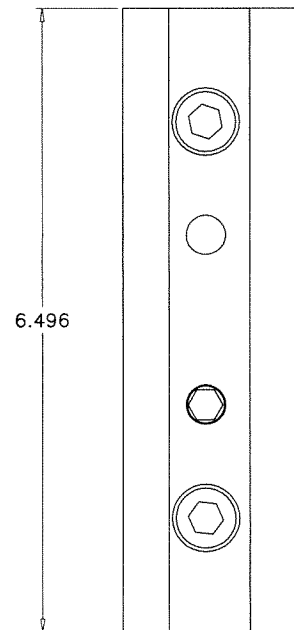
PILLAR BRACKET
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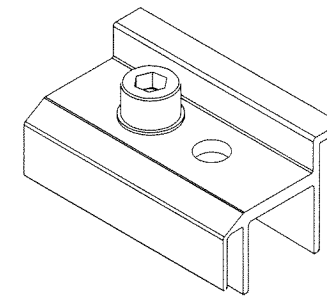
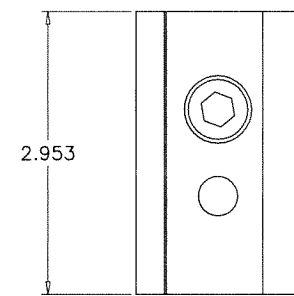
SUMO CLIP
6063-T6



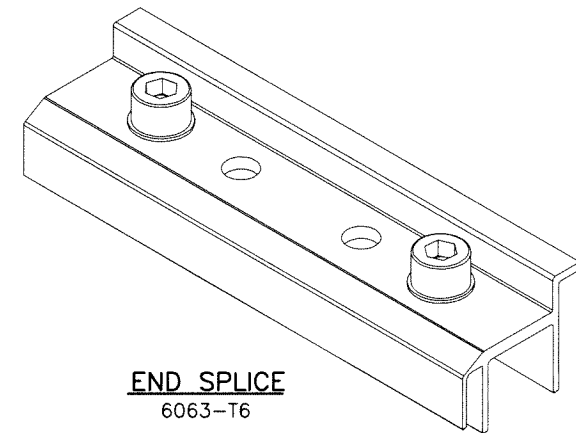
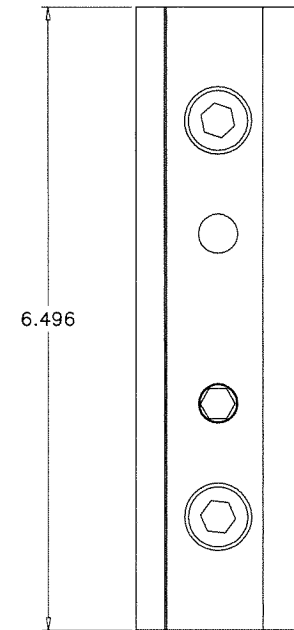
MID CLAMP
6063-T6



MID SPLICE
6063-T6



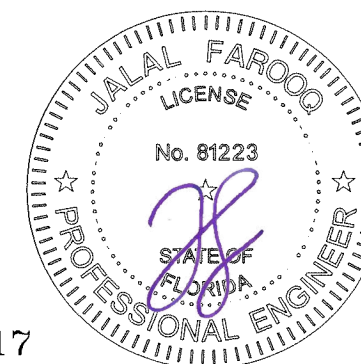
END CLAMP
6063-T6



END SPLICE
6063-T6

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a f c
(C.A.N. 3538)
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dr. by: TARIQ
chk. by:

drawing no.
21-70F
sheet 7 of 7