

OVERHANG AS PER PANEL MANUFACTURER'S INSTRUCTIONS. SHOULD BE EQUAL ON BOTH SIDES OF PANELS.

		DESIG			Y - PS	•		MODULES	S)		
			ι	JP TO 8	0" PANI	EL LENG	THS				
		FLAT ROOFS		ROOF SLOPES UP TO 7°		ROOF SLOPES 8° TO 20°		ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
NUMBER OF RAILS	SPAN `L'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'		ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR
	16"	230.3	247.8	229.6	247.2	228.2	245.8	227.3	245.0	225.2	243.0
	24"	154.9	166.6	154.2	165.9	152.7	164.5	151.9	163.8	149.7	161.7
	32"	117.2	125.9	116.5	125.3	115.0	123.9	114.2	123.1	112.0	121.1
2	48"	79.4	85.3	78.7	84.6	77.3	83.3	76.5	82.5	74.3	80.4
	64"	60.6	65.0	59.9	64.3	58.4	62.9	57.6	62.2	55.4	60.1
	72"	54.3	58.2	53.6	57.5	52.1	56.2	51.3	55.4	49.1	53.3
	16"	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0	250.0
	24"	209.3	225.2	208.6	224.5	207.1	223.1	206.3	222.4	204.1	220.3
	32"	158.0	169.9	157.3	169.2	155.8	167.9	155.0	167.1	152.8	165.0
3	48"	106.6	114.6	105.9	113.9	104.5	112.6	103.7	111.8	101.5	109.7
	64"	81.0	86.9	80.3	86.3	78.8	84.9	78.0	84.1	75.8	82.1
	72"	72.4	77.7	71.7	77.1	70.3	75.7	69.4	74.9	67.3	72.9

LOADS SHOWN IN CHARTS ABOVE ARE FOR PANEL WIDTHS UP TO 40" FOR WIDER PANEL WIDTHS (41" TO 48"), DETERMINE DESIGN LOADS AS FOLLOWS

> LOAD FROM CHART X 40 DESIGN LOAD = NEW PANEL WIDTH

RT-MINI II ROOF TOP PV MOUNTING SYSTEM

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2020 (7TH 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 APPROVED 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.

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

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)'.

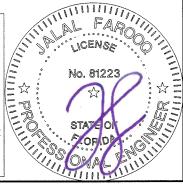
SOLAR PANELS TO BE INSTALLED PARALLEL TO THE ROOF SURFACE WITH A TOLERANCE OF 2 DEGREES.

PV PANELS NOT PART OF THIS APPROVAL. FOR PANEL DETAILS, GENERAL NOTES, COMPONENT SIZES, PANEL RAIL CONNECTION TO RT-MINI II AND INSTALLATION REQUIREMENTS/LIMITATIONS SEE CORRESPONDING FLA. APPROVAL DWGS.

- 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.
- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

4/20/2021

FL #38617



L-FAROOQ CORPORATION
IGINEERS & PRODUCT DEVELOPMENT
ISO SUNSET DRIVE, SUITE 220
AMI, FLORIDA 33173 (C.A.N. 3538) .VL. 220 (C.A.N. 3: ~05) 262-€ TEL. (305) SYSTEM MOUNTING 230 Suite \leq Inc. Street S . 92131 -6064 TOP Roof Tech Ir 10620 Treena S San Diego, CA. Phone: (858) 935-60 ROOF = Z N N R 2 date e e 0

by:

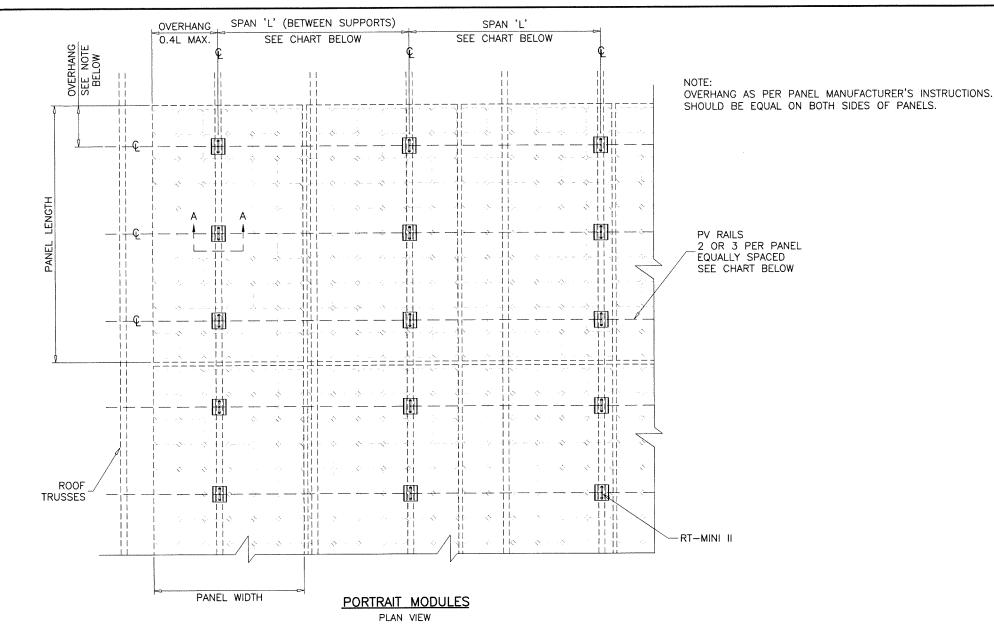
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drawing

21 - 27F

sheet 1 of 3



		DESIG				SF (POR		ODULES)		
		ROOF		ROOF	ROOF SLOPES ROOF		SLOPES 20°	ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
NUMBER OF RAILS	SPAN 'L'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	1	ANCHOR TYPE 'A'		ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'
	16"	137.1	147.4	136.4	146.8	135.0	145.4	134.1	144.6	132.0	142.6
	24"	92.8	99.6	92.0	99.0	90.6	97.6	89.8	96.8	87.6	94.8
	32"	70.6	75.7	69.9	75.1	68.4	73.7	67.6	72.9	65.4	70.9
2	48"	48.4	51.8	47.7	51.1	46.2	49.8	45.4	49.0	43.2	47.0
	64"	37.3	39.9	36.6	39.2	35.1	37.8	34.3	37.1	32.1	35.0
	72"	33.6	35.9	32.9	35.2	31.4	33.8	30.6	33.1	28.4	31.0
_	16"	175.5	188.7	174.8	188.1	173.3	186.7	172.5	185.9	170.3	183.9
	24"	118.3	127.2	117.6	126.5	116.1	125.1	115.3	124.3	113.2	122.3
_	32"	89.7	96.4	89.0	95.7	87.6	94.3	86.7	93.6	84.6	91.5
3	48"	61.2	65.6	60.4	64.9	59.0	63.6	58.2	62.8	56.0	60.7
	64"	46.9	50.2	46.2	49.5	44.7	48.2	43.9	47.4	41.7	45.3
	72"	42.1	45.1	41.4	44.4	39.9	43.0	39.1	42.2	36.9	40.2

LOADS SHOWN	IN CHARTS ABOV	E ARE FOR	PANEL LENGTHS UP TO 68"
FOR SHORTER	PANEL LENGHTS,	DETERMINE	DESIGN LOADS AS FOLLOWS

DESIGN LOAD =

LOAD FROM CHART X 68

NEW PANEL LENGTH

		DESIG			TY - PS 0" PANI			ODULES)			
		FLAT	FLAT ROOFS		ROOF SLOPES UP TO 7°		ROOF SLOPES 8° TO 20°		ROOF SLOPES 21° TO 27°		ROOF SLOPES 28° TO 45°	
NUMBER OF RAILS	SPAN 'L'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR TYPE 'B'	ANCHOR TYPE 'A'	ANCHOR	
	16"	117.2	125.9	116.5	125.3	115.0	123.9	114.2	123.1	112.0	121.1	
	24"	79.4	85.3	78.7	84.6	77.3	83.3	76.5	82.5	74.3	80.4	
	32"	60.6	65.0	59.9	64.3	58.4	62.9	57.6	62.2	55.4	60.1	
2	48"	41.7	44.6	41.0	44.0	39.6	42.6	38.7	41.8	36.6	39.8	
	64"	32.3	34.5	31.6	33.8	30.1	32.5	29.3	31.7	27.1	29.6	
	72"	29.1	31.1	28.4	30.4	27.0	29.1	26.2	28.3	24.0	26.2	
	16"	134.1	144.1	133.4	143.5	131.9	142.1	131.1	141.3	128.9	139.3	
	24"	90.7	97.4	90.0	96.8	88.6	95.4	87.7	94.6	85.6	92.6	
_	32"	69.0	74.1	68.3	73.4	66.9	72.0	66.0	71.3	63.9	ANCHOR TYPE 'E 121.1 80.4 60.1 39.8 29.6 26.2 139.3	
3	48"	47.4	50.7	46.6	50.0	45.2	48.7	44.4	47.9	42.2	45.9	
	64"	36.5	39.0	35.8	38.4	34.4	37.0	33.5	36.2	31.4	34.2	
	72"	32.9	35.1	32.2	34.5	30.7	33.1	29.9	32.3	27.8	30.3	

LOADS SHOWN IN CHARTS ABOVE ARE FOR PANEL LENGTHS UP TO 80" FOR SHORTER PANEL LENGHTS (68" TO 80"), DETERMINE DESIGN LOADS AS FOLLOWS

DESIGN LOAD =

4/20/2021 FL #38617 No. 81223	
STATE OF STA	

revisions: no date by description by:

 AL-FAROOQ CORPORATION

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SYSTEM

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RT-MINI II ROOF TOP PV MOUNTING

dr. drawing no. 21-27F

sheet 2 of 3

LOAD FROM CHART X 80

NEW PANEL LENGTH

