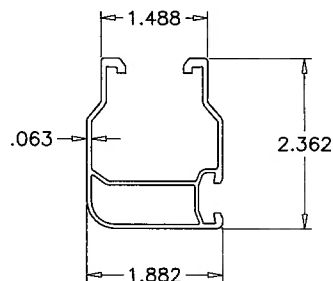


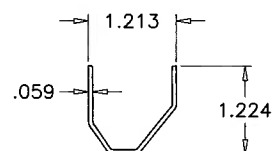
LIGHT RAIL

6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)
 (Kt = 1.0)



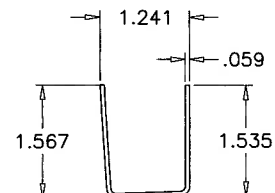
MAX. RAIL

6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)
 (Kt = 1.0)



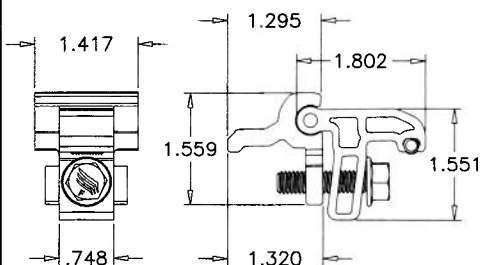
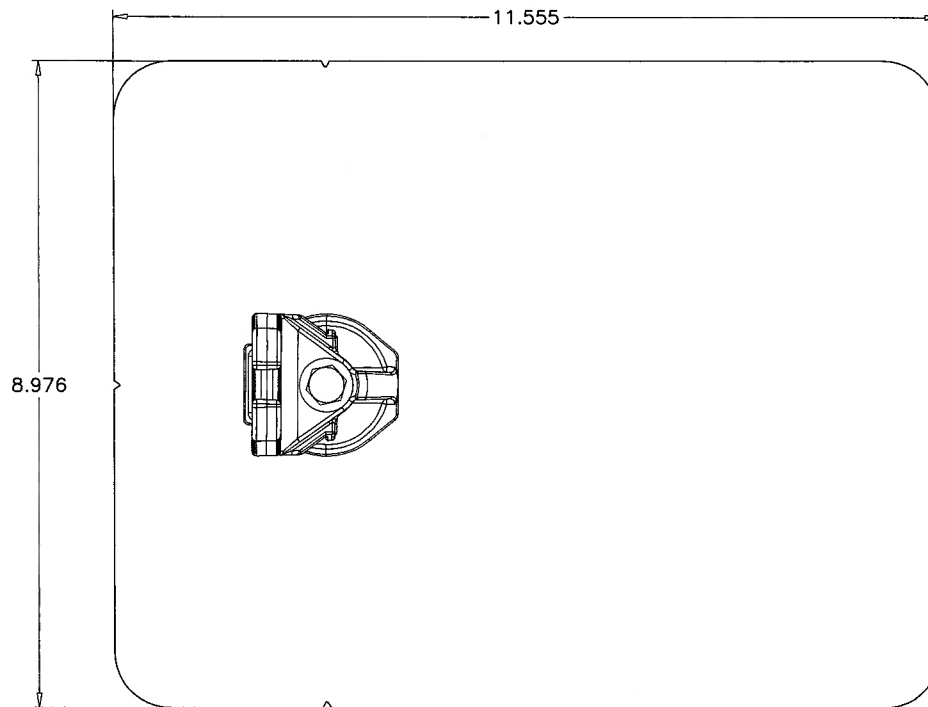
LIGHT RAIL SPLICE

300 SERIES ST. STEEL OR EQUIVALENT
 (Fy MIN. = 110.0 KSI)
 (Fu MIN. = 150.0 KSI)



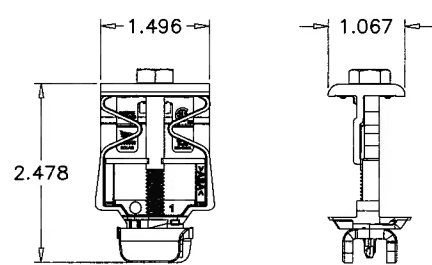
MAX. RAIL SPLICE

300 SERIES ST. STEEL OR EQUIVALENT
 (Fy MIN. = 110.0 KSI)
 (Fu MIN. = 150.0 KSI)



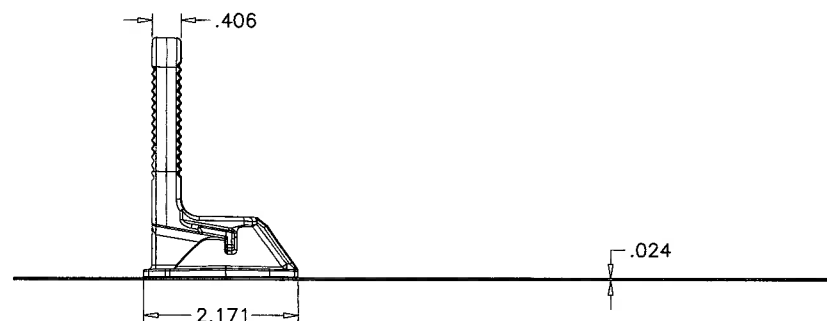
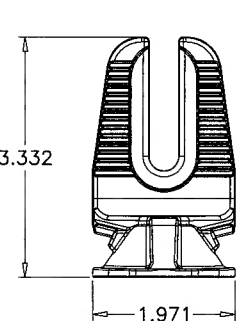
HIDDEN END CLAMP

6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)



MULTI-CLAMP

6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)

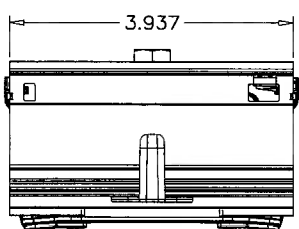
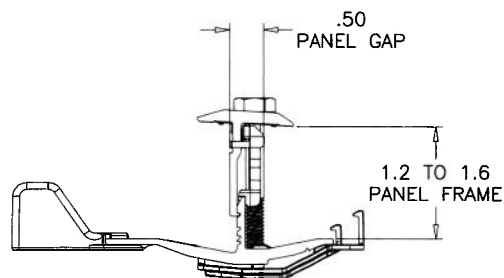
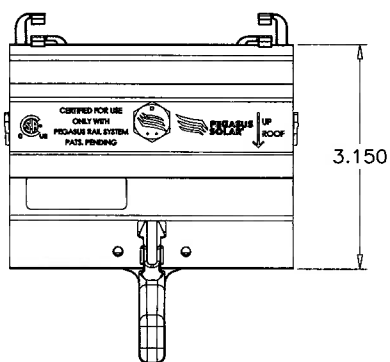


**COMP MOUNT GEN 2
 OPEN SLOT L-FOOT**

CAST ALUMINUM
 (Fy MIN. = 23.0 KSI)
 (Fu MIN. = 47.0 KSI)

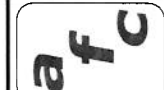
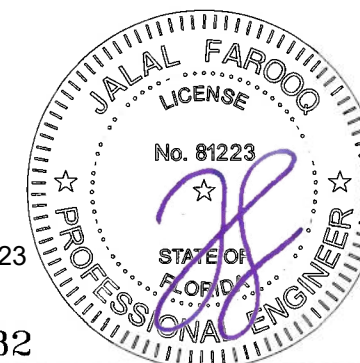
SkipRail CLAMP

6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)



Sealed 12-28-2023

FL #46082



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

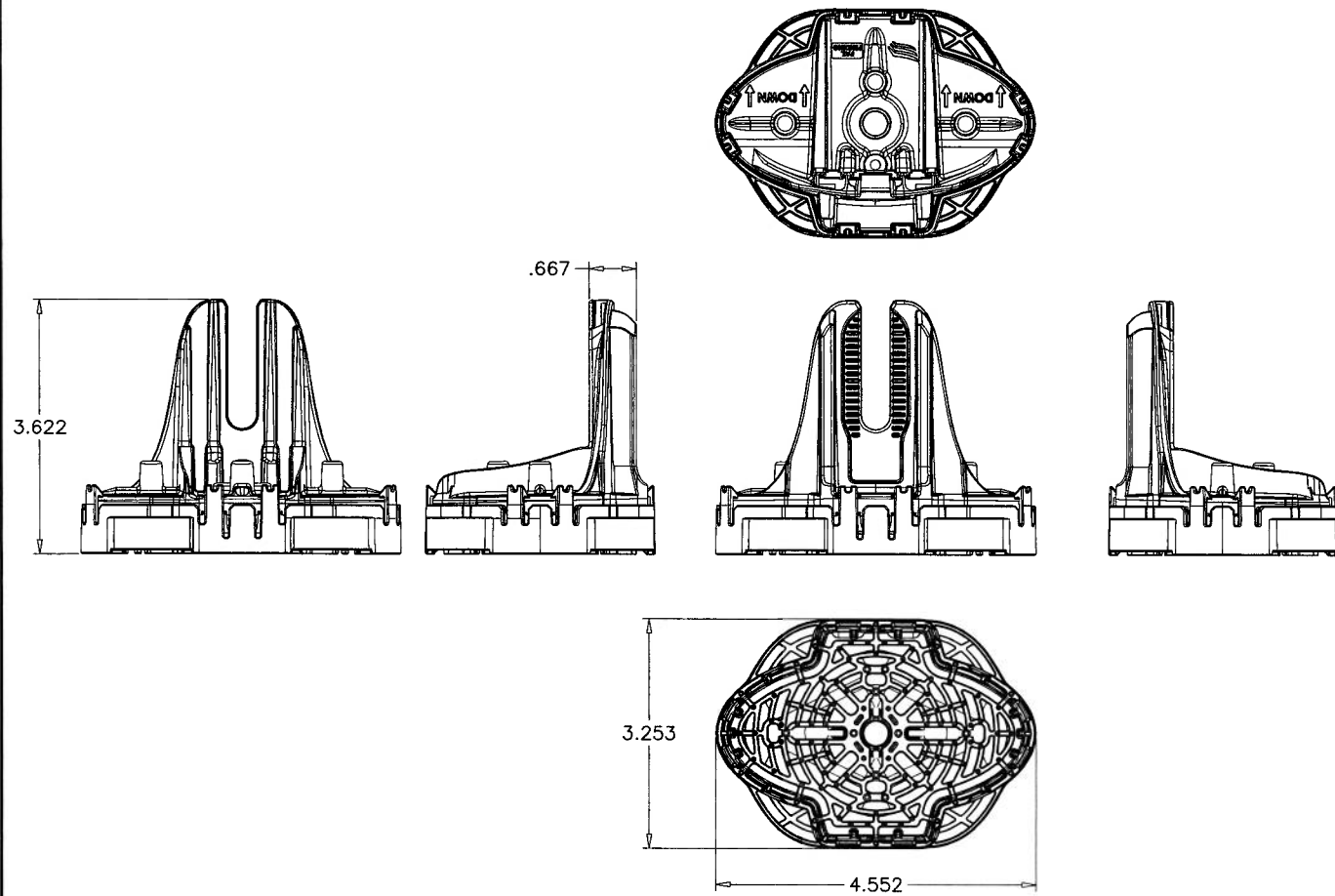
no	date	by	description

date: 12-22-23
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

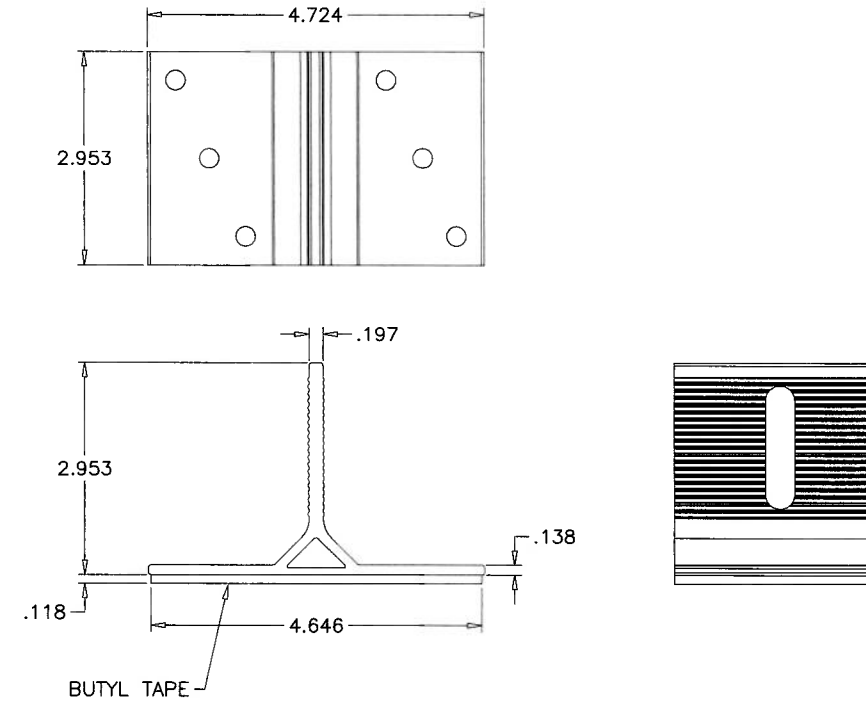
drawing no.
23-64F

sheet 2 of 17

SOLAR-RACK-23-64F-PS



INSTAFLASH MOUNT
 CAST ALUMINUM
 (Fy MIN. = 23 KSI)
 (Fu MIN. = 47 KSI)



Butyl-Foot MOUNT
 6000 SERIES ALUMINUM
 (Fy MIN. = 35.0 KSI)
 (Fu MIN. = 38.0 KSI)

Sealed 12-28-2023

FL #46082



afc
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #8538

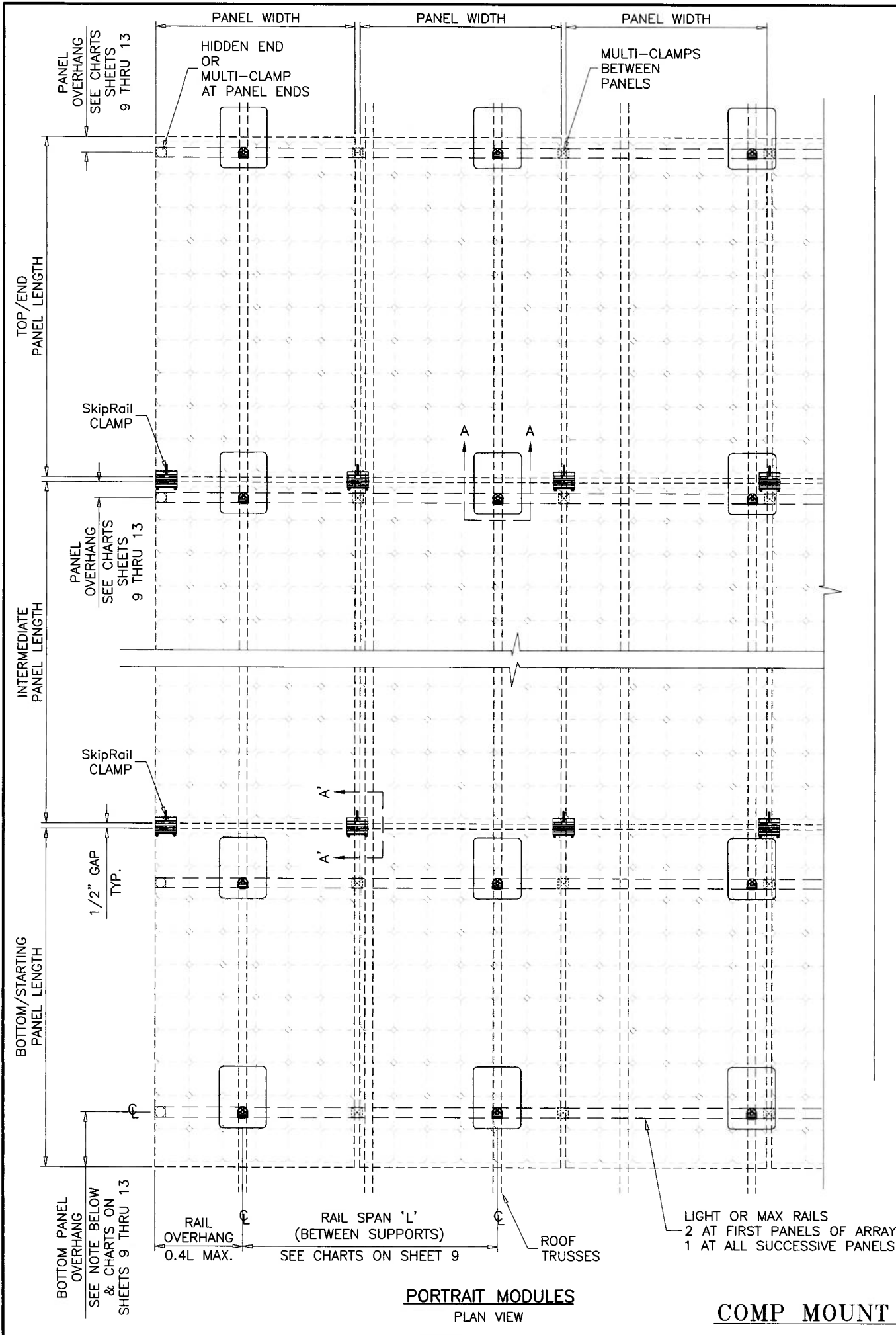
ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	
no	date by description

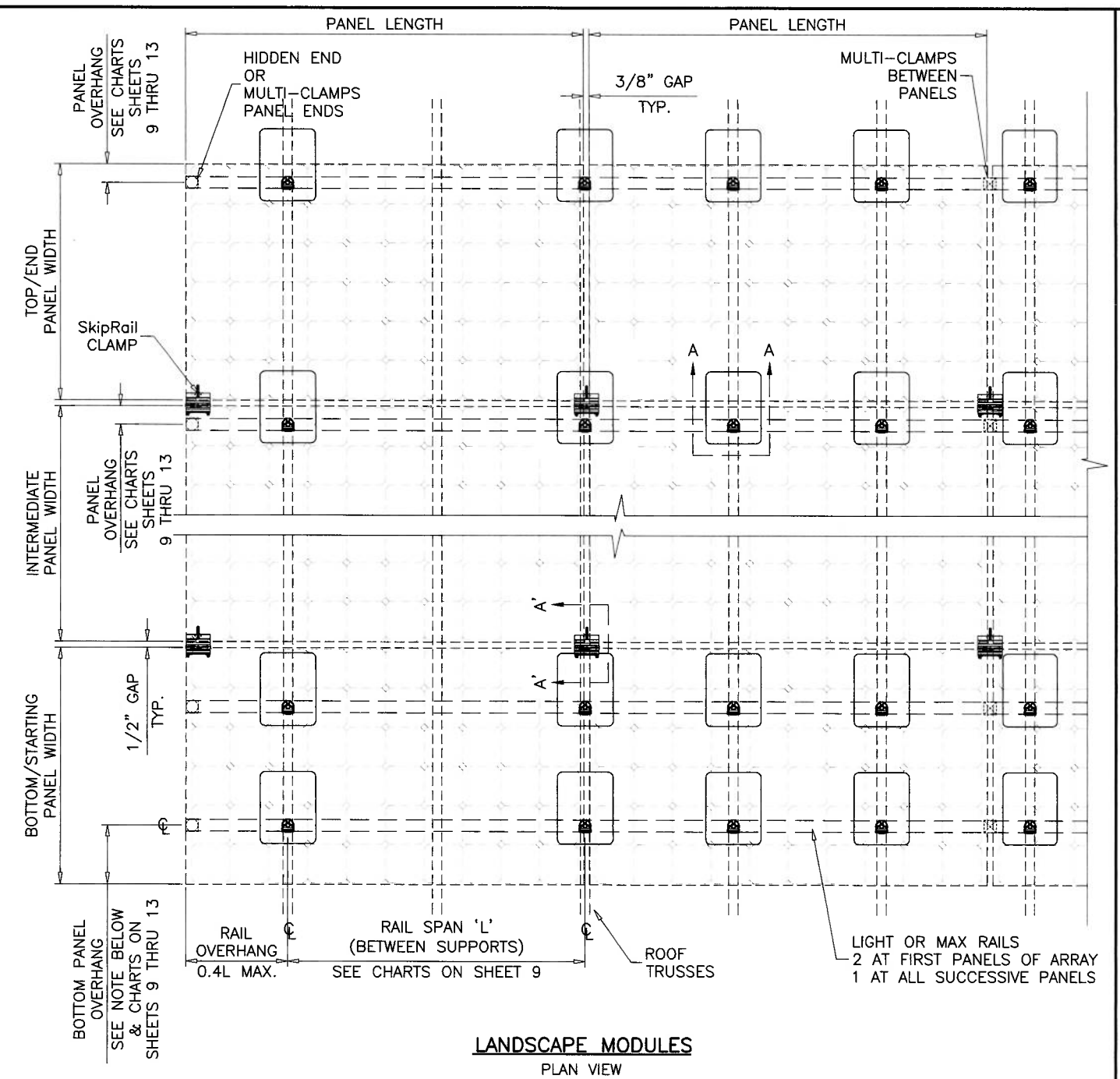
date: 12-22-23	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:

drawing no. **23-64F**
 sheet 4 of 17

SOLAR-RACK 23-64F-PS

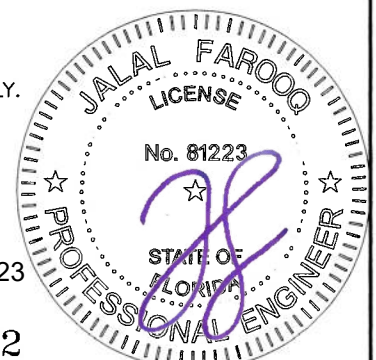


PORTRAIT MODULES
PLAN VIEW



LANDSCAPE MODULES
PLAN VIEW

NOTES:
 BOTTOM/STARTING PANEL OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS. SHOULD BE EQUAL ON BOTH SIDES OF PANELS
 RAILS CAN BE JOINED WITH 6.9" LONG SPLICE TO ACHIEVE REQUIRED LENGTHS. SPLICE JOINTS TO BE ANYWHERE ALONG THE RAIL EXCEPT NO PART OF THE SPLICE SHOULD BE WITHIN THE RAIL CANTILEVER.
 A COMBINATION OF LANDSCAPE OR PORTRAIT MODULES IN ANY GIVEN ARRAY IS ALLOWED.
 LOWER CAPACITY FROM LANDSCAPE OR PORTRAIT MODULE CHARTS WILL APPLY.



Sealed 12-28-2023
 FL #46082

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK\23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP

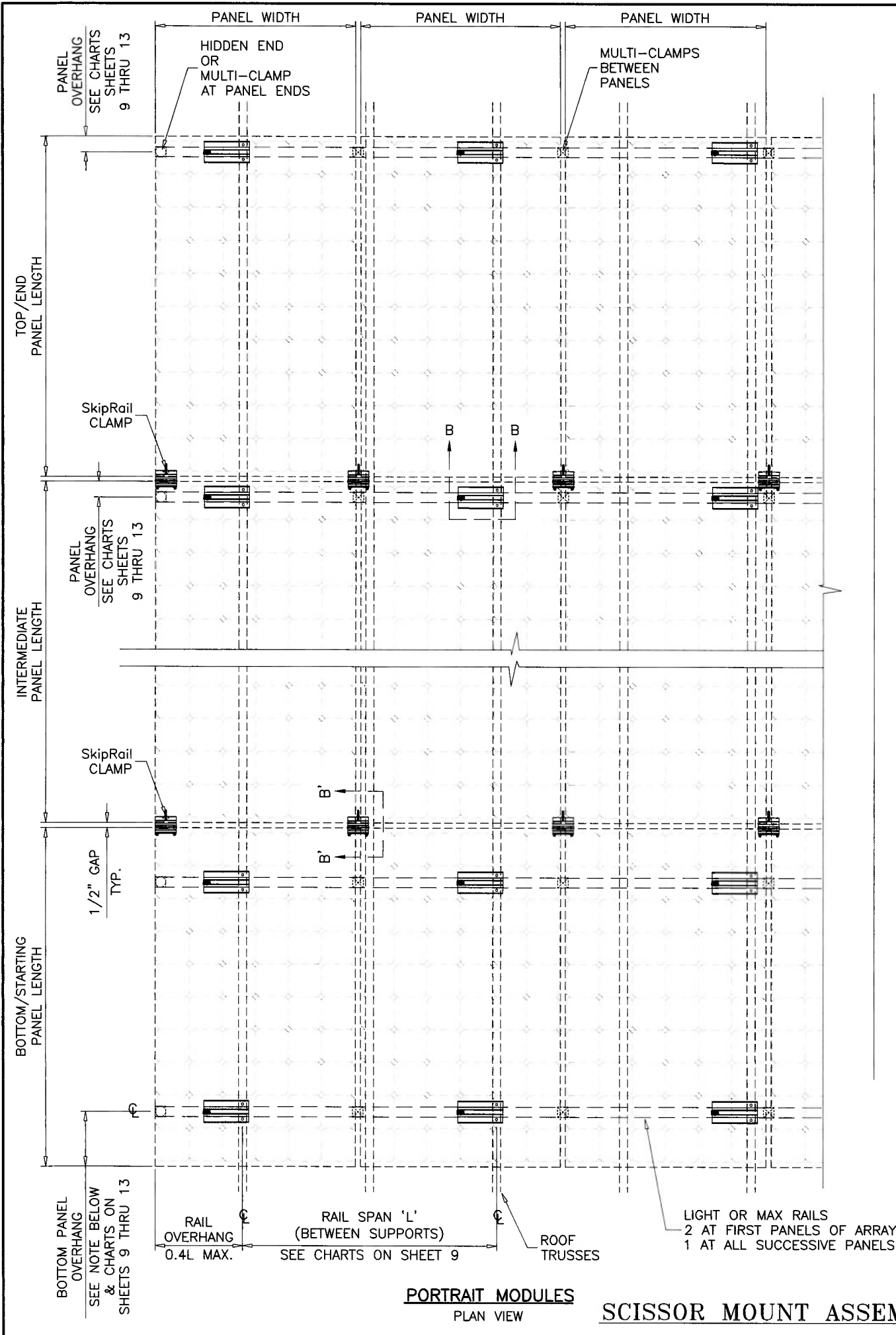
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

no	date	by	description

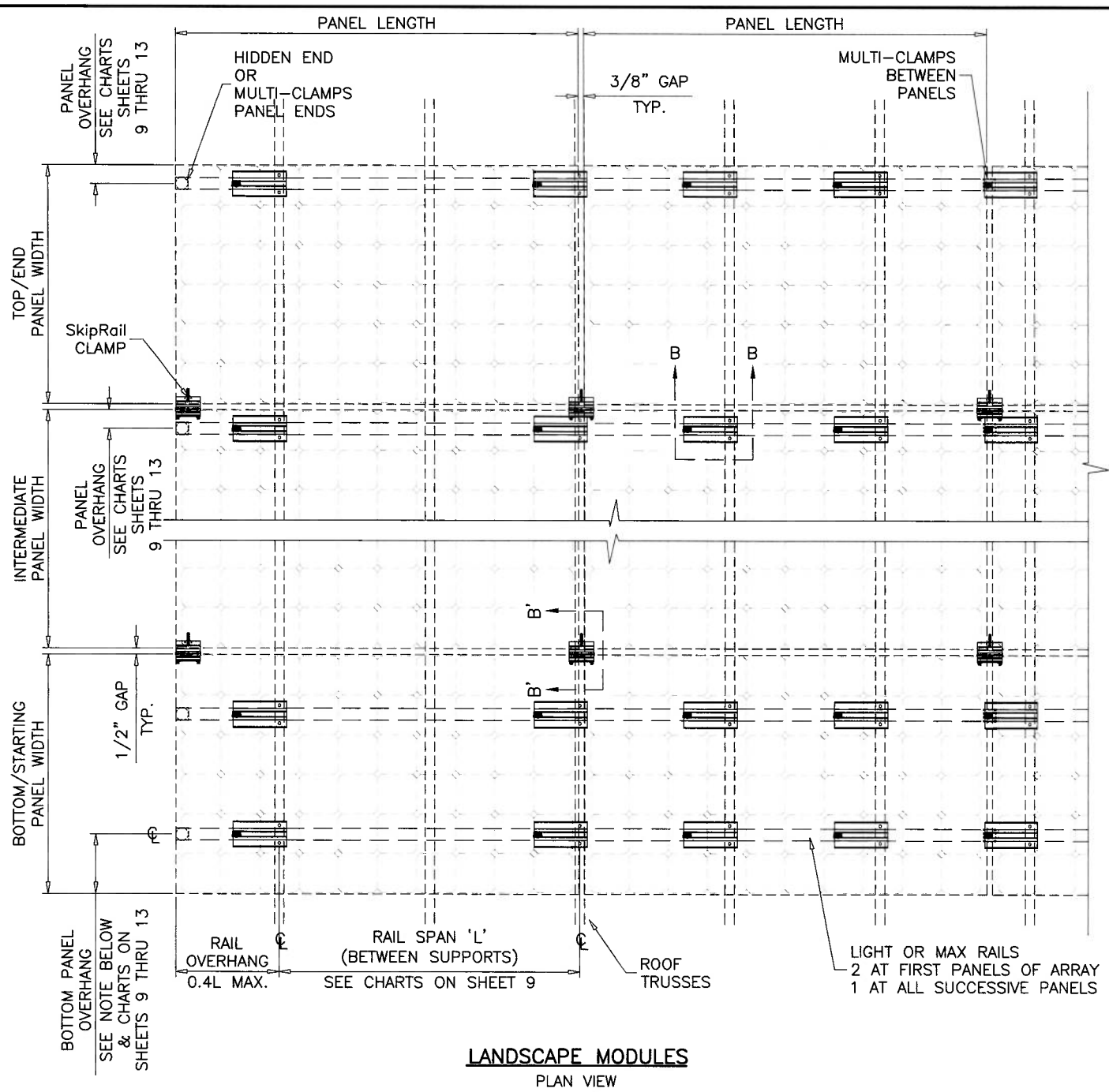
revisions:

date: 12-22-23
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no.
23-64F
 sheet 5 of 17

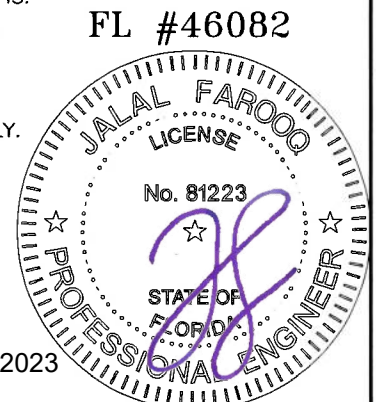


PORTRAIT MODULES
PLAN VIEW



LANDSCAPE MODULES
PLAN VIEW

NOTES:
 BOTTOM/STARTING PANEL OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS. SHOULD BE EQUAL ON BOTH SIDES OF PANELS
 RAILS CAN BE JOINED WITH 6.9" LONG SPLICE TO ACHIEVE REQUIRED LENGTHS. SPLICE JOINTS TO BE ANYWHERE ALONG THE RAIL EXCEPT NO PART OF THE SPLICE SHOULD BE WITHIN THE RAIL CANTILEVER.
 A COMBINATION OF LANDSCAPE OR PORTRAIT MODULES IN ANY GIVEN ARRAY IS ALLOWED. LOWER CAPACITY FROM LANDSCAPE OR PORTRAIT MODULE CHARTS WILL APPLY.



Sealed 12-28-2023

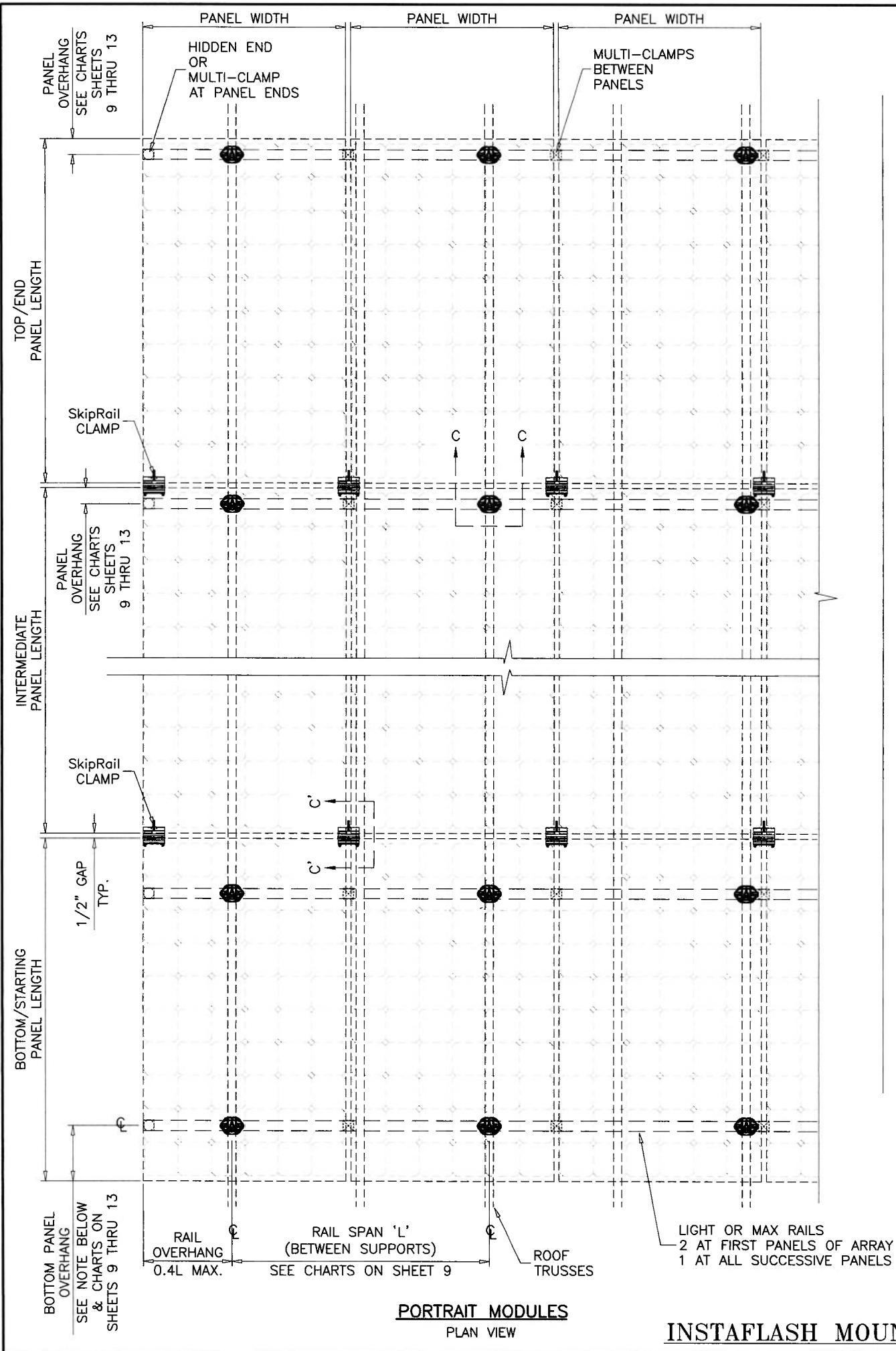
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK 23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

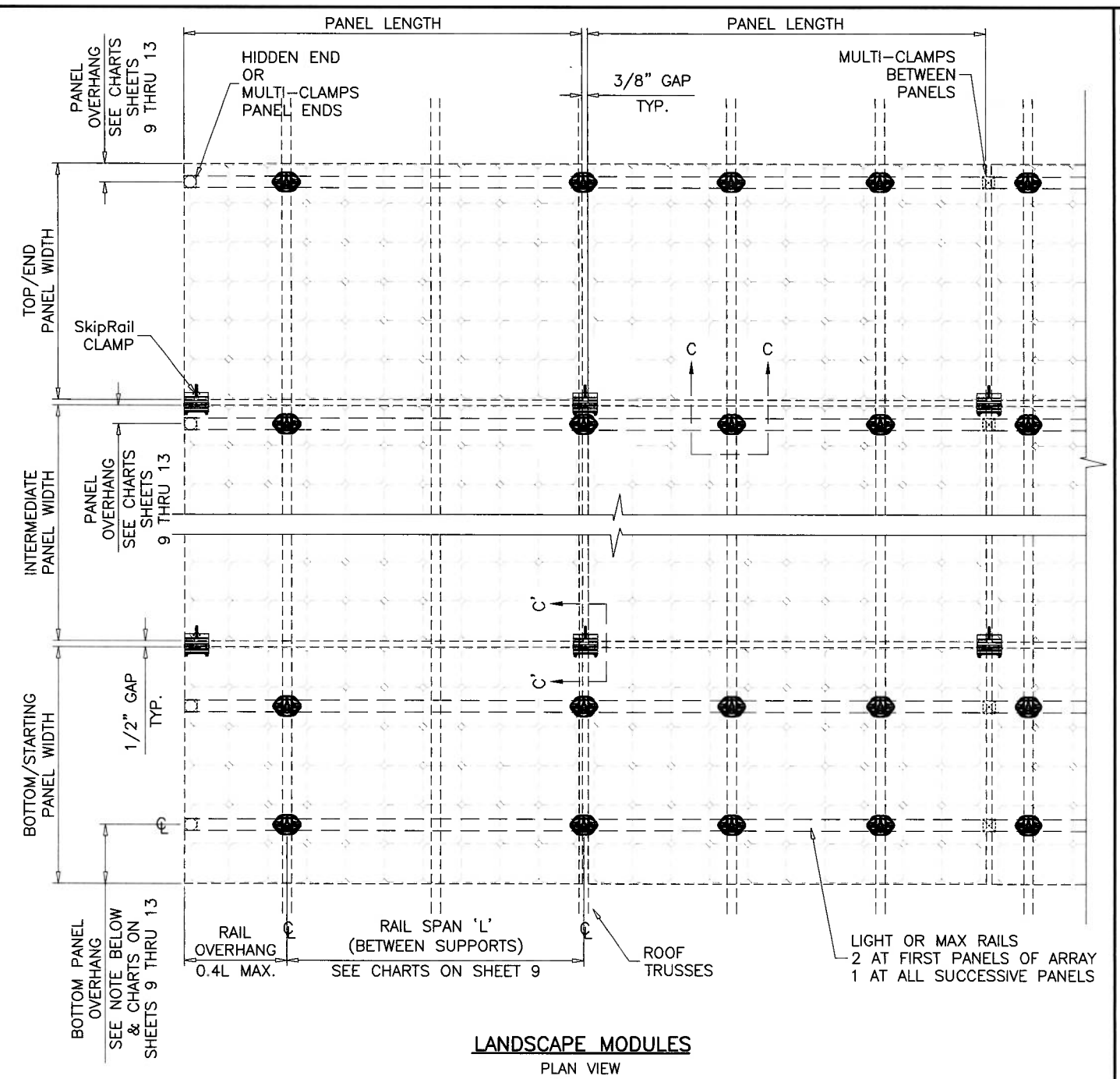
no	date	by	description

date: 12-22-23
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no.
23-64F
 sheet 6 of 17

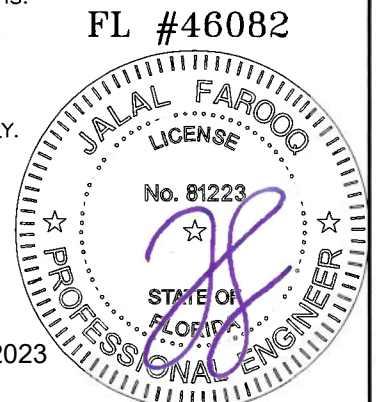


PORTRAIT MODULES
PLAN VIEW



LANDSCAPE MODULES
PLAN VIEW

NOTES:
 BOTTOM/STARTING PANEL OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS. SHOULD BE EQUAL ON BOTH SIDES OF PANELS
 RAILS CAN BE JOINED WITH 6.9" LONG SPLICE TO ACHIEVE REQUIRED LENGTHS. SPLICE JOINTS TO BE ANYWHERE ALONG THE RAIL EXCEPT NO PART OF THE SPLICE SHOULD BE WITHIN THE RAIL CANTILEVER.
 A COMBINATION OF LANDSCAPE OR PORTRAIT MODULES IN ANY GIVEN ARRAY IS ALLOWED.
 LOWER CAPACITY FROM LANDSCAPE OR PORTRAIT MODULE CHARTS WILL APPLY.



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK 23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

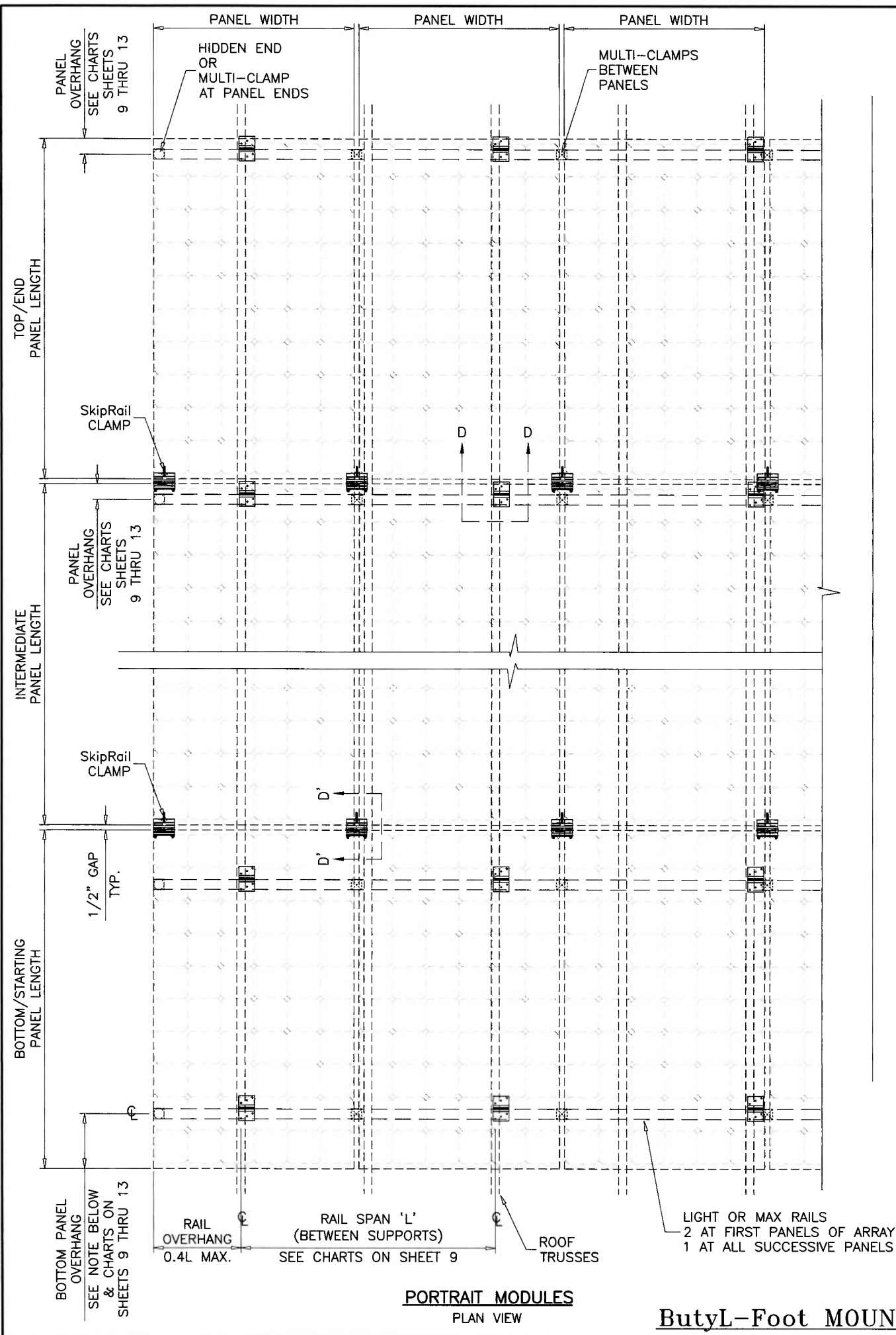
revisions:	
no	date by description

date: 12-22-23
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:

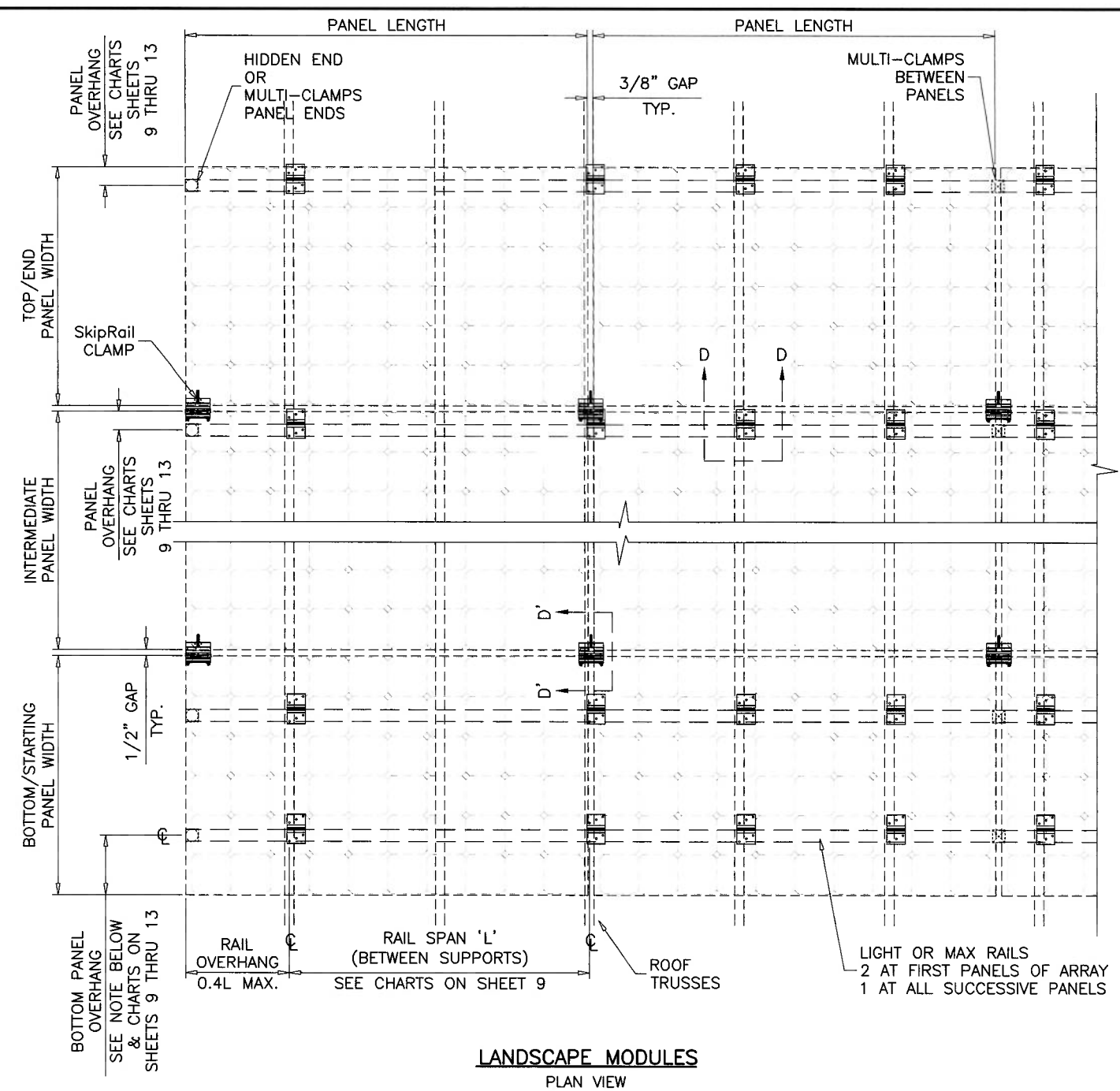
drawing no.
23-64F
 sheet 7 of 17

Sealed 12-28-2023

INSTAFLASH MOUNT WITH SkipRail CLAMP

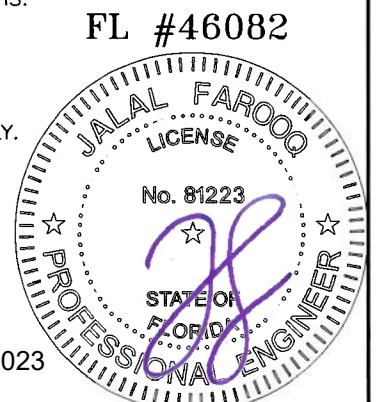


PORTRAIT MODULES
PLAN VIEW



LANDSCAPE MODULES
PLAN VIEW

NOTES:
 BOTTOM/STARTING PANEL OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS. SHOULD BE EQUAL ON BOTH SIDES OF PANELS
 RAILS CAN BE JOINED WITH 6.9" LONG SPLICE TO ACHIEVE REQUIRED LENGTHS. SPLICE JOINTS TO BE ANYWHERE ALONG THE RAIL EXCEPT NO PART OF THE SPLICE SHOULD BE WITHIN THE RAIL CANTILEVER.
 A COMBINATION OF LANDSCAPE OR PORTRAIT MODULES IN ANY GIVEN ARRAY IS ALLOWED.
 LOWER CAPACITY FROM LANDSCAPE OR PORTRAIT MODULE CHARTS WILL APPLY.



ButyL-Foot MOUNT WITH SkipRail CLAMP

Sealed 12-28-2023

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK\23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP

Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no	date	by	description

date: 12-22-23
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no.
23-64F
 sheet 8 of 17

LIGHT RAIL & MAX. RAIL

RAILS DESIGN LOAD CAPACITY - PSF (PORTRAIT MODULES)												
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS		ROOF SLOPES UP TO 7°		ROOF SLOPES 8° TO 20°		ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
			LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL
69"	3"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	48.9	55.0	48.4	55.0	47.2	55.0	46.6	55.0	44.8	55.0
		32"	37.7	55.0	37.1	55.0	36.0	55.0	35.4	55.0	33.6	55.0
		48"	26.4	44.4	25.9	43.9	24.8	43.0	24.1	42.4	22.4	40.8
		64"	20.8	34.3	20.3	33.8	19.2	32.9	18.5	32.3	16.8	30.7
		72"	19.0	30.9	18.4	30.5	17.3	29.5	16.7	28.9	14.9	27.3
	11"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	43.4	55.0	42.9	55.0	41.8	55.0	41.1	55.0	39.3	55.0
		32"	33.5	55.0	33.0	55.0	31.9	55.0	31.3	55.2	29.5	53.6
		48"	23.7	39.5	23.2	39.0	22.1	38.0	21.4	37.4	19.6	35.8
		64"	18.8	30.6	18.2	30.1	17.1	29.2	16.5	28.6	14.7	27.0
		72"	17.1	27.6	16.6	27.2	15.5	26.2	14.8	25.6	13.1	24.0
	20"	16"	53.8	55.0	53.3	55.0	52.2	55.0	51.5	55.0	49.8	55.0
		24"	37.2	55.0	36.7	55.0	35.6	55.0	34.9	55.0	33.2	55.0
		32"	28.9	48.8	28.4	48.4	27.3	47.4	26.6	46.8	24.8	45.2
		48"	20.6	33.9	20.1	33.4	19.0	32.5	18.3	31.9	16.5	30.3
		64"	16.5	26.4	15.9	26.0	14.8	25.0	14.2	24.4	12.4	22.8
		72"	15.1	23.9	14.5	23.5	13.4	22.5	12.8	21.9	11.0	20.3
75.7"	3"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	44.9	55.0	44.4	55.0	43.3	55.0	42.6	55.0	40.8	55.0
		32"	34.7	55.0	34.2	55.0	33.0	55.0	32.4	55.0	30.6	55.0
		48"	24.5	40.8	23.9	40.4	22.8	39.4	22.2	38.8	20.4	37.2
		64"	19.3	31.6	18.8	31.2	17.7	30.2	17.0	29.6	15.3	28.0
		72"	17.6	28.5	17.1	28.1	16.0	27.1	15.3	26.5	13.6	24.9
	12"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	53.7	55.0
		24"	39.9	55.0	39.4	55.0	38.1	55.0	37.4	55.0	35.6	55.0
		32"	30.9	52.5	30.4	52.0	29.0	50.8	28.3	50.2	26.6	48.6
		48"	22.0	36.3	21.4	35.9	19.9	34.6	19.3	34.0	17.5	32.3
		64"	17.5	28.2	16.9	27.8	15.4	26.4	14.7	25.8	12.9	24.2
		72"	16.0	25.5	15.4	25.1	13.8	23.6	13.1	23.0	11.3	21.4
	22"	16"	49.4	55.0	48.9	55.0	47.1	55.0	46.4	55.0	44.7	55.0
		24"	34.3	55.0	33.7	55.0	31.9	55.0	31.2	55.0	29.4	54.1
		32"	26.7	44.9	26.2	44.4	24.2	42.7	23.5	42.1	21.7	40.4
		48"	19.1	31.2	18.6	30.8	16.6	29.0	15.9	28.4	14.1	26.7
		64"	15.4	24.4	14.8	24.0	12.7	22.1	12.0	21.5	10.2	19.8
		72"	14.1	22.2	13.6	21.7	11.3	19.7	10.6	19.1	-	17.4

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

LOADS SHOWN IN CHARTS ABOVE ARE FOR 60 CELLS PANEL (40.9" X 69") AND 72 CELLS PANEL (40.9" X 75.7").

LIGHT RAIL & MAX. RAIL

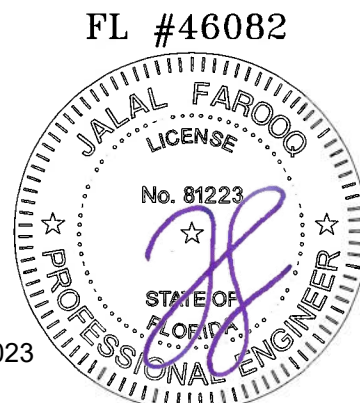
RAILS DESIGN LOAD CAPACITY - PSF (LANDSCAPE MODULES)												
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS		ROOF SLOPES UP TO 7°		ROOF SLOPES 8° TO 20°		ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
			LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL	LIGHT RAIL	MAX. RAIL
69"	3"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	48.2	55.0	47.7	55.0	46.6	55.0	45.9	55.0	44.2	55.0
		32"	37.2	55.0	36.6	55.0	35.5	55.0	34.9	55.0	33.1	55.0
		48"	26.1	43.8	25.6	43.4	24.5	42.4	23.8	41.8	22.1	40.2
		64"	20.6	33.9	20.1	33.4	18.9	32.4	18.3	31.9	16.5	30.2
		72"	18.7	30.5	18.2	30.1	17.1	29.1	16.5	28.5	14.7	26.9
	6-1/2"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	44.6	55.0	44.1	55.0	43.0	55.0	42.3	55.0	40.6	55.0
		32"	34.5	55.0	33.9	55.0	32.8	55.0	32.2	55.0	30.4	55.0
		48"	24.3	40.6	23.8	40.1	22.7	39.1	22.0	38.6	20.2	36.9
		64"	19.2	31.4	18.7	31.0	17.6	30.0	16.9	29.4	15.2	27.8
		72"	17.5	28.4	17.0	27.9	15.9	26.9	15.2	26.4	13.5	24.8
	12"	16"	54.6	55.0	54.1	55.0	53.0	55.0	52.3	55.0	50.5	55.0
		24"	37.7	55.0	37.2	55.0	36.1	55.0	35.4	55.0	33.7	55.0
		32"	29.3	49.5	28.8	49.1	27.7	48.1	27.0	47.5	25.2	45.9
		48"	20.9	34.4	20.3	33.9	19.2	32.9	18.6	32.4	16.8	30.7
		64"	16.7	26.8	16.1	26.3	15.0	25.3	14.4	24.8	12.6	23.1
		72"	15.2	24.2	14.7	23.8	13.6	22.8	13.0	22.2	11.2	20.6
75.7"	3"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	44.3	55.0	43.8	55.0	42.7	55.0	42.0	55.0	40.3	55.0
		32"	34.2	55.0	33.7	55.0	32.6	55.0	31.9	55.0	30.2	54.8
		48"	24.2	40.3	23.6	39.8	22.5	38.9	21.9	38.3	20.1	36.7
		64"	19.1	31.2	18.6	30.8	17.5	29.8	16.8	29.2	15.1	27.6
		72"	17.4	28.2	16.9	27.7	15.8	26.8	15.1	26.2	13.4	24.6
	6-1/2"	16"	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
		24"	41.0	55.0	40.5	55.0	39.4	55.0	38.7	55.0	37.0	55.0
		32"	31.8	54.0	31.2	53.5	30.1	52.6	29.5	52.0	27.7	50.4
		48"	22.5	37.3	22.0	36.9	20.9	35.9	20.2	35.3	18.4	33.7
		64"	17.9	29.0	17.4	28.5	16.2	27.6	15.6	27.0	13.8	25.4
		72"	16.3	26.2	15.8	25.8	14.7	24.8	14.0	24.2	12.3	22.6
	12"	16"	50.1	55.0	49.6	55.0	48.5	55.0	47.8	55.0	46.1	55.0
		24"	34.8	55.0	34.2	55.0	33.1	55.0	32.5	55.0	30.7	55.0
		32"	27.1	45.5	26.5	45.1	25.4	44.1	24.8	43.5	23.0	41.9
		48"	19.4	31.7	18.8	31.2	17.7	30.2	17.1	29.7	15.3	28.1
		64"	15.5	24.8	15.0	24.3	13.9	23.3	13.2	22.7	11.5	21.1
		72"	14.3	22.5	13.7	22.0	12.6	21.0	12.0	20.4	10.2	18.8

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK-23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegassussolar.com

revisions:	no.	date	by	description
date:	12-22-23	scale:	-	dr. by: TARIQ
chk. by:				
drawing no.	23-64F			
sheet	9 of 17			



Sealed 12-28-2023

HIDDEN CLAMP & MULTI-CLAMP

CLAMP DESIGN LOAD CAPACITY - PSF (PORTRAIT MODULES)							
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS	ROOF SLOPES UP TO 7°	ROOF SLOPES 8° TO 20°	ROOF SLOPES 21° TO 27°	ROOF SLOPES 28° TO 45°
69"	3"	16"	37.8	36.8	35.0	33.9	31.3
		24"	37.8	36.8	35.0	33.9	31.3
		32"	37.8	36.8	35.0	33.9	31.3
		48"	37.8	36.8	35.0	33.9	31.3
		64"	37.8	36.8	35.0	33.9	31.3
		72"	37.8	36.8	35.0	33.9	31.3
	11"	16"	33.6	32.7	30.8	29.8	27.2
		24"	33.6	32.7	30.8	29.8	27.2
		32"	33.6	32.7	30.8	29.8	27.2
		48"	33.6	32.7	30.8	29.8	27.2
		64"	33.6	32.7	30.8	29.8	27.2
		72"	33.6	32.7	30.8	29.8	27.2
	20"	16"	29.0	28.0	26.2	25.2	22.5
		24"	29.0	28.0	26.2	25.2	22.5
		32"	29.0	28.0	26.2	25.2	22.5
		48"	29.0	28.0	26.2	25.2	22.5
		64"	29.0	28.0	26.2	25.2	22.5
		72"	29.0	28.0	26.2	25.2	22.5
75.7"	3"	16"	34.8	33.8	32.0	31.0	28.3
		24"	34.8	33.8	32.0	31.0	28.3
		32"	34.8	33.8	32.0	31.0	28.3
		48"	34.8	33.8	32.0	31.0	28.3
		64"	34.8	33.8	32.0	31.0	28.3
		72"	34.8	33.8	32.0	31.0	28.3
	12"	16"	31.0	30.1	28.2	27.2	24.6
		24"	31.0	30.1	28.2	27.2	24.6
		32"	31.0	30.1	28.2	27.2	24.6
		48"	31.0	30.1	28.2	27.2	24.6
		64"	31.0	30.1	28.2	27.2	24.6
		72"	31.0	30.1	28.2	27.2	24.6
	22"	16"	26.8	25.8	24.0	23.0	20.3
		24"	26.8	25.8	24.0	23.0	20.3
		32"	26.8	25.8	24.0	23.0	20.3
		48"	26.8	25.8	24.0	23.0	20.3
		64"	26.8	25.8	24.0	23.0	20.3
		72"	26.8	25.8	24.0	23.0	20.3

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

HIDDEN CLAMP & MULTI-CLAMP

CLAMP DESIGN LOAD CAPACITY - PSF (LANDSCAPE MODULES)							
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS	ROOF SLOPES UP TO 7°	ROOF SLOPES 8° TO 20°	ROOF SLOPES 21° TO 27°	ROOF SLOPES 28° TO 45°
69"	3"	16"	37.3	36.3	34.5	33.5	30.8
		24"	37.3	36.3	34.5	33.5	30.8
		32"	37.3	36.3	34.5	33.5	30.8
		48"	37.3	36.3	34.5	33.5	30.8
		64"	37.3	36.3	34.5	33.5	30.8
		72"	37.3	36.3	34.5	33.5	30.8
	6-1/2"	16"	34.6	33.6	31.8	30.7	28.1
		24"	34.6	33.6	31.8	30.7	28.1
		32"	34.6	33.6	31.8	30.7	28.1
		48"	34.6	33.6	31.8	30.7	28.1
		64"	34.6	33.6	31.8	30.7	28.1
		72"	34.6	33.6	31.8	30.7	28.1
	12"	16"	29.4	28.4	26.6	25.6	22.9
		24"	29.4	28.4	26.6	25.6	22.9
		32"	29.4	28.4	26.6	25.6	22.9
		48"	29.4	28.4	26.6	25.6	22.9
		64"	29.4	28.4	26.6	25.6	22.9
		72"	29.4	28.4	26.6	25.6	22.9
75.7"	3"	16"	34.3	33.4	31.5	30.5	27.9
		24"	34.3	33.4	31.5	30.5	27.9
		32"	34.3	33.4	31.5	30.5	27.9
		48"	34.3	33.4	31.5	30.5	27.9
		64"	34.3	33.4	31.5	30.5	27.9
		72"	34.3	33.4	31.5	30.5	27.9
	6-1/2"	16"	31.9	30.9	29.1	28.0	25.4
		24"	31.9	30.9	29.1	28.0	25.4
		32"	31.9	30.9	29.1	28.0	25.4
		48"	31.9	30.9	29.1	28.0	25.4
		64"	31.9	30.9	29.1	28.0	25.4
		72"	31.9	30.9	29.1	28.0	25.4
	12"	16"	27.1	26.2	24.3	23.3	20.7
		24"	27.1	26.2	24.3	23.3	20.7
		32"	27.1	26.2	24.3	23.3	20.7
		48"	27.1	26.2	24.3	23.3	20.7
		64"	27.1	26.2	24.3	23.3	20.7
		72"	27.1	26.2	24.3	23.3	20.7

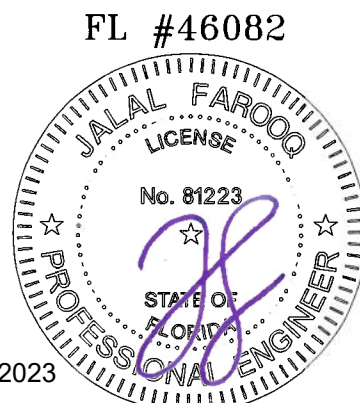
LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

afC
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 SOLAR-RACK-23-64F-PS
 FBPE #3538

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no.	date	by	description

date: 12-22-23
 scale: -
 dr. by: TARIQ
 chk. by:



Sealed 12-28-2023

drawing no.
23-64F
 sheet 10 of 17

SkipRail CLAMP

CLAMP DESIGN LOAD CAPACITY - PSF (PORTRAIT MODULES)							
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS	ROOF SLOPES UP TO 7°	ROOF SLOPES 8° TO 20°	ROOF SLOPES 21° TO 27°	ROOF SLOPES 28° TO 45°
69"	3"	16"	43.3	43.3	43.2	43.0	42.5
		24"	43.3	43.3	43.2	43.0	42.5
		32"	43.3	43.3	43.2	43.0	42.5
		48"	43.3	43.3	43.2	43.0	42.5
		64"	43.3	43.3	43.2	43.0	42.5
		72"	43.3	43.3	43.2	43.0	42.5
	11"	16"	43.3	43.3	43.2	43.0	42.5
		24"	43.3	43.3	43.2	43.0	42.5
		32"	43.3	43.3	43.2	43.0	42.5
		48"	43.3	43.3	43.2	43.0	42.5
		64"	43.3	43.3	43.2	43.0	42.5
		72"	43.3	43.3	43.2	43.0	42.5
	20"	16"	43.3	43.3	43.2	43.0	42.5
		24"	43.3	43.3	43.2	43.0	42.5
		32"	43.3	43.3	43.2	43.0	42.5
		48"	43.3	43.3	43.2	43.0	42.5
		64"	43.3	43.3	43.2	43.0	42.5
		72"	43.3	43.3	43.2	43.0	42.5
75.7"	3"	16"	39.3	39.3	39.2	39.0	38.6
		24"	39.3	39.3	39.2	39.0	38.6
		32"	39.3	39.3	39.2	39.0	38.6
		48"	39.3	39.3	39.2	39.0	38.6
		64"	39.3	39.3	39.2	39.0	38.6
		72"	39.3	39.3	39.2	39.0	38.6
	12"	16"	39.3	39.3	39.2	39.0	38.6
		24"	39.3	39.3	39.2	39.0	38.6
		32"	39.3	39.3	39.2	39.0	38.6
		48"	39.3	39.3	39.2	39.0	38.6
		64"	39.3	39.3	39.2	39.0	38.6
		72"	39.3	39.3	39.2	39.0	38.6
	22"	16"	39.3	39.3	39.2	39.0	38.6
		24"	39.3	39.3	39.2	39.0	38.6
		32"	39.3	39.3	39.2	39.0	38.6
		48"	39.3	39.3	39.2	39.0	38.6
		64"	39.3	39.3	39.2	39.0	38.6
		72"	39.3	39.3	39.2	39.0	38.6

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

SkipRail CLAMP

CLAMP DESIGN LOAD CAPACITY - PSF (LANDSCAPE MODULES)							
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS	ROOF SLOPES UP TO 7°	ROOF SLOPES 8° TO 20°	ROOF SLOPES 21° TO 27°	ROOF SLOPES 28° TO 45°
69"	3"	16"	44.9	44.9	44.7	44.6	44.0
		24"	44.9	44.9	44.7	44.6	44.0
		32"	44.9	44.9	44.7	44.6	44.0
		48"	44.9	44.9	44.7	44.6	44.0
		64"	44.9	44.9	44.7	44.6	44.0
		72"	44.9	44.9	44.7	44.6	44.0
	6-1/2"	16"	44.9	44.9	44.7	44.6	44.0
		24"	44.9	44.9	44.7	44.6	44.0
		32"	44.9	44.9	44.7	44.6	44.0
		48"	44.9	44.9	44.7	44.6	44.0
		64"	44.9	44.9	44.7	44.6	44.0
		72"	44.9	44.9	44.7	44.6	44.0
	12"	16"	44.9	44.9	44.7	44.6	44.0
		24"	44.9	44.9	44.7	44.6	44.0
		32"	44.9	44.9	44.7	44.6	44.0
		48"	44.9	44.9	44.7	44.6	44.0
		64"	44.9	44.9	44.7	44.6	44.0
		72"	44.9	44.9	44.7	44.6	44.0
75.7"	3"	16"	41.0	40.9	40.8	40.6	40.1
		24"	41.0	40.9	40.8	40.6	40.1
		32"	41.0	40.9	40.8	40.6	40.1
		48"	41.0	40.9	40.8	40.6	40.1
		64"	41.0	40.9	40.8	40.6	40.1
		72"	41.0	40.9	40.8	40.6	40.1
	6-1/2"	16"	41.0	40.9	40.8	40.6	40.1
		24"	41.0	40.9	40.8	40.6	40.1
		32"	41.0	40.9	40.8	40.6	40.1
		48"	41.0	40.9	40.8	40.6	40.1
		64"	41.0	40.9	40.8	40.6	40.1
		72"	41.0	40.9	40.8	40.6	40.1
	12"	16"	41.0	40.9	40.8	40.6	40.1
		24"	41.0	40.9	40.8	40.6	40.1
		32"	41.0	40.9	40.8	40.6	40.1
		48"	41.0	40.9	40.8	40.6	40.1
		64"	41.0	40.9	40.8	40.6	40.1
		72"	41.0	40.9	40.8	40.6	40.1

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK\23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

no.	date	description

date: 12-22-23
 scale: --
 dr. by: TARIQ
 chk. by: --

FL #46082

 Sealed 12-28-2023

drawing no.
23-64F
 sheet 11 of 17

COMP MOUNT, SCISSOR MOUNT, INSTAFLASH MOUNT & ButyL-Foot MOUNT

ROOF MOUNTS DESIGN LOAD CAPACITY - PSF (PORTRAIT MODULES)

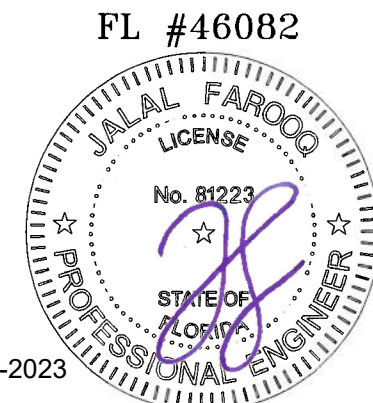
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS				ROOF SLOPES UP TO 7°				ROOF SLOPES 8° TO 20°				ROOF SLOPES 21° TO 27°				ROOF SLOPES 28° TO 45°			
			COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT
69"	3"	16"	44.3	22.3	43.0	22.1	41.9	21.1	42.3	21.9	37.4	18.8	40.9	21.3	35.0	17.5	40.1	20.9	29.4	14.3	38.1	19.7
		24"	44.3	22.3	43.0	22.1	41.9	21.1	42.3	21.9	37.4	18.8	40.9	21.3	35.0	17.5	40.1	20.9	29.4	14.3	38.1	19.7
		32"	44.3	22.3	43.0	22.1	41.9	21.1	42.3	21.9	37.4	18.8	40.9	21.3	35.0	17.5	40.1	20.9	29.4	14.3	38.1	19.7
		48"	37.6	19.2	36.5	19.1	35.2	18.0	35.8	18.9	30.7	15.7	34.4	18.3	28.3	14.4	33.6	17.9	22.6	11.3	31.6	16.7
		64"	37.6	19.2	36.5	19.1	35.2	18.0	35.8	18.9	30.7	15.7	34.4	18.3	28.3	14.4	33.6	17.9	22.6	11.3	31.6	16.7
	72"	37.6	19.2	36.5	19.1	35.2	18.0	35.8	18.9	30.7	15.7	34.4	18.3	28.3	14.4	33.6	17.9	22.6	11.3	31.6	16.7	
	11"	16"	39.4	20.0	38.2	19.9	37.0	18.8	37.5	19.7	32.5	16.5	36.2	19.1	30.1	15.3	35.4	18.7	24.4	12.1	33.3	17.5
		24"	39.4	20.0	38.2	19.9	37.0	18.8	37.5	19.7	32.5	16.5	36.2	19.1	30.1	15.3	35.4	18.7	24.4	12.1	33.3	17.5
		32"	39.4	20.0	38.2	19.9	37.0	18.8	37.5	19.7	32.5	16.5	36.2	19.1	30.1	15.3	35.4	18.7	24.4	12.1	33.3	17.5
		48"	33.5	17.4	32.5	17.3	31.1	16.2	31.8	17.0	26.6	13.8	30.4	16.4	24.2	12.6	29.7	16.0	18.5	-	27.6	14.9
		64"	33.5	17.4	32.5	17.3	31.1	16.2	31.8	17.0	26.6	13.8	30.4	16.4	24.2	12.6	29.7	16.0	18.5	-	27.6	14.9
	72"	33.5	17.4	32.5	17.3	31.1	16.2	31.8	17.0	26.6	13.8	30.4	16.4	24.2	12.6	29.7	16.0	18.5	-	27.6	14.9	
	20"	16"	33.8	17.5	32.8	17.4	31.4	16.3	32.2	17.2	26.9	14.0	30.8	16.6	24.5	12.7	30.0	16.2	18.9	-	27.9	15.0
		24"	33.8	17.5	32.8	17.4	31.4	16.3	32.2	17.2	26.9	14.0	30.8	16.6	24.5	12.7	30.0	16.2	18.9	-	27.9	15.0
		32"	33.8	17.5	32.8	17.4	31.4	16.3	32.2	17.2	26.9	14.0	30.8	16.6	24.5	12.7	30.0	16.2	18.9	-	27.9	15.0
48"		28.8	15.3	28.0	15.2	26.4	14.1	27.4	14.9	22.0	11.8	26.0	14.4	19.6	10.5	25.2	14.0	13.9	-	23.1	12.8	
64"		28.8	15.3	28.0	15.2	26.4	14.1	27.4	14.9	22.0	11.8	26.0	14.4	19.6	10.5	25.2	14.0	13.9	-	23.1	12.8	
72"	28.8	15.3	28.0	15.2	26.4	14.1	27.4	14.9	22.0	11.8	26.0	14.4	19.6	10.5	25.2	14.0	13.9	-	23.1	12.8		
75.7"	3"	16"	40.7	20.6	39.5	20.5	38.3	19.5	38.9	20.3	33.8	17.1	37.5	19.7	31.5	15.9	36.7	19.3	25.8	12.7	34.6	18.1
		24"	40.7	20.6	39.5	20.5	38.3	19.5	38.9	20.3	33.8	17.1	37.5	19.7	31.5	15.9	36.7	19.3	25.8	12.7	34.6	18.1
		32"	40.7	20.6	39.5	20.5	38.3	19.5	38.9	20.3	33.8	17.1	37.5	19.7	31.5	15.9	36.7	19.3	25.8	12.7	34.6	18.1
		48"	34.6	17.9	33.6	17.8	32.2	16.7	32.9	17.5	27.7	14.4	31.6	16.9	25.3	13.1	30.8	16.6	19.7	-	28.7	15.4
		64"	34.6	17.9	33.6	17.8	32.2	16.7	32.9	17.5	27.7	14.4	31.6	16.9	25.3	13.1	30.8	16.6	19.7	-	28.7	15.4
	72"	34.6	17.9	33.6	17.8	32.2	16.7	32.9	17.5	27.7	14.4	31.6	16.9	25.3	13.1	30.8	16.6	19.7	-	28.7	15.4	
	12"	16"	36.2	18.6	35.2	18.5	33.8	17.4	34.5	18.3	29.3	15.1	33.1	17.7	27.0	13.8	32.3	17.3	21.3	10.7	30.3	16.1
		24"	36.2	18.6	35.2	18.5	33.8	17.4	34.5	18.3	29.3	15.1	33.1	17.7	27.0	13.8	32.3	17.3	21.3	10.7	30.3	16.1
		32"	36.2	18.6	35.2	18.5	33.8	17.4	34.5	18.3	29.3	15.1	33.1	17.7	27.0	13.8	32.3	17.3	21.3	10.7	30.3	16.1
		48"	30.9	16.2	30.0	16.1	28.5	15.0	29.3	15.9	24.0	12.7	27.9	15.3	21.6	11.4	27.1	14.9	15.9	-	25.1	13.7
		64"	30.9	16.2	30.0	16.1	28.5	15.0	29.3	15.9	24.0	12.7	27.9	15.3	21.6	11.4	27.1	14.9	15.9	-	25.1	13.7
	72"	30.9	16.2	30.0	16.1	28.5	15.0	29.3	15.9	24.0	12.7	27.9	15.3	21.6	11.4	27.1	14.9	15.9	-	25.1	13.7	
	22"	16"	31.2	16.3	30.3	16.2	28.8	15.1	29.6	16.0	24.3	12.8	28.2	15.4	21.9	11.5	27.4	15.0	16.2	-	25.4	13.8
		24"	31.2	16.3	30.3	16.2	28.8	15.1	29.6	16.0	24.3	12.8	28.2	15.4	21.9	11.5	27.4	15.0	16.2	-	25.4	13.8
		32"	31.2	16.3	30.3	16.2	28.8	15.1	29.6	16.0	24.3	12.8	28.2	15.4	21.9	11.5	27.4	15.0	16.2	-	25.4	13.8
48"		26.6	14.3	25.9	14.2	24.2	13.1	25.2	14.0	19.8	10.8	23.9	13.4	17.4	-	23.1	13.0	11.7	-	21.0	11.8	
64"		26.6	14.3	25.9	14.2	24.2	13.1	25.2	14.0	19.8	10.8	23.9	13.4	17.4	-	23.1	13.0	11.7	-	21.0	11.8	
72"	26.6	14.3	25.9	14.2	24.2	13.1	25.2	14.0	19.8	10.8	23.9	13.4	17.4	-	23.1	13.0	11.7	-	21.0	11.8		

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

SEE SHEET 14 FOR COMP MOUNT INSTALLATION
 SEE SHEET 15 FOR SCISSOR MOUNT INSTALLATION
 SEE SHEET 16 FOR INSTAFLASH MOUNT INSTALLATION
 SEE SHEET 17 FOR ButyL-Foot MOUNT INSTALLATION

LOADS SHOWN IN CHARTS ABOVE ARE FOR 60 CELLS PANEL (40.9" X 69")
 AND 72 CELLS PANEL (40.9" X 75.7").

Sealed 12-28-2023



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 WWW.AFCENG.COM
 SOLAR - RACK \23-64F-PS
 FBPE #3538

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797 www.pegasussolar.com

revisions:	no.	date	by	description
date:	12-22-23			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	23-64F			
sheet	12 of 17			

COMP MOUNT, SCISSOR MOUNT, INSTAFLASH MOUNT & ButyL-Foot MOUNT

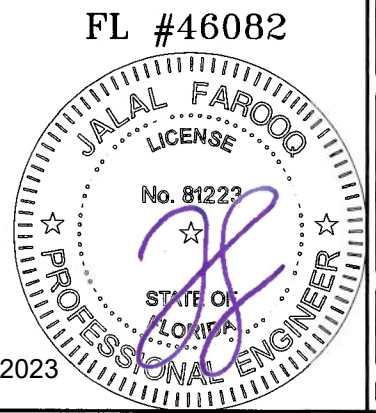
ROOF MOUNTS DESIGN LOAD CAPACITY - PSF (LANDSCAPE MODULES)																						
PANEL LENGTH	PANEL OVERHANG	SPAN 'L'	FLAT ROOFS				ROOF SLOPES UP TO 7°				ROOF SLOPES 8° TO 20°				ROOF SLOPES 21° TO 27°				ROOF SLOPES 28° TO 45°			
			COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT	COMP MOUNT	SCISSOR MOUNT	INSTAFLASH MOUNT	ButyL-Foot MOUNT
69"	3"	16"	43.7	22.0	42.4	21.9	41.3	20.8	41.7	21.6	36.8	18.5	40.4	21.0	34.4	17.2	39.6	20.7	28.8	14.1	37.5	19.5
		24"	43.7	22.0	42.4	21.9	41.3	20.8	41.7	21.6	36.8	18.5	40.4	21.0	34.4	17.2	39.6	20.7	28.8	14.1	37.5	19.5
		32"	43.7	22.0	42.4	21.9	41.3	20.8	41.7	21.6	36.8	18.5	40.4	21.0	34.4	17.2	39.6	20.7	28.8	14.1	37.5	19.5
		48"	43.7	22.0	42.4	21.9	41.3	20.8	41.7	21.6	36.8	18.5	40.4	21.0	34.4	17.2	39.6	20.7	28.8	14.1	37.5	19.5
		64"	37.1	19.0	36.0	18.9	34.7	17.8	35.3	18.7	30.2	15.5	34.0	18.1	27.8	14.2	33.2	17.7	22.2	11.1	31.1	16.5
		72"	37.1	19.0	36.0	18.9	34.7	17.8	35.3	18.7	30.2	15.5	34.0	18.1	27.8	14.2	33.2	17.7	22.2	11.1	31.1	16.5
	6-1/2"	16"	40.5	20.5	39.3	20.4	38.1	19.3	38.6	20.2	33.6	17.0	37.2	19.6	31.2	15.8	36.4	19.2	25.5	12.6	34.4	18.0
		24"	40.5	20.5	39.3	20.4	38.1	19.3	38.6	20.2	33.6	17.0	37.2	19.6	31.2	15.8	36.4	19.2	25.5	12.6	34.4	18.0
		32"	40.5	20.5	39.3	20.4	38.1	19.3	38.6	20.2	33.6	17.0	37.2	19.6	31.2	15.8	36.4	19.2	25.5	12.6	34.4	18.0
		48"	40.5	20.5	39.3	20.4	38.1	19.3	38.6	20.2	33.6	17.0	37.2	19.6	31.2	15.8	36.4	19.2	25.5	12.6	34.4	18.0
		64"	34.4	17.8	33.4	17.7	32.0	16.6	32.7	17.4	27.5	14.3	31.3	16.8	25.1	13.0	30.6	16.5	19.5	-	28.5	15.3
		72"	34.4	17.8	33.4	17.7	32.0	16.6	32.7	17.4	27.5	14.3	31.3	16.8	25.1	13.0	30.6	16.5	19.5	-	28.5	15.3
	12"	16"	34.3	17.7	33.3	17.6	31.9	16.5	32.6	17.4	27.4	14.2	31.2	16.8	25.0	13.0	30.4	16.4	19.4	-	28.4	15.2
		24"	34.3	17.7	33.3	17.6	31.9	16.5	32.6	17.4	27.4	14.2	31.2	16.8	25.0	13.0	30.4	16.4	19.4	-	28.4	15.2
		32"	34.3	17.7	33.3	17.6	31.9	16.5	32.6	17.4	27.4	14.2	31.2	16.8	25.0	13.0	30.4	16.4	19.4	-	28.4	15.2
		48"	34.3	17.7	33.3	17.6	31.9	16.5	32.6	17.4	27.4	14.2	31.2	16.8	25.0	13.0	30.4	16.4	19.4	-	28.4	15.2
		64"	29.2	15.4	28.4	15.4	26.8	14.2	27.7	15.1	22.3	11.9	26.4	14.5	20.0	10.7	25.6	14.1	14.3	-	23.5	13.0
		72"	29.2	15.4	28.4	15.4	26.8	14.2	27.7	15.1	22.3	11.9	26.4	14.5	20.0	10.7	25.6	14.1	14.3	-	23.5	13.0
75.7"	3"	16"	40.2	20.4	39.0	20.3	37.8	19.2	38.3	20.1	33.3	16.9	37.0	19.5	30.9	15.6	36.2	19.1	25.3	12.5	34.1	17.9
		24"	40.2	20.4	39.0	20.3	37.8	19.2	38.3	20.1	33.3	16.9	37.0	19.5	30.9	15.6	36.2	19.1	25.3	12.5	34.1	17.9
		32"	40.2	20.4	39.0	20.3	37.8	19.2	38.3	20.1	33.3	16.9	37.0	19.5	30.9	15.6	36.2	19.1	25.3	12.5	34.1	17.9
		48"	40.2	20.4	39.0	20.3	37.8	19.2	38.3	20.1	33.3	16.9	37.0	19.5	30.9	15.6	36.2	19.1	25.3	12.5	34.1	17.9
		64"	40.2	20.4	39.0	20.3	37.8	19.2	38.3	20.1	33.3	16.9	37.0	19.5	30.9	15.6	36.2	19.1	25.3	12.5	34.1	17.9
		72"	34.2	17.7	33.2	17.6	31.8	16.5	32.5	17.3	27.3	14.2	31.1	16.7	24.9	12.9	30.3	16.4	19.2	-	28.3	15.2
	6-1/2"	16"	37.2	19.1	36.2	19.0	34.8	17.9	35.5	18.7	30.3	15.6	34.1	18.1	28.0	14.3	33.3	17.7	22.3	11.1	31.2	16.6
		24"	37.2	19.1	36.2	19.0	34.8	17.9	35.5	18.7	30.3	15.6	34.1	18.1	28.0	14.3	33.3	17.7	22.3	11.1	31.2	16.6
		32"	37.2	19.1	36.2	19.0	34.8	17.9	35.5	18.7	30.3	15.6	34.1	18.1	28.0	14.3	33.3	17.7	22.3	11.1	31.2	16.6
		48"	37.2	19.1	36.2	19.0	34.8	17.9	35.5	18.7	30.3	15.6	34.1	18.1	28.0	14.3	33.3	17.7	22.3	11.1	31.2	16.6
		64"	37.2	19.1	36.2	19.0	34.8	17.9	35.5	18.7	30.3	15.6	34.1	18.1	28.0	14.3	33.3	17.7	22.3	11.1	31.2	16.6
		72"	31.7	16.6	30.8	16.5	29.3	15.4	30.1	16.2	24.8	13.0	28.7	15.6	22.4	11.8	27.9	15.2	16.8	-	25.9	14.1
	12"	16"	31.6	16.5	30.7	16.4	29.2	15.3	30.0	16.2	24.7	13.0	28.6	15.6	22.3	11.7	27.9	15.2	16.7	-	25.8	14.0
		24"	31.6	16.5	30.7	16.4	29.2	15.3	30.0	16.2	24.7	13.0	28.6	15.6	22.3	11.7	27.9	15.2	16.7	-	25.8	14.0
		32"	31.6	16.5	30.7	16.4	29.2	15.3	30.0	16.2	24.7	13.0	28.6	15.6	22.3	11.7	27.9	15.2	16.7	-	25.8	14.0
		48"	31.6	16.5	30.7	16.4	29.2	15.3	30.0	16.2	24.7	13.0	28.6	15.6	22.3	11.7	27.9	15.2	16.7	-	25.8	14.0
		64"	31.6	16.5	30.7	16.4	29.2	15.3	30.0	16.2	24.7	13.0	28.6	15.6	22.3	11.7	27.9	15.2	16.7	-	25.8	14.0
		72"	27.0	14.4	26.3	14.4	24.6	13.2	25.6	14.1	20.1	10.9	24.2	13.5	17.7	-	23.4	13.1	12.1	-	21.3	12.0

LIMIT MAXIMUM POSITIVE(+) LOADS TO 36.7 PSF

SEE SHEET 14 FOR COMP MOUNT INSTALLATION
 SEE SHEET 15 FOR SCISSOR MOUNT INSTALLATION
 SEE SHEET 16 FOR INSTAFLASH MOUNT INSTALLATION
 SEE SHEET 17 FOR ButyL-Foot MOUNT INSTALLATION

LOADS SHOWN IN CHARTS ABOVE ARE FOR 60 CELLS PANEL (40.9" X 69")
 AND 72 CELLS PANEL (40.9" X 75.7").

Sealed 12-28-2023

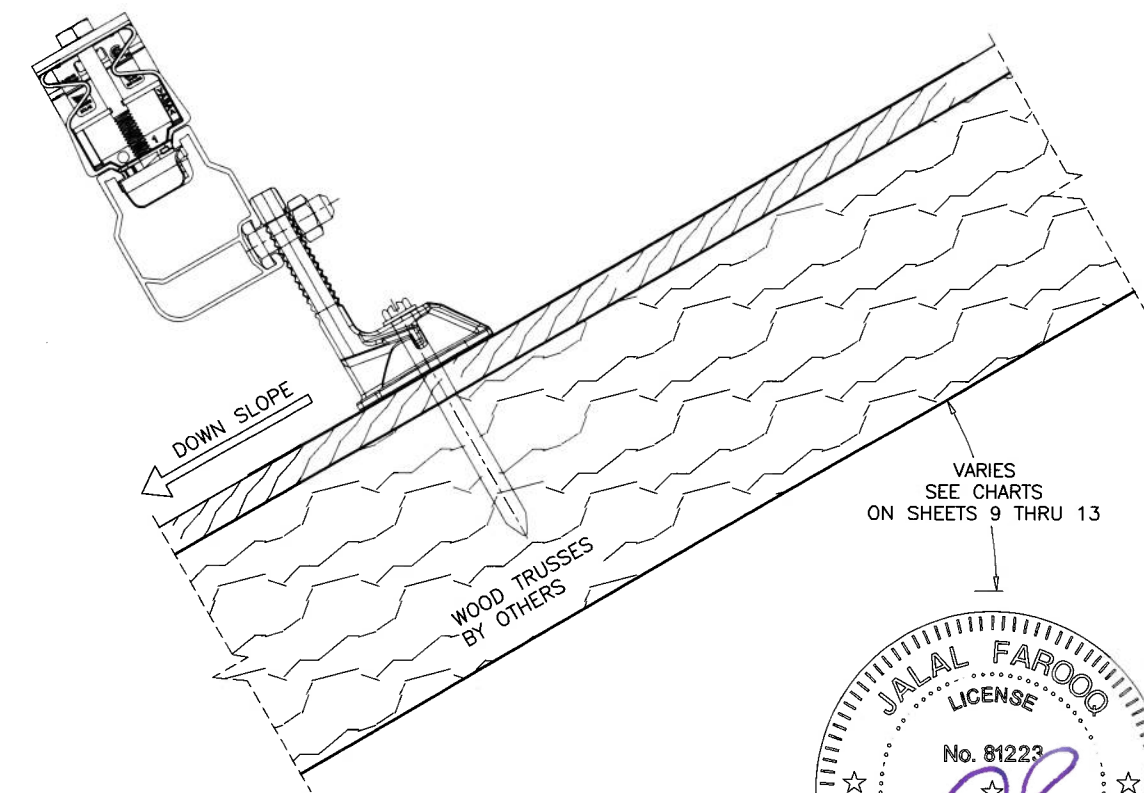
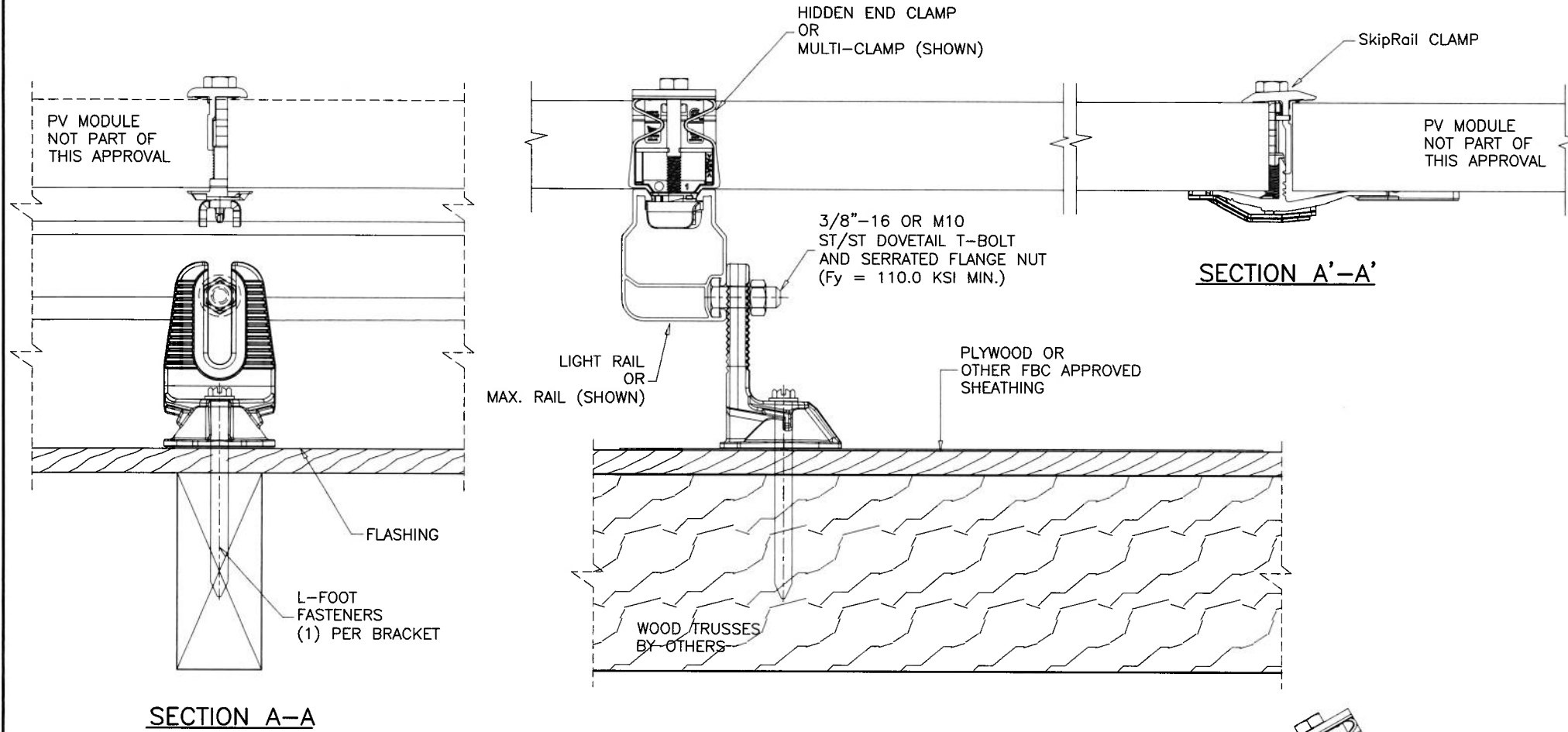


af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK-23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no.	date	by	description
date:	12-22-23			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	23-64F			
sheet	13 of 17			

COMP MOUNT GEN2 L-FOOT W/ SkipRail CLAMP

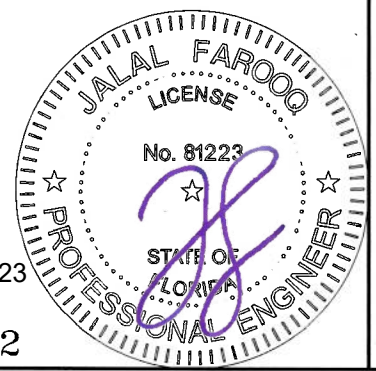


L-FOOT FASTENERS:

5/16" X 4-1/2" ST/ST LAG SCREWS (Fy = 65 KSI MIN.)
 2-1/2" MIN. THREAD PENETRATION INTO WOOD TRUSSES
 CENTERED AT WOOD TRUSSES (SG = 0.50 MIN.)

WIND LOAD UPLIFT RESISTANCE (PERPENDICULAR TO ROOF) = 806.7 Lbs MAX.
 SHEAR RESISTANCE (PERPENDICULAR TO RAFTER) = 165.9 Lbs MAX.

Sealed 12-28-2023
 FL #46082



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK 23-64F-PS

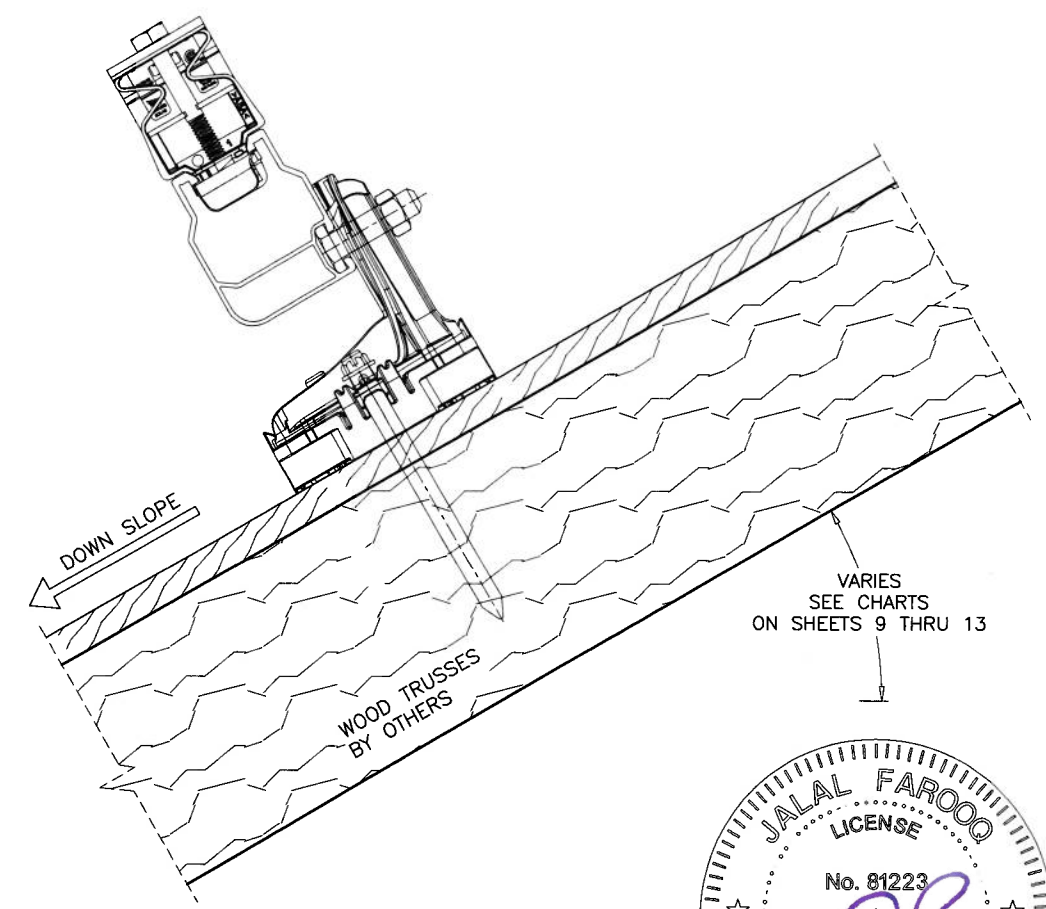
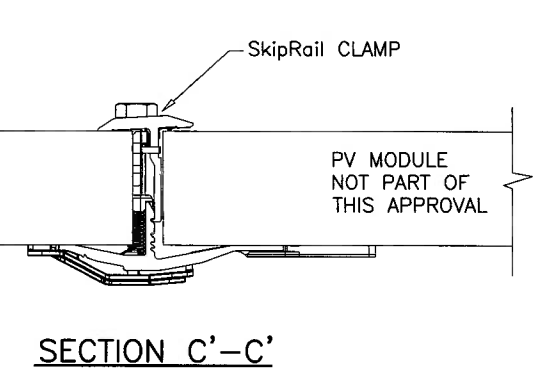
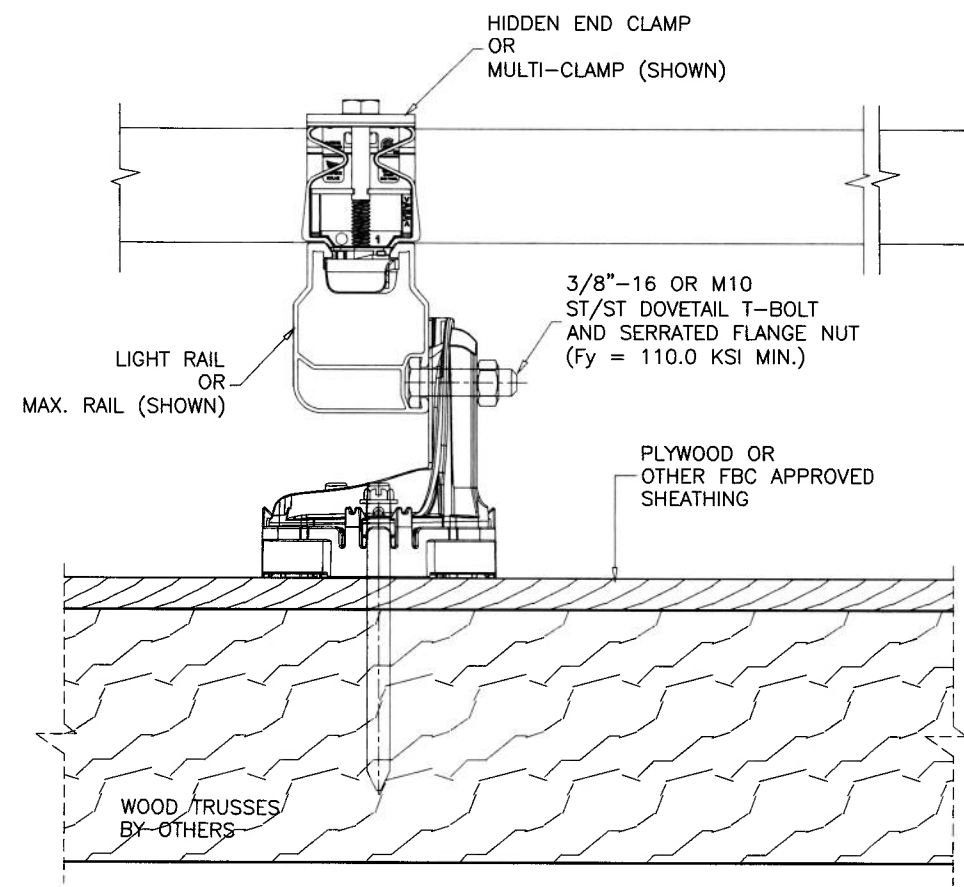
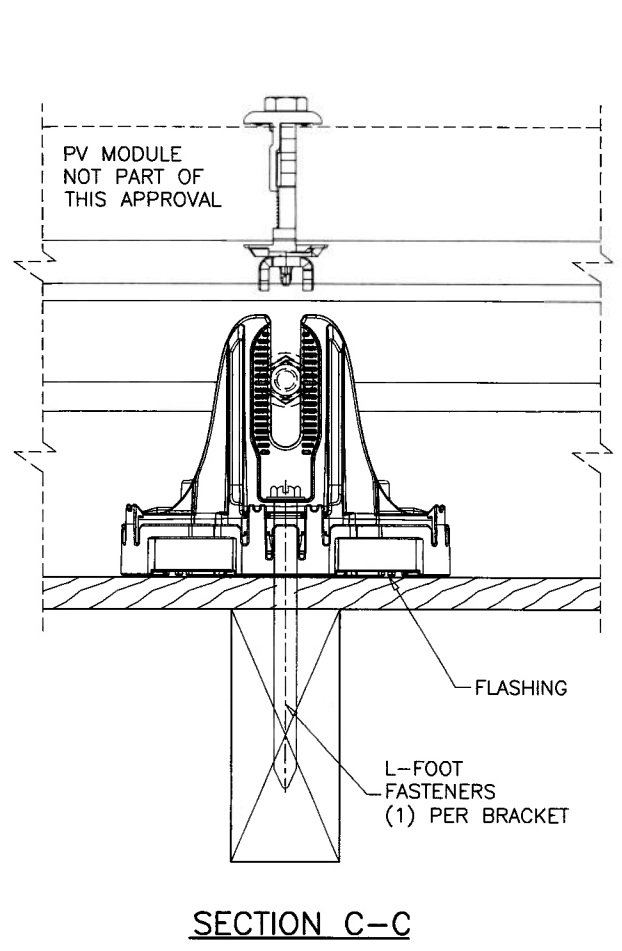
ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no.	date	by	description

date: 12-22-23
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

drawing no.
23-64F
 sheet 14 of 17

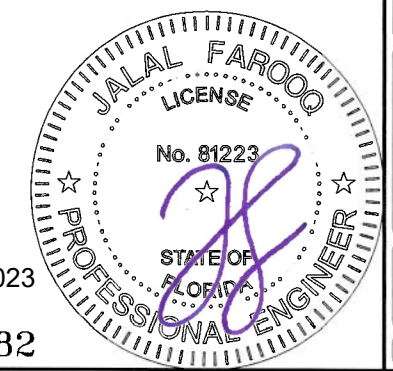
INSTAFLASH MOUNT W/ SkipRail CLAMP



INSTAFLASH MOUNT FASTENERS:
5/16" X 4" ST/ST LAG SCREWS (Fy = 65 KSI MIN.)
 2-1/2" MIN. THREAD PENETRATION INTO WOOD TRUSSES
 CENTERED AT WOOD TRUSSES (SG = 0.50 MIN.)

WIND LOAD UPLIFT RESISTANCE (PERPENDICULAR TO ROOF) = 780.5 Lbs MAX.
 SHEAR RESISTANCE (PERPENDICULAR TO RAFTER) = 587.7 Lbs MAX.

Sealed 12-28-2023
 FL #46082



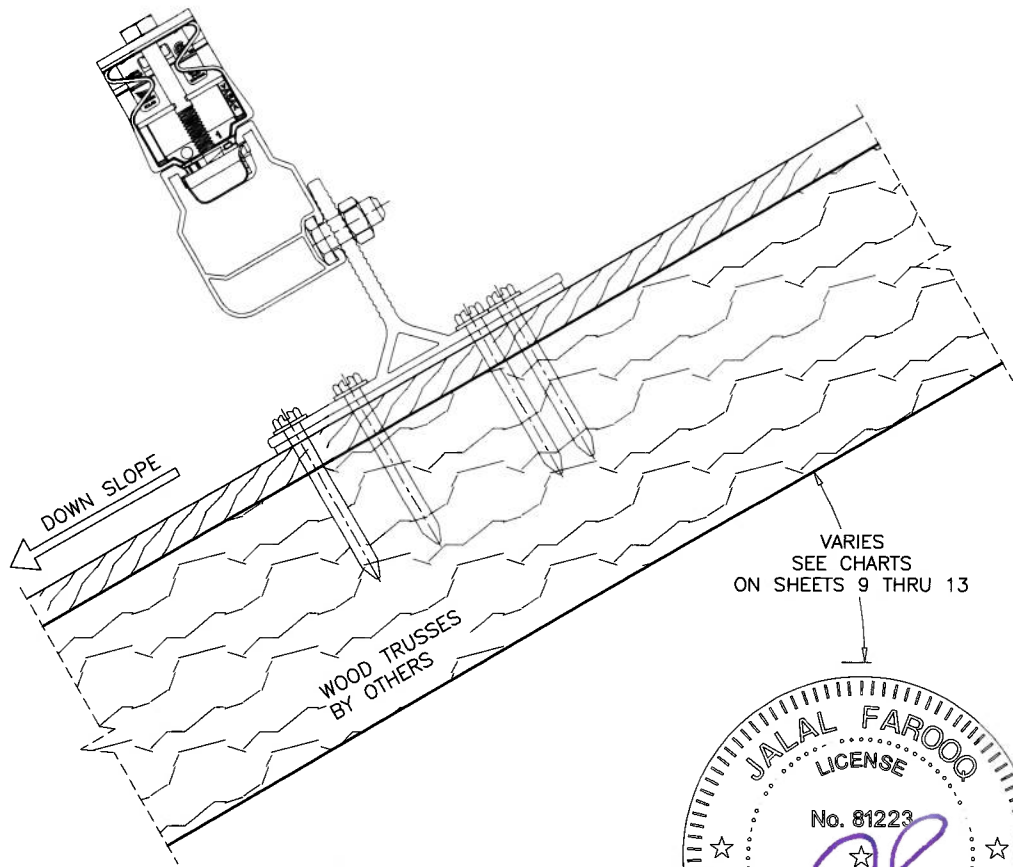
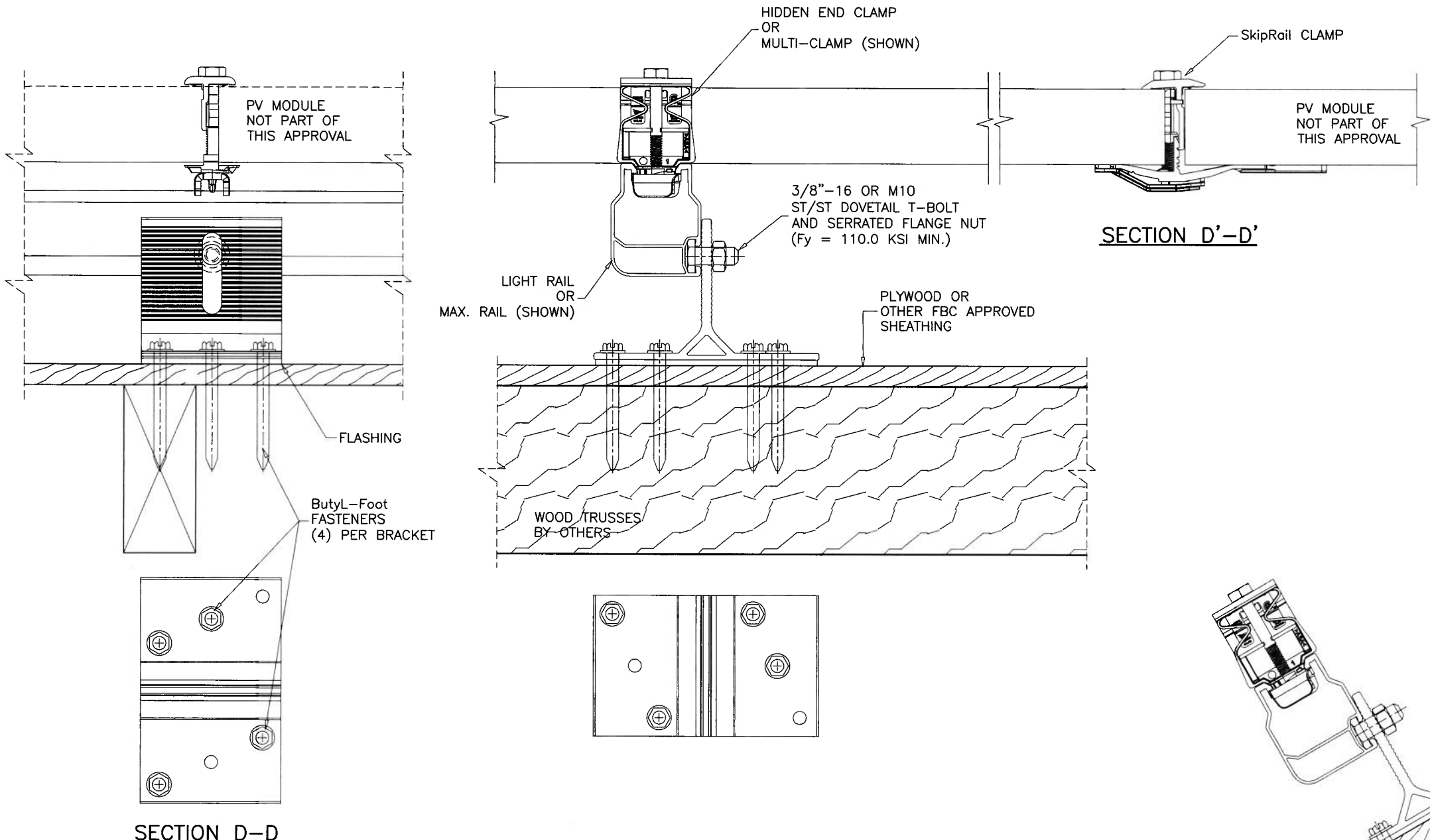
af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 FBPE #3538
 WWW.AFCENG.COM
 SOLAR-RACK\23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no	date	by	description

date: 12-22-23
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:
 drawing no.
23-64F
 sheet 16 of 17

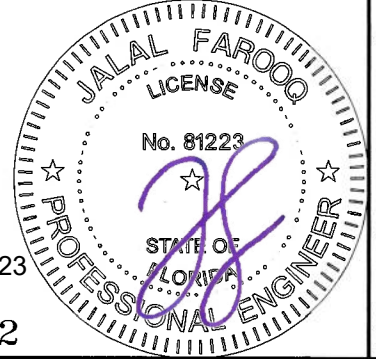
ButyL-Foot MOUNT W/ SkipRail CLAMP



ButyL-Foot MOUNT FASTENERS:
#14 X 60MM WOOD SCREWS (Fy = 65 KSI MIN.)
 1-1/2" MIN. THREAD PENETRATION INTO WOOD TRUSSES
 (2) CENTERED AT WOOD TRUSSES (SG = 0.50 MIN.)
 (2) IN ADJACENT HOLES SEE DETAIL ABOVE

WIND LOAD UPLIFT RESISTANCE (PERPENDICULAR TO ROOF) = 363.4 Lbs MAX.
 SHEAR RESISTANCE (PERPENDICULAR TO RAFTER) = 830.2 Lbs MAX.

Sealed 12-28-2023
 FL #46082



af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100
 WWW.AFCENG.COM
 FBPE #3538
 SOLAR-RACK \23-64F-PS

ROOF TOP PV MOUNTING SYS. WITH SkipRail CLAMP
Pegasus Solar Inc.
 506 West Ohio Avenue
 Richmond CA. 94804
 Phone: (510) 210-3797
 www.pegasussolar.com

revisions:	no	date	by	description

date: 12-22-23
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:
 drawing no.
23-64F
 sheet 17 of 17