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Pegasus Solar
100 West Ohio Avenue
Richmond, CA 94804

October 15, 2020

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Attn: Mr. Kai Stephan, CEO

**Subject: Pegasus Solar™ Open & Closed Slot L-Foot
Allowable Load and Maximum Spacing Tables**

SML Job No.: 182-15

Dear Mr. Stephan:

We have analyzed the Pegasus Solar™ Open & Closed Slot L-Foot roof mount systems and determined that, for the configurations and criteria described below, it is in compliance with the applicable sections of the following reference documents:

Codes: ASCE/SEI 7-16 Min. Design Loads for Buildings & Other Structures
International Building Code 2018 Edition
International Residential Building Code 2018 Editions

Other: Aluminum Design Manual, ADM-2015 Edition

This letter is to address the use, allowable loads and maximum spacing for the Pegasus Solar™ Open Slot & Closed Slot L-Foot as shown in diagrams LF1-LF4 below. We have reviewed the test data for the Closed Slot L-Foot prepared by Applied Materials & Engineering (AME), tested September 20, 2017, and for the Open Slot L-Foot prepared by Applied Materials & Engineering (AME), project no. 1190303C, dated May 8, 2019, as well as, typical loading and anchorage conditions for common rail type solar racking systems. We have determined that, subject to the limitations outlined below, the Pegasus Solar™ Open Slot & Closed Slot L-Foot systems are suitable for most rooftop solar racking systems.

The primary structural element of the mount is a standard 5/16" dia. by 4 1/2 inch long stainless steel lag screw. The lag screw is intended to be anchored into a timber roof joist or truss with a minimum embedment of 2 inches. The AME tests simulated this configuration using 1/2" structural I plywood and a 2x4 DF-L member. The AME report indicates the failure mode for the Pegasus Solar™ Open Slot L-Foot is the slippage of the M10 bolt for tension and fracture of the cast part for shear loading; while the failure mode for the Pegasus Solar™ Closed Slot L-Foot is the fracture of the cast part for both tension and shear.

Pegasus Solar™ Open Slot L-Foot:

The allowable load for pullout (uplift) and lateral shear for anchorage in Doug Fir timber with a specific gravity (G) of 0.50 and other woods with varying specific gravities are as follows:

Table 1. Pegasus Solar Open Slot L-Foot Allowable Capacities (1)			
Wood Species	NDS Assigned Specific Gravity (2)	Allowable Uplift Capacity (lb) (3)	Allowable Shear Capacity (lb) (3)
Douglas Fir, Larch	0.50	803	472
Douglas Fir, South	0.46	708	453
Hem, Fir	0.43	640	438
Hem, Fir (North)	0.46	708	453
Southern Pine	0.55	926	495
Spruce, Pine, Fir	0.42	618	434

(1) The minimum size rafter/truss top chord is 2x4.

(2) The listed specific gravity is per 2015 NDS Table 12.3.3A

(3) Values are based on securing lag bolt within center 1/3 of rafter/top chord width with a minimum 2.5" edge distance, and lateral loading direction down slope.

The values provided above, see table 1, were developed by taking the lowest of three tests divided by a factor of safety of 2.0 for bolt slippage and part fracture. These values do not include any additional increases or load factors, and it is up to the end user to determine any increases permissible by the code. The tension test load was applied at the top of the slot and the shear test load was applied at 3" above the bearing surface. Any adverse effects due to additional height or eccentricity of connected components shall be considered by the end user of this letter.

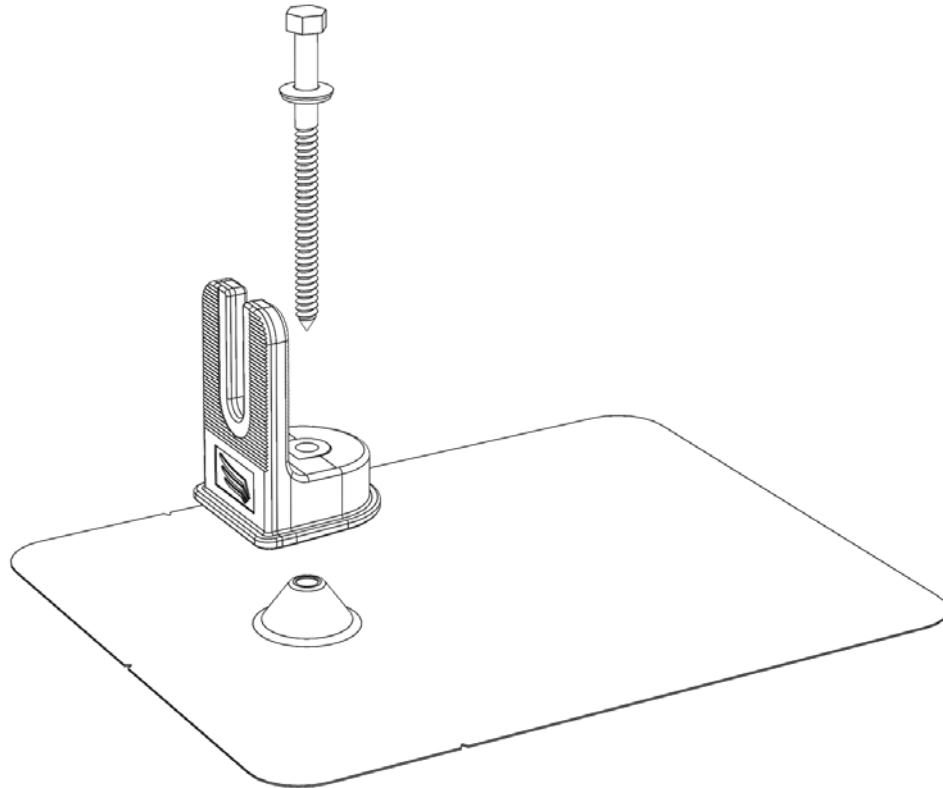


Diagram LF1: Pegasus Solar™ Open Slot L-Foot.

The Pegasus Solar™ Open Slot L-Foot as shown in diagram LF2 below mounted to the top of the Pegasus Tile Replace Mount is an acceptable installation and use of the L-Foot. When the Pegasus L-Foot is attached to the Pegasus Tile Replace Mount and not directly to the wood member, the Tile Replace Mount becomes the limiting factor in all directions. When installing in this manner refer to the “Pegasus Solar Tile Replace for Rails PE Certification Letter” for specific capacities.

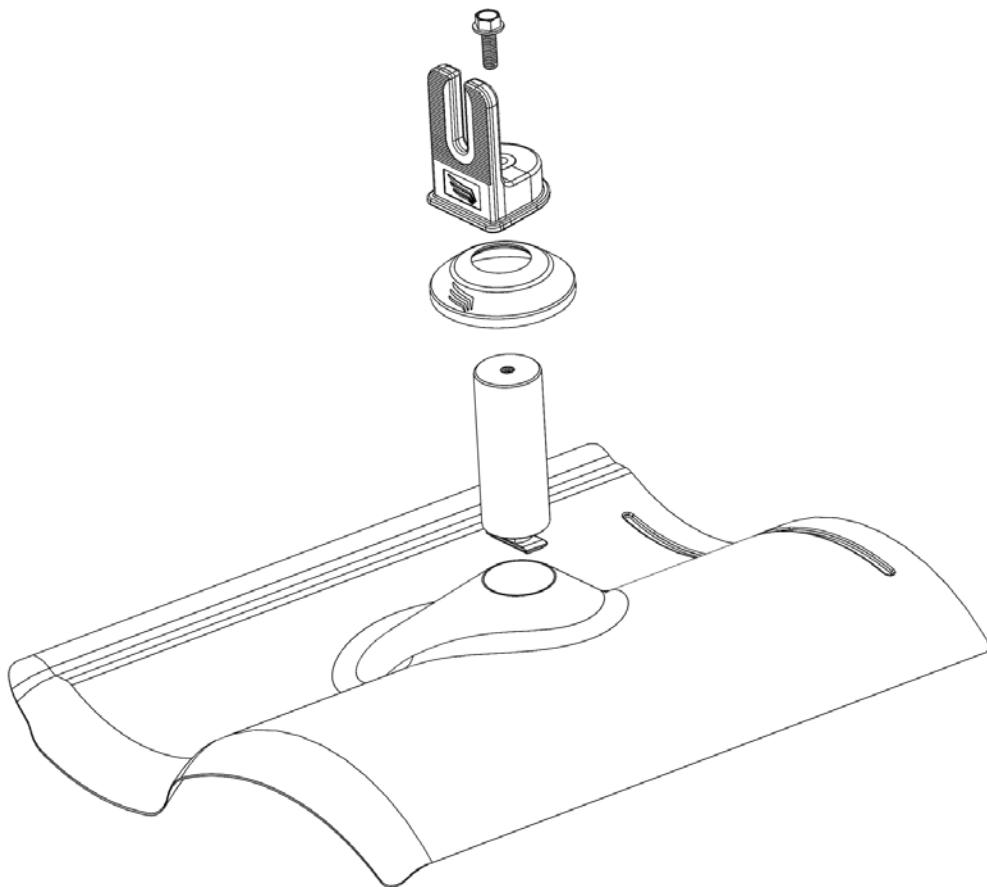


Diagram LF2: Pegasus Solar™ Open Slot L-Foot on Pegasus Tile Replace Mount.

Pegasus Solar™ Closed Slot L-Foot:

The allowable load for pullout (uplift) and lateral shear for anchorage in Doug Fir timber with a specific gravity (G) of 0.50 and other woods with varying specific gravities are as follows:

Table 2. Pegasus Solar Closed Slot L-Foot Allowable Capacities (1)			
Wood Species	NDS Assigned Specific Gravity (2)	Allowable Uplift Capacity (lb) (3)	Allowable Shear Capacity (lb) (3)
Douglas Fir, Larch	0.50	1254	472
Douglas Fir, South	0.46	1107	453
Hem, Fir	0.43	1000	438
Hem, Fir (North)	0.46	1107	453
Southern Pine	0.55	1447	495
Spruce, Pine, Fir	0.42	965	434

(1) The minimum size rafter/truss top chord is 2x4.

(2) The listed specific gravity is per 2015 NDS Table 12.3.3A

(3) Values are based on securing lag bolt within center 1/3 of rafter/top chord width with a minimum 2.5" edge distance, and lateral loading direction down slope.

The values provided above, see table 2, were developed by taking the lowest of three tests divided by a factor of safety of 2.0 for aluminum rupture failure. Additionally, there was a slight modification of the part to decrease the thickness of the vertical serrated portion of the L-Foot after the AME test was completed. This reduced section was accounted for by reducing the tested results by a factor equal to the new cross-sectional area divided by the original cross-sectional area. This resulted in a reduction of 11% from that determined by the AME test. These values do not include any additional increases or load factors, and it is up to the end user to determine any increases permissible by the code. The tension test load was applied at the top of the slotted hole and the shear test load was applied at 3" above the bearing surface (please note that the lower Open Slot shear allowable capacity has been presented in the above table for the Closed Slot shear allowable capacity, which is slightly conservative). Any adverse effects due to additional height or eccentricity of connected components shall be considered by the end user of this letter.

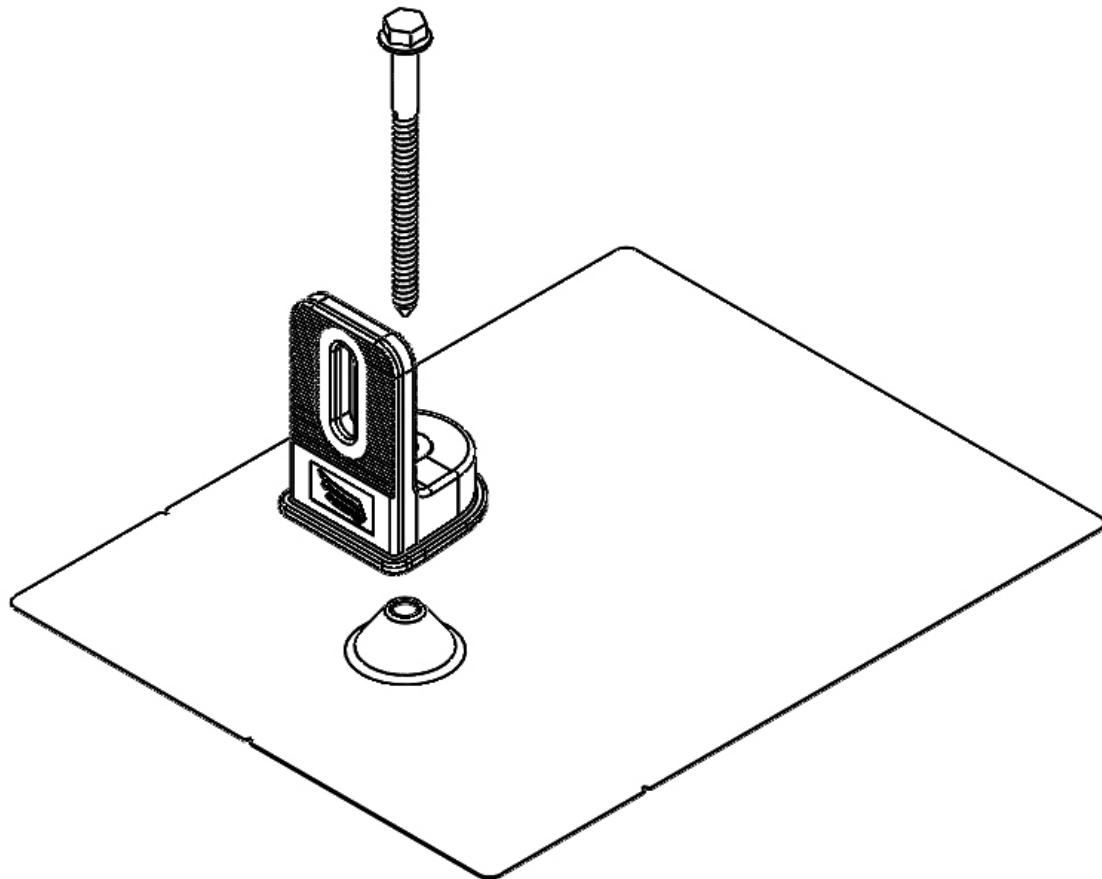


Diagram LF3: Pegasus Solar™ Closed Slot L-Foot.

The Pegasus Solar™ Closed Slot L-Foot as shown in diagram LF4 below mounted to the top of the Pegasus Tile Replace Mount is an acceptable installation and use of the L-Foot. When the Pegasus L-Foot is attached to the Pegasus Tile Replace Mount and not directly to the wood member, the Tile Replace Mount becomes the limiting factor in all directions. When installing in this manner refer to the “Pegasus Solar Tile Replace for Rails PE Certification Letter” for specific capacities.

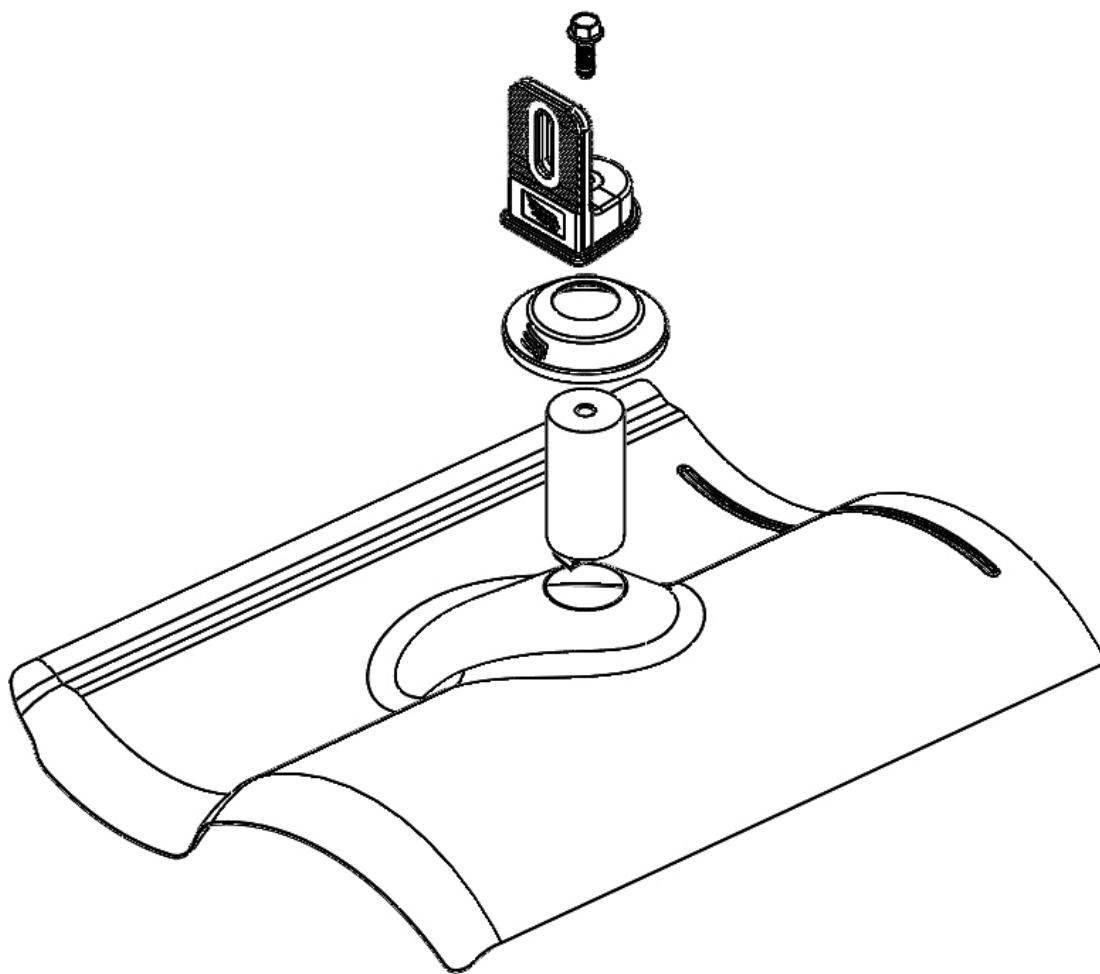


Diagram LF4: Pegasus Solar™ Closed Slot L-Foot on Pegasus Tile Replace Mount.

The following tables 3 through 6 show the maximum spacing for the Pegasus Solar™ Open and Closed Slot L-Foot, for gable and hip roof configurations, and applies for the installation of the lag screw in all wood species with a specific gravity (G) of 0.42 or higher.

Table 3
Maximum Spacing Tables

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Pegasus Solar - Open Slot L-Foot - Gable Roof - Flush Mount 30 to 60 Foot Roof - Portrait 60 Cell - Specific Gravity = 0.42																																														
Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180						
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3							
20	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	89	96	96	82	96	96	75	96	91	64	96	79	56	95	69	49	83	61	43	74	54	38	66	48	34					
			Array Edge	96	96	95	96	96	85	96	96	77	96	96	70	96	90	64	96	82	58	96	75	53	96	69	49	82	59	42	71	51	37	62	45	32	54	40	28	48	35	25	43	32	22	
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	77	96	85	71	96	79	65	96	68	56	89	59	49	78	51	43	69	45	38	61	40	33	55	36	30				
			Array Edge	96	96	82	96	89	74	96	81	67	96	73	61	96	67	55	93	61	51	85	56	47	79	52	43	68	45	37	59	39	32	51	34	33	27	36	24	20						
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	70	96	94	65	96	80	55	96	91	34	28	45	30	25	40	27	22	36	24	20					
			Array Edge	96	96	81	96	96	73	96	96	66	96	87	60	96	80	55	96	96	73	96	67	46	96	62	43	90	53	37	68	41	28	60	36	25	54	32	20							
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96				
			Array Edge	96	96	88	96	96	80	96	96	72	96	96	66	96	96	60	96	96	88	55	90	82	51	84	75	47	72	65	41	37	23	36	32	20	32	29	18	28	44	30	18	29	26	16
		0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96				
			Array Edge	96	96	70	96	89	63	96	81	57	96	73	52	92	67	47	84	61	72	52	37	66	48	34	61	44	32	52	38	27	45	33	23	39	29	21	35	25	18	31	23	20	14	
		7.1 to 20	Array Interior	96	96	80	96	87	72	96	79	65	96	71	59	96	65	54	91	60	50	83	55	46	77	51	42	66	43	36	57	38	31	50	33	27	44	29	24	39	26	22	35	23	19	
			Array Edge	96	74	61	96	66	55	91	60	50	83	55	45	76	50	41	69	46	38	64	42	35	59	39	32	50	33	28	44	29	24	38	25	21	34	22	18	15						
	D	20.1 to 27	Array Interior	96	96	91	96	96	82	96	96	75	96	96	68	96	96	72	96	96	91	59	96	71	49	96	66	54	96	60	42	88	52	36	76	45	31	59	35	24	52	31	21	47	28	19
			Array Edge	96	76	52	96	68	47	96	62	43	95	56	39	86	51	35	79	47	32	73	43	30	67	40	28	58	34	24	50	30	21	44	26	18	39	23	16	35	21	13				
		27.1 to 45	Array Interior	96	96	86	96	96	80	96	96	72	96	96	66	96	96	74	96	96	64	96	96	68	96	96	85	93	91	73	46	31	54	49	30	48	43	27	43	39	25	35	21			
			Array Edge	96	92	58	92	83	52	84	75	47	76	69	43	70	63	39	64	58	36	59	53	33	55	49	31	47	42	26	41	37	23	36	32	20	32	29	18	28	26	16	23	14		
25	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96		
			Array Edge	96	96	95	96	96	85	96	96	77	96	96	70	96	90	64	96	82	58	96	75	53	96	69	49	82	59	42																

Table 3
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Gable Roof - Flush Mount 30 to 60 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42																																															
Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180							
				Roof Area			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3								
0	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	69	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29				
			Array Edge	96	96	81	96	96	72	96	93	65	96	84	59	96	76	54	96	70	49	88	64	45	81	59	42	69	50	36	60	44	31	52	38	27	46	34	24	41	30	21	37	27	19		
		7.1 to 20	Array Interior	96	96	96	96	95	96	96	86	96	95	78	96	86	71	96	79	65	96	73	60	96	67	55	87	57	48	76	50	41	66	44	36	58	38	32	52	34	28	46	31	25			
			Array Edge	96	96	70	96	76	63	96	68	57	95	62	51	86	57	47	96	79	43	73	48	40	67	44	36	57	38	31	50	33	27	44	29	24	38	25	21	34	23	19	31	20	17		
		20.1 to 27	Array Interior	96	96	96	96	94	96	96	85	96	96	77	96	96	70	96	94	65	96	86	59	96	80	55	96	68	47	96	59	41	88	52	36	77	46	32	69	41	28	62	37	25			
			Array Edge	96	96	69	96	90	62	96	81	56	96	74	51	96	68	47	96	62	43	99	53	36	76	45	31	66	39	27	58	34	24	51	30	21	46	27	19	41	24	17					
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	92	96	96	84	96	96	77	96	96	70	96	96	65	96	92	83	96	72	45	70	63	40	62	56	35	56	50	31	50	45	28						
			Array Edge	96	96	75	96	96	68	96	96	61	96	89	56	91	82	51	93	75	47	77	69	43	71	64	40	61	55	35	54	48	30	47	42	26	40	36	22	35	31	19	33	30	19		
		0 to 7	Array Interior	96	96	92	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	69	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29				
			Array Edge	96	96	85	96	96	72	96	93	65	96	84	59	96	76	54	96	70	49	88	64	45	81	59	42	69	50	36	60	44	31	52	38	27	46	34	24	41	30	21	37	27	19		
		7.1 to 20	Array Interior	96	96	96	96	95	96	96	86	96	95	78	96	86	71	96	79	65	96	73	60	96	67	55	87	57	48	76	50	41	66	44	36	58	38	32	52	34	28	46	31	25			
			Array Edge	96	96	84	96	90	63	96	68	57	95	62	51	86	57	47	96	79	43	73	48	40	67	44	36	57	38	31	50	33	27	44	29	24	38	25	21	34	23	19	31	20	17		
	20.1 to 27	Array Interior	96	96	96	96	94	96	96	85	96	96	77	96	96	70	96	94	65	96	86	59	96	80	55	96	68	47	96	59	41	88	52	36	77	46	32	69	41	28	62	37	25				
		Array Edge	96	96	74	96	74	67	96	61	42	93	55	38	85	50	35	78	46	32	72	43	29	66	39	27	57	34	23	49	29	20	43	26	18	38	23	16	34	21	16	27	19	12			
	27.1 to 45	Array Interior	96	96	84	96	96	76	96	96	69	96	96	63	96	96	58	94	84	53	86	78	49	80	72	45	69	62	39	60	54	34	52	47	29	46	41	26	42	38	23	36	33	20	33	29	18
		Array Edge	96	96	90	96	90	81	96	82	74	96	96	67	96	96	62	98	92	57	96	92	53	94	81	75	49	31	50	45	28	46	42	26	40	36	22	35	31	19	33	30	19				
5	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	69	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29			
			Array Edge	96	96	81	96	9																																							

Table 3
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Gable Roof - Flush Mount 30 to 60 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42

Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180									
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3													
10	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	69	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29						
			Array Edge	96	96	81	96	96	72	96	93	65	96	84	59	96	76	54	96	70	49	88	64	45	81	59	42	69	50	36	60	44	31	52	38	27	46	34	24	41	30	21	37	27	19				
		7.1 to 20	Array Interior	96	96	96	96	95	96	96	86	96	95	78	96	86	71	96	79	65	96	73	60	96	67	55	87	57	48	76	50	41	66	44	36	58	38	32	52	34	28	46	31	25					
			Array Edge	96	96	84	70	96	76	63	96	68	57	95	62	51	86	57	47	79	52	43	73	48	40	67	44	36	57	38	31	50	33	27	44	29	24	38	25	21	34	23	19	31	20	17			
		20.1 to 27	Array Interior	96	96	96	96	94	96	96	85	96	96	77	96	96	70	96	94	65	96	86	59	96	80	55	96	68	47	96	59	41	88	52	36	77	46	32	69	41	28	62	37	25					
			Array Edge	96	96	69	96	90	62	96	81	56	96	74	51	96	68	47	96	62	43	96	57	39	89	53	36	76	45	31	66	39	27	58	34	24	51	30	21	46	27	17							
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	92	96	96	84	96	96	77	96	96	70	96	96	65	96	96	60	92	83	52	80	72	45	70	63	40	62	56	35	56	50	31	50	45	28					
			Array Edge	96	96	75	96	96	68	96	96	61	96	89	56	91	82	51	83	75	47	77	69	43	71	64	40	61	55	35	54	48	30	47	42	26	42	38	23	37	33	21	33	30	19				
		0 to 7	Array Interior	96	96	92	96	96	82	96	96	74	96	95	67	96	87	61	96	79	56	91	73	51	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29										
			Array Edge	96	85	60	96	76	54	94	68	48	85	62	44	78	56	40	71	52	37	65	47	34	60	44	31	51	37	27	44	32	23	39	28	20	34	25	18	30	22	16	27	20	14				
		7.1 to 20	Array Interior	96	95	79	96	86	71	96	77	64	96	70	58	96	64	53	89	59	49	82	54	45	76	50	41	65	43	35	56	37	31	49	32	27	43	29	24	39	25	21	35	23					
			Array Edge	95	63	52	86	56	47	77	51	42	70	46	38	64	42	35	59	39	32	54	36	29	50	33	27	43	28	23	37	24	20	32	21	18	29	19	16	25	17	14	23	15	12				
	D	20.1 to 27	Array Interior	96	96	78	96	96	70	96	92	63	96	84	58	96	76	53	96	70	48	96	64	44	96	59	41	86	51	35	75	44	31	65	39	27	58	34	24	51	31	21	46	27	19				
			Array Edge	96	74	51	96	67	46	96	61	42	93	55	38	85	50	35	78	46	32	72	43	29	66	39	27	57	34	23	49	29	20	43	26	18	38	23	16	34	20	14	30	12					
		27.1 to 45	Array Interior	96	96	84	96	96	76	96	96	69	96	96	63	96	92	58	94	84	53	86	78	49	80	72	45	69	62	39	90	80	54	34	52	47	29	46	41	26	42	38	23	36	33	20	33	29	18
			Array Edge	96	90	56	90	81	51	82	74	46	75	67	42	68	62	38	63	57	35	58	52	33	54	48	30	46	42	26	40	36	22	35	31	19	31	28	17	28	25	16	22	14	12				
15	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	69	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29						
			Array Edge	96	96	81	96	96	72	96	93	65	96	84	59	96	76	54	96	70	49	88	64	45	81	59	42	69	50	36	60	44	31	52	38	27	46	34	24	41	30	21	37	27	19</				

Table 3
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Gable Roof - Flush Mount 30 to 60 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42																																																												
Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180																				
				Roof Area			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3																					
20	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	91	96	96	83	96	96	76	96	96	96	91	64	96	77	55	92	67	47	80	58	41	71	51	36	63	46	32	56	41	29																		
			Array Edge	96	96	81	96	96	72	96	93	65	96	84	59	96	76	54	96	70	49	88	64	45	81	59	42	69	50	36	60	44	31	52	38	27	46	34	24	41	30	21	37	27	19															
		7.1 to 20	Array Interior	96	96	96	96	95	96	96	86	96	95	78	96	86	71	96	79	65	96	73	60	96	67	55	87	57	48	76	50	41	66	44	36	58	38	32	52	34	28	46	31	25																
			Array Edge	96	96	84	70	96	76	63	96	68	57	95	62	51	86	57	47	79	52	43	73	48	40	67	44	36	57	38	31	50	33	27	44	29	24	38	25	21	34	23	19	31	20	17														
		20.1 to 27	Array Interior	96	96	96	96	94	96	96	85	96	96	77	96	96	94	65	96	86	59	96	80	55	96	68	47	96	59	41	88	52	36	77	46	32	69	41	28	62	37	27	19																	
			Array Edge	96	96	69	96	90	62	96	81	56	96	74	51	96	68	47	96	62	43	96	57	39	89	53	36	76	45	31	66	39	27	58	34	24	51	30	21	46	27	19	41	24	17															
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	92	96	96	84	96	96	77	96	96	70	96	96	65	96	92	58	94	84	53	86	78	49	80	72	45	69	62	39	60	54	34	53	48	30	47	42	26	40	36	22	35	31	21	33	30	19				
			Array Edge	96	96	75	96	96	68	96	96	61	96	89	56	91	82	51	83	75	47	77	69	43	71	64	40	61	55	35	54	48	30	47	42	26	40	36	22	35	31	21	33	30	19															
		0 to 7	Array Interior	96	96	79	96	96	71	96	90	64	96	82	58	96	75	53	94	68	48	86	62	44	79	58	41	68	49	35	59	43	30	51	37	26	45	33	23	40	29	21	36	26	19															
			Array Edge	96	96	73	51	90	65	46	81	59	42	73	53	38	67	49	34	61	44	32	56	41	29	52	38	27	44	32	23	38	28	20	33	24	17	30	22	15	26	19	14	23	17	12														
		7.1 to 20	Array Interior	96	96	82	68	96	74	61	96	67	55	92	61	50	84	55	46	77	51	42	71	47	39	65	43	36	56	37	31	49	32	27	43	28	23	38	25	21	34	23	19	31	20	17														
			Array Edge	96	96	84	52	86	56	47	77	51	42	70	46	38	64	42	35	59	39	32	54	36	29	50	33	27	43	28	23	37	24	20	32	21	18	29	19	16	25	17	14	23	15	12														
		20.1 to 27	Array Interior	96	96	96	96	94	96	96	85	96	96	77	96	96	94	65	96	86	59	96	80	55	96	68	47	96	59	41	86	51	35	75	44	31	65	39	27	58	34	24	51	31	21	46	27	19	41	27	19									
			Array Edge	96	96	74	51	96	67	46	96	61	42	93	55	38	85	50	35	78	46	32	72	43	29	66	39	27	57	34	23	49	29	20	43	25	17	37	22	15	33	20	13	29	17	12	26	16	11											
	D	27.1 to 45	Array Interior	96	96	73	96	96	66	96	95	60	96	87	55	89	80	50	81	73	46	75	68	42	69	52	39	60	54	34	84	78	49	80	72	45	69	62	39	60	54	34	86	80	53	52	47	41	26	42	38	25	31	28	17	28	25	16	22	14
			Array Edge	96	96	87	78	96	70	44	71	64	40	65	58	36	59	53	33	54	49	31	50	45	28	46	42	26	40	36	22	35	31	19	31	28	17	27	24	15	22	13	22	19	12															
		0 to 7	Array Interior																																																									

Table 3
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Gable Roof - Flush Mount 30 to 60 Foot Roof - Landscape - Specific Gravity = 0.42

Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180								
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3									
0	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	95	96	96	83	96	96	73	96	92	65	96	82	58											
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	77	55	93	68	48	82	60	43	74	54	38													
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	83	96	96	88	73	96	77	64	96	69	57	93	62	51										
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	55	88	58	48	77	51	42	69	46	38	62	41	34											
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	83	96	96	88	73	96	77	64	92	64	57	96	74	51									
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	87	96	96	81	96	96	70	96	96	53	84	75	67	42	38								
	C	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	71	96	87	62	96	77	55	93	68	49	83	61	43										
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	47	78	57	41	69	51	36	61	45	32	55	40	29										
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	90	96	83	96	86	71	96	75	62	96	65	54	87	58	48	78	51	43	70	46	38		
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	78	96	96	86	71	96	75	62	96	65	54	87	58	48	78	51	43	70	46	38			
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	89	96	96	82	96	96	71	96	96	54	96	69	48	96	62	43	93	55	38				
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	84	96	96	77	96	96	63	96	96	53	84	76	68	43	37	25							
	D	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	89	96	96	82	96	96	70	96	96	53	91	66	47	80	59	42	72	53	38				
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	58	96	96	82	96	96	40	67	44	37	60	40	25										
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	90	96	86	72	96	74	62	96	65	54	86	77	57	47	76	50	41	67	44	37	60	40	25
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	78	96	96	86	72	96	74	62	96	65	54	86	77	57	47	76	50	41	67	44	37	60	40
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	89	96	96	82	96	96	71	96	96	54	96	69	48	96	62	43	93	55	38				
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	85	96	96	77	96	96	63	96	96	53	84	76	68	43	37	22							
	C	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	84	96	96	82	96	96	70	96	96	53	91	66	47	80	59	42	72	53	38				

Table 3
Maximum Spacing Tables

Table 3
Maximum Spacing Tables

Table 4
Maximum Spacing Tables

Table 4
Maximum Spacing Tables

Table 4
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Hip Roof - Flush Mount 0 to 30 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42

Pegasus Solar - Open Slot L-Foot - Hip Roof - Flush Mount 0 to 30 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42																																											
Ground Snow Load (psf)	Exposure Category	Roof/ Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			
				Roof Zone			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3							
0	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96									
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0							
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0							
		27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	81	96	94	73	96	85	66	96	78	61	96	71	55	96	65	51	96	60	47	96	56	43	89	48	37	78	42	33	69	37	29	61	33	25				
5	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	77	71	93	69	64	84	63	58	77	57	52	70	52	48	64	48	44	59	44	40	54	40	37	47	35	32	40	30	28	35	26	24	31	23	21				
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0							
			Array Edge	96	91	0	96	82	0	96	75	0	96	68	0	89	62	0	82	57	0	75	52	0	69	48	0	60	41	0	52	36	0	45	32	0	40	28	0				
		27.1 to 45	Array Interior	96	94	73	96	85	66	96	77	60	96	70	55	96	64	50	96	59	46	96	55	42	94	51	39	81	44	34	71	38	29	62	33	26	55	29	23				
			Array Edge	96	63	49	96	57	44	96	52	40	87	47	37	80	43	33	74	40	31	68	36	28	63	34	26	54	29	25	20	41	22	17	37	20	15						
D	C	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96				
			Array Edge	96	92	84	96	83	76	96	75	69	91	68	62	83	62	57	76	57	52	70	52	48	65	48	44	55	41	38	48	36	33	42	31	29	37	32					
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0				
			Array Edge	96	91	0	96	82	0	96	75	0	96	68	0	89	62	0	82	57	0	75	52	0	69	48	0	60	41	0	52	36	0	45	32	0	40	28	0				
		27.1 to 45	Array Interior	96	94	73	96	85	66	96	77	60	96	70	55	96	64	50	96	59	46	96	55	42	94	51	39	81	44	34	71	38	29	62	33	26	55	29	23				
			Array Edge	96	74	58	96	67	52	96	61	48	96	56	43	94	51	40	87	47	36	80	43	33	74	40	31	64	34	27	56	30	23	49	26	20	44	24	18				
D	D	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96				
			Array Edge	96	91	0	96	82	0	96	75	0	96	68	0	89	62	0	82	57	0	75	52	0	69	48	0	60	41	0	52	36	0	45	32	0	40	28	0				
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0				
			Array Edge	96	91	0	96	82	0	96	75	0	96	68	0	89	62	0	82	57	0	75	52	0	69	48	0	60	41	0	52	36	0	45	32	0	40	28	0				
		27.1 to 45	Array Interior	96	94	73	96	85	66	96	77	60	96	70	55	96	64	50	96	59	46	96	55	42	94	51	39	81	44	34	71	38	29	62	33	26	55	29	23				
			Array Edge	96	63	49	96	57	44	96	52	40	87	47	37	80	43	33	74	40	31	68	36	28	63	34	26	54	29	25	20	41	22	17	37	20	15						

Table 4
Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Hip Roof - Flush Mount 0 to 30 Foot Roof - Portrait 72 Cell - Specific Gravity = 0.42																																												
Ground Snow Load (psf)	Exposure Category	Roof/ Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180				
				Roof Zone			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3								
10	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0								
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96										
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96									
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96									
			Array Edge	96	96	81	96	94	73	96	85	66	96	78	61	96	71	55	96	65	51	96	60	47	96	56	43	89	48	37	78	42	33	69	37	29	61	33	25					
		0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
	D	7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	92	84	96	83	76	96	75	69	91	68	62	83	62	57	76	57	52	70	52	48	65	48	44	55	41	38	48	36	33	42	31	29	37	28	25					
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
		27.1 to 45	Array Interior	96	94	73	96	85	66	96	77	60	96	70	55	96	64	50	96	59	46	96	55	42	94	51	39	81	44	34	71	38	29	62	33	26	55	29	23					
			Array Edge	96	74	58	96	67	52	96	61	48	96	56	43	94	51	40	87	47	36	80	43	33	74	40	31	64	34	26	54	29	23	49	26	22								
15	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	77	71	93	69	64	84	63	58	77	57	52	70	52	48	64	48	44	59	44	40	54	40	37	47	35	32	40	30	28	35	26	24	31	23	21					
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
			Array Edge	96	91	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
	C	27.1 to 45	Array Interior	96	94	73	96	85	66	96	77	60	96	70	55	96	64	50	96	59	46	96	55	42	94	51	39	81	44	34	71	38	29	62	33	26	55	29	23					
			Array Edge	96	63	49	96	57	44	96	52	40	87	47	37	80	43	33	74	40	31	68	36	28	63	34	26	54	29	23	49	26	22	58	31	24	52	28	22					
		0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	D	7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96					
			Array Edge	96	92	84	96	83	76	96	75	69	91	68	62	83	62	57	76	57	52	70	52	48	65	48	44	55	41	38	48	36	33	42	31	29	37	28	25					
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0								
		27.1 to 45	Array Interior	96	96	87	96	96	78	96	91	71	96	83	65	96	76	59	96	70	55	96	65	50	96	60	46	96	52	40	83	45	35	73	39	31	65	35	27					
			Array Edge	96	74	58	96	67	52	96	61	48	96	56	43	94	51	40	87	47	36	80	43	33	74	40	31	64	34	27	56	30	23	49	26	20	43	23	18					
20	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			Array Edge</																																									

Table 4
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Maximum Spacing Tables

Pegasus Solar - Open Slot L-Foot - Hip Roof - Flush Mount 30 to 60 Foot Roof - Portrait 60 Cell - Specific Gravity = 0.42

Table 4
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Maximum Spacing Tables

Pegasus Solar - Closed Slot L-Foot - Gable Roof - Flush Mount 0 to 30 Foot Roof - Portrait 60 Cell - Specific Gravity = 0.42																																										
Ground Snow Load (psf)	Exposure Category	Roof/Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180		
				1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3			
10	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	95	96	96	85							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	88	63	96	79	56							
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	83	96	89	74							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	89	59	49	49								
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	73							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	92	96	96	49							
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	81							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	95	86	54					
		0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	84	60						
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	56	40						
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	95	63	53								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	35	25							
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	52							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	35								
		27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	92							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	39							
15	B	0 to 7	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	85								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	56							
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	74							
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	49							
		20.1 to 27	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	73							
			Array Edge	96	96	96	96																																			

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Pegasus Solar - Closed Slot L-Foot - Hip Roof - Flush Mount 30 to 60 Foot Roof - Landscape - Specific Gravity = 0.42																																										
Ground Snow Load (psf)	Exposure Category	Roof/ Panel Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180		
				Roof Zone			1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3						
20	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
		0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
	D	20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
		27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
25	B	0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
		7.1 to 20	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
		20.1 to 27	Array Interior	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
			Array Edge	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0	96	96	0						
	C	27.1 to 45	Array Interior	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
			Array Edge	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96								
		0 to 7	Array Interior	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
			Array Edge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
		7.1 to 20	Array Interior	96	96	96	9																																			

Notes – Tested values are based on the following criteria:

1. 2.0" minimum penetration of lag screw into 2x roof framing, excluding the tapered tip portion.
2. PV panel must comply with mechanical load requirements of UL 1703 OR 2703.

Our analysis assumes that the connections and associated hardware are installed in a workmanlike manner in accordance with the Pegasus Solar™ Open Slot & Closed Slot L-Foot Mount Installation Manual, the rail manufacturer's Installation Manual and generally accepted standards of construction practice.

It is the responsibility of the contractor to verify that the strength of the roof framing meets the minimum properties used in the tests and can safely support the maximum imposed loads stated within this document.

The bolted connection to the Open and Closed Slot L-Foot is outside the scope of this report and has not been considered in the above allowable loads or maximum span tables. It is the responsibility of the contractor to determine the capacity of this bolted connection and take appropriate reductions if applicable.

Starling Madison Lofquist, Inc. and Pegasus Solar™ assume no liability beyond what is specifically shown in this letter. Additional information is available at the Pegasus Solar™ web site, <http://pegassussolar.com/>

Please feel free to contact me at your convenience if you have any questions.

Respectfully yours,



Jesse Light, S.E., P.E.
Principal / Sr. Structural Engineer

Rusmir Begic, P.E.
Professional Licensed Engineer