



August 2, 2021

Unirac
1411 Broadway Boulevard NE
Albuquerque, NM 87102

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Attn.: Unirac - Engineering Department

Re: Report # 2020-02447vHG.01 Engineering Certification for Unirac FlashLoc Duo System

PZSE, Inc. - Structural Engineers has reviewed the Unirac FlashLoc Duo System. The proprietary mounting system is constructed from modular parts intended for rooftop installation of solar photovoltaic (PV) panels. All information, data, and analysis contained within are based on and comply with the following codes and typical specifications:

1. Minimum Design Loads for Buildings and Other Structures, ASCE/SEI 7-10 and ASCE/SEI 7-16
2. 2015 - 2018 International Building Code, by International Code Council, Inc. w/ Provisions from SEAOC PV-2 2012 and PV-2 2017.
3. 2015 - 2018 International Residential Code, by International Code Council, Inc. w/ Provisions from SEAOC PV-2 2012 and PV-2 2017.
4. 2015 - 2018 National Design Specification (NDS) for Wood Construction, by American Wood Council.
5. Aluminum Design Manual 2015, by The Aluminum Association, Inc.

The following are typical specifications to meet the above code requirements:

Design Criteria:

Risk Category II

Hip and Gable Roof Type

Enclosed and Open

Roof Tilt = 9.5° to 45°

Exposure Category = B, C & D

Basic Wind Speed = 90 - 180 (mph)

Roof Mean Height = 0 – 30 (ft)

Ground Snow Load = 0 - 70(psf)

Seismic , $S_s \leq 3.0g$ for Site Class A, B, C, or D

Attachment Devices:

The Unirac FlashLoc span tables consider various substrates, OSB (orientated strand board), plywood, and rafters that the FlashLoc Duo attaches.

Substrates: 7/16" OSB or 15/32" plywood minimum, supported by rafters or trusses at a maximum spacing of 24".

Rail: The FlashLoc Duo attachment is to be used in conjunction with Unirac's SolarMount (SM) or Solarmount Light (SMLT).

Clearance: 2" to 10" clear from the top of the roof to the top of the PV panel.

PV Module Size: 60-Cell PV Panel max dimension is 66.5".
72-Cell PV Panel max dimension is 80.4".

Installation Orientation: Landscape (L) - PV Panel long dimension is parallel to the ridge/eave line of the roof, and the PV panel is mounted on the short side.
Portrait (P) - PV Panel short dimension is parallel to the ridge/eave line of the roof, and the PV panel is mounted on the long side.

Components and Cladding Roof Zones:

ASCE 7-10 Roof Zones – Enclosed and Partially Enclosed Gable and Hip Roofs, $9.5^\circ < \theta \leq 45^\circ$:

The Edge Zone, "a," shall be determined using figure ASCE 7-10 figures 30.4-1 & 30.4-2A thru 30.4-2C. See figure 1.

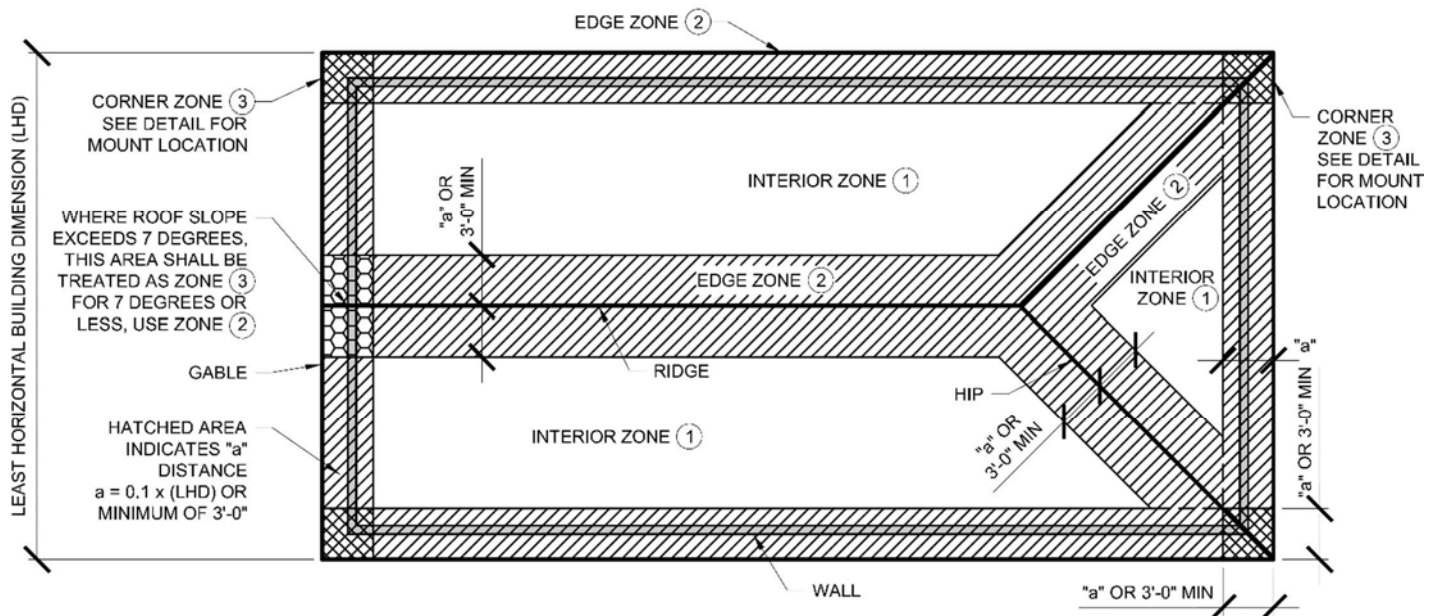


Figure 1: Roof Zones, Gable and Hip Roofs, $9.5^\circ < \theta \leq 45^\circ$

ASCE 7-16 Roof Zones – Enclosed and Partially Enclosed Gable and Hip Roofs, $9.5^\circ < \theta \leq 45^\circ$:

The Edge Zone, “a,” shall be determined using figure 30.3-2B to figure 30.3-2D of ASCE 7-16, for Gable roofs. The Edge Zone, “a,” shall be determined using figure 30.3-2E to figure 30.3-2I of ASCE 7-16, for Hip roofs. See figure 2.

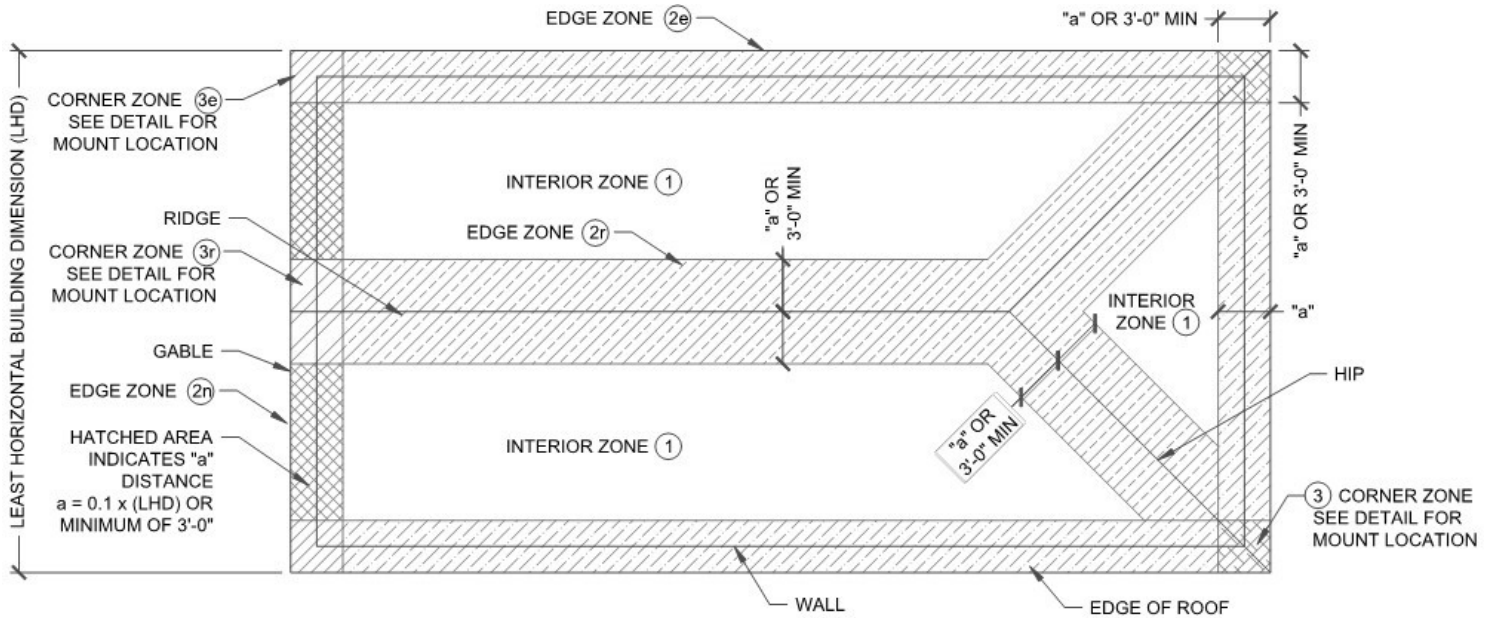


Figure 2: Roof Zones, Gable and Hip Roofs, $9.5^\circ < \theta \leq 45^\circ$

ASCE 7-16 roof zones have been simplified and are as followed:

- Gable Roof:
 - Roof Tilt 7° - 27° Span Table
 - Roof Zone 1 = 1, 2e
 - Roof Zone 2 = 2n, 2r, 3e
 - Roof Zone 3 = 3r
 - Roof Tilt 27° - 45° Span Table
 - Roof Zone 1 = 1, 2e, 2r
 - Roof Zone 2 = 2n, 3r
 - Roof Zone 3 = 3e
- Hip Roof:
 - Roof Tilt 7° - 20° Span Table
 - Roof Zone 1 = 1
 - Roof Zone 2 = 2r
 - Roof Zone 3 = 3, 2e
 - Roof Tilt 20° - 27° Span Table
 - Roof Zone 1 = 1, 2e, 2r
 - Roof Zone 2, 3 = 3, 2e, 2r
 - Roof Tilt 27° - 45° Span Table
 - Roof Zone 1 = 1
 - Roof Zone 2 = 2r, 2e
 - Roof Zone 3 = 3

Panel with Support Mounts in Multiple Roof Zones:

Edge and Corner Zone spacings (Zone 2 & 3, respectively) apply only to mounts located in those Zones, not to all the mounts supporting the module.

Notes:

- 1) Tables are determined for SM rail or SMLT Rail and Duo attachment only and does not include roof capacity check.
- 2) Topographic factor, k_{zt} is 1.0.
- 3) Array Edge Factor Y_E , per SEAOC PV2-2017
- 4) Average parapet height is 0.0 ft.
- 5) Wind speeds are LRFD values.

Panel Array Edge, ASCE 7-16 Only:

Panels exposed at array edge shall use figure 29.4-7 of ASCE 7-16 to determine “ d_1 ” and “ d_2 ” to apply “Array Edge” spans that apply to an array layout. See figure 3.

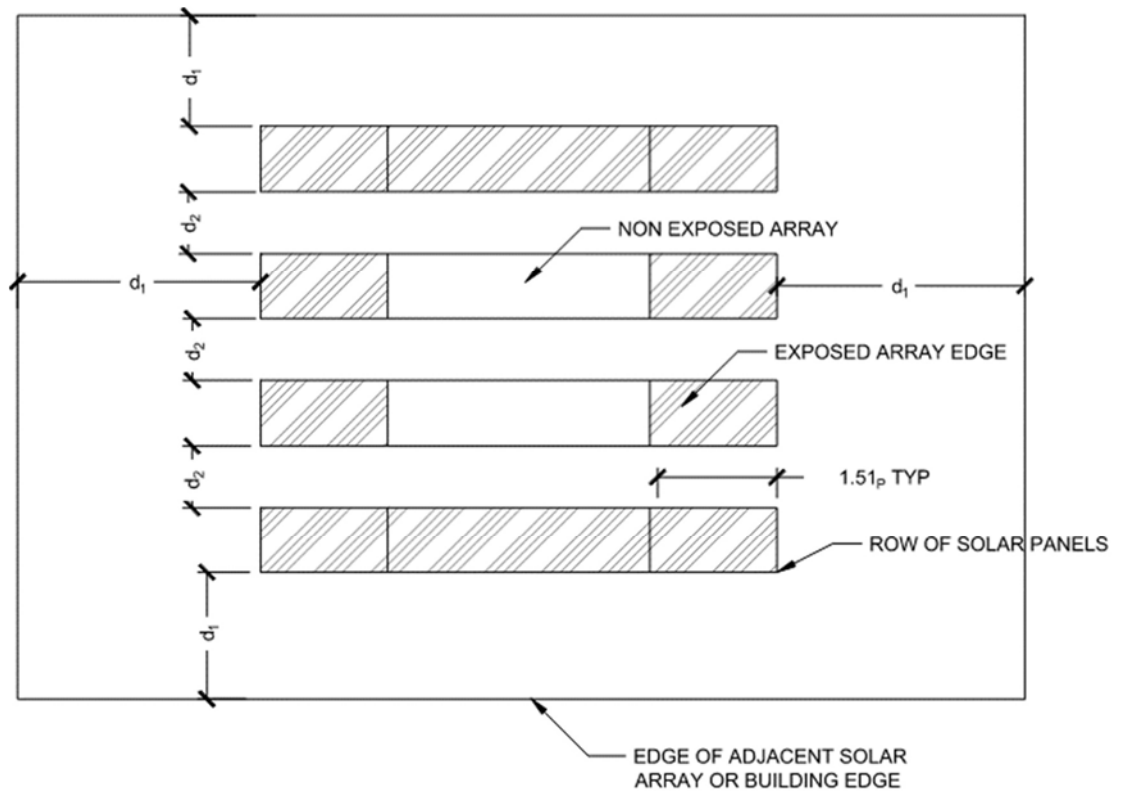


Figure 3: Array Edge



Design Responsibility:

The FlashLoc Duo System span tables are intended to be used under the responsible charge of a registered design professional where required by the authority having jurisdiction. In all cases, the FlashLoc Duo System span tables should be used under the direction of a design professional with sufficient structural engineering knowledge and experience to be able to:

- Evaluate whether the FlashLoc Duo System span tables apply to the project, and
- Understand and determine the appropriate design criteria for the FlashLoc Duo System span tables.

This letter certifies that the FlashLoc Duo System span tables, when installed according to the FlashLoc Duo System span tables and the manufactures Installation Manuel, and Design and Engineering Guide, comply with the above codes and loading criteria.

This certification excludes evaluation of the following components:

- 1) The structure to support the loads imposed on the building by the array, including, but not limited to, strength and deflection of structural framing members, sheathing attachment to the roof structure, and/or snow accumulation effects on the structure.
- 2) The capacity of the solar module frame to resist the loads.

This requires additional knowledge of the building and is outside the scope of FlashLoc Duo System span tables.

If you have any questions on the above, do not hesitate to call.

Prepared by:

PZSE, Inc. – Structural Engineers
Roseville, CA

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30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	82	81	80	78	77	76	74	71	66	62
		2	82	81	77	70	64	59	52	44	39	34
		3	75	67	60	53	44	37	32	28	*25	*22
	28-45 deg	1	89	86	83	79	76	72	68	64	60	57
		2	89	86	83	79	75	70	65	60	56	50
		3	89	86	83	79	75	70	65	60	56	50
	Exposure Category C	9.5-27 deg 1	80	79	77	75	73	68	63	59	54	48
		2	79	71	64	58	49	41	36	31	27	*24
		3	62	55	44	36	31	26	*23	*20	X	X
	28-45 deg	1	84	80	76	71	66	62	58	55	48	42
		2	84	80	75	69	63	58	52	44	39	35
		3	84	80	75	69	63	58	52	44	39	35
Exposure Category D	9.5-27 deg 1	79	77	75	73	67	62	58	51	45	40	
	2	73	65	58	48	40	34	30	26	*23	*20	
	3	57	45	37	30	*26	*22	*19	X	X	X	
28-45 deg	1	81	76	71	66	61	57	52	45	40	35	
	2	81	76	69	63	57	50	43	37	33	29	
	3	81	76	69	63	57	50	43	37	33	29	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	65	65	65	65	64	63	62	60	59	58
		2	65	65	65	65	64	59	52	44	39	34
		3	65	65	60	53	44	37	32	28	*25	*22
	28-45 deg	1	82	80	77	75	72	69	66	63	60	57
		2	82	80	77	75	72	69	65	60	56	50
		3	82	80	77	75	72	69	65	60	56	50
	Exposure Category C	9.5-27 deg 1	65	65	64	63	61	60	58	57	54	48
		2	65	65	64	58	49	41	36	31	27	*24
		3	62	55	44	36	31	26	*23	*20	X	X
	28-45 deg	1	78	76	72	69	65	62	58	55	48	42
		2	78	76	72	69	63	58	52	44	39	35
		3	78	76	72	69	63	58	52	44	39	35
Exposure Category D	9.5-27 deg 1	65	64	63	61	59	58	56	51	45	40	
	2	65	64	58	48	40	34	30	26	*23	*20	
	3	57	45	37	30	*26	*22	*19	X	X	X	
28-45 deg	1	77	74	70	66	61	57	52	45	40	35	
	2	77	74	69	63	57	50	43	37	33	29	
	3	77	74	69	63	57	50	43	37	33	29	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	65	65	65	65	64	63	62	60	59	58
		2	65	65	65	65	64	59	52	44	39	34
		3	65	65	60	53	44	37	32	28	*25	*22
	28-45 deg	1	76	75	73	70	67	65	62	60	58	56
		2	76	75	73	70	67	65	62	60	56	50
		3	76	75	73	70	67	65	62	60	56	50
	Exposure Category C	9.5-27 deg 1	65	65	64	63	61	60	58	57	54	48
		2	65	65	64	58	49	41	36	31	27	*24
		3	62	55	44	36	31	26	*23	*20	X	X
	28-45 deg	1	74	70	67	64	61	59	56	54	48	42
		2	74	70	67	64	61	58	52	44	39	35
		3	74	70	67	64	61	58	52	44	39	35
Exposure Category D	9.5-27 deg 1	65	64	63	61	59	58	56	51	45	40	
	2	65	64	58	48	40	34	30	26	*23	*20	
	3	57	45	37	30	*26	*22	*19	X	X	X	
28-45 deg	1	73	69	66	62	59	57	52	45	40	35	
	2	73	69	66	62	57	50	43	37	33	29	
	3	73	69	66	62	57	50	43	37	33	29	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	60	60	60	60	60	60	59	57	56	55
		2	60	60	60	60	60	59	52	44	39	34
		3	60	60	60	53	44	37	32	28	*25	*22
	28-45 deg	1	68	68	68	65	63	61	59	57	55	53
		2	68	68	68	65	63	61	59	57	55	50
		3	68	68	68	65	63	61	59	57	55	50
	Exposure Category C	9.5-27 deg 1	60	60	60	59	58	57	56	54	53	48
		2	60	60	60	58	49	41	36	31	27	*24
		3	60	55	44	36	31	26	*23	*20	X	X
	28-45 deg	1	68	66	63	61	58	56	54	52	48	42
		2	68	66	63	61	58	56	52	44	39	35
		3	68	66	63	61	58	56	52	44	39	35
Exposure Category D	9.5-27 deg 1	63	63	62	60	59	57	56	51	45	40	
	2	63	63	58	48	40	34	30	26	*23	*20	
	3	57	45	37	30	*26	*22	*19	X	X	X	
28-45 deg	1	68	65	62	60	57	54	52	45	40	35	
	2	68	65	62	60	57	50	43	37	33	29	
	3	68	65	62	60	57	50	43	37	33	29	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft
 II
 60 Cell
 SMLT
 Rafter
 Portrait
 Ss = 1.25
 Building height Risk Category Module Size Rail Type Connection Type Module Orientation Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	54	54	54	54	54	54	54	54	53	53	52
		2	54	54	54	54	54	54	52	44	39	34	
		3	54	54	54	53	44	37	32	28	*25	*22	
	28-45 deg	1	57	57	57	57	57	57	56	55	53	51	
		2	57	57	57	57	57	57	56	55	53	50	
		3	57	57	57	57	57	57	56	55	53	50	
	Exposure Category C	9.5-27 deg 1	54	54	54	54	54	53	52	51	50	48	
		2	54	54	54	54	49	41	36	31	27	*24	
		3	54	54	44	36	31	26	*23	*20	X	X	
	28-45 deg	1	57	57	57	57	56	54	52	50	48	42	
		2	57	57	57	57	56	54	52	44	39	35	
		3	57	57	57	57	56	54	52	44	39	35	
Exposure Category D	9.5-27 deg 1	57	57	57	56	55	54	52	51	45	40		
	2	57	57	57	56	40	34	30	26	*23	*20		
	3	57	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	63	62	59	57	55	52	50	45	40	35		
	2	63	62	59	57	55	50	43	37	33	29		
	3	63	62	59	57	55	50	43	37	33	29		
Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*51	*51	*51	*51	*51	*51	*51	*51	*51	*51	
		2	*51	*51	*51	*51	*51	*51	*51	*44	*39	*34	
		3	*51	*51	*51	*51	*44	*37	*32	*28	*25	*22	
	28-45 deg	1	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	
		2	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	
		3	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	
	Exposure Category C	9.5-27 deg 1	*51	*51	*51	*51	*51	*51	*51	*51	*51	*48	
		2	*51	*51	*51	*51	*49	*41	*36	*31	*27	*24	
		3	*51	*51	*44	*36	*31	*26	*23	*20	X	X	
	28-45 deg	1	*48	*48	*48	*48	*48	*48	*48	*48	*48	*42	
		2	*48	*48	*48	*48	*48	*48	*48	*44	*39	*35	
		3	*48	*48	*48	*48	*48	*48	*48	*44	*39	*35	
Exposure Category D	9.5-27 deg 1	53	53	53	53	52	51	49	48	45	40		
	2	53	53	53	48	40	34	30	26	*23	*20		
	3	53	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	*54	*54	*54	*54	*54	*54	*52	*45	*40	*35		
	2	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29		
	3	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29		
Snow 61-70 PSF	Exposure Category B	9.5-27 deg 1	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44	
		2	*44	*44	*44	*44	*44	*44	*44	*44	*39	*34	
		3	*44	*44	*44	*44	*44	*37	*32	*28	*25	*22	
	28-45 deg	1	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	
		2	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	
		3	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	
	Exposure Category C	9.5-27 deg 1	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44	
		2	*44	*44	*44	*44	*44	*41	*36	*31	*27	*24	
		3	*44	*44	*44	*36	*31	*26	*23	*20	X	X	
	28-45 deg	1	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	
		2	*42	*42	*42	*42	*42	*42	*42	*42	*39	*35	
		3	*42	*42	*42	*42	*42	*42	*42	*42	*39	*35	
Exposure Category D	9.5-27 deg 1	*49	*49	*49	*49	*49	*49	*49	*49	*45	*40		
	2	*49	*49	*49	*48	*40	*34	*30	*26	*23	*20		
	3	*49	*45	*37	*30	*26	*22	*19	X	X	X		
28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*45	*40	*35		
	2	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29		
	3	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29		

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	77	76	75	74	72	70	68	65	61	57
		2	77	76	72	65	59	52	44	37	32	29
		3	70	62	55	44	37	31	27	*24	*21	X
	28-45 deg	1	84	81	78	75	70	66	62	58	55	52
		2	84	81	78	75	70	64	59	55	47	42
		3	84	81	78	75	70	64	59	55	47	42
	Exposure Category C	9.5-27 deg 1	76	74	72	69	67	62	58	52	45	40
		2	74	66	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	79	76	70	65	61	57	53	46	40	35
		2	79	76	70	63	58	50	43	37	33	29
		3	79	76	70	63	58	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	74	72	70	67	62	57	49	43	37	33	
	2	67	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	76	71	65	60	56	52	44	38	33	29	
	2	76	70	63	57	49	42	36	31	27	*24	
	3	76	70	63	57	49	42	36	31	27	*24	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	59	59	59	59	59	58	56	55	54	53
		2	59	59	59	59	59	52	44	37	32	29
		3	59	59	55	44	37	31	27	*24	*21	X
	28-45 deg	1	77	75	72	69	66	63	61	58	55	52
		2	77	75	72	69	66	63	59	55	47	42
		3	77	75	72	69	66	63	59	55	47	42
	Exposure Category C	9.5-27 deg 1	59	59	59	57	56	55	53	52	45	40
		2	59	59	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	73	70	66	63	60	57	53	46	40	35
		2	73	70	66	63	58	50	43	37	33	29
		3	73	70	66	63	58	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	59	59	57	56	54	53	49	43	37	33	
	2	59	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	72	68	64	60	56	52	44	38	33	29	
	2	72	68	63	57	49	42	36	31	27	*24	
	3	72	68	63	57	49	42	36	31	27	*24	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	59	59	59	59	59	58	56	55	54	53
		2	59	59	59	59	59	52	44	37	32	29
		3	59	59	55	44	37	31	27	*24	*21	X
	28-45 deg	1	70	69	66	64	62	59	57	55	53	51
		2	70	69	66	64	62	59	57	55	47	42
		3	70	69	66	64	62	59	57	55	47	42
	Exposure Category C	9.5-27 deg 1	59	59	59	57	56	55	53	52	45	40
		2	59	59	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	67	64	62	59	56	54	51	46	40	35
		2	67	64	62	59	56	50	43	37	33	29
		3	67	64	62	59	56	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	59	59	57	56	54	53	49	43	37	33	
	2	59	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	67	63	60	57	54	52	44	38	33	29	
	2	67	63	60	57	49	42	36	31	27	*24	
	3	67	63	60	57	49	42	36	31	27	*24	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	55	55	55	55	55	55	54	53	52	51
		2	55	55	55	55	55	52	44	37	32	29
		3	55	55	55	44	37	31	27	*24	*21	X
	28-45 deg	1	57	57	57	57	57	56	54	52	51	49
		2	57	57	57	57	57	56	54	52	47	42
		3	57	57	57	57	57	56	54	52	47	42
	Exposure Category C	9.5-27 deg 1	55	55	55	54	53	52	51	50	45	40
		2	55	55	55	50	41	34	30	*26	*23	*20
		3	55	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	57	57	57	56	53	51	49	46	40	35
		2	57	57	57	56	53	50	43	37	33	29
		3	57	57	57	56	53	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	58	58	57	55	54	52	49	43	37	33	
	2	58	58	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	63	60	57	54	52	50	44	38	33	29	
	2	63	60	57	54	49	42	36	31	27	*24	
	3	63	60	57	54	49	42	36	31	27	*24	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	*50	*50	*50	*50	*50	*50	*50	*50	*50	*50	*50	*50
		2	*50	*50	*50	*50	*50	*50	*44	*37	*31	*24	*21	X
		3	*50	*50	*50	*50	*44	*37	*31	*27	*24	*21	X	X
	28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47
		2	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*42
		3	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*42
	Exposure Category C	9.5-27 deg 1	*50	*50	*50	*50	*50	*50	*50	*50	*50	*50	*45	*40
		2	*50	*50	*50	*50	*41	*34	*30	*26	*22	X	X	X
		3	*50	*46	*37	*30	*26	*22	*19	X	X	X	X	X
	28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*47	*47	*46	*40	*35
		2	*47	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29
		3	*47	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29
Exposure Category D	9.5-27 deg 1	53	53	53	51	50	49	48	43	37	33	33	33	
	2	53	53	50	40	34	29	*25	*22	*19	X	X	X	
	3	48	38	31	*25	*21	X	X	X	X	X	X	X	
28-45 deg	1	*52	*52	*52	*52	*52	*52	*44	*38	*33	*29	*29	*29	
	2	*52	*52	*52	*52	*49	*42	*36	*31	*27	*24	*24	*24	
	3	*52	*52	*52	*52	*49	*42	*36	*31	*27	*24	*24	*24	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	
		2	*43	*43	*43	*43	*43	*43	*43	*37	*32	*29	*29	
		3	*43	*43	*43	*43	*37	*31	*27	*24	*21	X	X	
	28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
		2	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
		3	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
	Exposure Category C	9.5-27 deg 1	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*40
		2	*43	*43	*43	*43	*41	*34	*30	*26	*23	*20	*20	*20
		3	*43	*43	*37	*30	*26	*22	*19	X	X	X	X	X
	28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*35	*35
		2	*40	*40	*40	*40	*40	*40	*40	*40	*37	*33	*29	*29
		3	*40	*40	*40	*40	*40	*40	*40	*40	*37	*33	*29	*29
Exposure Category D	9.5-27 deg 1	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29	*29	
	2	*47	*47	*47	*40	*34	*29	*25	*22	*19	X	X	X	
	3	*47	*38	*31	*25	*21	X	X	X	X	X	X	X	
28-45 deg	1	*45	*45	*45	*45	*45	*45	*44	*38	*33	*29	*29	*29	
	2	*45	*45	*45	*45	*45	*45	*42	*36	*31	*27	*24	*24	
	3	*45	*45	*45	*45	*45	*45	*42	*36	*31	*27	*24	*24	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-27 deg 1	*41	*41	*41	*41	*41	*41	*41	*41	*37	*33	*33	*33	
	2	*41	*41	*41	*40	*34	*29	*25	*22	*19	X	X	X	
	3	*41	*38	*31	*25	*21	X	X	X	X	X	X	X	
28-45 deg	1	*39	*39	*39	*39	*39	*39	*39	*38	*33	*29	*29	*29	
	2	*39	*39	*39	*39	*39	*39	*39	*36	*31	*27	*24	*24	
	3	*39	*39	*39	*39	*39	*39	*39	*36	*31	*27	*24	*24	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	82	81	80	78	77	76	74	71	66	62
		2	82	81	77	70	64	59	52	44	39	34	
		3	75	67	60	53	44	37	32	28	*25	*22	
	28-45 deg	1	88	86	83	79	76	72	68	64	60	57	
		2	88	86	83	79	75	70	65	60	56	50	
		3	88	86	83	79	75	70	65	60	56	50	
	Exposure Category C	9.5-27 deg	1	80	79	77	75	73	68	63	59	54	48
		2	79	71	64	58	49	41	36	31	27	*24	
		3	62	55	44	36	31	26	*23	*20	X	X	
	28-45 deg	1	84	80	76	71	66	62	58	55	48	42	
		2	84	80	75	69	63	58	52	44	39	35	
		3	84	80	75	69	63	58	52	44	39	35	
Exposure Category D	9.5-27 deg	1	79	77	75	73	67	62	58	51	45	40	
	2	73	65	58	48	40	34	30	26	*23	*20		
	3	57	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	81	76	71	66	61	57	52	45	40	35		
	2	81	76	69	63	57	50	43	37	33	29		
	3	81	76	69	63	57	50	43	37	33	29		
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	65	65	65	65	64	63	62	60	59	58
		2	65	65	65	65	64	59	52	44	39	34	
		3	65	65	60	53	44	37	32	28	*25	*22	
	28-45 deg	1	79	79	77	75	72	69	66	63	60	57	
		2	79	79	77	75	72	69	65	60	56	50	
		3	79	79	77	75	72	69	65	60	56	50	
	Exposure Category C	9.5-27 deg	1	65	65	64	63	61	60	58	57	54	48
		2	65	65	64	58	49	41	36	31	27	*24	
		3	62	55	44	36	31	26	*23	*20	X	X	
	28-45 deg	1	78	76	72	69	65	62	58	55	48	42	
		2	78	76	72	69	63	58	52	44	39	35	
		3	78	76	72	69	63	58	52	44	39	35	
Exposure Category D	9.5-27 deg	1	65	64	63	61	59	58	56	51	45	40	
	2	65	64	58	48	40	34	30	26	*23	*20		
	3	57	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	77	74	70	66	61	57	52	45	40	35		
	2	77	74	69	63	57	50	43	37	33	29		
	3	77	74	69	63	57	50	43	37	33	29		
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	65	65	65	65	64	63	62	60	59	58
		2	65	65	65	65	64	59	52	44	39	34	
		3	65	65	60	53	44	37	32	28	*25	*22	
	28-45 deg	1	72	72	72	70	67	65	62	60	58	56	
		2	72	72	72	70	67	65	62	60	56	50	
		3	72	72	72	70	67	65	62	60	56	50	
	Exposure Category C	9.5-27 deg	1	65	65	64	63	61	60	58	57	54	48
		2	65	65	64	58	49	41	36	31	27	*24	
		3	62	55	44	36	31	26	*23	*20	X	X	
	28-45 deg	1	72	70	67	64	61	59	56	54	48	42	
		2	72	70	67	64	61	58	52	44	39	35	
		3	72	70	67	64	61	58	52	44	39	35	
Exposure Category D	9.5-27 deg	1	65	64	63	61	59	58	56	51	45	40	
	2	65	64	58	48	40	34	30	26	*23	*20		
	3	57	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	73	69	66	62	59	57	52	45	40	35		
	2	73	69	66	62	57	50	43	37	33	29		
	3	73	69	66	62	57	50	43	37	33	29		
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	60	60	60	60	60	60	59	57	56	55
		2	60	60	60	60	60	59	52	44	39	34	
		3	60	60	60	53	44	37	32	28	*25	*22	
	28-45 deg	1	65	65	65	65	63	61	59	57	55	53	
		2	65	65	65	65	63	61	59	57	55	50	
		3	65	65	65	65	63	61	59	57	55	50	
	Exposure Category C	9.5-27 deg	1	60	60	60	59	58	57	56	54	53	48
		2	60	60	60	58	49	41	36	31	27	*24	
		3	60	55	44	36	31	26	*23	*20	X	X	
	28-45 deg	1	65	65	63	61	58	56	54	52	48	42	
		2	65	65	63	61	58	56	52	44	39	35	
		3	65	65	63	61	58	56	52	44	39	35	
Exposure Category D	9.5-27 deg	1	63	63	62	60	59	57	56	51	45	40	
	2	63	63	58	48	40	34	30	26	*23	*20		
	3	57	45	37	30	*26	*22	*19	X	X	X		
28-45 deg	1	68	65	62	60	57	54	52	45	40	35		
	2	68	65	62	60	57	50	43	37	33	29		
	3	68	65	62	60	57	50	43	37	33	29		

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	54	54	54	54	54	54	54	54	53	53	52
		2	54	54	54	54	54	54	52	44	39	34	
		3	54	54	54	53	44	37	32	28	*25	*22	
	28-45 deg	1	57	57	57	57	57	57	56	55	53	51	50
		2	57	57	57	57	57	57	56	55	53	50	48
		3	57	57	57	57	57	57	56	55	53	50	48
	Exposure Category C	9.5-27 deg 1	54	54	54	54	49	41	36	31	27	X	X
		2	54	54	44	36	31	26	*23	*20	X	X	X
		3	54	54	44	36	31	26	*23	*20	X	X	X
	28-45 deg	1	57	57	57	57	56	54	52	50	48	42	35
		2	57	57	57	57	56	54	52	44	39	35	35
		3	57	57	57	57	56	54	52	44	39	35	35
Exposure Category D	9.5-27 deg 1	57	57	57	56	55	54	52	51	45	40	40	
	2	57	57	57	48	40	34	30	26	*23	*20	X	
	3	57	45	37	30	*26	*22	*19	X	X	X	X	
28-45 deg	1	61	61	59	57	55	52	50	45	40	35	29	
	2	61	61	59	57	55	50	43	37	33	29	29	
	3	61	61	59	57	55	50	43	37	33	29	29	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*51	*51	*51	*51	*51	*51	*51	*51	*44	*39	*34
		2	*51	*51	*51	*51	*51	*51	*51	*44	*39	*34	*34
		3	*51	*51	*51	*51	*44	*37	*32	*28	*25	*22	*22
	28-45 deg	1	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48
		2	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48
		3	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48	*48
	Exposure Category C	9.5-27 deg 1	*51	*51	*51	*51	*51	*51	*51	*51	*51	*48	*48
		2	*51	*51	*51	*51	*49	*41	*36	*31	*27	*24	*24
		3	*51	*51	*44	*36	*31	*26	*23	*20	X	X	X
	28-45 deg	1	*48	*48	*48	*48	*48	*48	*48	*48	*48	*42	*42
		2	*48	*48	*48	*48	*48	*48	*48	*44	*39	*35	*35
		3	*48	*48	*48	*48	*48	*48	*48	*44	*39	*35	*35
Exposure Category D	9.5-27 deg 1	53	53	53	53	52	51	49	48	45	40	40	
	2	53	53	53	48	40	34	30	26	*23	*20	*20	
	3	53	45	37	30	*26	*22	*19	X	X	X	X	
28-45 deg	1	*54	*54	*54	*54	*54	*54	*52	*45	*40	*35	*35	
	2	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29	*29	
	3	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29	*29	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg 1	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44
		2	*44	*44	*44	*44	*44	*44	*44	*44	*39	*34	*34
		3	*44	*44	*44	*44	*44	*44	*37	*32	*28	*25	*22
	28-45 deg	1	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42
		2	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42
		3	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42
	Exposure Category C	9.5-27 deg 1	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44	*44
		2	*44	*44	*44	*44	*44	*41	*36	*31	*27	*24	*24
		3	*44	*44	*44	*36	*31	*26	*23	*20	X	X	X
	28-45 deg	1	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42	*42
		2	*42	*42	*42	*42	*42	*42	*42	*42	*39	*35	*35
		3	*42	*42	*42	*42	*42	*42	*42	*42	*39	*35	*35
Exposure Category D	9.5-27 deg 1	*49	*49	*49	*49	*49	*49	*49	*49	*45	*40	*40	
	2	*49	*49	*49	*48	*40	*34	*30	*26	*23	*20	*20	
	3	*49	*45	*37	*30	*26	*22	*19	X	X	X	X	
28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*45	*40	*35	*35	
	2	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29	
	3	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	77	76	75	74	72	70	68	65	61	57
		2	77	76	72	65	59	52	44	37	32	29
		3	70	62	55	44	37	31	27	*24	*21	X
	28-45 deg	1	81	81	78	75	70	66	62	58	55	52
		2	81	81	78	75	70	64	59	55	47	42
		3	81	81	78	75	70	64	59	55	47	42
	Exposure Category C	9.5-27 deg 1	76	74	72	69	67	62	58	52	45	40
		2	74	66	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	79	76	70	65	61	57	53	46	40	35
		2	79	76	70	63	58	50	43	37	33	29
		3	79	76	70	63	58	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	74	72	70	67	62	57	49	43	37	33	
	2	67	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	76	71	65	60	56	52	44	38	33	29	
	2	76	70	63	57	49	42	36	31	27	*24	
	3	76	70	63	57	49	42	36	31	27	*24	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	59	59	59	59	59	58	56	55	54	53
		2	59	59	59	59	59	52	44	37	32	29
		3	59	59	55	44	37	31	27	*24	*21	X
	28-45 deg	1	72	72	72	69	66	63	61	58	55	52
		2	72	72	72	69	66	63	59	55	47	42
		3	72	72	72	69	66	63	59	55	47	42
	Exposure Category C	9.5-27 deg 1	59	59	59	57	56	55	53	52	45	40
		2	59	59	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	72	70	66	63	60	57	53	46	40	35
		2	72	70	66	63	58	50	43	37	33	29
		3	72	70	66	63	58	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	59	59	57	56	54	53	49	43	37	33	
	2	59	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	72	68	64	60	56	52	44	38	33	29	
	2	72	68	63	57	49	42	36	31	27	*24	
	3	72	68	63	57	49	42	36	31	27	*24	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	59	59	59	59	59	58	56	55	54	53
		2	59	59	59	59	59	52	44	37	32	29
		3	59	59	55	44	37	31	27	*24	*21	X
	28-45 deg	1	64	64	64	64	62	59	57	55	53	51
		2	64	64	64	64	62	59	57	55	47	42
		3	64	64	64	64	62	59	57	55	47	42
	Exposure Category C	9.5-27 deg 1	59	59	59	57	56	55	53	52	45	40
		2	59	59	59	50	41	34	30	*26	*23	*20
		3	57	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	64	64	62	59	56	54	51	46	40	35
		2	64	64	62	59	56	50	43	37	33	29
		3	64	64	62	59	56	50	43	37	33	29
Exposure Category D	9.5-27 deg 1	59	59	57	56	54	53	49	43	37	33	
	2	59	59	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	67	63	60	57	54	52	44	38	33	29	
	2	67	63	60	57	49	42	36	31	27	*24	
	3	67	63	60	57	49	42	36	31	27	*24	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	55	55	55	55	55	55	54	53	52	51
		2	55	55	55	55	55	52	44	37	32	29
		3	55	55	55	44	37	31	27	*24	*21	X
	28-45 deg	1	*54	*54	*54	*54	*54	*54	*54	*54	*54	*52
		2	*54	*54	*54	*54	*54	*54	*54	*54	*47	*42
		3	*54	*54	*54	*54	*54	*54	*54	*54	*47	*42
	Exposure Category C	9.5-27 deg 1	55	55	55	54	53	52	51	50	45	40
		2	55	55	55	50	41	34	30	*26	*23	*20
		3	55	46	37	30	*26	*22	*19	X	X	X
	28-45 deg	1	*54	*54	*54	*54	*54	*54	*53	*46	*40	*35
		2	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29
		3	*54	*54	*54	*54	*54	*50	*43	*37	*33	*29
Exposure Category D	9.5-27 deg 1	58	58	57	55	54	52	49	43	37	33	
	2	58	58	50	40	34	29	*25	*22	*19	X	
	3	48	38	31	*25	*21	X	X	X	X	X	
28-45 deg	1	58	58	57	54	52	50	44	38	33	29	
	2	58	58	57	54	49	42	36	31	27	*24	
	3	58	58	57	54	49	42	36	31	27	*24	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)														
		90	100	110	120	130	140	150	160	170	180					
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	
		2	*49	*49	*49	*49	*49	*49	*49	*44	*37	*31	*27	*24	*21	X
		3	*49	*49	*49	*49	*44	*37	*31	*27	*24	*21	X	X	X	X
	28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47
		2	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*42
		3	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*42
	Exposure Category C	9.5-27 deg 1	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	*49	*45	*40	X
		2	*49	*49	*49	*49	*49	*41	*34	*30	*26	*22	*19	X	X	X
		3	*49	*46	*37	*30	*26	*22	*19	X	X	X	X	X	X	X
	28-45 deg	1	*47	*47	*47	*47	*47	*47	*47	*47	*47	*47	*46	*40	*35	X
		2	*47	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29	*24	X
		3	*47	*47	*47	*47	*47	*47	*47	*47	*43	*37	*33	*29	*24	X
Exposure Category D	9.5-27 deg 1	*53	*53	*53	*53	*53	*53	*53	*49	*43	*37	*32	*29	*24	X	
	2	*53	*53	*50	*40	*34	*29	*25	*21	X	X	X	X	X	X	
	3	*48	*38	*31	*25	*21	X	X	X	X	X	X	X	X	X	
28-45 deg	1	*51	*51	*51	*51	*51	*49	*42	*36	*31	*27	*24	*20	*16	X	
	2	*51	*51	*51	*51	*49	*42	*36	*31	*27	*24	*20	*16	X	X	
	3	*51	*51	*51	*51	*49	*42	*36	*31	*27	*24	*20	*16	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	
		2	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	
		3	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	
	28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
		2	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
		3	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
	Exposure Category C	9.5-27 deg 1	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43	*43
		2	*43	*43	*43	*43	*43	*41	*34	*30	*26	*22	*19	X	X	X
		3	*43	*43	*37	*30	*26	*22	*19	X	X	X	X	X	X	X
	28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40	*40
		2	*40	*40	*40	*40	*40	*40	*40	*40	*40	*37	*33	*29	*24	X
		3	*40	*40	*40	*40	*40	*40	*40	*40	*40	*37	*33	*29	*24	X
Exposure Category D	9.5-27 deg 1	*47	*47	*47	*47	*47	*47	*47	*47	*47	*43	*37	*32	*29	X	
	2	*47	*47	*47	*47	*47	*40	*34	*29	*25	*22	*19	X	X	X	
	3	*47	*38	*31	*25	*21	X	X	X	X	X	X	X	X	X	
28-45 deg	1	*45	*45	*45	*45	*45	*45	*45	*45	*44	*38	*33	*29	*24	X	
	2	*45	*45	*45	*45	*45	*45	*45	*42	*36	*31	*27	*24	X	X	
	3	*45	*45	*45	*45	*45	*45	*42	*36	*31	*27	*24	X	X	X	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-27 deg 1	*41	*41	*41	*41	*41	*41	*41	*41	*41	*41	*37	*33	*29	X	
	2	*41	*41	*41	*40	*34	*29	*25	*22	*19	X	X	X	X	X	
	3	*41	*38	*31	*25	*21	X	X	X	X	X	X	X	X	X	
28-45 deg	1	*39	*39	*39	*39	*39	*39	*39	*39	*39	*38	*33	*29	*24	X	
	2	*39	*39	*39	*39	*39	*39	*39	*39	*36	*31	*27	*24	X	X	
	3	*39	*39	*39	*39	*39	*39	*39	*39	*36	*31	*27	*24	X	X	

*Spans denoted by an asterisk require that Solarmount standard rail be used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1 98	2 96	3 95	1 93	2 92	3 90	1 89	2 86	3 82	1 79
		28-45 deg	1 106	2 102	3 98	1 95	2 90	3 87	1 83	2 80	3 77	1 75
			2 106	3 102	1 98	2 95	3 90	1 85	2 81	3 77	1 74	2 69
	3 106		1 102	2 98	3 95	1 90	2 85	3 81	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 95	2 94	3 87	1 81	2 76	3 69	1 64	2 59	3 54	1 47
		28-45 deg	1 100	2 95	3 90	1 86	2 82	3 78	1 75	2 71	3 67	1 64
			2 100	3 95	1 90	2 84	3 80	1 75	2 70	3 66	1 61	2 58
	3 100		1 95	2 90	3 84	1 80	2 75	3 70	1 66	2 61	3 58	
	Exposure Category D	9.5-27 deg	1 94	2 88	3 81	1 76	2 69	3 63	1 58	2 51	3 44	1 39
		28-45 deg	1 96	2 91	3 86	1 82	2 78	3 74	1 70	2 66	3 62	1 58
			2 96	3 91	1 85	2 79	3 75	1 71	2 67	3 63	1 59	2 50
	3 96		1 91	2 85	3 79	1 75	2 71	3 67	1 63	2 59	3 50	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1 81	2 81	3 81	1 81	2 80	3 79	1 78	2 77	3 76	1 75
		28-45 deg	1 81	2 81	3 78	1 72	2 66	3 60	1 56	2 48	3 42	1 37
			2 97	3 95	1 92	2 89	3 87	1 84	2 82	3 80	1 77	2 75
	3 97		1 95	2 92	3 89	1 87	2 84	3 81	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 81	2 81	3 80	1 79	2 78	3 77	1 76	2 74	3 72	1 67
		28-45 deg	1 93	2 90	3 87	1 84	2 81	3 78	1 75	2 71	3 67	1 64
			2 93	3 90	1 87	2 84	3 80	1 75	2 70	3 66	1 61	2 58
	3 93		1 90	2 87	3 84	1 80	2 75	3 70	1 66	2 61	3 58	
	Exposure Category D	9.5-27 deg	1 81	2 81	3 80	1 79	2 78	3 77	1 75	2 74	3 70	1 65
		28-45 deg	1 92	2 88	3 85	1 82	2 78	3 74	1 70	2 66	3 62	1 58
			2 92	3 88	1 85	2 79	3 75	1 71	2 67	3 63	1 59	2 50
	3 92		1 88	2 85	3 79	1 75	2 71	3 67	1 63	2 59	3 50	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1 81	2 81	3 81	1 81	2 80	3 79	1 78	2 77	3 76	1 75
		28-45 deg	1 81	2 81	3 78	1 72	2 66	3 60	1 56	2 48	3 42	1 37
			2 91	3 89	1 87	2 85	3 83	1 81	2 79	3 77	1 74	2 69
	3 91		1 89	2 87	3 85	1 83	2 81	3 79	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 81	2 81	3 80	1 79	2 78	3 77	1 76	2 74	3 72	1 67
		28-45 deg	1 88	2 85	3 83	1 80	2 78	3 76	1 73	2 70	3 67	1 64
			2 88	3 85	1 83	2 80	3 78	1 75	2 70	3 66	1 61	2 58
	3 88		1 85	2 83	3 80	1 78	2 75	3 70	1 66	2 61	3 58	
	Exposure Category D	9.5-27 deg	1 81	2 80	3 79	1 78	2 77	3 75	1 74	2 70	3 65	1 62
		28-45 deg	1 87	2 84	3 82	1 79	2 76	3 74	1 70	2 66	3 62	1 58
			2 87	3 84	1 82	2 79	3 75	1 71	2 67	3 63	1 59	2 50
	3 87		1 84	2 82	3 79	1 75	2 71	3 67	1 63	2 59	3 50	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1 77	2 77	3 77	1 77	2 77	3 76	1 76	2 75	3 74	1 72
		28-45 deg	1 77	2 77	3 77	1 72	2 66	3 60	1 56	2 48	3 42	1 37
			2 87	3 85	1 83	2 81	3 80	1 78	2 76	3 74	1 72	2 69
	3 87		1 85	2 83	3 81	1 80	2 78	3 76	1 74	2 72	3 69	
	Exposure Category C	9.5-27 deg	1 77	2 77	3 77	1 76	2 75	3 74	1 73	2 71	3 69	1 67
		28-45 deg	1 77	2 77	3 77	1 76	2 69	3 64	1 59	2 54	3 47	1 41
			2 84	3 82	1 80	2 77	3 75	1 73	2 70	3 66	1 61	2 58
	3 84		1 82	2 80	3 77	1 75	2 73	3 70	1 66	2 61	3 58	
	Exposure Category D	9.5-27 deg	1 80	2 80	3 78	1 77	2 76	3 75	1 73	2 70	3 65	1 62
		28-45 deg	1 80	2 80	3 76	1 69	2 63	3 58	1 51	2 44	3 39	1 34
			2 84	3 81	1 79	2 76	3 74	1 71	2 68	3 65	1 62	2 58
	3 84		1 81	2 79	3 76	1 74	2 71	3 68	1 65	2 62	3 58	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 41-50 PSF	Exposure Category B	9.5-27	1	70	70	70	70	70	70	70	69	67		
		deg	2	70	70	70	70	70	70	66	62	58		
		3	70	70	70	70	66	60	56	48	*42	*37		
	Exposure Category C	28-45	1	80	80	80	78	77	75	73	71	69	67	
		deg	2	80	80	80	78	77	75	73	71	69	67	
		3	80	80	80	78	77	75	73	71	69	67		
	Exposure Category D	9.5-27	1	70	70	70	70	70	69	68	66	65	64	
		deg	2	70	70	70	70	69	64	59	54	47	*41	
		3	70	70	66	60	53	45	*38	*34	X	X		
	Snow 51-60 PSF	Exposure Category B	28-45	1	80	78	77	75	72	70	67	65	62	60
			deg	2	80	78	77	75	72	70	67	65	61	58
			3	80	78	77	75	72	70	67	65	61	58	
Exposure Category C		9.5-27	1	74	74	74	73	72	70	68	67	65	62	
		deg	2	74	74	74	69	63	58	51	44	*39	*34	
		3	74	66	60	52	*43	*37	*32	X	X	X		
Exposure Category D		28-45	1	81	78	76	74	71	68	65	63	60	58	
		deg	2	81	78	76	74	71	68	64	60	56	50	
		3	81	78	76	74	71	68	64	60	56	50		
Snow 61-70 PSF		Exposure Category B	9.5-27	1	*85	*85	*85	*85	*85	*85	*85	*85	*85	
			deg	2	*85	*85	*85	*85	*85	*85	*81	*70	*61	
			3	*85	*85	*85	*85	*78	*66	*56	*48	*42	*37	
	Exposure Category C	28-45	1	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81	
		deg	2	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81	
		3	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81		
	Exposure Category D	9.5-27	1	*85	*85	*85	*85	*85	*85	*85	*85	*85	*82	
		deg	2	*85	*85	*85	*85	*85	*74	*63	*54	*47	*41	
		3	*85	*85	*78	*64	*53	*45	*38	*34	X	X		
	Snow 71-80 PSF	Exposure Category B	28-45	1	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74
			deg	2	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74
			3	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81	
Exposure Category C		9.5-27	1	*85	*85	*85	*85	*85	*85	*85	*85	*85	*82	
		deg	2	*85	*85	*85	*85	*85	*74	*63	*54	*47	*41	
		3	*85	*85	*78	*64	*53	*45	*38	*34	X	X		
Exposure Category D		28-45	1	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74	
		deg	2	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74	
		3	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81		
Snow 81-90 PSF		Exposure Category B	9.5-27	1	*74	*74	*74	*74	*74	*74	*74	*74	*74	
			deg	2	*74	*74	*74	*74	*74	*74	*74	*74	*74	
			3	*74	*74	*74	*74	*74	*74	*66	*56	*48	*42	
	Exposure Category C	28-45	1	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71	
		deg	2	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71	
		3	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71		
	Exposure Category D	9.5-27	1	*74	*74	*74	*74	*74	*74	*74	*74	*74	*74	
		deg	2	*74	*74	*74	*74	*74	*74	*63	*54	*47	*41	
		3	*74	*74	*74	*64	*53	*45	*38	*34	X	X		
	Snow 91-100 PSF	Exposure Category B	28-45	1	*71	*71	*71	*71	*71	*71	*71	*71	*71	
			deg	2	*71	*71	*71	*71	*71	*71	*71	*71	*71	
			3	*71	*71	*71	*71	*71	*71	*71	*71	*71		
Exposure Category C		9.5-27	1	*83	*83	*83	*83	*83	*83	*83	*83	*77		
		deg	2	*83	*83	*83	*83	*83	*73	*61	*51	*44		
		3	*83	*80	*64	*52	*43	*37	*32	X	X			
Exposure Category D	28-45	1	*79	*79	*79	*79	*79	*79	*79	*79	*70			
	deg	2	*79	*79	*79	*79	*79	*79	*79	*79	*70			
	3	*79	*79	*79	*79	*79	*79	*79	*75	*64	*56			

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	97	96	94	93	91	90	88	86	82	78
		2	97	96	92	86	81	77	72	67	62	58	
		3	90	83	78	72	66	60	56	*48	*42	X	
	28-45 deg	1	105	101	98	94	90	86	83	80	77	74	74
		2	105	101	98	94	90	85	81	77	73	69	69
		3	105	101	98	94	90	85	81	77	73	69	69
	Exposure Category C	9.5-27 deg	1	95	93	91	90	88	83	79	76	71	67
		2	94	87	81	76	70	64	59	*54	*47	*41	
		3	79	73	65	59	*53	*44	*38	X	X	X	
	28-45 deg	1	99	95	90	86	82	78	75	71	67	63	63
		2	99	95	90	84	79	75	70	65	61	58	58
		3	99	95	90	84	79	75	70	65	61	58	58
Exposure Category D	9.5-27 deg	1	94	92	90	88	83	78	75	69	65	61	
	2	88	82	76	69	63	58	*51	*44	*38	X		
	3	75	66	60	*52	*43	X	X	X	X	X		
28-45 deg	1	96	91	86	81	78	74	69	65	61	58	58	
	2	96	91	84	79	75	69	64	60	56	*49	*49	
	3	96	91	84	79	75	69	64	60	56	*49	*49	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	80	80	80	80	80	79	78	77	76	75
		2	80	80	80	80	80	77	72	67	62	58	
		3	80	80	78	72	66	60	56	*48	*42	X	
	28-45 deg	1	97	94	92	89	86	84	82	79	77	74	74
		2	97	94	92	89	86	84	81	77	73	69	69
		3	97	94	92	89	86	84	81	77	73	69	69
	Exposure Category C	9.5-27 deg	1	80	80	80	79	78	76	75	74	71	67
		2	80	80	80	76	70	64	59	*54	*47	*41	
		3	79	73	65	59	*53	*44	*38	X	X	X	
	28-45 deg	1	92	89	86	83	81	78	75	71	67	63	63
		2	92	89	86	83	79	75	70	65	61	58	58
		3	92	89	86	83	79	75	70	65	61	58	58
Exposure Category D	9.5-27 deg	1	80	80	79	78	76	75	73	69	65	61	
	2	80	80	76	69	63	58	*51	*44	*38	X		
	3	75	66	60	*52	*43	X	X	X	X	X		
28-45 deg	1	91	88	84	81	78	74	69	65	61	58	58	
	2	91	88	84	79	75	69	64	60	56	*49	*49	
	3	91	88	84	79	75	69	64	60	56	*49	*49	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	80	80	80	80	80	79	78	77	76	75
		2	80	80	80	80	80	77	72	67	62	58	
		3	80	80	78	72	66	60	56	*48	*42	X	
	28-45 deg	1	91	89	87	84	82	80	78	76	75	72	72
		2	91	89	87	84	82	80	78	76	73	69	69
		3	91	89	87	84	82	80	78	76	73	69	69
	Exposure Category C	9.5-27 deg	1	80	80	80	79	78	76	75	74	71	67
		2	80	80	80	76	70	64	59	*54	*47	*41	
		3	79	73	65	59	*53	*44	*38	X	X	X	
	28-45 deg	1	87	85	82	80	78	75	73	69	67	63	63
		2	87	85	82	80	78	75	70	65	61	58	58
		3	87	85	82	80	78	75	70	65	61	58	58
Exposure Category D	9.5-27 deg	1	80	80	79	78	76	75	73	69	65	61	
	2	80	80	76	69	63	58	*51	*44	*38	X		
	3	75	66	60	*52	*43	X	X	X	X	X		
28-45 deg	1	87	84	81	78	76	73	69	65	61	58	58	
	2	87	84	81	78	75	69	64	60	56	*49	*49	
	3	87	84	81	78	75	69	64	60	56	*49	*49	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	76	76	76	76	76	76	75	74	73	72
		2	76	76	76	76	76	76	72	67	62	58	
		3	76	76	76	72	66	60	56	*48	*42	X	
	28-45 deg	1	86	84	83	81	79	77	76	74	71	69	69
		2	86	84	83	81	79	77	76	74	71	69	69
		3	86	84	83	81	79	77	76	74	71	69	69
	Exposure Category C	9.5-27 deg	1	76	76	76	76	75	74	72	71	69	67
		2	76	76	76	76	70	64	59	*54	*47	*41	
		3	76	73	65	59	*53	*44	*38	X	X	X	
	28-45 deg	1	83	81	79	77	75	72	69	67	64	62	62
		2	83	81	79	77	75	72	69	65	61	58	58
		3	83	81	79	77	75	72	69	65	61	58	58
Exposure Category D	9.5-27 deg	1	79	79	78	77	76	74	72	69	65	61	
	2	79	79	76	69	63	58	*51	*44	*38	X		
	3	75	66	60	*52	*43	X	X	X	X	X		
28-45 deg	1	83	81	78	76	73	70	67	64	61	58	58	
	2	83	81	78	76	73	69	64	60	56	*49	*49	
	3	83	81	78	76	73	69	64	60	56	*49	*49	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1 *98	*98	*98	*98	*98	*98	*98	*98	*98	*98	
		2 *98	*98	*98	*98	*98	*98	*98	*98	*98	*98	*98	
		3 *98	*98	*98	*98	*95	*78	*66	*56	*48	*40	X	
	Exposure Category C	28-45 deg	1 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93	
		2 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93	*93	
		3 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93	*93	
	Exposure Category D	9.5-27 deg	1 *98	*98	*98	*98	*98	*98	*98	*98	*92	*81	
			2 *98	*98	*98	*98	*98	*90	*75	*63	*54	*47	
			3 *98	*98	*98	*78	*64	*53	*44	*38	X	X	
		28-45 deg	1 *93	*93	*93	*93	*93	*93	*93	*93	*93	*84	*74
			2 *93	*93	*93	*93	*93	*93	*93	*89	*77	*67	*59
			3 *93	*93	*93	*93	*93	*93	*93	*89	*77	*67	*59
Exposure Category D	9.5-27 deg	1 74	74	74	74	73	71	70	68	65	61		
		2 74	74	74	69	63	58	*51	*44	*38	X		
		3 74	66	60	*52	*43	X	X	X	X	X		
	28-45 deg	1 *103	*103	*103	*103	*103	*103	*103	*92	*80	*69	*61	
		2 *103	*103	*103	*103	*102	*86	*74	*64	*56	*49		
		3 *103	*103	*103	*103	*102	*86	*74	*64	*56	*49		
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1 *83	*83	*83	*83	*83	*83	*83	*83	*83		
		2 *83	*83	*83	*83	*83	*83	*83	*82	*70	*61		
		3 *83	*83	*83	*83	*83	*78	*66	*56	*48	*42		
	Exposure Category C	28-45 deg	1 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	
		2 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	*79	
		3 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	*79	
	Exposure Category D	9.5-27 deg	1 *83	*83	*83	*83	*83	*83	*83	*83	*83	*83	
			2 *83	*83	*83	*83	*83	*83	*75	*63	*54	*47	
			3 *83	*83	*83	*78	*64	*53	*44	*38	X	X	
		28-45 deg	1 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	*79
			2 *79	*79	*79	*79	*79	*79	*79	*79	*77	*67	*59
			3 *79	*79	*79	*79	*79	*79	*79	*79	*77	*67	*59
Exposure Category D	9.5-27 deg	1 *93	*93	*93	*93	*93	*93	*93	*93	*87	*76		
		2 *93	*93	*93	*93	*89	*73	*61	*51	*44	*38		
		3 *93	*80	*64	*52	*43	X	X	X	X	X		
	28-45 deg	1 *88	*88	*88	*88	*88	*88	*88	*88	*80	*69	*61	
		2 *88	*88	*88	*88	*88	*88	*86	*74	*64	*56	*49	
		3 *88	*88	*88	*88	*88	*88	*86	*74	*64	*56	*49	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X	X		
	Exposure Category C	28-45 deg	1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category D	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X	
			2 X	X	X	X	X	X	X	X	X	X	
			3 X	X	X	X	X	X	X	X	X	X	
		28-45 deg	1 X	X	X	X	X	X	X	X	X	X	
			2 X	X	X	X	X	X	X	X	X	X	
			3 X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-27 deg	1 *81	*81	*81	*81	*81	*81	*81	*81	*76	*67		
		2 *81	*81	*81	*81	*81	*73	*61	*51	*44	*38		
		3 *81	*80	*64	*52	*43	X	X	X	X	X		
	28-45 deg	1 *77	*77	*77	*77	*77	*77	*77	*77	*77	*69	*61	
		2 *77	*77	*77	*77	*77	*77	*77	*74	*64	*56	*49	
		3 *77	*77	*77	*77	*77	*77	*77	*74	*64	*56	*49	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1 98	2 96	3 95	1 93	2 92	3 90	1 89	2 86	3 82	1 79
		2 98	3 96	1 92	2 86	3 81	1 76	2 71	3 66	1 62	2 58	
		3 90	1 83	2 78	3 72	1 66	2 60	3 56	1 48	2 *42	3 *37	
	28-45 deg	1 106	2 102	3 98	1 95	2 90	3 85	1 83	2 80	3 77	1 74	2 69
		2 106	3 102	1 98	2 95	3 90	1 85	2 81	3 77	1 74	2 69	
		3 106	1 102	2 98	3 95	1 90	2 85	3 81	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 95	2 94	3 87	1 81	2 76	3 69	1 64	2 59	3 54	1 47
		2 94	3 87	1 73	2 66	3 60	1 53	2 45	3 *38	1 *34	2 X	3 X
		3 79	1 100	2 95	3 90	1 86	2 82	3 78	1 75	2 71	3 67	1 64
	28-45 deg	1 100	2 95	3 90	1 84	2 80	3 75	1 70	2 66	3 61	1 58	2 54
		2 100	3 95	1 90	2 84	3 80	1 75	2 70	3 66	1 61	2 58	
		3 100	1 95	2 90	3 84	1 80	2 75	3 70	1 66	2 61	3 58	
Exposure Category D	9.5-27 deg	1 94	2 92	3 90	1 88	2 83	3 79	1 75	2 70	3 65	1 62	
	2 88	3 81	1 76	2 69	3 63	1 58	2 51	3 44	1 *39	2 *34		
	3 75	1 66	2 60	3 52	1 *43	2 *37	3 *32	1 X	2 X	3 X		
28-45 deg	1 96	2 91	3 86	1 82	2 78	3 74	1 70	2 66	3 62	1 58	2 54	
	2 96	3 91	1 85	2 79	3 75	1 71	2 67	3 63	1 59	2 55		
	3 96	1 91	2 85	3 79	1 75	2 69	3 64	1 60	2 56	3 50		
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1 81	2 81	3 81	1 81	2 80	3 79	1 78	2 77	3 76	1 75
		2 81	3 81	1 78	2 72	3 66	1 60	2 56	3 48	1 *42	2 *37	
		3 81	1 97	2 95	3 92	1 89	2 87	3 84	1 82	2 80	3 77	1 75
	28-45 deg	1 97	2 95	3 92	1 89	2 87	3 84	1 81	2 77	3 74	1 69	2 64
		2 97	3 95	1 92	2 89	3 87	1 84	2 81	3 77	1 74	2 69	
		3 97	1 95	2 92	3 89	1 87	2 84	3 81	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 81	2 81	3 80	1 79	2 78	3 77	1 76	2 74	3 72	1 67
		2 81	3 81	1 80	2 76	3 69	1 64	2 59	3 54	1 47	2 *41	
		3 79	1 93	2 90	3 87	1 84	2 81	3 78	1 75	2 71	3 67	1 64
	28-45 deg	1 93	2 90	3 87	1 84	2 80	3 75	1 70	2 66	3 61	1 58	2 54
		2 93	3 90	1 87	2 84	3 80	1 75	2 70	3 66	1 61	2 58	
		3 93	1 90	2 87	3 84	1 80	2 75	3 70	1 66	2 61	3 58	
Exposure Category D	9.5-27 deg	1 81	2 80	3 79	1 78	2 77	3 75	1 74	2 70	3 65	1 62	
	2 81	3 80	1 76	2 69	3 63	1 58	2 51	3 44	1 *39	2 *34		
	3 75	1 66	2 60	3 52	1 *43	2 *37	3 *32	1 X	2 X	3 X		
28-45 deg	1 92	2 88	3 85	1 82	2 78	3 74	1 70	2 66	3 62	1 58	2 54	
	2 92	3 88	1 85	2 79	3 75	1 71	2 67	3 63	1 59	2 55		
	3 92	1 88	2 85	3 79	1 75	2 69	3 64	1 60	2 56	3 50		
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1 81	2 81	3 81	1 81	2 80	3 79	1 78	2 77	3 76	1 75
		2 81	3 81	1 78	2 72	3 66	1 60	2 56	3 48	1 *42	2 *37	
		3 81	1 91	2 89	3 87	1 85	2 83	3 81	1 79	2 77	3 75	1 72
	28-45 deg	1 91	2 89	3 87	1 85	2 83	3 81	1 79	2 77	3 74	1 69	2 64
		2 91	3 89	1 87	2 85	3 83	1 81	2 79	3 77	1 74	2 69	
		3 91	1 89	2 87	3 85	1 83	2 81	3 79	1 77	2 74	3 69	
	Exposure Category C	9.5-27 deg	1 81	2 81	3 80	1 79	2 78	3 77	1 76	2 74	3 72	1 67
		2 81	3 81	1 80	2 76	3 69	1 64	2 59	3 54	1 47	2 *41	
		3 79	1 88	2 85	3 83	1 80	2 78	3 76	1 73	2 70	3 67	1 64
	28-45 deg	1 88	2 88	3 85	1 83	2 80	3 78	1 75	2 70	3 66	1 61	2 58
		2 88	3 88	1 85	2 83	3 80	1 78	2 75	3 70	1 66	2 61	
		3 88	1 85	2 83	3 80	1 78	2 75	3 70	1 66	2 61	3 58	
Exposure Category D	9.5-27 deg	1 81	2 80	3 79	1 78	2 77	3 75	1 74	2 70	3 65	1 62	
	2 81	3 80	1 76	2 69	3 63	1 58	2 51	3 44	1 *39	2 *34		
	3 75	1 66	2 60	3 52	1 *43	2 *37	3 *32	1 X	2 X	3 X		
28-45 deg	1 87	2 84	3 82	1 79	2 76	3 74	1 70	2 66	3 62	1 58	2 54	
	2 87	3 84	1 82	2 79	3 75	1 71	2 67	3 63	1 59	2 55		
	3 87	1 84	2 82	3 79	1 75	2 69	3 64	1 60	2 56	3 50		
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1 77	2 77	3 77	1 77	2 77	3 76	1 75	2 74	3 73	1 72
		2 77	3 77	1 74	2 68	3 62	1 56	2 50	3 44	1 *42	2 *37	
		3 77	1 86	2 85	3 83	1 81	2 80	3 78	1 76	2 74	3 72	1 69
	28-45 deg	1 86	2 86	3 85	1 83	2 81	3 80	1 78	2 76	3 74	1 72	2 69
		2 86	3 86	1 85	2 83	3 81	1 80	2 78	3 76	1 74	2 72	
		3 86	1 85	2 83	3 81	1 80	2 78	3 76	1 74	2 72	3 69	
	Exposure Category C	9.5-27 deg	1 77	2 77	3 77	1 76	2 75	3 74	1 73	2 71	3 69	1 67
		2 77	3 77	1 74	2 68	3 62	1 56	2 50	3 44	1 *42	2 *37	
		3 77	1 84	2 82	3 80	1 77	2 75	3 73	1 70	2 67	3 65	1 62
	28-45 deg	1 84	2 84	3 82	1 80	2 77	3 75	1 73	2 70	3 66	1 61	2 58
		2 84	3 84	1 82	2 80	3 77	1 75	2 73	3 70	1 66	2 61	
		3 84	1 82	2 80	3 77	1 75	2 73	3 70	1 66	2 61	3 58	
Exposure Category D	9.5-27 deg	1 80	2 80	3 78	1 77	2 76	3 75	1 73	2 70	3 65	1 62	
	2 80	3 80	1 76	2 69	3 63	1 58	2 51	3 44	1 *39	2 *34		
	3 75	1 66	2 60	3 52	1 *43	2 *37	3 *32	1 X	2 X	3 X		
28-45 deg	1 84	2 84	3 81	1 79	2 76	3 74	1 71	2 68	3 65	1 62	2 58	
	2 84	3 84	1 81	2 79	3 76	1 74	2 71	3 68	1 65	2 62		
	3 84	1 81	2 79	3 76	1 74	2 71	3 68	1 65	2 62	3 58		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 41-50 PSF	Exposure Category B	9.5-27	1	70	70	70	70	70	70	70	69	67		
		deg	2	70	70	70	70	70	70	66	62	58		
		3	70	70	70	70	66	60	56	48	*42	*37		
	Exposure Category C	28-45	1	80	80	80	78	77	75	73	71	69	67	
		deg	2	80	80	80	78	77	75	73	71	69	67	
		3	80	80	80	78	77	75	73	71	69	67		
	Exposure Category D	9.5-27	1	70	70	70	70	70	69	68	66	65	64	
		deg	2	70	70	70	70	69	64	59	54	47	*41	
		3	70	70	66	60	53	45	*38	*34	X	X		
	Snow 51-60 PSF	Exposure Category B	28-45	1	80	78	77	75	72	70	67	65	62	60
			deg	2	80	78	77	75	72	70	67	65	61	58
			3	80	78	77	75	72	70	67	65	61	58	
Exposure Category C		9.5-27	1	74	74	74	73	72	70	68	67	65	62	
		deg	2	74	74	74	69	63	58	51	44	*39	*34	
		3	74	66	60	52	*43	*37	*32	X	X	X		
Exposure Category D		28-45	1	81	78	76	74	71	68	65	63	60	58	
		deg	2	81	78	76	74	71	68	64	60	56	50	
		3	81	78	76	74	71	68	64	60	56	50		
Snow 61-70 PSF		Exposure Category B	9.5-27	1	*85	*85	*85	*85	*85	*85	*85	*85	*85	
			deg	2	*85	*85	*85	*85	*85	*85	*81	*70	*61	
			3	*85	*85	*85	*85	*78	*66	*56	*48	*42	*37	
	Exposure Category C	28-45	1	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81	
		deg	2	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81	
		3	*81	*81	*81	*81	*81	*81	*81	*81	*81	*81		
	Exposure Category D	9.5-27	1	*85	*85	*85	*85	*85	*85	*85	*85	*85	*82	
		deg	2	*85	*85	*85	*85	*85	*74	*63	*54	*47	*41	
		3	*85	*85	*78	*64	*53	*45	*38	*34	X	X		
	Snow 71-80 PSF	Exposure Category B	28-45	1	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74
			deg	2	*81	*81	*81	*81	*81	*81	*81	*81	*81	*74
			3	*81	*81	*81	*81	*81	*81	*81	*78	*68	*60	
Exposure Category C		9.5-27	1	68	68	68	68	67	66	65	63	62	60	
		deg	2	68	68	68	68	63	58	51	44	*39	*34	
		3	68	66	60	52	*43	*37	*32	X	X	X		
Exposure Category D		28-45	1	*90	*90	*90	*90	*90	*90	*90	*80	*70	*61	
		deg	2	*90	*90	*90	*90	*90	*87	*75	*64	*56	*50	
		3	*90	*90	*90	*90	*90	*87	*75	*64	*56	*50		
Snow 81-90 PSF		Exposure Category B	9.5-27	1	*74	*74	*74	*74	*74	*74	*74	*74	*74	
			deg	2	*74	*74	*74	*74	*74	*74	*74	*74	*74	
			3	*74	*74	*74	*74	*74	*66	*56	*48	*42	*37	
	Exposure Category C	28-45	1	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71	
		deg	2	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71	
		3	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71		
	Exposure Category D	9.5-27	1	*74	*74	*74	*74	*74	*74	*74	*74	*74	*74	
		deg	2	*74	*74	*74	*74	*74	*74	*63	*54	*47	*41	
		3	*74	*74	*74	*64	*53	*45	*38	*34	X	X		
	Snow 91-100 PSF	Exposure Category B	28-45	1	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71
			deg	2	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71
			3	*71	*71	*71	*71	*71	*71	*71	*71	*71	*71	
Exposure Category C		9.5-27	1	*83	*83	*83	*83	*83	*83	*83	*83	*77	*68	
		deg	2	*83	*83	*83	*83	*73	*61	*51	*44	*39	*34	
		3	*83	*80	*64	*52	*43	*37	*32	X	X	X		
Exposure Category D		28-45	1	*79	*79	*79	*79	*79	*79	*79	*79	*70	*61	
		deg	2	*79	*79	*79	*79	*79	*79	*79	*75	*64	*50	
		3	*79	*79	*79	*79	*79	*79	*79	*75	*64	*56	*50	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	97	96	94	93	91	90	88	86	82	78
		2	97	96	92	86	81	77	72	67	62	58
		3	90	83	78	72	66	60	56	*48	*42	X
	28-45 deg	1	105	101	98	94	90	86	83	80	77	74
		2	105	101	98	94	90	85	81	77	73	69
		3	105	101	98	94	90	85	81	77	73	69
	Exposure Category C	9.5-27 deg 1	95	93	91	90	88	83	79	76	71	67
		2	94	87	81	76	70	64	59	*54	*47	*41
		3	79	73	65	59	*53	*44	*38	X	X	X
	28-45 deg	1	99	95	90	86	82	78	75	71	67	63
		2	99	95	90	84	79	75	70	65	61	58
		3	99	95	90	84	79	75	70	65	61	58
Exposure Category D	9.5-27 deg 1	94	92	90	88	83	78	75	69	65	61	
	2	88	82	76	69	63	58	*51	*44	*38	X	
	3	75	66	60	*52	*43	X	X	X	X	X	
28-45 deg	1	96	91	86	81	78	74	69	65	61	58	
	2	96	91	84	79	75	69	64	60	56	*49	
	3	96	91	84	79	75	69	64	60	56	*49	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	80	80	80	80	80	79	78	77	76	75
		2	80	80	80	80	80	77	72	67	62	58
		3	80	80	78	72	66	60	56	*48	*42	X
	28-45 deg	1	97	94	92	89	86	84	82	79	77	74
		2	97	94	92	89	86	84	81	77	73	69
		3	97	94	92	89	86	84	81	77	73	69
	Exposure Category C	9.5-27 deg 1	80	80	80	79	78	76	75	74	71	67
		2	80	80	80	76	70	64	59	*54	*47	*41
		3	79	73	65	59	*53	*44	*38	X	X	X
	28-45 deg	1	92	89	86	83	81	78	75	71	67	63
		2	92	89	86	83	79	75	70	65	61	58
		3	92	89	86	83	79	75	70	65	61	58
Exposure Category D	9.5-27 deg 1	80	80	79	78	76	75	73	69	65	61	
	2	80	80	76	69	63	58	*51	*44	*38	X	
	3	75	66	60	*52	*43	X	X	X	X	X	
28-45 deg	1	91	88	84	81	78	74	69	65	61	58	
	2	91	88	84	79	75	69	64	60	56	*49	
	3	91	88	84	79	75	69	64	60	56	*49	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	80	80	80	80	80	79	78	77	76	75
		2	80	80	80	80	80	77	72	67	62	58
		3	80	80	78	72	66	60	56	*48	*42	X
	28-45 deg	1	91	89	87	84	82	80	78	76	75	72
		2	91	89	87	84	82	80	78	76	73	69
		3	91	89	87	84	82	80	78	76	73	69
	Exposure Category C	9.5-27 deg 1	80	80	80	79	78	76	75	74	71	67
		2	80	80	80	76	70	64	59	*54	*47	*41
		3	79	73	65	59	*53	*44	*38	X	X	X
	28-45 deg	1	87	85	82	80	78	75	73	69	67	63
		2	87	85	82	80	78	75	70	65	61	58
		3	87	85	82	80	78	75	70	65	61	58
Exposure Category D	9.5-27 deg 1	80	80	79	78	76	75	73	69	65	61	
	2	80	80	76	69	63	58	*51	*44	*38	X	
	3	75	66	60	*52	*43	X	X	X	X	X	
28-45 deg	1	87	84	81	78	76	73	69	65	61	58	
	2	87	84	81	78	75	69	64	60	56	*49	
	3	87	84	81	78	75	69	64	60	56	*49	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	76	76	76	76	76	76	75	74	73	72
		2	76	76	76	76	76	76	72	67	62	58
		3	76	76	76	72	66	60	56	*48	*42	X
	28-45 deg	1	*107	*107	*107	*107	*107	*107	*107	*107	*107	*107
		2	*107	*107	*107	*107	*107	*107	*107	*107	*99	*87
		3	*107	*107	*107	*107	*107	*107	*107	*107	*99	*87
	Exposure Category C	9.5-27 deg 1	76	76	76	76	75	74	72	71	69	67
		2	76	76	76	76	70	64	59	*54	*47	*41
		3	76	73	65	59	*53	*44	*38	X	X	X
	28-45 deg	1	*107	*107	*107	*107	*107	*107	*107	*97	*84	*74
		2	*107	*107	*107	*107	*107	*105	*89	*77	*67	*59
		3	*107	*107	*107	*107	*107	*105	*89	*77	*67	*59
Exposure Category D	9.5-27 deg 1	79	79	78	77	76	74	72	69	65	61	
	2	79	79	76	69	63	58	*51	*44	*38	X	
	3	75	66	60	*52	*43	X	X	X	X	X	
28-45 deg	1	83	81	78	76	73	70	67	64	61	58	
	2	83	81	78	76	73	69	64	60	56	*49	
	3	83	81	78	76	73	69	64	60	56	*49	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1 *97	*97	*97	*97	*97	*97	*97	*97	*97	*97
		2 *97	*97	*97	*97	*97	*97	*96	*82	*70	*61	
		3 *97	*97	*97	*97	*95	*78	*66	*56	*48	X	X
	Exposure Category C	28-45 deg	1 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93
		2 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93	*87
		3 *93	*93	*93	*93	*93	*93	*93	*93	*93	*93	*87
	Exposure Category D	9.5-27 deg	1 *97	*97	*97	*97	*97	*97	*97	*97	*92	*81
		2 *97	*97	*97	*97	*97	*90	*75	*63	*54	*47	*41
		3 *97	*97	*97	*78	*64	*53	*44	*38	X	X	X
		28-45 deg	1 *93	*93	*93	*93	*93	*93	*93	*93	*84	*74
		2 *93	*93	*93	*93	*93	*93	*93	*89	*77	*67	*59
		3 *93	*93	*93	*93	*93	*93	*93	*89	*77	*67	*59
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1 *104	*104	*104	*104	*104	*104	*101	*87	*76	
		2 *104	*104	*104	*104	*89	*73	*61	*51	*44	*38	
		3 *103	*80	*64	*52	*43	X	X	X	X	X	
	Exposure Category C	28-45 deg	1 *100	*100	*100	*100	*100	*100	*100	*92	*80	*69
		2 *100	*100	*100	*100	*100	*100	*86	*74	*64	*56	*49
		3 *100	*100	*100	*100	*100	*100	*86	*74	*64	*56	*49
	Exposure Category D	9.5-27 deg	1 *83	*83	*83	*83	*83	*83	*83	*83	*83	*83
		2 *83	*83	*83	*83	*83	*83	*83	*83	*82	*70	*61
		3 *83	*83	*83	*83	*83	*78	*66	*56	*48	*42	X
		28-45 deg	1 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79
		2 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	*79
		3 *79	*79	*79	*79	*79	*79	*79	*79	*79	*79	*79
Exposure Category D	9.5-27 deg	1 *83	*83	*83	*83	*83	*83	*83	*83	*83	*81	
	2 *83	*83	*83	*83	*83	*83	*75	*63	*54	*47	*41	
	3 *83	*83	*83	*78	*64	*53	*44	*38	X	X	X	
	28-45 deg	1 *79	*79	*79	*79	*79	*79	*79	*79	*79	*74	
	2 *79	*79	*79	*79	*79	*79	*79	*79	*77	*67	*59	
	3 *79	*79	*79	*79	*79	*79	*79	*79	*77	*67	*59	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	28-45 deg	1 X	X	X	X	X	X	X	X	X	X
		2 X	X	X	X	X	X	X	X	X	X	X
		3 X	X	X	X	X	X	X	X	X	X	X
	Exposure Category D	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X
		2 X	X	X	X	X	X	X	X	X	X	X
		3 X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1 X	X	X	X	X	X	X	X	X	X
		2 X	X	X	X	X	X	X	X	X	X	X
		3 X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-27 deg	1 *81	*81	*81	*81	*81	*81	*81	*81	*76	*67	
	2 *81	*81	*81	*81	*81	*73	*61	*51	*44	*38	X	
	3 *81	*80	*64	*52	*43	X	X	X	X	X	X	
	28-45 deg	1 *77	*77	*77	*77	*77	*77	*77	*77	*69	*61	
	2 *77	*77	*77	*77	*77	*77	*77	*74	*64	*56	*49	
	3 *77	*77	*77	*77	*77	*77	*77	*74	*64	*56	*49	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	44	42	40	38	36	34	32	29	25	22
			2	44	41	33	27	23	19	17	14	13	11
			3	32	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	56	51	45	40	35	31	27	24	21	18	16
			2	56	51	45	39	33	28	24	21	18	16
			3	56	51	45	39	33	28	24	21	18	16
	Exposure Category C	9.5-27 deg	1	41	38	36	33	31	27	23	20	18	16
			2	35	28	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	47	41	35	30	26	23	20	18	16	14	11
			2	47	40	33	27	23	19	17	15	13	11
			3	47	40	33	27	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	39	36	33	31	26	22	19	17	15	13	
		2	29	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	42	35	30	26	22	19	17	15	13	11	9	
		2	42	33	27	22	19	16	14	12	11	9	
		3	42	33	27	22	19	16	14	12	11	9	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	25	25	25	25	24	23	22	22	21	20
			2	25	25	25	25	23	19	17	14	13	11
			3	25	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	44	41	37	34	31	29	26	24	22	19	16
			2	44	41	37	34	31	28	24	21	18	16
			3	44	41	37	34	31	28	24	21	18	16
	Exposure Category C	9.5-27 deg	1	25	25	24	23	22	21	20	19	18	16
			2	25	25	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	38	35	31	28	25	23	20	18	16	14	11
			2	38	35	31	27	23	19	17	15	13	11
			3	38	35	31	27	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	25	24	23	22	21	20	19	17	15	13	
		2	25	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	37	33	29	26	22	19	17	15	13	11	9	
		2	37	33	27	22	19	16	14	12	11	9	
		3	37	33	27	22	19	16	14	12	11	9	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	25	25	25	25	24	23	22	22	21	20
			2	25	25	25	25	23	19	17	14	13	11
			3	25	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	37	34	32	29	27	25	23	22	20	19	16
			2	37	34	32	29	27	25	23	21	18	16
			3	37	34	32	29	27	25	23	21	18	16
	Exposure Category C	9.5-27 deg	1	25	25	24	23	22	21	20	19	18	16
			2	25	25	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	32	30	27	25	23	21	19	17	16	14	11
			2	32	30	27	25	23	19	17	15	13	11
			3	32	30	27	25	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	25	24	23	22	21	20	19	17	15	13	
		2	25	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	32	29	26	23	21	19	17	15	13	11	9	
		2	32	29	26	22	19	16	14	12	11	9	
		3	32	29	26	22	19	16	14	12	11	9	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	22	22	22	22	22	21	20	20	19	18
			2	22	22	22	22	22	19	17	14	13	11
			3	22	22	21	17	14	12	11	9	*8	*7
	28-45 deg	1	31	29	27	26	24	22	21	20	18	17	16
			2	31	29	27	26	24	22	21	20	18	16
			3	31	29	27	26	24	22	21	20	18	16
	Exposure Category C	9.5-27 deg	1	22	22	22	21	20	19	18	17	17	16
			2	22	22	22	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	28	26	24	22	20	19	17	16	15	14	11
			2	28	26	24	22	20	19	17	15	13	11
			3	28	26	24	22	20	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	24	24	23	22	20	19	18	17	15	13	
		2	24	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	28	26	23	21	19	18	16	15	13	11	9	
		2	28	26	23	21	19	16	14	12	11	9	
		3	28	26	23	21	19	16	14	12	11	9	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	18	18	17	16	16	
			2	18	18	18	18	18	18	17	14	13	11	
			3	18	18	18	17	14	12	11	9	*8	*7	
	Exposure Category C	9.5-27 deg	1	27	26	24	23	22	20	19	18	17	16	
			2	27	26	24	23	22	20	19	18	17	16	
			3	27	26	24	23	22	20	19	18	17	16	
	Exposure Category D	9.5-27 deg	1	18	18	18	18	17	17	16	15	15	14	
			2	18	18	18	18	16	13	12	10	9	*8	
			3	18	18	14	12	10	8	*7	*6	X	X	
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	25	23	22	20	19	17	16	15	14	13
				2	25	23	22	20	19	17	16	15	13	11
				3	25	23	22	20	19	17	16	15	13	11
Exposure Category C		9.5-27 deg	1	20	20	20	19	18	17	16	15	15	13	
			2	20	20	19	16	13	11	10	8	*7	*6	
			3	18	15	12	10	*8	*7	*6	X	X	X	
Exposure Category D		9.5-27 deg	1	25	23	21	19	18	16	15	14	13	11	
			2	25	23	21	19	18	16	14	12	11	9	
			3	25	23	21	19	18	16	14	12	11	9	
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	*15	*15	*15	*15	*15	*15	*15	*15	*15	*14
				2	*15	*15	*15	*15	*15	*15	*15	*14	*13	*11
				3	*15	*15	*15	*15	*14	*12	*11	*9	*8	*7
	Exposure Category C	9.5-27 deg	1	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
			2	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
			3	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
	Exposure Category D	9.5-27 deg	1	*15	*15	*15	*15	*15	*15	*14	*14	*13	*13	
			2	*15	*15	*15	*15	*15	*13	*12	*10	*9	*8	
			3	*15	*15	*14	*12	*10	*8	*7	*6	X	X	
	Snow 71-80 PSF	Exposure Category B	9.5-27 deg	1	*22	*21	*19	*18	*17	*16	*15	*14	*13	*12
				2	*22	*21	*19	*18	*17	*16	*15	*14	*13	*11
				3	*22	*21	*19	*18	*17	*16	*15	*14	*13	*11
Exposure Category C		9.5-27 deg	1	17	17	17	17	16	15	15	14	13	13	
			2	17	17	17	16	13	11	10	8	*7	*6	
			3	17	15	12	10	*8	*7	*6	X	X	X	
Exposure Category D		9.5-27 deg	1	*23	*21	*19	*18	*17	*15	*14	*13	*12	*11	
			2	*23	*21	*19	*18	*17	*15	*14	*12	*11	*9	
			3	*23	*21	*19	*18	*17	*15	*14	*12	*11	*9	
Snow 81-90 PSF		Exposure Category B	9.5-27 deg	1	*13	*13	*13	*13	*13	*13	*13	*13	*13	*13
				2	*13	*13	*13	*13	*13	*13	*13	*13	*13	*11
				3	*13	*13	*13	*13	*13	*12	*11	*9	*8	*7
	Exposure Category C	9.5-27 deg	1	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
			2	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
			3	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
	Exposure Category D	9.5-27 deg	1	*13	*13	*13	*13	*13	*13	*13	*12	*12	*11	
			2	*13	*13	*13	*13	*13	*13	*12	*10	*9	*8	
			3	*13	*13	*13	*12	*10	*8	*7	*6	X	X	
	Snow 91-100 PSF	Exposure Category B	9.5-27 deg	1	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
				2	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
				3	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
Exposure Category C		9.5-27 deg	1	*15	*15	*15	*15	*14	*14	*13	*13	*12	*12	
			2	*15	*15	*15	*15	*13	*11	*10	*8	*7	*6	
			3	*15	*15	*12	*10	*8	*7	*6	X	X	X	
Exposure Category D	9.5-27 deg	1	*21	*19	*18	*17	*15	*14	*13	*12	*11	*11		
		2	*21	*19	*18	*17	*15	*14	*13	*12	*11	*9		
		3	*21	*19	*18	*17	*15	*14	*13	*12	*11	*9		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	37	35	33	32	30	28	27	24	21	19
			2	37	34	27	23	19	16	14	12	11	9
			3	27	21	17	14	12	10	9	*8	*7	X
		28-45 deg	1	47	42	38	33	29	26	23	20	18	16
			2	47	42	38	32	27	23	20	17	15	13
			3	47	42	38	32	27	23	20	17	15	13
	Exposure Category C	9.5-27 deg	1	34	32	30	28	26	22	19	17	15	13
			2	29	23	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
		28-45 deg	1	39	34	29	25	22	19	17	15	13	11
			2	39	34	27	22	19	16	14	12	11	9
			3	39	34	27	22	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	32	30	28	26	22	19	16	14	12	11	
		2	24	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
	28-45 deg	1	35	30	25	22	19	16	14	12	11	10	
		2	35	28	23	19	16	13	12	10	9	*8	
		3	35	28	23	19	16	13	12	10	9	*8	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	21	21	21	21	20	20	19	18	17	16
			2	21	21	21	21	19	16	14	12	11	9
			3	21	21	17	14	12	10	9	*8	*7	X
		28-45 deg	1	37	34	31	28	26	24	22	20	18	16
			2	37	34	31	28	26	23	20	17	15	13
			3	37	34	31	28	26	23	20	17	15	13
	Exposure Category C	9.5-27 deg	1	21	21	20	19	18	18	17	16	15	13
			2	21	21	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
		28-45 deg	1	32	29	26	23	21	19	17	15	13	11
			2	32	29	26	22	19	16	14	12	11	9
			3	32	29	26	22	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	21	20	19	18	17	16	16	14	12	11	
		2	21	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
	28-45 deg	1	31	27	24	22	19	16	14	12	11	10	
		2	31	27	23	19	16	13	12	10	9	*8	
		3	31	27	23	19	16	13	12	10	9	*8	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	21	21	21	21	20	20	19	18	17	16
			2	21	21	21	21	19	16	14	12	11	9
			3	21	21	17	14	12	10	9	*8	*7	X
		28-45 deg	1	31	28	26	24	23	21	19	18	17	15
			2	31	28	26	24	23	21	19	17	15	13
			3	31	28	26	24	23	21	19	17	15	13
	Exposure Category C	9.5-27 deg	1	21	21	20	19	18	18	17	16	15	13
			2	21	21	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
		28-45 deg	1	27	25	23	21	19	17	16	14	13	11
			2	27	25	23	21	19	16	14	12	11	9
			3	27	25	23	21	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	21	20	19	18	17	16	16	14	12	11	
		2	21	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
	28-45 deg	1	27	24	22	19	18	16	14	12	11	10	
		2	27	24	22	19	16	13	12	10	9	*8	
		3	27	24	22	19	16	13	12	10	9	*8	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	18	17	16	16	15
			2	18	18	18	18	18	16	14	12	11	9
			3	18	18	17	14	12	10	9	*8	*7	X
		28-45 deg	1	26	24	23	21	20	19	17	16	15	14
			2	26	24	23	21	20	19	17	16	15	13
			3	26	24	23	21	20	19	17	16	15	13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	17	16	15	15	14	13
			2	18	18	18	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
		28-45 deg	1	23	22	20	18	17	16	14	13	12	11
			2	23	22	20	18	17	16	14	12	11	9
			3	23	22	20	18	17	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	20	20	19	18	17	16	15	14	12	11	
		2	20	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
	28-45 deg	1	23	21	19	18	16	15	13	12	11	10	
		2	23	21	19	18	16	13	12	10	9	*8	
		3	23	21	19	18	16	13	12	10	9	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1 *15	*15	*15	*15	*15	*15	*15	*14	*14	*13
		2 *15	*15	*15	*15	*15	*15	*14	*12	*11	*9	
		3 *15	*15	*15	*15	*14	*12	*10	*9	*8	*7	X
	Exposure Category C	9.5-27 deg	1 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13
		2 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13	*12
		3 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13	*12
	Exposure Category D	9.5-27 deg	1 *15	*15	*15	*15	*14	*14	*13	*13	*12	*12
		2 *15	*15	*12	*10	*8	*7	*6	X	X	X	X
		3 *15	*15	*12	*10	*8	*7	*6	X	X	X	X
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1 *21	*19	*18	*17	*15	*14	*13	*12	*11
			2 *21	*19	*18	*16	*15	*13	*12	*10	*9	*8
			3 *21	*19	*18	*16	*15	*13	*12	*10	*9	*8
Exposure Category C		9.5-27 deg	1 *13	*13	*13	*13	*13	*13	*12	*11	*11	*11
		2 *13	*13	*13	*13	*13	*12	*10	*9	*8	*7	*6
		3 *13	*13	*12	*10	*8	*7	*6	X	X	X	X
Exposure Category D		9.5-27 deg	1 *18	*17	*16	*15	*14	*13	*12	*11	*11	*10
		2 *18	*17	*16	*15	*14	*13	*12	*11	*11	*9	*9
		3 *18	*17	*16	*15	*14	*13	*12	*11	*11	*9	*9
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1 *14	*14	*14	*14	*13	*13	*12	*12	*11
			2 *14	*14	*12	*10	*8	*7	X	X	X	X
			3 *14	*12	*10	*8	*7	X	X	X	X	X
	Exposure Category C	9.5-27 deg	1 *19	*17	*16	*15	*14	*13	*12	*11	*10	*9
		2 *19	*17	*16	*15	*14	*13	*12	*10	*9	*8	*8
		3 *19	*17	*16	*15	*14	*13	*12	*10	*9	*8	*8
	Exposure Category D	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X
		2 X	X	X	X	X	X	X	X	X	X	X
		3 X	X	X	X	X	X	X	X	X	X	X
	Exposure Category B	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X
		2 X	X	X	X	X	X	X	X	X	X	X
		3 X	X	X	X	X	X	X	X	X	X	X
Exposure Category C	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X	
	2 X	X	X	X	X	X	X	X	X	X	X	
	3 X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-27 deg	1 *12	*12	*12	*12	*12	*11	*11	*11	*10	*10	
	2 *12	*12	*12	*12	*12	*11	*9	*8	*7	*6	X	
	3 *12	*12	*10	*8	*7	X	X	X	X	X	X	
Exposure Category B	9.5-27 deg	1 *17	*16	*15	*14	*13	*12	*11	*10	*10	*9	
	2 *17	*16	*15	*14	*13	*12	*11	*10	*9	*8	*8	
	3 *17	*16	*15	*14	*13	*12	*11	*10	*9	*8	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	44	42	40	38	36	34	32	29	25	22
			2	44	41	33	27	23	19	17	14	13	11
			3	32	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	56	51	45	40	35	31	27	24	21	18	16
			2	56	51	45	39	33	28	24	21	18	16
			3	56	51	45	39	33	28	24	21	18	16
	Exposure Category C	9.5-27 deg	1	41	38	36	33	31	27	23	20	18	16
			2	35	28	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	47	41	35	30	26	23	20	18	16	14	11
			2	47	40	33	27	23	19	17	15	13	11
			3	47	40	33	27	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	39	36	33	31	26	22	19	17	15	13	
		2	29	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	42	35	30	26	22	19	17	15	13	11	9	
		2	42	33	27	22	19	16	14	12	11	9	
		3	42	33	27	22	19	16	14	12	11	9	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	25	25	25	25	24	23	22	22	21	20
			2	25	25	25	25	23	19	17	14	13	11
			3	25	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	44	41	37	34	31	29	26	24	22	19	16
			2	44	41	37	34	31	28	24	21	18	16
			3	44	41	37	34	31	28	24	21	18	16
	Exposure Category C	9.5-27 deg	1	25	25	24	23	22	21	20	19	18	16
			2	25	25	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	38	35	31	28	25	23	20	18	16	14	11
			2	38	35	31	27	23	19	17	15	13	11
			3	38	35	31	27	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	25	24	23	22	21	20	19	17	15	13	
		2	25	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	37	33	29	26	22	19	17	15	13	11	9	
		2	37	33	27	22	19	16	14	12	11	9	
		3	37	33	27	22	19	16	14	12	11	9	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	25	25	25	25	24	23	22	22	21	20
			2	25	25	25	25	23	19	17	14	13	11
			3	25	25	21	17	14	12	11	9	*8	*7
	28-45 deg	1	37	34	32	29	27	25	23	22	20	19	16
			2	37	34	32	29	27	25	23	21	18	16
			3	37	34	32	29	27	25	23	21	18	16
	Exposure Category C	9.5-27 deg	1	25	25	24	23	22	21	20	19	18	16
			2	25	25	23	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	32	30	27	25	23	21	19	17	16	14	11
			2	32	30	27	25	23	19	17	15	13	11
			3	32	30	27	25	23	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	25	24	23	22	21	20	19	17	15	13	
		2	25	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	32	29	26	23	21	19	17	15	13	11	9	
		2	32	29	26	22	19	16	14	12	11	9	
		3	32	29	26	22	19	16	14	12	11	9	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	22	22	22	22	22	21	20	20	19	18
			2	22	22	22	22	22	19	17	14	13	11
			3	22	22	21	17	14	12	11	9	*8	*7
	28-45 deg	1	31	29	27	26	24	22	21	20	18	17	16
			2	31	29	27	26	24	22	21	20	18	16
			3	31	29	27	26	24	22	21	20	18	16
	Exposure Category C	9.5-27 deg	1	22	22	22	21	20	19	18	17	17	16
			2	22	22	22	19	16	13	12	10	9	*8
			3	22	18	14	12	10	8	*7	*6	X	X
	28-45 deg	1	28	26	24	22	20	19	17	16	15	14	11
			2	28	26	24	22	20	19	17	15	13	11
			3	28	26	24	22	20	19	17	15	13	11
Exposure Category D	9.5-27 deg	1	24	24	23	22	20	19	18	17	15	13	
		2	24	23	19	16	13	11	10	8	*7	*6	
		3	18	15	12	10	*8	*7	*6	X	X	X	
28-45 deg	1	28	26	23	21	19	18	16	15	13	11	9	
		2	28	26	23	21	19	16	14	12	11	9	
		3	28	26	23	21	19	16	14	12	11	9	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	18	18	17	16	16	
			2	18	18	18	18	18	18	17	14	13	11	
			3	18	18	18	17	14	12	11	9	*8	*7	
	Exposure Category C	9.5-27 deg	1	27	26	24	23	22	20	19	18	17	16	
			2	27	26	24	23	22	20	19	18	17	16	
			3	27	26	24	23	22	20	19	18	17	16	
	Exposure Category D	9.5-27 deg	1	18	18	18	18	17	17	16	15	15	14	
			2	18	18	18	18	16	13	12	10	9	*8	
			3	18	18	14	12	10	8	*7	*6	X	X	
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	25	23	22	20	19	17	16	15	14	13
				2	25	23	22	20	19	17	16	15	14	13
				3	25	23	22	20	19	17	16	15	13	11
Exposure Category C		9.5-27 deg	1	20	20	20	19	18	17	16	15	15	13	
			2	20	20	19	16	13	11	10	8	*7	*6	
			3	18	15	12	10	*8	*7	*6	X	X	X	
Exposure Category D		9.5-27 deg	1	25	23	21	19	18	16	15	14	13	11	
			2	25	23	21	19	18	16	14	12	11	9	
			3	25	23	21	19	18	16	14	12	11	9	
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	*15	*15	*15	*15	*15	*15	*15	*15	*15	*14
				2	*15	*15	*15	*15	*15	*15	*15	*14	*13	*11
				3	*15	*15	*15	*15	*14	*12	*11	*9	*8	*7
	Exposure Category C	9.5-27 deg	1	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
			2	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
			3	*24	*23	*22	*21	*20	*18	*17	*16	*15	*15	
	Exposure Category D	9.5-27 deg	1	*15	*15	*15	*15	*15	*15	*14	*14	*13	*13	
			2	*15	*15	*15	*15	*15	*13	*12	*10	*9	*8	
			3	*15	*15	*14	*12	*10	*8	*7	*6	X	X	
	Snow 71-80 PSF	Exposure Category B	9.5-27 deg	1	*22	*21	*19	*18	*17	*16	*15	*14	*13	*12
				2	*22	*21	*19	*18	*17	*16	*15	*14	*13	*11
				3	*22	*21	*19	*18	*17	*16	*15	*14	*13	*11
Exposure Category C		9.5-27 deg	1	17	17	17	17	16	15	15	14	13	13	
			2	17	17	17	16	13	11	10	8	*7	*6	
			3	17	15	12	10	*8	*7	*6	X	X	X	
Exposure Category D		9.5-27 deg	1	*23	*21	*19	*18	*17	*15	*14	*13	*12	*11	
			2	*23	*21	*19	*18	*17	*15	*14	*12	*11	*9	
			3	*23	*21	*19	*18	*17	*15	*14	*12	*11	*9	
Snow 81-90 PSF		Exposure Category B	9.5-27 deg	1	*13	*13	*13	*13	*13	*13	*13	*13	*13	*13
				2	*13	*13	*13	*13	*13	*13	*13	*13	*13	*11
				3	*13	*13	*13	*13	*13	*12	*11	*9	*8	*7
	Exposure Category C	9.5-27 deg	1	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
			2	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
			3	*21	*21	*20	*19	*18	*17	*16	*15	*14	*14	
	Exposure Category D	9.5-27 deg	1	*13	*13	*13	*13	*13	*13	*13	*12	*12	*11	
			2	*13	*13	*13	*13	*13	*13	*12	*10	*9	*8	
			3	*13	*13	*13	*12	*10	*8	*7	*6	X	X	
	Snow 91-100 PSF	Exposure Category B	9.5-27 deg	1	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
				2	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
				3	*20	*19	*18	*17	*16	*15	*14	*13	*12	*11
Exposure Category C		9.5-27 deg	1	*15	*15	*15	*15	*14	*14	*13	*13	*12	*12	
			2	*15	*15	*15	*15	*13	*11	*10	*8	*7	*6	
			3	*15	*15	*12	*10	*8	*7	*6	X	X	X	
Exposure Category D		9.5-27 deg	1	*21	*19	*18	*17	*15	*14	*13	*12	*11	*11	
			2	*21	*19	*18	*17	*15	*14	*13	*12	*11	*9	
			3	*21	*19	*18	*17	*15	*14	*13	*12	*11	*9	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	37	35	33	32	30	28	27	24	21	19
			2	37	34	27	23	19	16	14	12	11	9
			3	27	21	17	14	12	10	9	*8	*7	X
	28-45 deg		1	47	42	38	33	29	26	23	20	18	16
			2	47	42	38	32	27	23	20	17	15	13
			3	47	42	38	32	27	23	20	17	15	13
	Exposure Category C	9.5-27 deg	1	34	32	30	28	26	22	19	17	15	13
			2	29	23	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
	28-45 deg		1	39	34	29	25	22	19	17	15	13	11
			2	39	34	27	22	19	16	14	12	11	9
			3	39	34	27	22	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	32	30	28	26	22	19	16	14	12	11	
		2	24	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
28-45 deg		1	35	30	25	22	19	16	14	12	11	10	
		2	35	28	23	19	16	13	12	10	9	*8	
		3	35	28	23	19	16	13	12	10	9	*8	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	21	21	21	21	20	20	19	18	17	16
			2	21	21	21	21	19	16	14	12	11	9
			3	21	21	17	14	12	10	9	*8	*7	X
	28-45 deg		1	37	34	31	28	26	24	22	20	18	16
			2	37	34	31	28	26	23	20	17	15	13
			3	37	34	31	28	26	23	20	17	15	13
	Exposure Category C	9.5-27 deg	1	21	21	20	19	18	18	17	16	15	13
			2	21	21	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
	28-45 deg		1	32	29	26	23	21	19	17	15	13	11
			2	32	29	26	22	19	16	14	12	11	9
			3	32	29	26	22	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	21	20	19	18	17	16	16	14	12	11	
		2	21	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
28-45 deg		1	31	27	24	22	19	16	14	12	11	10	
		2	31	27	23	19	16	13	12	10	9	*8	
		3	31	27	23	19	16	13	12	10	9	*8	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	21	21	21	21	20	20	19	18	17	16
			2	21	21	21	21	19	16	14	12	11	9
			3	21	21	17	14	12	10	9	*8	*7	X
	28-45 deg		1	31	28	26	24	23	21	19	18	17	15
			2	31	28	26	24	23	21	19	17	15	13
			3	31	28	26	24	23	21	19	17	15	13
	Exposure Category C	9.5-27 deg	1	21	21	20	19	18	18	17	16	15	13
			2	21	21	19	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
	28-45 deg		1	27	25	23	21	19	17	16	14	13	11
			2	27	25	23	21	19	16	14	12	11	9
			3	27	25	23	21	19	16	14	12	11	9
Exposure Category D	9.5-27 deg	1	21	20	19	18	17	16	16	14	12	11	
		2	21	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
28-45 deg		1	27	24	22	19	18	16	14	12	11	10	
		2	27	24	22	19	16	13	12	10	9	*8	
		3	27	24	22	19	16	13	12	10	9	*8	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	18	17	16	16	15
			2	18	18	18	18	18	16	14	12	11	9
			3	18	18	17	14	12	10	9	*8	*7	X
	28-45 deg		1	*26	*24	*23	*21	*20	*19	*17	*16	*15	*14
			2	*26	*24	*23	*21	*20	*19	*17	*16	*15	*13
			3	*26	*24	*23	*21	*20	*19	*17	*16	*15	*13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	17	16	15	15	14	13
			2	18	18	18	16	13	11	10	*8	*7	*6
			3	18	15	12	10	*8	*7	*6	X	X	X
	28-45 deg		1	*23	*22	*20	*18	*17	*16	*14	*13	*12	*11
			2	*23	*22	*20	*18	*17	*16	*14	*12	*11	*9
			3	*23	*22	*20	*18	*17	*16	*14	*12	*11	*9
Exposure Category D	9.5-27 deg	1	20	20	19	18	17	16	15	14	12	11	
		2	20	19	16	13	11	9	*8	*7	*6	X	
		3	15	12	10	*8	*7	X	X	X	X	X	
28-45 deg		1	23	21	19	18	16	15	13	12	11	10	
		2	23	21	19	18	16	13	12	10	9	*8	
		3	23	21	19	18	16	13	12	10	9	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1 *15	*15	*15	*15	*15	*15	*15	*14	*14	*13	
		2 *15	*15	*15	*15	*15	*15	*14	*12	*11	*9		
		3 *15	*15	*15	*15	*14	*12	*10	*9	*8	*7	X	
	Exposure Category C	9.5-27 deg	1 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13	
		2 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13	*12	
		3 *23	*21	*20	*19	*18	*17	*16	*15	*14	*13	*12	
	Exposure Category D	9.5-27 deg	1 *17	*17	*16	*16	*15	*14	*13	*13	*12	*11	
		2 *17	*17	*16	*16	*13	*11	*9	*8	*7	*6	X	
		3 *15	*12	*10	*8	*7	X	X	X	X	X	X	
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1 *13	*13	*13	*13	*13	*13	*13	*12	*11	*9
			2 *13	*13	*13	*13	*13	*12	*10	*9	*8	*7	X
			3 *13	*13	*13	*13	*12	*10	*8	*7	X	X	X
Exposure Category C		9.5-27 deg	1 *20	*19	*18	*17	*16	*15	*14	*14	*13	*12	
		2 *20	*19	*18	*17	*16	*15	*14	*14	*14	*13	*12	
		3 *20	*19	*18	*17	*16	*15	*14	*14	*14	*13	*12	
Exposure Category D		9.5-27 deg	1 *13	*13	*13	*13	*13	*12	*12	*11	*11	*11	
		2 *13	*13	*13	*13	*13	*13	*11	*10	*8	*7	*6	
		3 *13	*13	*13	*12	*10	*8	*7	*6	X	X	X	
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1 *18	*17	*16	*15	*14	*13	*12	*11	*11	*10
			2 *18	*17	*16	*15	*14	*13	*12	*11	*11	*10	*9
			3 *18	*17	*16	*15	*14	*13	*12	*11	*11	*10	*9
	Exposure Category C	9.5-27 deg	1 *14	*14	*14	*14	*13	*13	*12	*12	*11	*11	
		2 *14	*14	*12	*10	*8	*7	X	X	X	X	X	
		3 *14	*12	*10	*8	*7	X	X	X	X	X	X	
	Exposure Category D	9.5-27 deg	1 *19	*17	*16	*15	*14	*13	*12	*11	*10	*9	
		2 *19	*17	*16	*15	*14	*13	*12	*11	*10	*9	*8	
		3 *19	*17	*16	*15	*14	*13	*12	*11	*10	*9	*8	
	Snow 71-80 PSF	Exposure Category B	9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X
			2 X	X	X	X	X	X	X	X	X	X	X
			3 X	X	X	X	X	X	X	X	X	X	X
Exposure Category C		9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D		9.5-27 deg	1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
Snow 81-90 PSF		Exposure Category B	9.5-27 deg	1 *12	*12	*12	*12	*12	*11	*11	*11	*10	*10
			2 *12	*12	*12	*12	*12	*11	*9	*8	*7	*6	X
			3 *12	*12	*10	*8	*7	X	X	X	X	X	X
	Exposure Category C	9.5-27 deg	1 *17	*16	*15	*14	*13	*12	*11	*10	*10	*9	
		2 *17	*16	*15	*14	*13	*12	*11	*10	*10	*9	*8	
		3 *17	*16	*15	*14	*13	*12	*11	*10	*10	*9	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	75	72	69	65	61	58	55	49	43	38
		2	75	72	58	46	38	33	28	25	22	19
		3	55	43	35	29	24	21	18	16	*12	*12
	28-45 deg	1	96	86	77	68	59	52	46	41	37	33
		2	96	86	77	68	56	47	40	35	31	27
		3	96	86	77	68	56	47	40	35	31	27
	Exposure Category C	9.5-27 deg 1	70	66	61	57	53	45	39	34	30	26
		2	63	48	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	80	70	59	51	44	38	34	30	26	23
		2	80	70	56	46	38	33	28	25	22	19
		3	80	70	56	46	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	66	62	57	53	44	38	32	28	25	22	
	2	50	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	72	60	51	43	38	33	29	25	22	19	
	2	72	57	46	38	32	27	24	21	18	16	
	3	72	57	46	38	32	27	24	21	18	16	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	43	43	43	43	41	39	38	36	35	33
		2	43	43	43	43	38	33	28	25	22	19
		3	43	43	35	29	24	21	18	16	*14	*12
	28-45 deg	1	75	69	63	58	53	48	44	41	37	33
		2	75	69	63	58	53	47	40	35	31	27
		3	75	69	63	58	53	47	40	35	31	27
	Exposure Category C	9.5-27 deg 1	43	43	41	39	37	35	34	32	30	26
		2	43	43	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	65	59	53	47	43	38	34	30	26	23
		2	65	59	53	46	38	33	28	25	22	19
		3	65	59	53	46	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	43	41	39	37	35	33	32	28	25	22	
	2	43	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	62	55	49	43	38	33	29	25	22	19	
	2	62	55	46	38	32	27	24	21	18	16	
	3	62	55	46	38	32	27	24	21	18	16	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	43	43	43	43	41	39	38	36	35	33
		2	43	43	43	43	38	33	28	25	22	19
		3	43	43	35	29	24	21	18	16	*14	*12
	28-45 deg	1	62	58	53	49	46	42	39	36	34	31
		2	62	58	53	49	46	42	39	35	31	27
		3	62	58	53	49	46	42	39	35	31	27
	Exposure Category C	9.5-27 deg 1	43	43	41	39	37	35	34	32	30	26
		2	43	43	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	55	50	46	42	38	35	32	29	26	23
		2	55	50	46	42	38	33	28	25	22	19
		3	55	50	46	42	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	43	41	39	37	35	33	32	28	25	22	
	2	43	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	54	48	44	39	36	32	29	25	22	19	
	2	54	48	44	38	32	27	24	21	18	16	
	3	54	48	44	38	32	27	24	21	18	16	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	37	37	37	37	37	36	34	33	32	31
		2	37	37	37	37	37	33	28	25	22	19
		3	37	37	35	29	24	21	18	16	*14	*12
	28-45 deg	1	53	49	46	43	40	38	35	33	31	29
		2	53	49	46	43	40	38	35	33	31	27
		3	53	49	46	43	40	38	35	33	31	27
	Exposure Category C	9.5-27 deg 1	37	37	37	35	34	32	31	29	28	26
		2	37	37	37	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	47	44	40	37	34	32	29	27	25	23
		2	47	44	40	37	34	32	28	25	22	19
		3	47	44	40	37	34	32	28	25	22	19
Exposure Category D	9.5-27 deg 1	41	40	38	36	34	33	31	28	25	22	
	2	41	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	47	43	39	36	33	30	27	25	22	19	
	2	47	43	39	36	32	27	24	21	18	16	
	3	47	43	39	36	32	27	24	21	18	16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	30	30	30	29	28	27
			2	30	30	30	30	30	30	28	25	22	19
			3	30	30	30	29	24	21	18	16	*14	*12
		28-45 deg	1	46	43	41	39	36	34	32	30	28	27
			2	46	43	41	39	36	34	32	30	28	27
			3	46	43	41	39	36	34	32	30	28	27
	Exposure Category C	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	27	23	20	17	15	*13
			3	30	30	24	20	17	15	*13	*11	X	X
		28-45 deg	1	42	39	36	34	31	29	27	25	23	22
			2	42	39	36	34	31	29	27	25	22	19
			3	42	39	36	34	31	29	27	25	22	19
Exposure Category D	9.5-27 deg	1	34	34	33	32	30	29	27	26	25	22	
		2	34	34	32	26	22	19	16	14	*13	*11	
		3	31	25	20	17	*14	*12	*10	X	X	X	
	28-45 deg	1	42	39	36	33	30	28	25	23	22	19	
		2	42	39	36	33	30	27	24	21	18	16	
		3	42	39	36	33	30	27	24	21	18	16	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*25	*25	*25	*25	*25	*25	*25	*25	*25	*24
			2	*25	*25	*25	*25	*25	*25	*25	*25	*22	*19
			3	*25	*25	*25	*25	*24	*21	*18	*16	*14	*12
		28-45 deg	1	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
			2	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
			3	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
	Exposure Category C	9.5-27 deg	1	*25	*25	*25	*25	*25	*25	*24	*23	*22	*21
			2	*25	*25	*25	*25	*25	*23	*20	*17	*15	*13
			3	*25	*25	*24	*20	*17	*15	*13	*11	X	X
		28-45 deg	1	*37	*35	*33	*31	*29	*27	*25	*23	*22	*20
			2	*37	*35	*33	*31	*29	*27	*25	*23	*22	*19
			3	*37	*35	*33	*31	*29	*27	*25	*23	*22	*19
Exposure Category D	9.5-27 deg	1	28	28	28	28	27	26	25	24	22	21	
		2	28	28	28	26	22	19	16	14	*13	*11	
		3	28	25	20	17	*14	*12	*10	X	X	X	
	28-45 deg	1	*38	*35	*33	*30	*28	*26	*24	*22	*20	*19	
		2	*38	*35	*33	*30	*28	*26	*24	*21	*18	*16	
		3	*38	*35	*33	*30	*28	*26	*24	*21	*18	*16	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1	*22	*22	*22	*22	*22	*22	*22	*22	*22	*21
			2	*22	*22	*22	*22	*22	*22	*22	*22	*22	*19
			3	*22	*22	*22	*22	*22	*21	*18	*16	*14	*12
		28-45 deg	1	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
			2	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
			3	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
	Exposure Category C	9.5-27 deg	1	*22	*22	*22	*22	*22	*22	*22	*21	*20	*19
			2	*22	*22	*22	*22	*22	*22	*20	*17	*15	*13
			3	*22	*22	*22	*20	*17	*15	*13	*11	X	X
		28-45 deg	1	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
			2	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
			3	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
Exposure Category D	9.5-27 deg	1	*25	*25	*25	*25	*24	*23	*22	*21	*21	*20	
		2	*25	*25	*25	*25	*22	*19	*16	*14	*13	*11	
		3	*25	*25	*20	*17	*14	*12	*10	X	X	X	
	28-45 deg	1	*35	*32	*30	*28	*26	*24	*23	*21	*19	*18	
		2	*35	*32	*30	*28	*26	*24	*23	*21	*18	*16	
		3	*35	*32	*30	*28	*26	*24	*23	*21	*18	*16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	74	71	68	64	61	57	54	48	42	37
			2	74	71	58	46	38	32	28	24	21	19
			3	55	43	34	28	24	20	18	*15	*13	X
		28-45 deg	1	94	84	76	67	58	51	45	40	36	32
			2	94	84	76	67	56	47	40	34	30	27
			3	94	84	76	67	56	47	40	34	30	27
	Exposure Category C	9.5-27 deg	1	69	65	61	57	53	45	38	33	29	26
			2	63	48	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	79	69	58	50	43	38	33	29	26	23
			2	79	69	55	45	38	32	28	24	21	19
			3	79	69	55	45	38	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	66	61	57	52	44	37	32	28	24	21	
		2	51	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	71	60	50	43	37	32	28	24	21	19	
		2	71	57	45	37	31	27	23	20	18	*16	
		3	71	57	45	37	31	27	23	20	18	*16	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	42	42	42	42	40	39	37	36	34	33
			2	42	42	42	42	38	32	28	24	21	19
			3	42	42	34	28	24	20	18	*15	*13	X
		28-45 deg	1	74	68	62	57	52	47	43	40	36	32
			2	74	68	62	57	52	47	40	34	30	27
			3	74	68	62	57	52	47	40	34	30	27
	Exposure Category C	9.5-27 deg	1	42	42	40	38	37	35	33	31	29	26
			2	42	42	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	64	58	52	47	42	38	33	29	26	23
			2	64	58	52	45	38	32	28	24	21	19
			3	64	58	52	45	38	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	42	41	38	36	34	33	31	28	24	21	
		2	42	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	61	54	48	43	37	32	28	24	21	19	
		2	61	54	45	37	31	27	23	20	18	*16	
		3	61	54	45	37	31	27	23	20	18	*16	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	42	42	42	42	40	39	37	36	34	33
			2	42	42	42	42	38	32	28	24	21	19
			3	42	42	34	28	24	20	18	*15	*13	X
		28-45 deg	1	61	57	52	49	45	42	38	36	33	31
			2	61	57	52	49	45	42	38	34	30	27
			3	61	57	52	49	45	42	38	34	30	27
	Exposure Category C	9.5-27 deg	1	42	42	40	38	37	35	33	31	29	26
			2	42	42	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	54	49	45	41	37	34	31	29	26	23
			2	54	49	45	41	37	32	28	24	21	19
			3	54	49	45	41	37	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	42	41	38	36	34	33	31	28	24	21	
		2	42	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	53	48	43	39	35	32	28	24	21	19	
		2	53	48	43	37	31	27	23	20	18	*16	
		3	53	48	43	37	31	27	23	20	18	*16	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	36	36	36	36	36	35	34	32	31	30
			2	36	36	36	36	36	32	28	24	21	19
			3	36	36	34	28	24	20	18	*15	*13	X
		28-45 deg	1	52	48	45	42	40	37	35	32	30	28
			2	52	48	45	42	40	37	35	32	30	27
			3	52	48	45	42	40	37	35	32	30	27
	Exposure Category C	9.5-27 deg	1	36	36	36	35	33	32	30	29	27	26
			2	36	36	36	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	47	43	40	36	34	31	29	26	24	23
			2	47	43	40	36	34	31	28	24	21	19
			3	47	43	40	36	34	31	28	24	21	19
Exposure Category D	9.5-27 deg	1	40	39	37	35	34	32	30	28	24	21	
		2	40	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	46	42	38	35	32	29	27	24	21	19	
		2	46	42	38	35	31	27	23	20	18	*16	
		3	46	42	38	35	31	27	23	20	18	*16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	*29	*29	*29	*29	*29	*29	*28	*27	*26		
		2	*29	*29	*29	*29	*29	*29	*28	*24	*21	*19		
		3	*29	*29	*29	*28	*24	*20	*18	*15	*13	X		
	Exposure Category C	9.5-27 deg	1	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26	
		2	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26		
		3	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26		
	Exposure Category D	9.5-27 deg	1	*29	*29	*29	*29	*29	*28	*26	*25	*24	*23	
		2	*29	*29	*29	*29	*26	*22	*19	*17	*15	*13		
		3	*29	*29	*24	*20	*17	*14	*12	X	X	X		
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24
			2	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24	
			3	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24	
Exposure Category C		9.5-27 deg	1	*25	*25	*25	*25	*25	*24	*24	*23	*22	*21	
		2	*25	*25	*25	*25	*25	*22	*19	*17	*15	*13		
		3	*25	*25	*24	*20	*17	*14	*12	X	X	X		
Exposure Category D		9.5-27 deg	1	*37	*34	*32	*30	*28	*26	*24	*23	*21	*20	
		2	*37	*34	*32	*30	*28	*26	*24	*23	*21	*19		
		3	*37	*34	*32	*30	*28	*26	*24	*23	*21	*19		
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-27 deg	1	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	Exposure Category D	9.5-27 deg	1	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	Exposure Category D	9.5-27 deg	1	*24	*24	*24	*24	*24	*23	*22	*21	*20	*19	
			2	*24	*24	*24	*24	*22	*19	*16	*14	*12	X	
			3	*24	*24	*20	*16	*14	X	X	X	X	X	
28-45 deg		1	*34	*32	*30	*28	*26	*24	*22	*20	*19	*18		
		2	*34	*32	*30	*28	*26	*24	*22	*20	*18	*16		
		3	*34	*32	*30	*28	*26	*24	*22	*20	*18	*16		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg 1	75	72	69	65	61	58	55	49	43	38
		2	75	72	58	46	38	33	28	25	22	19
		3	55	43	35	29	24	21	18	16	*12	*12
	28-45 deg	1	96	86	77	68	59	52	46	41	37	33
		2	96	86	77	68	56	47	40	35	31	27
		3	96	86	77	68	56	47	40	35	31	27
	Exposure Category C	9.5-27 deg 1	70	66	61	57	53	45	39	34	30	26
		2	63	48	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	80	70	59	51	44	38	34	30	26	23
		2	80	70	56	46	38	33	28	25	22	19
		3	80	70	56	46	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	66	62	57	53	44	38	32	28	25	22	
	2	50	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	72	60	51	43	38	33	29	25	22	19	
	2	72	57	46	38	32	27	24	21	18	16	
	3	72	57	46	38	32	27	24	21	18	16	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg 1	43	43	43	43	41	39	38	36	35	33
		2	43	43	43	43	38	33	28	25	22	19
		3	43	43	35	29	24	21	18	16	*14	*12
	28-45 deg	1	75	69	63	58	53	48	44	41	37	33
		2	75	69	63	58	53	47	40	35	31	27
		3	75	69	63	58	53	47	40	35	31	27
	Exposure Category C	9.5-27 deg 1	43	43	41	39	37	35	34	32	30	26
		2	43	43	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	65	59	53	47	43	38	34	30	26	23
		2	65	59	53	46	38	33	28	25	22	19
		3	65	59	53	46	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	43	41	39	37	35	33	32	28	25	22	
	2	43	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	62	55	49	43	38	33	29	25	22	19	
	2	62	55	46	38	32	27	24	21	18	16	
	3	62	55	46	38	32	27	24	21	18	16	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg 1	43	43	43	43	41	39	38	36	35	33
		2	43	43	43	43	38	33	28	25	22	19
		3	43	43	35	29	24	21	18	16	*14	*12
	28-45 deg	1	62	58	53	49	46	42	39	36	34	31
		2	62	58	53	49	46	42	39	35	31	27
		3	62	58	53	49	46	42	39	35	31	27
	Exposure Category C	9.5-27 deg 1	43	43	41	39	37	35	34	32	30	26
		2	43	43	38	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	55	50	46	42	38	35	32	29	26	23
		2	55	50	46	42	38	33	28	25	22	19
		3	55	50	46	42	38	33	28	25	22	19
Exposure Category D	9.5-27 deg 1	43	41	39	37	35	33	32	28	25	22	
	2	43	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	54	48	44	39	36	32	29	25	22	19	
	2	54	48	44	38	32	27	24	21	18	16	
	3	54	48	44	38	32	27	24	21	18	16	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg 1	37	37	37	37	37	36	34	33	32	31
		2	37	37	37	37	37	33	28	25	22	19
		3	37	37	35	29	24	21	18	16	*14	*12
	28-45 deg	1	53	49	46	43	40	38	35	33	31	29
		2	53	49	46	43	40	38	35	33	31	27
		3	53	49	46	43	40	38	35	33	31	27
	Exposure Category C	9.5-27 deg 1	37	37	37	35	34	32	31	29	28	26
		2	37	37	37	32	27	23	20	17	15	*13
		3	37	30	24	20	17	15	*13	*11	X	X
	28-45 deg	1	47	44	40	37	34	32	29	27	25	23
		2	47	44	40	37	34	32	28	25	22	19
		3	47	44	40	37	34	32	28	25	22	19
Exposure Category D	9.5-27 deg 1	41	40	38	36	34	33	31	28	25	22	
	2	41	39	32	26	22	19	16	14	*13	*11	
	3	31	25	20	17	*14	*12	*10	X	X	X	
28-45 deg	1	47	43	39	36	33	30	27	25	22	19	
	2	47	43	39	36	32	27	24	21	18	16	
	3	47	43	39	36	32	27	24	21	18	16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	30	30	30	29	28	27
			2	30	30	30	30	30	30	28	25	22	19
			3	30	30	30	29	24	21	18	16	*14	*12
		28-45 deg	1	46	43	41	39	36	34	32	30	28	27
			2	46	43	41	39	36	34	32	30	28	27
			3	46	43	41	39	36	34	32	30	28	27
	Exposure Category C	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	27	23	20	17	15	*13
			3	30	30	24	20	17	15	*13	*11	X	X
		28-45 deg	1	42	39	36	34	31	29	27	25	23	22
			2	42	39	36	34	31	29	27	25	22	19
			3	42	39	36	34	31	29	27	25	22	19
Exposure Category D	9.5-27 deg	1	34	34	33	32	30	29	27	26	25	22	
		2	34	34	32	26	22	19	16	14	*13	*11	
		3	31	25	20	17	*14	*12	*10	X	X	X	
	28-45 deg	1	42	39	36	33	30	28	25	23	22	19	
		2	42	39	36	33	30	27	24	21	18	16	
		3	42	39	36	33	30	27	24	21	18	16	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*25	*25	*25	*25	*25	*25	*25	*25	*25	*24
			2	*25	*25	*25	*25	*25	*25	*25	*25	*22	*19
			3	*25	*25	*25	*25	*24	*21	*18	*16	*14	*12
		28-45 deg	1	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
			2	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
			3	*40	*39	*37	*35	*33	*31	*29	*28	*26	*25
	Exposure Category C	9.5-27 deg	1	*25	*25	*25	*25	*25	*25	*24	*23	*22	*21
			2	*25	*25	*25	*25	*25	*23	*20	*17	*15	*13
			3	*25	*25	*24	*20	*17	*15	*13	*11	X	X
		28-45 deg	1	*37	*35	*33	*31	*29	*27	*25	*23	*22	*20
			2	*37	*35	*33	*31	*29	*27	*25	*23	*22	*19
			3	*37	*35	*33	*31	*29	*27	*25	*23	*22	*19
Exposure Category D	9.5-27 deg	1	28	28	28	28	27	26	25	24	22	21	
		2	28	28	28	26	22	19	16	14	*13	*11	
		3	28	25	20	17	*14	*12	*10	X	X	X	
	28-45 deg	1	*38	*35	*33	*30	*28	*26	*24	*22	*20	*19	
		2	*38	*35	*33	*30	*28	*26	*24	*21	*18	*16	
		3	*38	*35	*33	*30	*28	*26	*24	*21	*18	*16	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1	*22	*22	*22	*22	*22	*22	*22	*22	*22	*21
			2	*22	*22	*22	*22	*22	*22	*22	*22	*22	*19
			3	*22	*22	*22	*22	*22	*21	*18	*16	*14	*12
		28-45 deg	1	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
			2	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
			3	*35	*35	*33	*32	*30	*29	*27	*26	*24	*23
	Exposure Category C	9.5-27 deg	1	*22	*22	*22	*22	*22	*22	*22	*21	*20	*19
			2	*22	*22	*22	*22	*22	*22	*20	*17	*15	*13
			3	*22	*22	*22	*20	*17	*15	*13	*11	X	X
		28-45 deg	1	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
			2	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
			3	*34	*32	*30	*28	*27	*25	*23	*22	*21	*19
Exposure Category D	9.5-27 deg	1	*25	*25	*25	*25	*24	*23	*22	*21	*21	*20	
		2	*25	*25	*25	*25	*22	*19	*16	*14	*13	*11	
		3	*25	*25	*20	*17	*14	*12	*10	X	X	X	
	28-45 deg	1	*35	*32	*30	*28	*26	*24	*23	*21	*19	*18	
		2	*35	*32	*30	*28	*26	*24	*23	*21	*18	*16	
		3	*35	*32	*30	*28	*26	*24	*23	*21	*18	*16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	74	71	68	64	61	57	54	48	42	37
			2	74	71	58	46	38	32	28	24	21	19
			3	55	43	34	28	24	20	18	*15	*13	X
		28-45 deg	1	94	84	76	67	58	51	45	40	36	32
			2	94	84	76	67	56	47	40	34	30	27
			3	94	84	76	67	56	47	40	34	30	27
	Exposure Category C	9.5-27 deg	1	69	65	61	57	53	45	38	33	29	26
			2	63	48	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	79	69	58	50	43	38	33	29	26	23
			2	79	69	55	45	38	32	28	24	21	19
			3	79	69	55	45	38	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	66	61	57	52	44	37	32	28	24	21	
		2	51	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	71	60	50	43	37	32	28	24	21	19	
		2	71	57	45	37	31	27	23	20	18	*16	
		3	71	57	45	37	31	27	23	20	18	*16	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	42	42	42	42	40	39	37	36	34	33
			2	42	42	42	42	38	32	28	24	21	19
			3	42	42	34	28	24	20	18	*15	*13	X
		28-45 deg	1	74	68	62	57	52	47	43	40	36	32
			2	74	68	62	57	52	47	40	34	30	27
			3	74	68	62	57	52	47	40	34	30	27
	Exposure Category C	9.5-27 deg	1	42	42	40	38	37	35	33	31	29	26
			2	42	42	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	64	58	52	47	42	38	33	29	26	23
			2	64	58	52	45	38	32	28	24	21	19
			3	64	58	52	45	38	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	42	41	38	36	34	33	31	28	24	21	
		2	42	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	61	54	48	43	37	32	28	24	21	19	
		2	61	54	45	37	31	27	23	20	18	*16	
		3	61	54	45	37	31	27	23	20	18	*16	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	42	42	42	42	40	39	37	36	34	33
			2	42	42	42	42	38	32	28	24	21	19
			3	42	42	34	28	24	20	18	*15	*13	X
		28-45 deg	1	61	57	52	49	45	42	38	36	33	31
			2	61	57	52	49	45	42	38	34	30	27
			3	61	57	52	49	45	42	38	34	30	27
	Exposure Category C	9.5-27 deg	1	42	42	40	38	37	35	33	31	29	26
			2	42	42	38	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	54	49	45	41	37	34	31	29	26	23
			2	54	49	45	41	37	32	28	24	21	19
			3	54	49	45	41	37	32	28	24	21	19
Exposure Category D	9.5-27 deg	1	42	41	38	36	34	33	31	28	24	21	
		2	42	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	53	48	43	39	35	32	28	24	21	19	
		2	53	48	43	37	31	27	23	20	18	*16	
		3	53	48	43	37	31	27	23	20	18	*16	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	36	36	36	36	36	35	34	32	31	30
			2	36	36	36	36	36	32	28	24	21	19
			3	36	36	34	28	24	20	18	*15	*13	X
		28-45 deg	1	*52	*48	*45	*42	*40	*37	*35	*32	*30	*28
			2	*52	*48	*45	*42	*40	*37	*35	*32	*30	*27
			3	*52	*48	*45	*42	*40	*37	*35	*32	*30	*27
	Exposure Category C	9.5-27 deg	1	36	36	36	35	33	32	30	29	27	26
			2	36	36	36	31	26	22	19	*17	*15	*13
			3	36	29	24	20	*17	*14	*12	X	X	X
		28-45 deg	1	*47	*43	*40	*36	*34	*31	*29	*26	*24	*23
			2	*47	*43	*40	*36	*34	*31	*28	*24	*21	*19
			3	*47	*43	*40	*36	*34	*31	*28	*24	*21	*19
Exposure Category D	9.5-27 deg	1	40	39	37	35	34	32	30	28	24	21	
		2	40	39	31	26	22	19	*16	*14	*12	X	
		3	30	24	20	*16	*14	X	X	X	X	X	
	28-45 deg	1	46	42	38	35	32	29	27	24	21	19	
		2	46	42	38	35	31	27	23	20	18	*16	
		3	46	42	38	35	31	27	23	20	18	*16	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	*29	*29	*29	*29	*29	*29	*28	*27	*26		
		2	*29	*29	*29	*29	*29	*29	*28	*24	*21	*19		
		3	*29	*29	*29	*28	*24	*20	*18	*15	*13	X		
	Exposure Category C	9.5-27 deg	1	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26	
		2	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26		
		3	*45	*42	*40	*38	*36	*33	*31	*29	*28	*26		
	Exposure Category D	9.5-27 deg	1	*29	*29	*29	*29	*29	*28	*26	*25	*24	*23	
		2	*29	*29	*29	*29	*26	*22	*19	*17	*15	*13		
		3	*29	*29	*24	*20	*17	*14	*12	X	X	X		
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*33	*33	*32	*31	*30	*28	*27	*25	*24	*21
			2	*33	*33	*31	*26	*22	*19	*16	*14	*12	X	
			3	*30	*24	*20	*16	*14	X	X	X	X	X	
Exposure Category C		9.5-27 deg	1	*41	*38	*35	*33	*31	*28	*26	*25	*23	*21	
		2	*41	*38	*35	*32	*29	*27	*25	*23	*21	*19		
		3	*41	*38	*35	*32	*29	*27	*23	*20	*18	*16		
Exposure Category D		9.5-27 deg	1	*25	*25	*25	*25	*25	*25	*25	*25	*24	*23	
		2	*25	*25	*25	*25	*24	*20	*18	*15	*13	X		
		3	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24		
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24
			2	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24	
			3	*39	*38	*36	*34	*32	*30	*29	*27	*26	*24	
	Exposure Category C	9.5-27 deg	1	*37	*34	*32	*30	*28	*26	*24	*23	*21	*20	
		2	*37	*34	*32	*30	*28	*26	*24	*23	*21	*19		
		3	*37	*34	*32	*30	*28	*26	*24	*23	*21	*19		
	Exposure Category D	9.5-27 deg	1	*28	*28	*28	*27	*26	*25	*24	*23	*22	*21	
		2	*28	*28	*28	*26	*22	*19	*16	*14	*12	X		
		3	*28	*24	*20	*16	*14	X	X	X	X	X		
	Snow 71-80 PSF	Exposure Category B	9.5-27 deg	1	*37	*35	*32	*30	*27	*25	*23	*22	*20	*19
			2	*37	*35	*32	*30	*27	*25	*23	*22	*20	*18	
			3	*37	*35	*32	*30	*27	*25	*23	*20	*18	*16	
Exposure Category C		9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
Exposure Category D		9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
Snow 81-90 PSF		Exposure Category B	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X		
			3	X	X	X	X	X	X	X	X	X		
	Exposure Category C	9.5-27 deg	1	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X			
		3	X	X	X	X	X	X	X	X	X			
Exposure Category D	9.5-27 deg	1	*24	*24	*24	*24	*24	*23	*22	*21	*20	*19		
	2	*24	*24	*24	*24	*22	*19	*16	*14	*12	X			
	3	*24	*24	*20	*16	*14	X	X	X	X	X			

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	32	30	29	27	26	24	23	22	20	18
			2	32	30	27	22	18	16	13	12	10	9
			3	26	20	17	14	12	10	8	7	*6	*6
	28-45 deg		1	41	37	33	29	25	22	20	18	16	14
			2	41	37	33	29	25	22	19	17	15	13
			3	41	37	33	29	25	22	19	17	15	13
	Exposure Category C	9.5-27 deg	1	29	28	26	24	23	21	19	16	14	13
			2	29	23	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg		1	34	30	25	22	19	16	14	13	11	10
			2	34	30	25	22	18	16	13	12	10	9
			3	34	30	25	22	18	16	13	12	10	9
Exposure Category D	9.5-27 deg	1	28	26	24	23	21	18	16	13	12	10	
		2	24	19	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg		1	31	26	22	19	16	14	12	11	10	9	
		2	31	26	22	18	15	13	11	10	9	8	
		3	31	26	22	18	15	13	11	10	9	8	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	17	16	16	15	14
			2	18	18	18	18	18	16	13	12	10	9
			3	18	18	17	14	12	10	8	7	*6	*6
	28-45 deg		1	32	30	27	25	23	21	19	17	16	14
			2	32	30	27	25	23	21	19	17	15	13
			3	32	30	27	25	23	21	19	17	15	13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	16	15	14	14	13	12
			2	18	18	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg		1	28	25	23	20	18	16	14	13	11	10
			2	28	25	23	20	18	16	13	12	10	9
			3	28	25	23	20	18	16	13	12	10	9
Exposure Category D	9.5-27 deg	1	18	18	17	16	15	14	13	13	12	10	
		2	18	18	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg		1	27	24	21	19	16	14	12	11	10	9	
		2	27	24	21	18	15	13	11	10	9	8	
		3	27	24	21	18	15	13	11	10	9	8	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	17	16	16	15	14
			2	18	18	18	18	18	16	13	12	10	9
			3	18	18	17	14	12	10	8	7	*6	*6
	28-45 deg		1	27	25	23	21	20	18	17	16	14	13
			2	27	25	23	21	20	18	17	16	14	13
			3	27	25	23	21	20	18	17	16	14	13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	16	15	14	14	13	12
			2	18	18	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg		1	24	22	20	18	16	15	14	12	11	10
			2	24	22	20	18	16	15	13	12	10	9
			3	24	22	20	18	16	15	13	12	10	9
Exposure Category D	9.5-27 deg	1	18	18	17	16	15	14	13	13	12	10	
		2	18	18	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg		1	23	21	19	17	15	14	12	11	10	9	
		2	23	21	19	17	15	13	11	10	9	8	
		3	23	21	19	17	15	13	11	10	9	8	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	16	16	16	16	16	15	15	14	14	13
			2	16	16	16	16	16	15	13	12	10	9
			3	16	16	16	14	12	10	8	7	*6	*6
	28-45 deg		1	23	21	20	19	17	16	15	14	13	12
			2	23	21	20	19	17	16	15	14	13	12
			3	23	21	20	19	17	16	15	14	13	12
	Exposure Category C	9.5-27 deg	1	16	16	16	15	15	14	13	13	12	11
			2	16	16	16	15	13	11	9	8	7	*6
			3	16	14	12	10	8	7	*6	*5	X	X
	28-45 deg		1	20	19	17	16	15	14	12	12	11	10
			2	20	19	17	16	15	14	12	12	10	9
			3	20	19	17	16	15	14	12	12	10	9
Exposure Category D	9.5-27 deg	1	18	17	16	16	15	14	13	12	12	10	
		2	18	17	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg		1	20	19	17	15	14	13	12	11	10	9	
		2	20	19	17	15	14	13	11	10	9	8	
		3	20	19	17	15	14	13	11	10	9	8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	13	13	13	13	13	13	12	12	11	11	
		2	13	13	13	13	13	13	13	12	12	11	11	
		3	13	13	13	13	12	10	8	7	*6	*6	*6	
	Exposure Category C	9.5-27 deg	1	20	19	18	17	16	15	14	13	12	11	11
		2	20	19	18	17	16	15	14	13	12	11	11	
		3	20	19	18	17	16	15	14	13	12	11	11	
	Exposure Category D	9.5-27 deg	1	13	13	13	13	13	12	12	11	11	10	10
		2	13	13	13	12	10	8	7	*6	*5	X	X	
		3	13	13	12	10	8	*7	*6	*5	X	X	X	
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*11	*11	*11	*11	*11	*11	*11	*11	*10	*10
			2	*11	*11	*11	*11	*11	*11	*10	*8	*7	*6	*6
			3	*11	*11	*11	*11	*10	*8	*7	*6	*5	X	X
Exposure Category C		9.5-27 deg	1	*17	*17	*16	*15	*14	*13	*13	*12	*11	*10	*10
		2	*17	*17	*16	*15	*14	*13	*13	*13	*12	*11	*10	*10
		3	*17	*17	*16	*15	*14	*13	*13	*13	*12	*11	*10	*10
Exposure Category D		9.5-27 deg	1	*16	*15	*14	*13	*12	*11	*11	*10	*9	*9	*9
		2	*16	*15	*14	*13	*12	*11	*11	*10	*9	*9	*9	
		3	*16	*15	*14	*13	*12	*11	*11	*10	*9	*9	*9	
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	12	12	12	12	11	11	10	10	9	9
			2	12	12	12	12	11	9	8	7	*6	*5	*5
			3	12	12	10	8	*7	*6	*5	X	X	X	
	Exposure Category C	9.5-27 deg	1	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8	*8
		2	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8	*8	
		3	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8	*8	
	Exposure Category D	9.5-27 deg	1	*9	*9	*9	*9	*9	*9	*9	*9	*9	*9	*9
		2	*9	*9	*9	*9	*9	*9	*9	*8	*7	*6	*6	
		3	*9	*9	*9	*9	*9	*9	*9	*8	*7	*6	*6	
	Exposure Category B	28-45 deg	1	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10	*10
			2	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10	*10
			3	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10	*10
Exposure Category C		9.5-27 deg	1	*9	*9	*9	*9	*9	*9	*9	*9	*9	*8	
		2	*9	*9	*9	*9	*9	*9	*9	*8	*7	*6	*6	
		3	*9	*9	*9	*9	*9	*8	*7	*6	*5	X	X	
Exposure Category D	9.5-27 deg	1	*14	*14	*13	*12	*11	*11	*10	*9	*9	*8		
	2	*14	*14	*13	*12	*11	*11	*10	*9	*9	*9	*8		
	3	*14	*14	*13	*12	*11	*11	*10	*9	*9	*9	*8		
Exposure Category D	28-45 deg	1	*10	*10	*10	*10	*10	*10	*9	*9	*9	*8		
		2	*10	*10	*10	*10	*10	*9	*8	*7	*6	*5		
		3	*10	*10	*10	*10	*8	*7	*6	X	X	X		
	Exposure Category D	9.5-27 deg	1	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8	
		2	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8	*8	
		3	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	27	25	24	23	22	20	19	18	17	15
		2	27	25	22	18	15	13	11	10	8	7	
		3	22	17	14	11	10	8	7	*6	*5	X	
	28-45 deg	1	34	31	27	24	21	19	16	15	13	12	11
		2	34	31	27	24	21	19	16	14	12	11	11
		3	34	31	27	24	21	19	16	14	12	11	11
	Exposure Category C	9.5-27 deg	1	25	23	22	20	19	18	16	13	12	10
		2	24	19	15	13	11	9	8	*7	*6	X	
		3	15	12	10	8	*7	*6	*5	X	X	X	
	28-45 deg	1	28	25	21	18	16	14	12	11	9	8	8
		2	28	25	21	18	15	13	11	10	9	8	8
		3	28	25	21	18	15	13	11	10	9	8	8
Exposure Category D	9.5-27 deg	1	23	22	20	19	17	15	13	11	10	9	
	2	20	16	13	10	9	7	*6	*6	*5	X		
	3	12	10	8	*7	*5	X	X	X	X	X		
28-45 deg	1	26	21	18	16	13	12	10	9	8	7	*6	
	2	26	21	18	15	13	11	9	8	7	*6	X	
	3	26	21	18	15	13	11	9	8	7	*6	X	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	15	15	15	15	15	14	14	13	12	12
		2	15	15	15	15	15	13	11	10	8	7	7
		3	15	15	14	11	10	8	7	*6	*5	X	
	28-45 deg	1	27	25	23	21	19	17	16	15	13	12	12
		2	27	25	23	21	19	17	16	14	12	11	11
		3	27	25	23	21	19	17	16	14	12	11	11
	Exposure Category C	9.5-27 deg	1	15	15	15	14	13	13	12	11	11	10
		2	15	15	15	13	11	9	8	*7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
	28-45 deg	1	23	21	19	17	15	14	12	11	9	8	8
		2	23	21	19	17	15	13	11	10	9	8	8
		3	23	21	19	17	15	13	11	10	9	8	8
Exposure Category D	9.5-27 deg	1	15	15	14	13	13	12	11	11	10	9	
	2	15	15	13	10	9	7	*6	*6	*5	X		
	3	12	10	8	*7	*5	X	X	X	X	X		
28-45 deg	1	22	20	18	16	13	12	10	9	8	7	7	
	2	22	20	18	15	13	11	9	8	7	*6	X	
	3	22	20	18	15	13	11	9	8	7	*6	X	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	15	15	15	15	15	14	14	13	12	12
		2	15	15	15	15	15	13	11	10	8	7	7
		3	15	15	14	11	10	8	7	*6	*5	X	
	28-45 deg	1	22	21	19	18	16	15	14	13	12	11	11
		2	22	21	19	18	16	15	14	13	12	11	11
		3	22	21	19	18	16	15	14	13	12	11	11
	Exposure Category C	9.5-27 deg	1	15	15	15	14	13	13	12	11	11	10
		2	15	15	15	13	11	9	8	*7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
	28-45 deg	1	20	18	16	15	14	12	11	10	9	8	8
		2	20	18	16	15	14	12	11	10	9	8	8
		3	20	18	16	15	14	12	11	10	9	8	8
Exposure Category D	9.5-27 deg	1	15	15	14	13	13	12	11	11	10	9	
	2	15	15	13	10	9	7	*6	*6	*5	X		
	3	12	10	8	*7	*5	X	X	X	X	X		
28-45 deg	1	19	17	16	14	13	11	10	9	8	7	7	
	2	19	17	16	14	13	11	9	8	7	*6	X	
	3	19	17	16	14	13	11	9	8	7	*6	X	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	13	13	13	13	13	13	12	12	11	11
		2	13	13	13	13	13	13	11	10	8	7	7
		3	13	13	13	11	10	8	7	*6	*5	X	
	28-45 deg	1	19	18	17	16	14	14	13	12	11	10	10
		2	19	18	17	16	14	14	13	12	11	10	10
		3	19	18	17	16	14	14	13	12	11	10	10
	Exposure Category C	9.5-27 deg	1	13	13	13	13	12	12	11	10	10	9
		2	13	13	13	13	11	9	8	*7	*6	*5	
		3	13	12	10	8	*7	*6	*5	X	X	X	
	28-45 deg	1	17	16	14	13	12	11	10	10	9	8	8
		2	17	16	14	13	12	11	10	10	9	8	8
		3	17	16	14	13	12	11	10	10	9	8	8
Exposure Category D	9.5-27 deg	1	15	14	14	13	12	12	11	10	10	9	
	2	15	14	13	10	9	7	*6	*6	*5	X		
	3	12	10	8	*7	*5	X	X	X	X	X		
28-45 deg	1	17	15	14	13	12	11	10	9	8	7	7	
	2	17	15	14	13	12	11	9	8	7	*6	X	
	3	17	15	14	13	12	11	9	8	7	*6	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	*11	*11	*11	*11	*11	*11	*10	*10	*9	
		2	*11	*11	*11	*11	*11	*11	*10	*10	*7	
		3	*11	*11	*11	*11	*10	*8	*7	*6	*5	
	Exposure Category C	9.5-27 deg 1	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
		2	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
		3	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
	Exposure Category D	9.5-27 deg 1	*11	*11	*11	*11	*10	*10	*10	*9	*9	*8
		2	*11	*11	*11	*11	*10	*9	*8	*7	*6	*5
		3	*11	*11	*10	*8	*7	*6	*5	X	X	X
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*9	*9	*9	*9	*9	*9	*9	*9	*8
			2	*9	*9	*9	*9	*9	*8	*7	*6	*5
			3	*9	*9	*9	*9	*9	*8	*7	*6	*5
Exposure Category C		9.5-27 deg 1	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
		2	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
		3	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
Exposure Category D		9.5-27 deg 1	*9	*9	*9	*9	*9	*9	*8	*8	*8	*8
		2	*9	*9	*9	*9	*9	*9	*8	*7	*6	*5
		3	*9	*9	*9	*8	*7	*6	*5	X	X	X
Snow 61-70 PSF		Exposure Category B	9.5-27 deg 1	*13	*13	*12	*11	*10	*9	*9	*8	*7
			2	*13	*13	*12	*11	*10	*9	*9	*8	*8
			3	*13	*13	*12	*11	*10	*9	*9	*8	*8
	Exposure Category C	9.5-27 deg 1	*10	*10	*10	*10	*10	*9	*9	*8	*8	*8
		2	*10	*10	*10	*10	*10	*9	*7	*6	*5	*4
		3	*10	*10	*8	*7	*5	X	X	X	X	X
	Exposure Category D	9.5-27 deg 1	*14	*13	*12	*11	*10	*9	*8	*8	*7	*7
		2	*14	*13	*12	*11	*10	*9	*8	*8	*7	*6
		3	*14	*13	*12	*11	*10	*9	*8	*8	*7	*6
	Exposure Category B	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X
28-45 deg 1		X	X	X	X	X	X	X	X	X	X	
2		X	X	X	X	X	X	X	X	X	X	
3		X	X	X	X	X	X	X	X	X	X	
Exposure Category C	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	
	2	X	X	X	X	X	X	X	X	X	X	
	3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg 1	X	X	X	X	X	X	X	X	X	X	
	2	X	X	X	X	X	X	X	X	X	X	
	3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-27 deg 1	*9	*9	*9	*9	*9	*8	*8	*8	*7	*7	
	2	*9	*9	*9	*9	*9	*7	*6	*6	*5	*4	
	3	*9	*9	*8	*7	*5	X	X	X	X	X	
	28-45 deg 1	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	
	2	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	
	3	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	32	30	29	27	26	24	23	22	20	18
			2	32	30	27	22	18	16	13	12	10	9
			3	26	20	17	14	12	10	8	7	*6	*6
	28-45 deg	1	41	37	33	29	25	22	20	18	16	14	13
			2	41	37	33	29	25	22	19	17	15	13
			3	41	37	33	29	25	22	19	17	15	13
	Exposure Category C	9.5-27 deg	1	29	28	26	24	23	21	19	16	14	13
			2	29	23	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg	1	34	30	25	22	19	16	14	13	11	10	10
			2	34	30	25	22	18	16	13	12	10	9
			3	34	30	25	22	18	16	13	12	10	9
Exposure Category D	9.5-27 deg	1	28	26	24	23	21	18	16	13	12	10	
		2	24	19	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg	1	31	26	22	19	16	14	12	11	10	9	9	
		2	31	26	22	18	15	13	11	10	9	8	
		3	31	26	22	18	15	13	11	10	9	8	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	17	16	16	15	14
			2	18	18	18	18	18	16	13	12	10	9
			3	18	18	17	14	12	10	8	7	*6	*6
	28-45 deg	1	32	30	27	25	23	21	19	17	16	14	14
			2	32	30	27	25	23	21	19	17	15	13
			3	32	30	27	25	23	21	19	17	15	13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	16	15	14	14	13	12
			2	18	18	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg	1	28	25	23	20	18	16	14	13	11	10	10
			2	28	25	23	20	18	16	13	12	10	9
			3	28	25	23	20	18	16	13	12	10	9
Exposure Category D	9.5-27 deg	1	18	18	17	16	15	14	13	13	12	10	
		2	18	18	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg	1	27	24	21	19	16	14	12	11	10	9	9	
		2	27	24	21	18	15	13	11	10	9	8	
		3	27	24	21	18	15	13	11	10	9	8	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	18	18	18	18	18	17	16	16	15	14
			2	18	18	18	18	18	16	13	12	10	9
			3	18	18	17	14	12	10	8	7	*6	*6
	28-45 deg	1	27	25	23	21	20	18	17	16	14	13	13
			2	27	25	23	21	20	18	17	16	14	13
			3	27	25	23	21	20	18	17	16	14	13
	Exposure Category C	9.5-27 deg	1	18	18	18	17	16	15	14	14	13	12
			2	18	18	18	15	13	11	9	8	7	*6
			3	18	14	12	10	8	7	*6	*5	X	X
	28-45 deg	1	24	22	20	18	16	15	14	12	11	10	10
			2	24	22	20	18	16	15	13	12	10	9
			3	24	22	20	18	16	15	13	12	10	9
Exposure Category D	9.5-27 deg	1	18	18	17	16	15	14	13	13	12	10	
		2	18	18	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg	1	23	21	19	17	15	14	12	11	10	9	9	
		2	23	21	19	17	15	13	11	10	9	8	
		3	23	21	19	17	15	13	11	10	9	8	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	16	16	16	16	16	15	15	14	14	13
			2	16	16	16	16	16	15	13	12	10	9
			3	16	16	16	14	12	10	8	7	*6	*6
	28-45 deg	1	23	21	20	19	17	16	15	14	13	12	12
			2	23	21	20	19	17	16	15	14	13	12
			3	23	21	20	19	17	16	15	14	13	12
	Exposure Category C	9.5-27 deg	1	16	16	16	15	15	14	13	13	12	11
			2	16	16	16	15	13	11	9	8	7	*6
			3	16	14	12	10	8	7	*6	*5	X	X
	28-45 deg	1	20	19	17	16	15	14	12	12	11	10	10
			2	20	19	17	16	15	14	12	12	10	9
			3	20	19	17	16	15	14	12	12	10	9
Exposure Category D	9.5-27 deg	1	18	17	16	16	15	14	13	12	12	10	
		2	18	17	15	13	11	9	8	7	*6	*5	
		3	15	12	10	8	*7	*6	*5	X	X	X	
28-45 deg	1	20	19	17	15	14	13	12	11	10	9	9	
		2	20	19	17	15	14	13	11	10	9	8	
		3	20	19	17	15	14	13	11	10	9	8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	13	13	13	13	13	13	12	12	11	
		2	13	13	13	13	13	13	13	12	12	11	
		3	13	13	13	13	12	10	8	7	*6	*6	
	Exposure Category C	9.5-27 deg	1	20	19	18	17	16	15	14	13	12	11
		2	20	19	18	17	16	15	14	13	12	11	
		3	20	19	18	17	16	15	14	13	12	11	
	Exposure Category D	9.5-27 deg	1	13	13	13	13	13	12	12	11	11	10
		2	13	13	13	13	13	11	9	8	7	*6	*6
		3	13	13	12	10	8	*7	*6	*5	X	X	X
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*11	*11	*11	*11	*11	*11	*11	*10	*10
			2	*11	*11	*11	*11	*11	*10	*8	*7	*6	*6
			3	*11	*11	*11	*11	*10	*8	*7	*5	X	X
Exposure Category C		9.5-27 deg	1	*17	*17	*16	*15	*14	*13	*13	*12	*11	*10
		2	*17	*17	*16	*15	*14	*13	*13	*13	*12	*11	*10
		3	*17	*17	*16	*15	*14	*13	*13	*13	*12	*11	*10
Exposure Category D		9.5-27 deg	1	*11	*11	*11	*11	*11	*11	*10	*10	*9	*9
		2	*11	*11	*11	*11	*11	*11	*9	*8	*7	*6	*6
		3	*11	*11	*11	*10	*8	*7	*6	*5	X	X	X
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	*16	*15	*14	*13	*12	*11	*11	*10	*9
			2	*16	*15	*14	*13	*12	*11	*11	*10	*9	*9
			3	*16	*15	*14	*13	*12	*11	*11	*10	*9	*9
	Exposure Category C	9.5-27 deg	1	12	12	12	12	11	11	10	10	10	9
		2	12	12	12	12	11	9	8	7	*6	*5	
		3	12	12	10	8	*7	*6	*5	X	X	X	
	Exposure Category D	9.5-27 deg	1	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8
		2	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8	
		3	*16	*15	*14	*13	*12	*11	*10	*9	*9	*8	
	Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	*9	*9	*9	*9	*9	*9	*9	*9	*9
			2	*9	*9	*9	*9	*9	*9	*9	*9	*9	*9
			3	*9	*9	*9	*9	*9	*9	*8	*7	*6	*6
Exposure Category C		9.5-27 deg	1	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10
		2	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10	
		3	*15	*15	*14	*14	*13	*12	*12	*11	*10	*10	
Exposure Category D		9.5-27 deg	1	*9	*9	*9	*9	*9	*9	*9	*9	*9	*8
		2	*9	*9	*9	*9	*9	*9	*9	*8	*7	*6	*6
		3	*9	*9	*9	*9	*9	*8	*7	*6	*5	X	X
Snow 51-60 PSF		Exposure Category B	9.5-27 deg	1	*14	*14	*13	*12	*11	*11	*10	*9	*9
			2	*14	*14	*13	*12	*11	*11	*10	*9	*9	*8
			3	*14	*14	*13	*12	*11	*11	*10	*9	*9	*8
	Exposure Category C	9.5-27 deg	1	*10	*10	*10	*10	*10	*10	*9	*9	*9	*8
		2	*10	*10	*10	*10	*10	*9	*8	*7	*6	*5	
		3	*10	*10	*10	*10	*8	*7	*6	X	X	X	
	Exposure Category D	9.5-27 deg	1	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8
		2	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8	
		3	*15	*14	*13	*12	*11	*10	*10	*9	*8	*8	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	27	25	24	23	22	20	19	18	17	15
			2	27	25	22	18	15	13	11	10	8	7
			3	22	17	14	11	10	8	7	*6	*5	X
	28-45 deg		1	34	31	27	24	21	19	16	15	13	12
			2	34	31	27	24	21	19	16	14	12	11
			3	34	31	27	24	21	19	16	14	12	11
	Exposure Category C	9.5-27 deg	1	25	23	22	20	19	18	16	13	12	10
			2	24	19	15	13	11	9	8	*7	*6	*5
			3	15	12	10	8	*7	*6	*5	X	X	X
	28-45 deg		1	28	25	21	18	16	14	12	11	9	8
			2	28	25	21	18	15	13	11	10	9	8
			3	28	25	21	18	15	13	11	10	9	8
Exposure Category D	9.5-27 deg	1	23	22	20	19	17	15	13	11	10	9	
		2	20	16	13	10	9	7	*6	*6	*5	X	
		3	12	10	8	*7	*5	X	X	X	X	X	
28-45 deg		1	26	21	18	16	13	12	10	9	8	7	
		2	26	21	18	15	13	11	9	8	7	*6	
		3	26	21	18	15	13	11	9	8	7	*6	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	15	15	15	15	15	14	14	13	12	12
			2	15	15	15	15	15	13	11	10	8	7
			3	15	15	14	11	10	8	7	*6	*5	X
	28-45 deg		1	27	25	23	21	19	17	16	15	13	12
			2	27	25	23	21	19	17	16	14	12	11
			3	27	25	23	21	19	17	16	14	12	11
	Exposure Category C	9.5-27 deg	1	15	15	15	14	13	13	12	11	11	10
			2	15	15	15	13	11	9	8	*7	*6	*5
			3	15	12	10	8	*7	*6	*5	X	X	X
	28-45 deg		1	23	21	19	17	15	14	12	11	9	8
			2	23	21	19	17	15	13	11	10	9	8
			3	23	21	19	17	15	13	11	10	9	8
Exposure Category D	9.5-27 deg	1	15	15	14	13	13	12	11	11	10	9	
		2	15	15	13	10	9	7	*6	*6	*5	X	
		3	12	10	8	*7	*5	X	X	X	X	X	
28-45 deg		1	22	20	18	16	13	12	10	9	8	7	
		2	22	20	18	15	13	11	9	8	7	*6	
		3	22	20	18	15	13	11	9	8	7	*6	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	15	15	15	15	15	14	14	13	12	12
			2	15	15	15	15	15	13	11	10	8	7
			3	15	15	14	11	10	8	7	*6	*5	X
	28-45 deg		1	22	21	19	18	16	15	14	13	12	11
			2	22	21	19	18	16	15	14	13	12	11
			3	22	21	19	18	16	15	14	13	12	11
	Exposure Category C	9.5-27 deg	1	15	15	15	14	13	13	12	11	11	10
			2	15	15	15	13	11	9	8	*7	*6	*5
			3	15	12	10	8	*7	*6	*5	X	X	X
	28-45 deg		1	20	18	16	15	14	12	11	10	9	8
			2	20	18	16	15	14	12	11	10	9	8
			3	20	18	16	15	14	12	11	10	9	8
Exposure Category D	9.5-27 deg	1	15	15	14	13	13	12	11	11	10	9	
		2	15	15	13	10	9	7	*6	*6	*5	X	
		3	12	10	8	*7	*5	X	X	X	X	X	
28-45 deg		1	19	17	16	14	13	11	10	9	8	7	
		2	19	17	16	14	13	11	9	8	7	*6	
		3	19	17	16	14	13	11	9	8	7	*6	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	13	13	13	13	13	13	12	12	11	11
			2	13	13	13	13	13	13	11	10	8	7
			3	13	13	13	11	10	8	7	*6	*5	X
	28-45 deg		1	*19	*18	*17	*16	*14	*14	*13	*12	*11	*10
			2	*19	*18	*17	*16	*14	*14	*13	*12	*11	*10
			3	*19	*18	*17	*16	*14	*14	*13	*12	*11	*10
	Exposure Category C	9.5-27 deg	1	13	13	13	13	12	12	11	10	10	9
			2	13	13	13	13	11	9	8	*7	*6	*5
			3	13	12	10	8	*7	*6	*5	X	X	X
	28-45 deg		1	*17	*16	*14	*13	*12	*11	*10	*10	*9	*8
			2	*17	*16	*14	*13	*12	*11	*10	*10	*9	*8
			3	*17	*16	*14	*13	*12	*11	*10	*10	*9	*8
Exposure Category D	9.5-27 deg	1	15	14	14	13	12	12	11	10	10	9	
		2	15	14	13	10	9	7	*6	*6	*5	X	
		3	12	10	8	*7	*5	X	X	X	X	X	
28-45 deg		1	17	15	14	13	12	11	10	9	8	7	
		2	17	15	14	13	12	11	9	8	7	*6	
		3	17	15	14	13	12	11	9	8	7	*6	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg 1	*11	*11	*11	*11	*11	*11	*10	*10	*9	
		2	*11	*11	*11	*11	*11	*11	*10	*10	*7	
		3	*11	*11	*11	*11	*10	*8	*7	*6	*5	
	Exposure Category C	9.5-27 deg 1	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
		2	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
		3	*16	*16	*15	*14	*13	*12	*11	*11	*10	*9
	Exposure Category D	9.5-27 deg 1	*12	*12	*12	*11	*11	*10	*10	*9	*9	*8
		2	*12	*12	*12	*10	*9	*7	*6	*6	*5	X
		3	*12	*10	*8	*7	*5	X	X	X	X	X
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg 1	*9	*9	*9	*9	*9	*9	*9	*9	*8
			2	*9	*9	*9	*9	*9	*8	*7	*6	*5
			3	*9	*9	*9	*9	*9	*8	*7	*6	*5
Exposure Category C		9.5-27 deg 1	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
		2	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
		3	*14	*14	*13	*12	*12	*11	*10	*10	*9	*9
Exposure Category D		9.5-27 deg 1	*9	*9	*9	*9	*9	*9	*8	*8	*8	*8
		2	*9	*9	*9	*9	*9	*9	*8	*7	*6	*5
		3	*9	*9	*9	*9	*8	*7	*6	X	X	X
Snow 61-70 PSF		Exposure Category B	9.5-27 deg 1	*13	*13	*12	*11	*10	*9	*9	*8	*7
			2	*13	*13	*12	*11	*10	*9	*9	*8	*8
			3	*13	*13	*12	*11	*10	*9	*9	*8	*8
	Exposure Category C	9.5-27 deg 1	*10	*10	*10	*10	*10	*9	*9	*8	*8	*8
		2	*10	*10	*10	*10	*10	*9	*7	*6	*5	X
		3	*10	*10	*8	*7	*5	X	X	X	X	X
	Exposure Category D	9.5-27 deg 1	*14	*13	*12	*11	*10	*9	*8	*8	*7	*7
		2	*14	*13	*12	*11	*10	*9	*8	*8	*7	*6
		3	*14	*13	*12	*11	*10	*9	*8	*8	*7	*6
	Exposure Category B	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X
		3	X	X	X	X	X	X	X	X	X	X
28-45 deg 1		X	X	X	X	X	X	X	X	X	X	
2		X	X	X	X	X	X	X	X	X	X	
3		X	X	X	X	X	X	X	X	X	X	
Exposure Category C	9.5-27 deg 1	X	X	X	X	X	X	X	X	X	X	
	2	X	X	X	X	X	X	X	X	X	X	
	3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg 1	X	X	X	X	X	X	X	X	X	X	
	2	X	X	X	X	X	X	X	X	X	X	
	3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-27 deg 1	*9	*9	*9	*9	*9	*8	*8	*8	*7	*7	
	2	*9	*9	*9	*9	*9	*7	*6	*6	*5	X	
	3	*9	*9	*8	*7	*5	X	X	X	X	X	
	28-45 deg 1	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	
	2	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	
	3	*12	*12	*11	*10	*9	*9	*8	*7	*7	*6	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	54	52	49	46	44	41	39	37	35	31
			2	54	52	45	37	31	26	23	20	17	15
			3	44	35	28	23	20	17	14	13	*11	*10
		28-45 deg	1	69	62	56	49	43	38	33	30	27	24
			2	69	62	56	49	43	38	33	28	25	22
			3	69	62	56	49	43	38	33	28	25	22
	Exposure Category C	9.5-27 deg	1	50	47	44	41	38	36	31	27	24	21
			2	49	38	31	26	22	18	16	14	12	*11
			3	30	24	20	16	14	12	*10	*9	X	X
		28-45 deg	1	58	50	43	37	32	28	24	22	19	17
			2	58	50	43	37	31	26	23	20	18	16
			3	58	50	43	37	31	26	23	20	18	16
Exposure Category D	9.5-27 deg	1	47	44	41	38	35	30	26	23	20	18	
		2	40	32	26	21	18	15	13	12	*10	*9	
		3	25	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	52	43	37	32	27	24	21	19	16	15	
		2	52	43	37	31	26	22	19	17	15	13	
		3	52	43	37	31	26	22	19	17	15	13	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	31	31	31	31	30	29	27	26	25	24
			2	31	31	31	31	30	26	23	20	17	15
			3	31	31	28	23	20	17	14	13	*11	*10
		28-45 deg	1	54	50	46	42	38	35	32	29	27	24
			2	54	50	46	42	38	35	32	28	25	22
			3	54	50	46	42	38	35	32	28	25	22
	Exposure Category C	9.5-27 deg	1	31	31	30	28	27	26	24	23	22	21
			2	31	31	30	26	22	18	16	14	12	*11
			3	30	24	20	16	14	12	*10	*9	X	X
		28-45 deg	1	47	42	38	34	31	28	24	22	19	17
			2	47	42	38	34	31	26	23	20	18	16
			3	47	42	38	34	31	26	23	20	18	16
Exposure Category D	9.5-27 deg	1	31	30	28	27	26	24	23	22	20	18	
		2	31	30	26	21	18	15	13	12	*10	*9	
		3	25	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	45	40	36	32	27	24	21	19	16	15	
		2	45	40	36	31	26	22	19	17	15	13	
		3	45	40	36	31	26	22	19	17	15	13	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	31	31	31	31	30	29	27	26	25	24
			2	31	31	31	31	30	26	23	20	17	15
			3	31	31	28	23	20	17	14	13	*11	*10
		28-45 deg	1	45	42	39	36	33	31	28	26	24	23
			2	45	42	39	36	33	31	28	26	24	22
			3	45	42	39	36	33	31	28	26	24	22
	Exposure Category C	9.5-27 deg	1	31	31	30	28	27	26	24	23	22	21
			2	31	31	30	26	22	18	16	14	12	*11
			3	30	24	20	16	14	12	*10	*9	X	X
		28-45 deg	1	40	36	33	30	28	25	23	21	19	17
			2	40	36	33	30	28	25	23	20	18	16
			3	40	36	33	30	28	25	23	20	18	16
Exposure Category D	9.5-27 deg	1	31	30	28	27	26	24	23	22	20	18	
		2	31	30	26	21	18	15	13	12	*10	*9	
		3	25	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	39	35	32	29	26	23	21	19	16	15	
		2	39	35	32	29	26	22	19	17	15	13	
		3	39	35	32	29	26	22	19	17	15	13	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	27	27	27	27	27	26	25	24	23	22
			2	27	27	27	27	27	26	23	20	17	15
			3	27	27	27	23	20	17	14	13	*11	*10
		28-45 deg	1	38	36	34	31	29	27	26	24	22	21
			2	38	36	34	31	29	27	26	24	22	21
			3	38	36	34	31	29	27	26	24	22	21
	Exposure Category C	9.5-27 deg	1	27	27	27	26	25	23	22	21	20	19
			2	27	27	27	26	22	18	16	14	12	*11
			3	27	24	20	16	14	12	*10	*9	X	X
		28-45 deg	1	34	32	29	27	25	23	21	20	18	17
			2	34	32	29	27	25	23	21	20	18	16
			3	34	32	29	27	25	23	21	20	18	16
Exposure Category D	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	18	
		2	30	29	26	21	18	15	13	12	*10	*9	
		3	25	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	34	31	28	26	24	22	20	18	16	15	
		2	34	31	28	26	24	22	20	17	15	13	
		3	34	31	28	26	24	22	19	17	15	13	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	22	22	22	22	22	22	21	20	19	
			2	22	22	22	22	22	22	20	17	15	
			3	22	22	22	22	20	17	14	13	*11	*10
		28-45 deg	1	33	31	30	28	26	25	23	22	21	19
			2	33	31	30	28	26	25	23	22	21	19
			3	33	31	30	28	26	25	23	22	21	19
	Exposure Category C	9.5-27 deg	1	22	22	22	22	21	20	20	19	18	17
			2	22	22	22	22	21	18	16	14	12	*11
			3	22	22	20	16	14	12	*10	*9	X	X
		28-45 deg	1	30	28	26	24	23	21	20	18	17	16
			2	30	28	26	24	23	21	20	18	17	16
			3	30	28	26	24	23	21	20	18	17	16
Exposure Category D	9.5-27 deg	1	24	24	24	23	22	21	20	19	18	17	
		2	24	24	24	21	18	15	13	12	*10	*9	
		3	24	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	31	28	26	24	22	20	18	17	16	14	
		2	31	28	26	24	22	20	18	17	15	13	
		3	31	28	26	24	22	20	18	17	15	13	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*18	*18	*18	*17
			2	*18	*18	*18	*18	*18	*18	*18	*18	*17	*15
			3	*18	*18	*18	*18	*18	*17	*14	*13	*11	*10
		28-45 deg	1	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
			2	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
			3	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
	Exposure Category C	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*17	*17	*16	*16
			2	*18	*18	*18	*18	*18	*18	*16	*14	*12	*11
			3	*18	*18	*18	*16	*14	*12	*10	*9	X	X
		28-45 deg	1	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
			2	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
			3	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
Exposure Category D	9.5-27 deg	1	21	21	21	20	19	19	18	17	16	16	
		2	21	21	21	20	18	15	13	12	*10	*9	
		3	21	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	*28	*26	*24	*22	*20	*19	*17	*16	*15	*14	
		2	*28	*26	*24	*22	*20	*19	*17	*16	*15	*13	
		3	*28	*26	*24	*22	*20	*19	*17	*16	*15	*13	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1	*16	*16	*16	*16	*16	*16	*16	*16	*16	*16
			2	*16	*16	*16	*16	*16	*16	*16	*16	*16	*15
			3	*16	*16	*16	*16	*16	*16	*14	*13	*11	*10
		28-45 deg	1	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
			2	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
			3	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
	Exposure Category C	9.5-27 deg	1	*16	*16	*16	*16	*16	*16	*16	*15	*15	*14
			2	*16	*16	*16	*16	*16	*16	*16	*14	*12	*11
			3	*16	*16	*16	*16	*14	*12	*10	*9	X	X
		28-45 deg	1	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
			2	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
			3	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
Exposure Category D	9.5-27 deg	1	*18	*18	*18	*18	*18	*17	*16	*16	*15	*14	
		2	*18	*18	*18	*18	*18	*15	*13	*12	*10	*9	
		3	*18	*18	*16	*14	*11	*10	*8	X	X	X	
	28-45 deg	1	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	
		2	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	
		3	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	53	51	48	46	43	41	38	36	34	30
			2	53	51	45	36	30	26	22	19	17	15
			3	44	34	27	23	19	16	14	*12	*11	X
	28-45 deg		1	68	61	55	48	42	37	32	29	26	23
			2	68	61	55	48	42	37	32	28	24	22
			3	68	61	55	48	42	37	32	28	24	22
	Exposure Category C	9.5-27 deg	1	49	46	43	40	37	35	31	27	23	21
			2	49	38	30	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	57	49	42	36	31	27	24	21	19	17
			2	57	49	42	36	30	26	22	19	17	15
			3	57	49	42	36	30	26	22	19	17	15
Exposure Category D	9.5-27 deg	1	47	44	40	37	34	30	26	22	20	17	
		2	40	31	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	51	43	36	31	27	23	20	18	16	14	
		2	51	43	36	30	25	22	19	16	14	*13	
		3	51	43	36	30	25	22	19	16	14	*13	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	29	26	22	19	17	15
			3	30	30	27	23	19	16	14	*12	*11	X
	28-45 deg		1	53	49	45	41	37	34	31	29	26	23
			2	53	49	45	41	37	34	31	28	24	22
			3	53	49	45	41	37	34	31	28	24	22
	Exposure Category C	9.5-27 deg	1	30	30	29	28	26	25	24	23	22	20
			2	30	30	29	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	46	41	37	34	30	27	24	21	19	17
			2	46	41	37	34	30	26	22	19	17	15
			3	46	41	37	34	30	26	22	19	17	15
Exposure Category D	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	17	
		2	30	29	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	44	39	35	31	27	23	20	18	16	14	
		2	44	39	35	30	25	22	19	16	14	*13	
		3	44	39	35	30	25	22	19	16	14	*13	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	29	26	22	19	17	15
			3	30	30	27	23	19	16	14	*12	*11	X
	28-45 deg		1	44	41	38	35	32	30	28	26	24	22
			2	44	41	38	35	32	30	28	26	24	22
			3	44	41	38	35	32	30	28	26	24	22
	Exposure Category C	9.5-27 deg	1	30	30	29	28	26	25	24	23	22	20
			2	30	30	29	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	39	35	32	30	27	25	23	21	19	17
			2	39	35	32	30	27	25	22	19	17	15
			3	39	35	32	30	27	25	22	19	17	15
Exposure Category D	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	17	
		2	30	29	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	38	34	31	28	25	23	20	18	16	14	
		2	38	34	31	28	25	22	19	16	14	*13	
		3	38	34	31	28	25	22	19	16	14	*13	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	26	26	26	26	26	25	24	23	23	22
			2	26	26	26	26	26	25	22	19	17	15
			3	26	26	26	23	19	16	14	*12	*11	X
	28-45 deg		1	37	35	33	31	29	27	25	23	22	20
			2	37	35	33	31	29	27	25	23	22	20
			3	37	35	33	31	29	27	25	23	22	20
	Exposure Category C	9.5-27 deg	1	26	26	26	25	24	23	22	21	20	19
			2	26	26	26	25	21	18	16	*14	*12	*11
			3	26	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	34	31	29	26	24	22	21	19	18	16
			2	34	31	29	26	24	22	21	19	17	15
			3	34	31	29	26	24	22	21	19	17	15
Exposure Category D	9.5-27 deg	1	29	28	27	26	24	23	22	21	20	17	
		2	29	28	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	33	31	28	25	23	21	19	18	16	14	
		2	33	31	28	25	23	21	19	16	14	*13	
		3	33	31	28	25	23	21	19	16	14	*13	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

			Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	*21	*21	*21	*21	*21	*21	*21	*21	*20	*20	*19
		2	*21	*21	*21	*21	*21	*21	*21	*21	*19	*17	*15	
		3	*21	*21	*21	*21	*21	*19	*16	*14	*12	*11	X	
	Exposure Category C	9.5-27 deg	1	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19
		2	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19	
		3	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19	
	Exposure Category D	9.5-27 deg	1	*21	*21	*21	*21	*21	*20	*19	*18	*18	*17	
		2	*21	*21	*21	*21	*21	*18	*16	*14	*12	*11		
		3	*21	*21	*19	*16	*13	*11	*10	X	X	X		
	Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*30	*28	*26	*24	*22	*21	*19	*18	*16	*15
			2	*30	*28	*25	*23	*21	*20	*18	*16	*14	*13	
			3	*30	*28	*25	*23	*21	*20	*18	*16	*14	*13	
Exposure Category C		9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*18	*18	*18	*17	
		2	*18	*18	*18	*18	*18	*16	*14	*12	*11	X		
		3	*18	*18	*18	*16	*13	*11	*10	X	X	X		
Exposure Category D		9.5-27 deg	1	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14	
		2	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14		
		3	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14		
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	Exposure Category D	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	Exposure Category D	9.5-27 deg	1	*17	*17	*17	*17	*17	*16	*16	*15	*15	*14	
			2	*17	*17	*17	*17	*17	*15	*13	*11	*10	X	
			3	*17	*17	*16	*13	*11	X	X	X	X	X	
28-45 deg		1	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13		
		2	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13		
		3	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	54	52	49	46	44	41	39	37	35	31	
			2	54	52	45	37	31	26	23	20	17	15	
			3	44	35	28	23	20	17	14	13	*11	*10	
	Exposure Category C	28-45 deg	1	69	62	56	49	43	38	33	30	27	24	
			2	69	62	56	49	43	38	33	28	25	22	
			3	69	62	56	49	43	38	33	28	25	22	
	Exposure Category D	9.5-27 deg	1	50	47	44	41	38	36	31	27	24	21	
			2	49	38	31	26	22	18	16	14	12	*11	
			3	30	24	20	16	14	12	*10	*9	X	X	
	Snow 11-20 PSF	Exposure Category B	28-45 deg	1	58	50	43	37	32	28	24	22	19	17
				2	58	50	43	37	31	26	23	20	18	16
				3	58	50	43	37	31	26	23	20	18	16
Exposure Category C		9.5-27 deg	1	47	44	41	38	35	30	26	23	20	18	
			2	40	32	26	21	18	15	13	12	*10	*9	
			3	25	20	16	14	*11	*10	*8	X	X	X	
Exposure Category D		28-45 deg	1	52	43	37	32	27	24	21	19	16	15	
			2	52	43	37	31	26	22	19	17	15	13	
			3	52	43	37	31	26	22	19	17	15	13	
Snow 21-30 PSF		Exposure Category B	9.5-27 deg	1	31	31	31	31	30	29	27	26	25	24
				2	31	31	31	31	30	26	23	20	17	15
				3	31	31	28	23	20	17	14	13	*11	*10
	Exposure Category C	28-45 deg	1	54	50	46	42	38	35	32	29	27	24	
			2	54	50	46	42	38	35	32	28	25	22	
			3	54	50	46	42	38	35	32	28	25	22	
	Exposure Category D	9.5-27 deg	1	31	31	30	28	27	26	24	23	22	21	
			2	31	31	30	26	22	18	16	14	12	*11	
			3	30	24	20	16	14	12	*10	*9	X	X	
	Snow 31-40 PSF	Exposure Category B	28-45 deg	1	47	42	38	34	31	28	24	22	19	17
				2	47	42	38	34	31	26	23	20	18	16
				3	47	42	38	34	31	26	23	20	18	16
Exposure Category C		9.5-27 deg	1	31	30	28	27	26	24	23	22	20	18	
			2	31	30	26	21	18	15	13	12	*10	*9	
			3	25	20	16	14	*11	*10	*8	X	X	X	
Exposure Category D		28-45 deg	1	45	40	36	32	27	24	21	19	16	15	
			2	45	40	36	31	26	22	19	17	15	13	
			3	45	40	36	31	26	22	19	17	15	13	
Snow 41-50 PSF		Exposure Category B	9.5-27 deg	1	31	31	31	31	30	29	27	26	25	24
				2	31	31	31	31	30	26	23	20	17	15
				3	31	31	28	23	20	17	14	13	*11	*10
	Exposure Category C	28-45 deg	1	45	42	39	36	33	31	28	26	24	23	
			2	45	42	39	36	33	31	28	26	24	22	
			3	45	42	39	36	33	31	28	26	24	22	
	Exposure Category D	9.5-27 deg	1	31	31	30	28	27	26	24	23	22	21	
			2	31	31	30	26	22	18	16	14	12	*11	
			3	30	24	20	16	14	12	*10	*9	X	X	
	Snow 51-60 PSF	Exposure Category B	28-45 deg	1	40	36	33	30	28	25	23	21	19	17
				2	40	36	33	30	28	25	23	20	18	16
				3	40	36	33	30	28	25	23	20	18	16
Exposure Category C		9.5-27 deg	1	31	30	28	27	26	24	23	22	20	18	
			2	31	30	26	21	18	15	13	12	*10	*9	
			3	25	20	16	14	*11	*10	*8	X	X	X	
Exposure Category D		28-45 deg	1	39	35	32	29	26	23	21	19	16	15	
			2	39	35	32	29	26	22	19	17	15	13	
			3	39	35	32	29	26	22	19	17	15	13	
Snow 61-70 PSF		Exposure Category B	9.5-27 deg	1	27	27	27	27	27	26	25	24	23	22
				2	27	27	27	27	27	26	23	20	17	15
				3	27	27	27	23	20	17	14	13	*11	*10
	Exposure Category C	28-45 deg	1	38	36	34	31	29	27	26	24	22	21	
			2	38	36	34	31	29	27	26	24	22	21	
			3	38	36	34	31	29	27	26	24	22	21	
	Exposure Category D	9.5-27 deg	1	27	27	27	26	25	23	22	21	20	19	
			2	27	27	27	26	22	18	16	14	12	*11	
			3	27	24	20	16	14	12	*10	*9	X	X	
	Exposure Category B	28-45 deg	1	34	32	29	27	25	23	21	20	18	17	
			2	34	32	29	27	25	23	21	20	18	16	
			3	34	32	29	27	25	23	21	20	18	16	
Exposure Category C	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	18		
		2	30	29	26	21	18	15	13	12	*10	*9		
		3	25	20	16	14	*11	*10	*8	X	X	X		
Exposure Category D	28-45 deg	1	34	31	28	26	24	22	20	18	16	15		
		2	34	31	28	26	24	22	20	17	15	13		
		3	34	31	28	26	24	22	20	17	15	13		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	22	22	22	22	22	22	21	20	19	
			2	22	22	22	22	22	22	20	17	15	
			3	22	22	22	22	20	17	14	13	*11	*10
		28-45 deg	1	33	31	30	28	26	25	23	22	21	19
			2	33	31	30	28	26	25	23	22	21	19
			3	33	31	30	28	26	25	23	22	21	19
	Exposure Category C	9.5-27 deg	1	22	22	22	22	21	20	20	19	18	17
			2	22	22	22	22	21	18	16	14	12	*11
			3	22	22	20	16	14	12	*10	*9	X	X
		28-45 deg	1	30	28	26	24	23	21	20	18	17	16
			2	30	28	26	24	23	21	20	18	17	16
			3	30	28	26	24	23	21	20	18	17	16
Exposure Category D	9.5-27 deg	1	24	24	24	23	22	21	20	19	18	17	
		2	24	24	24	21	18	15	13	12	*10	*9	
		3	24	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	31	28	26	24	22	20	18	17	16	14	
		2	31	28	26	24	22	20	18	17	15	13	
		3	31	28	26	24	22	20	18	17	15	13	
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*18	*18	*18	*17
			2	*18	*18	*18	*18	*18	*18	*18	*18	*17	*15
			3	*18	*18	*18	*18	*18	*17	*14	*13	*11	*10
		28-45 deg	1	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
			2	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
			3	*29	*28	*27	*25	*24	*23	*21	*20	*19	*18
	Exposure Category C	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*17	*17	*16	*16
			2	*18	*18	*18	*18	*18	*18	*16	*14	*12	*11
			3	*18	*18	*18	*16	*14	*12	*10	*9	X	X
		28-45 deg	1	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
			2	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
			3	*27	*25	*24	*22	*21	*19	*18	*17	*16	*15
Exposure Category D	9.5-27 deg	1	21	21	21	20	19	19	18	17	16	16	
		2	21	21	21	20	18	15	13	12	*10	*9	
		3	21	20	16	14	*11	*10	*8	X	X	X	
	28-45 deg	1	*28	*26	*24	*22	*20	*19	*17	*16	*15	*14	
		2	*28	*26	*24	*22	*20	*19	*17	*16	*15	*13	
		3	*28	*26	*24	*22	*20	*19	*17	*16	*15	*13	
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1	*16	*16	*16	*16	*16	*16	*16	*16	*16	*16
			2	*16	*16	*16	*16	*16	*16	*16	*16	*16	*15
			3	*16	*16	*16	*16	*16	*16	*14	*13	*11	*10
		28-45 deg	1	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
			2	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
			3	*25	*25	*24	*23	*22	*21	*20	*19	*18	*17
	Exposure Category C	9.5-27 deg	1	*16	*16	*16	*16	*16	*16	*16	*15	*15	*14
			2	*16	*16	*16	*16	*16	*16	*16	*14	*12	*11
			3	*16	*16	*16	*16	*14	*12	*10	*9	X	X
		28-45 deg	1	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
			2	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
			3	*24	*23	*22	*20	*19	*18	*17	*16	*15	*14
Exposure Category D	9.5-27 deg	1	*18	*18	*18	*18	*18	*17	*16	*16	*15	*14	
		2	*18	*18	*18	*18	*18	*15	*13	*12	*10	*9	
		3	*18	*18	*16	*14	*11	*10	*8	X	X	X	
	28-45 deg	1	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	
		2	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	
		3	*25	*24	*22	*20	*19	*18	*16	*15	*14	*13	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-27 deg	1	53	51	48	46	43	41	38	36	34	30
			2	53	51	45	36	30	26	22	19	17	15
			3	44	34	27	23	19	16	14	*12	*11	X
	28-45 deg		1	68	61	55	48	42	37	32	29	26	23
			2	68	61	55	48	42	37	32	28	24	22
			3	68	61	55	48	42	37	32	28	24	22
	Exposure Category C	9.5-27 deg	1	49	46	43	40	37	35	31	27	23	21
			2	49	38	30	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	57	49	42	36	31	27	24	21	19	17
			2	57	49	42	36	30	26	22	19	17	15
			3	57	49	42	36	30	26	22	19	17	15
Exposure Category D	9.5-27 deg	1	47	44	40	37	34	30	26	22	20	17	
		2	40	31	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	51	43	36	31	27	23	20	18	16	14	
		2	51	43	36	30	25	22	19	16	14	*13	
		3	51	43	36	30	25	22	19	16	14	*13	
Snow 11-20 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	29	26	22	19	17	15
			3	30	30	27	23	19	16	14	*12	*11	X
	28-45 deg		1	53	49	45	41	37	34	31	29	26	23
			2	53	49	45	41	37	34	31	28	24	22
			3	53	49	45	41	37	34	31	28	24	22
	Exposure Category C	9.5-27 deg	1	30	30	29	28	26	25	24	23	22	20
			2	30	30	29	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	46	41	37	34	30	27	24	21	19	17
			2	46	41	37	34	30	26	22	19	17	15
			3	46	41	37	34	30	26	22	19	17	15
Exposure Category D	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	17	
		2	30	29	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	44	39	35	31	27	23	20	18	16	14	
		2	44	39	35	30	25	22	19	16	14	*13	
		3	44	39	35	30	25	22	19	16	14	*13	
Snow 21-30 PSF	Exposure Category B	9.5-27 deg	1	30	30	30	30	29	28	27	26	25	24
			2	30	30	30	30	29	26	22	19	17	15
			3	30	30	27	23	19	16	14	*12	*11	X
	28-45 deg		1	44	41	38	35	32	30	28	26	24	22
			2	44	41	38	35	32	30	28	26	24	22
			3	44	41	38	35	32	30	28	26	24	22
	Exposure Category C	9.5-27 deg	1	30	30	29	28	26	25	24	23	22	20
			2	30	30	29	25	21	18	16	*14	*12	*11
			3	29	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	39	35	32	30	27	25	23	21	19	17
			2	39	35	32	30	27	25	22	19	17	15
			3	39	35	32	30	27	25	22	19	17	15
Exposure Category D	9.5-27 deg	1	30	29	28	26	25	24	22	21	20	17	
		2	30	29	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	38	34	31	28	25	23	20	18	16	14	
		2	38	34	31	28	25	22	19	16	14	*13	
		3	38	34	31	28	25	22	19	16	14	*13	
Snow 31-40 PSF	Exposure Category B	9.5-27 deg	1	26	26	26	26	26	25	24	23	23	22
			2	26	26	26	26	26	25	22	19	17	15
			3	26	26	26	23	19	16	14	*12	*11	X
	28-45 deg		1	*37	*35	*33	*31	*29	*27	*25	*23	*22	*20
			2	*37	*35	*33	*31	*29	*27	*25	*23	*22	*20
			3	*37	*35	*33	*31	*29	*27	*25	*23	*22	*20
	Exposure Category C	9.5-27 deg	1	26	26	26	25	24	23	22	21	20	19
			2	26	26	26	25	21	18	16	*14	*12	*11
			3	26	24	19	16	*13	*11	*10	X	X	X
	28-45 deg		1	*34	*31	*29	*26	*24	*22	*21	*19	*18	*16
			2	*34	*31	*29	*26	*24	*22	*21	*19	*17	*15
			3	*34	*31	*29	*26	*24	*22	*21	*19	*17	*15
Exposure Category D	9.5-27 deg	1	29	28	27	26	24	23	22	21	20	17	
		2	29	28	25	21	18	15	*13	*11	*10	X	
		3	25	20	16	*13	*11	X	X	X	X	X	
28-45 deg		1	33	31	28	25	23	21	19	18	16	14	
		2	33	31	28	25	23	21	19	16	14	*13	
		3	33	31	28	25	23	21	19	16	14	*13	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

			Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180		
Snow 41-50 PSF	Exposure Category B	9.5-27 deg	1	*21	*21	*21	*21	*21	*21	*21	*21	*20	*20	*19
		2	*21	*21	*21	*21	*21	*21	*21	*19	*17	*15	X	
		3	*21	*21	*21	*21	*19	*16	*14	*12	*11	*10	X	
	28-45 deg	1	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19	
		2	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19	
		3	*33	*31	*29	*27	*26	*24	*23	*21	*20	*20	*19	
	Exposure Category C	9.5-27 deg	1	*21	*21	*21	*21	*21	*20	*19	*18	*18	*17	
		2	*21	*21	*21	*21	*21	*18	*16	*14	*12	*11	X	
		3	*21	*21	*19	*16	*13	*11	*10	X	X	X	X	
	28-45 deg	1	*30	*28	*26	*24	*22	*21	*19	*18	*16	*15	*15	
		2	*30	*28	*26	*24	*22	*21	*19	*18	*16	*15	*15	
		3	*30	*28	*26	*24	*22	*21	*19	*18	*16	*15	*15	
Exposure Category D	9.5-27 deg	1	*24	*24	*23	*22	*21	*20	*19	*18	*18	*17		
	2	*24	*24	*23	*21	*18	*15	*13	*11	*10	X	X		
	3	*24	*20	*16	*13	*11	X	X	X	X	X	X		
28-45 deg	1	*30	*28	*25	*23	*21	*20	*18	*17	*15	*14	*14		
	2	*30	*28	*25	*23	*21	*20	*18	*16	*14	*13	*13		
	3	*30	*28	*25	*23	*21	*20	*18	*16	*14	*13	*13		
Snow 51-60 PSF	Exposure Category B	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*18	*18	*18	*17	
		2	*18	*18	*18	*18	*18	*18	*16	*14	*12	*11	X	
		3	*18	*18	*18	*18	*18	*16	*11	*10	X	X	X	
	28-45 deg	1	*28	*27	*26	*25	*23	*22	*21	*20	*19	*19	*17	
		2	*28	*27	*26	*25	*23	*22	*21	*20	*19	*19	*17	
		3	*28	*27	*26	*25	*23	*22	*21	*20	*19	*19	*17	
	Exposure Category C	9.5-27 deg	1	*18	*18	*18	*18	*18	*18	*17	*16	*16	*15	
		2	*18	*18	*18	*18	*18	*18	*16	*14	*12	*11	X	
		3	*18	*18	*18	*16	*13	*11	*10	X	X	X	X	
	28-45 deg	1	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14	*14	
		2	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14	*14	
		3	*27	*25	*23	*22	*20	*19	*18	*17	*15	*14	*14	
Exposure Category D	9.5-27 deg	1	*20	*20	*20	*20	*19	*18	*17	*16	*16	*15		
	2	*20	*20	*16	*13	*11	X	X	X	X	X	X		
	3	*20	*20	*16	*13	*11	X	X	X	X	X	X		
28-45 deg	1	*27	*25	*23	*21	*20	*18	*17	*16	*14	*13	*13		
	2	*27	*25	*23	*21	*20	*18	*17	*16	*14	*13	*13		
	3	*27	*25	*23	*21	*20	*18	*17	*16	*14	*13	*13		
Snow 61-70 PSF	Exposure Category B	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-27 deg	1	*17	*17	*17	*17	*17	*16	*16	*15	*15	*14		
	2	*17	*17	*17	*17	*17	*15	*13	*11	*10	X	X		
	3	*17	*17	*16	*13	*11	X	X	X	X	X	X		
28-45 deg	1	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13	*13		
	2	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13	*13		
	3	*25	*23	*21	*20	*19	*17	*16	*15	*14	*13	*13		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 74	74	69	62	56	46	39	34	30	27	
		2 74	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
		21-27 deg	1 80	76	69	62	56	46	39	34	30	27	
		2 74	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	Exposure Category C	28-45 deg	1 82	82	79	73	66	61	56	47	40	36	
		2 79	71	62	54	42	36	31	27	*23	*21		
		3 75	64	56	41	33	27	*22	*18	*16	X		
		9.5-20 deg	1 72	63	56	44	37	32	28	*24	*21	X	
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
Exposure Category D	21-27 deg	1 72	63	56	44	37	32	28	*23	*21	X		
	2 58	42	35	29	*24	*20	X	X	X	X			
	3 44	35	29	*23	*20	X	X	X	X	X			
	28-45 deg	1 81	74	66	59	52	43	37	32	28	*25		
	2 65	56	41	35	29	*24	*21	X	X	X	X		
	3 59	43	33	26	*20	*17	X	X	X	X	X		
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1 65	57	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X		
		3 36	29	*23	*19	X	X	X	X	X	X		
		21-27 deg	1 64	57	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X		
		3 36	29	*23	*19	X	X	X	X	X	X		
	Exposure Category C	28-45 deg	1 76	67	60	51	42	36	31	27	*23	*21	
		2 58	42	35	29	*24	*21	X	X	X	X		
		3 46	34	26	*20	*16	X	X	X	X	X		
		9.5-20 deg	1 62	62	62	62	56	46	39	34	30	27	
		2 62	62	55	41	35	30	*25	*22	*19	X		
		3 62	56	41	34	29	*24	*21	X	X	X		
Exposure Category D	21-27 deg	1 74	74	69	62	56	46	39	34	30	27		
	2 74	64	55	41	35	30	*25	*22	*19	X			
	3 65	56	41	34	29	*24	*21	X	X	X			
	28-45 deg	1 76	76	76	73	66	61	56	47	40	36		
	2 76	71	62	54	42	36	31	27	*23	*21			
	3 75	64	56	41	33	27	*22	*18	*16	X			
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1 62	62	62	62	56	46	39	34	30	27	
		2 62	62	55	41	35	30	*25	*22	*19	X		
		3 62	56	41	34	29	*24	*21	X	X	X		
		21-27 deg	1 67	67	67	62	56	46	39	34	30	27	
		2 67	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	Exposure Category C	28-45 deg	1 71	71	71	71	66	61	56	47	40	36	
		2 71	71	62	54	42	36	31	27	*23	*21		
		3 71	64	56	41	33	27	*22	*18	*16	X		
		9.5-20 deg	1 62	62	56	44	37	32	28	*24	*21	X	
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
Exposure Category D	21-27 deg	1 67	63	56	44	37	32	28	*23	*21	X		
	2 58	42	35	29	*24	*20	X	X	X	X			
	3 44	35	29	*23	*20	X	X	X	X	X			
	28-45 deg	1 71	71	66	59	52	43	37	32	28	*25		
	2 65	56	41	35	29	*24	*21	X	X	X	X		
	3 59	43	33	26	*20	*17	X	X	X	X	X		
Snow 31-50 PSF	Exposure Category B	9.5-20 deg	1 62	62	62	62	56	46	39	34	30	27	
		2 62	62	55	41	35	30	*25	*22	*19	X		
		3 62	56	41	34	29	*24	*21	X	X	X		
		21-27 deg	1 67	67	67	62	56	46	39	34	30	27	
		2 67	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	Exposure Category C	28-45 deg	1 71	71	71	71	66	61	56	47	40	36	
		2 71	71	62	54	42	36	31	27	*23	*21		
		3 71	64	56	41	33	27	*22	*18	*16	X		
		9.5-20 deg	1 62	62	56	44	37	32	28	*24	*21	X	
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
Exposure Category D	21-27 deg	1 67	63	56	44	37	32	28	*23	*21	X		
	2 58	42	35	29	*24	*20	X	X	X	X			
	3 44	35	29	*23	*20	X	X	X	X	X			
	28-45 deg	1 71	71	66	59	52	43	37	32	28	*25		
	2 65	56	41	35	29	*24	*21	X	X	X	X		
	3 59	43	33	26	*20	*17	X	X	X	X	X		

55 or 126"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	57	57	57	57	56	46	39	34	30	27	
		2	57	57	55	41	35	30	*25	*22	*19	X	X	
		3	57	56	41	34	29	*24	*21	X	X	X	X	
	21-27 deg	1	62	62	62	62	56	46	39	34	30	27	27	
		2	62	62	55	41	35	30	*25	*22	*19	X	X	
		3	62	56	41	34	29	*24	*21	X	X	X	X	
	28-45 deg	1	65	65	65	65	65	65	65	47	40	36	36	
		2	65	65	62	54	42	36	31	27	*23	*21	*21	
		3	65	64	56	41	33	27	*22	*18	*16	X	X	
	Exposure Category C	9.5-20 deg	1	57	57	56	44	37	32	28	*24	*21	X	X
			2	57	42	35	29	*24	*20	X	X	X	X	X
			3	44	35	29	*23	*20	X	X	X	X	X	X
21-27 deg		1	62	62	56	44	37	32	28	*23	*21	X	X	
		2	58	42	35	29	*24	*20	X	X	X	X	X	
		3	44	35	29	*23	*20	X	X	X	X	X	X	
28-45 deg		1	65	65	65	59	52	43	37	32	28	*25	*25	
		2	65	56	41	35	29	*24	*21	X	X	X	X	
		3	59	43	33	26	*20	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	59	57	45	37	31	27	*23	*20	X	X	X	
		2	45	35	29	*24	*20	X	X	X	X	X	X	
		3	36	29	*23	*19	X	X	X	X	X	X	X	
	21-27 deg	1	64	57	45	37	31	27	*23	*20	X	X	X	
		2	45	35	29	*24	*20	X	X	X	X	X	X	
		3	36	29	*23	*19	X	X	X	X	X	X	X	
	28-45 deg	1	68	67	60	51	42	36	31	27	*23	*21	*21	
		2	58	42	35	29	*24	*21	X	X	X	X	X	
		3	46	34	26	*20	*16	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	52	52	52	52	46	39	34	30	27		
		2	52	52	52	41	35	30	*25	*22	*19	X	X	
		3	52	52	41	34	29	*24	*21	X	X	X	X	
	21-27 deg	1	55	55	55	55	55	46	39	34	30	27	27	
		2	55	55	55	41	35	30	*25	*22	*19	X	X	
		3	55	55	41	34	29	*24	*21	X	X	X	X	
	28-45 deg	1	54	54	54	54	54	54	54	47	40	36	36	
		2	54	54	54	54	42	36	31	27	*23	*21	*21	
		3	54	54	54	41	33	27	*22	*18	*16	X	X	
	Exposure Category C	9.5-20 deg	1	52	52	52	44	37	32	28	*24	*21	X	X
			2	52	42	35	29	*24	*20	X	X	X	X	X
			3	44	35	29	*23	*20	X	X	X	X	X	X
21-27 deg		1	55	55	55	44	37	32	28	*23	*21	X	X	
		2	55	42	35	29	*24	*20	X	X	X	X	X	
		3	44	35	29	*23	*20	X	X	X	X	X	X	
28-45 deg		1	54	54	54	54	52	43	37	32	28	*25	*25	
		2	54	54	41	35	29	*24	*21	X	X	X	X	
		3	54	43	33	26	*20	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	54	54	45	37	31	27	*23	*20	X	X	X	
		2	45	35	29	*24	*20	X	X	X	X	X	X	
		3	36	29	*23	*19	X	X	X	X	X	X	X	
	21-27 deg	1	60	57	45	37	31	27	*23	*20	X	X	X	
		2	45	35	29	*24	*20	X	X	X	X	X	X	
		3	36	29	*23	*19	X	X	X	X	X	X	X	
	28-45 deg	1	59	59	59	51	42	36	31	27	*23	*21	*21	
		2	58	42	35	29	*24	*21	X	X	X	X	X	
		3	46	34	26	*20	*16	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*54	*54	*54	*54	*54	*45	*38	*33	*29	*26	
		2	*54	*54	*53	*40	*34	*29	*25	*22	*19	X	X	
		3	*54	*54	*40	*33	*28	*24	*21	X	X	X	X	
	21-27 deg	1	*46	*46	*46	*46	*46	*45	*38	*33	*29	*26	*26	
		2	*46	*46	*46	*40	*34	*29	*25	*22	*19	X	X	
		3	*46	*46	*40	*33	*28	*24	*21	X	X	X	X	
	28-45 deg	1	*46	*46	*46	*46	*46	*46	*46	*45	*39	*35	*35	
		2	*46	*46	*46	*46	*41	*35	*30	*26	*23	*21	*21	
		3	*46	*46	*46	*40	*32	*26	*22	*18	*16	X	X	
	Exposure Category C	9.5-20 deg	1	*54	*54	*54	*43	*36	*31	*27	*24	*21	X	X
			2	*54	*41	*34	*28	*24	*20	X	X	X	X	X
			3	*42	*34	*28	*23	*20	X	X	X	X	X	X
21-27 deg		1	*46	*46	*46	*43	*36	*31	*27	*23	*21	X	X	
		2	*46	*41	*34	*28	*24	*20	X	X	X	X	X	
		3	*42	*34	*28	*23	*20	X	X	X	X	X	X	
28-45 deg		1	*46	*46	*46	*46	*46	*42	*36	*32	*28	*25	*25	
		2	*46	*46	*40	*34	*29	*24	*21	X	X	X	X	
		3	*46	*41	*32	*25	*20	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	50	50	45	37	31	27	*23	*20	X	X	X	
		2	45	35	29	*24	*20	X	X	X	X	X	X	
		3	36	29	*23	*19	X	X	X	X	X	X	X	
	21-27 deg	1	*51	*51	*43	*36	*30	*26	*23	*20	X	X	X	
		2	*43	*34	*28	*24	*20	X	X	X	X	X	X	
		3	*36	*28	*23	*19	X	X	X	X	X	X	X	
	28-45 deg	1	*50	*50	*50	*50	*41	*35	*30	*26	*23	*20	*20	
		2	*50	*41	*34	*28	*24	*21	X	X	X	X	X	
		3	*44	*33	*25	*20	*16	X	X	X	X	X	X	

56 or 126"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*46	*46	*46	*46	*46	*45	*38	*33	*29	*26
		2	*46	*46	*46	*40	*34	*29	*25	*22	*19	X	
		3	*46	*46	*40	*33	*28	*24	*21	X	X	X	
	21-27 deg	1	*40	*40	*40	*40	*40	*40	*38	*33	*29	*26	
		2	*40	*40	*40	*40	*34	*29	*25	*22	*19	X	
		3	*40	*40	*40	*33	*28	*24	*21	X	X	X	
	28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*39	*35	
		2	*40	*40	*40	*40	*40	*35	*30	*26	*23	*21	
		3	*40	*40	*40	*40	*32	*26	*22	*18	*16	X	
	Exposure Category C	9.5-20 deg	1	*46	*46	*46	*43	*36	*31	*27	*24	*21	X
		2	*46	*41	*34	*28	*24	*20	X	X	X	X	X
		3	*42	*34	*28	*23	*20	X	X	X	X	X	X
21-27 deg	1	*40	*40	*40	*40	*36	*31	*27	*23	*21	X		
	2	*40	*40	*34	*28	*24	*20	X	X	X	X		
	3	*40	*34	*28	*23	*20	X	X	X	X	X		
28-45 deg	1	*40	*40	*40	*40	*40	*40	*36	*32	*28	*25		
	2	*40	*40	*40	*34	*29	*24	*21	X	X	X		
	3	*40	*40	*32	*25	*20	*17	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*51	*51	*43	*36	*30	*26	*23	*20	X	X	
	2	*43	*34	*28	*24	*20	X	X	X	X	X	X	
	3	*36	*28	*23	*19	X	X	X	X	X	X	X	
21-27 deg	1	*44	*44	*43	*36	*30	*26	*23	*20	X	X		
	2	*43	*34	*28	*24	*20	X	X	X	X	X		
	3	*36	*28	*23	*19	X	X	X	X	X	X		
28-45 deg	1	*44	*44	*44	*44	*41	*35	*30	*26	*23	*21		
	2	*44	*41	*34	*28	*24	*21	X	X	X	X		
	3	*44	*33	*25	*20	*16	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 67	67	64	57	47	39	33	29	*25	*22
		2 67	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X	X	
	21-27 deg	1 76	72	64	57	47	39	33	29	*25	*22	
		2 70	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X	X	
	28-45 deg	1 77	77	75	67	61	56	46	39	34	30	
		2 76	67	58	45	35	30	26	*22	*19	X	
		3 71	61	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 66	58	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	
			3 37	29	*23	*19	X	X	X	X	X	
21-27 deg		1 66	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X		
		3 37	29	*23	*19	X	X	X	X	X		
28-45 deg		1 77	69	61	54	43	36	31	27	*23	*21	
		2 61	48	35	29	*24	*20	X	X	X	X	
		3 54	36	27	*21	*17	X	X	X	X		
Exposure Category D	9.5-20 deg	1 60	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	28-45 deg	1 70	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X		
		3 39	28	*21	*17	X	X	X	X	X		
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1 56	56	56	56	47	39	33	29	*25	*22
		2 56	56	46	34	29	*24	*21	*18	X	X	
		3 56	47	34	28	*23	*20	X	X	X		
	21-27 deg	1 68	68	64	57	47	39	33	29	*25	*22	
		2 68	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X		
	28-45 deg	1 71	71	71	67	61	56	46	39	34	30	
		2 71	67	58	45	35	30	26	*22	*19	X	
		3 71	61	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 56	56	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	
			3 37	29	*23	*19	X	X	X	X	X	
21-27 deg		1 66	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X		
		3 37	29	*23	*19	X	X	X	X	X		
28-45 deg		1 71	69	61	54	43	36	31	27	*23	*21	
		2 61	48	35	29	*24	*20	X	X	X		
		3 54	36	27	*21	*17	X	X	X	X		
Exposure Category D	9.5-20 deg	1 56	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	28-45 deg	1 70	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X		
		3 39	28	*21	*17	X	X	X	X	X		
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1 56	56	56	56	47	39	33	29	*25	*22
		2 56	56	46	34	29	*24	*21	*18	X	X	
		3 56	47	34	28	*23	*20	X	X	X		
	21-27 deg	1 61	61	61	57	47	39	33	29	*25	*22	
		2 61	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X		
	28-45 deg	1 65	65	65	65	61	56	46	39	34	30	
		2 65	65	58	45	35	30	26	*22	*19	X	
		3 65	61	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 56	56	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	
			3 37	29	*23	*19	X	X	X	X	X	
21-27 deg		1 61	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X		
		3 37	29	*23	*19	X	X	X	X	X		
28-45 deg		1 65	65	61	54	43	36	31	27	*23	*21	
		2 61	48	35	29	*24	*20	X	X	X		
		3 54	36	27	*21	*17	X	X	X	X		
Exposure Category D	9.5-20 deg	1 56	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X		
		2 38	30	*24	*20	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X		
	28-45 deg	1 67	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X		
		3 39	28	*21	*17	X	X	X	X	X		

OR 120"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 52	52	52	52	47	39	33	29	*25	*22	
		2 52	52	46	34	29	*24	*21	*18	X	X		
		3 52	47	34	28	*23	*20	X	X	X	X		
	21-27 deg	1 56	56	56	56	47	39	33	29	*25	*22		
		2 56	56	46	34	29	*24	*21	*18	X	X		
		3 56	47	34	28	*23	*20	X	X	X	X		
	28-45 deg	1 *55	*55	*55	*55	*55	*54	*45	*38	*33	*29		
		2 *55	*55	*55	*44	*34	*29	*25	*22	*19	X		
		3 *55	*55	*45	*33	*27	*22	*18	*15	X	X		
	Snow 41-50 PSF	Exposure Category C	9.5-20 deg	1 52	52	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	X	
			3 37	29	*23	*19	X	X	X	X	X	X	
21-27 deg		1 56	56	47	37	31	27	*22	*20	X	X		
		2 52	35	29	*23	*20	X	X	X	X	X		
		3 37	29	*23	*19	X	X	X	X	X	X		
28-45 deg		1 *55	*55	*55	*52	*42	*35	*30	*26	*23	*21		
		2 *55	*46	*34	*28	*24	*20	X	X	X	X		
		3 *52	*34	*26	*21	*17	X	X	X	X	X		
Snow 51-60 PSF		Exposure Category D	9.5-20 deg	1 54	48	37	31	26	*22	*19	X	X	
			2 38	30	*24	*20	X	X	X	X	X	X	
			3 30	*24	*19	X	X	X	X	X	X	X	
	21-27 deg	1 58	48	37	31	26	*22	*19	X	X	X		
		2 38	30	*24	*20	X	X	X	X	X	X		
		3 30	*24	*19	X	X	X	X	X	X	X		
	28-45 deg	1 60	60	54	43	35	30	26	*22	*19	X		
		2 52	35	29	*24	*20	X	X	X	X	X		
		3 39	28	*21	*17	X	X	X	X	X	X		
	Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1 *53	*53	*53	*53	*46	*37	*32	*28	*25	*22
			2 *53	*53	*44	*33	*28	*24	*21	*18	X	X	
			3 *53	*45	*33	*28	*23	*20	X	X	X	X	
21-27 deg		1 *46	*46	*46	*46	*46	*37	*32	*28	*25	*22		
		2 *46	*46	*44	*33	*28	*24	*21	*18	X	X		
		3 *46	*45	*33	*28	*23	*20	X	X	X	X		
28-45 deg		1 *45	*45	*45	*45	*45	*45	*45	*38	*33	*29		
		2 *45	*45	*45	*44	*34	*29	*25	*22	*19	X		
		3 *45	*45	*45	*33	*27	*22	*18	*15	X	X		
Snow 71-80 PSF		Exposure Category C	9.5-20 deg	1 *53	*53	*46	*36	*30	*26	*22	*20	X	X
			2 *50	*34	*28	*23	*20	X	X	X	X	X	
			3 *35	*28	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 *46	*46	*46	*36	*30	*26	*22	*20	X	X		
		2 *46	*34	*28	*23	*20	X	X	X	X	X		
		3 *35	*28	*23	*19	X	X	X	X	X	X		
	28-45 deg	1 *45	*45	*45	*45	*42	*35	*30	*26	*23	*21		
		2 *45	*45	*34	*28	*24	*20	X	X	X	X		
		3 *45	*34	*26	*21	*17	X	X	X	X	X		
	Snow 81-90 PSF	Exposure Category D	9.5-20 deg	1 50	48	37	31	26	*22	*19	X	X	
			2 38	30	*24	*20	X	X	X	X	X	X	
			3 30	*24	*19	X	X	X	X	X	X	X	
21-27 deg		1 *50	*47	*36	*30	*25	*22	*19	X	X	X		
		2 *36	*29	*24	*20	X	X	X	X	X	X		
		3 *30	*24	*19	X	X	X	X	X	X	X		
28-45 deg		1 *49	*49	*49	*42	*34	*29	*25	*22	*19	X		
		2 *49	*35	*28	*24	*20	X	X	X	X	X		
		3 *37	*27	*21	*17	X	X	X	X	X	X		
Snow 91-100 PSF		Exposure Category B	9.5-20 deg	1 *45	*45	*45	*45	*45	*37	*32	*28	*25	*22
			2 *45	*45	*44	*33	*28	*24	*21	*18	X	X	
			3 *45	*45	*33	*28	*23	*20	X	X	X	X	
	21-27 deg	1 X	X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X	X		
	28-45 deg	1 X	X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X	X		
	Snow 101-110 PSF	Exposure Category C	9.5-20 deg	1 *45	*45	*45	*36	*30	*26	*22	*20	X	X
			2 *45	*34	*28	*23	*20	X	X	X	X	X	
			3 *35	*28	*23	*19	X	X	X	X	X	X	
21-27 deg		1 X	X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X	X		
28-45 deg		1 X	X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X	X		
Snow 111-120 PSF		Exposure Category D	9.5-20 deg	1 *49	*47	*36	*30	*25	*22	*19	X	X	
			2 *36	*29	*24	*20	X	X	X	X	X	X	
			3 *30	*24	*19	X	X	X	X	X	X	X	
	21-27 deg	1 *43	*43	*36	*30	*25	*22	*19	X	X	X		
		2 *36	*29	*24	*20	X	X	X	X	X	X		
		3 *30	*24	*19	X	X	X	X	X	X	X		
	28-45 deg	1 *42	*42	*42	*42	*34	*29	*25	*22	*19	X		
		2 *42	*35	*28	*24	*20	X	X	X	X	X		
		3 *37	*27	*21	*17	X	X	X	X	X	X		

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*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	*43	*43	*36	*30	*25	*22	*19	X	X	X	X	
		2	*36	*29	*24	*20	X	X	X	X	X	X	X	
		3	*30	*24	*19	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 74	74	69	62	56	46	39	34	30	27	
		2 74	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	21-27 deg	1 80	76	69	62	56	46	39	34	30	27		
		2 74	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	28-45 deg	1 82	82	79	73	66	61	56	47	40	36		
		2 79	71	62	54	42	36	31	27	*23	*21		
		3 75	64	56	41	33	27	*22	*18	*16	X		
	Snow 11-20 PSF	Exposure Category C	9.5-20 deg	1 72	63	56	44	37	32	28	*24	*21	X
			2 58	42	35	29	*24	*20	X	X	X	X	
			3 44	35	29	*23	*20	X	X	X	X	X	
21-27 deg		1 72	63	56	44	37	32	28	*23	*21	X		
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
28-45 deg		1 81	74	66	59	52	43	37	32	28	*25		
		2 65	56	41	35	29	*24	*21	X	X	X		
		3 59	43	33	26	*20	*17	X	X	X	X		
Snow 21-30 PSF		Exposure Category D	9.5-20 deg	1 65	57	45	37	31	27	*23	*20	X	X
			2 45	35	29	*24	*20	X	X	X	X	X	
			3 36	29	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 64	57	45	37	31	27	*23	*20	X	X		
		2 45	35	29	*24	*20	X	X	X	X	X		
		3 36	29	*23	*19	X	X	X	X	X	X		
	28-45 deg	1 76	67	60	51	42	36	31	27	*23	*21		
		2 58	42	35	29	*24	*21	X	X	X	X		
		3 46	34	26	*20	*16	X	X	X	X	X		
	Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 62	62	62	62	56	46	39	34	30	27
			2 62	62	55	41	35	30	*25	*22	*19	X	
			3 62	56	41	34	29	*24	*21	X	X	X	
21-27 deg		1 74	74	69	62	56	46	39	34	30	27		
		2 74	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
28-45 deg		1 76	76	76	73	66	61	56	47	40	36		
		2 76	71	62	54	42	36	31	27	*23	*21		
		3 75	64	56	41	33	27	*22	*18	*16	X		
Snow 11-20 PSF		Exposure Category C	9.5-20 deg	1 62	62	56	44	37	32	28	*24	*21	X
			2 58	42	35	29	*24	*20	X	X	X	X	
			3 44	35	29	*23	*20	X	X	X	X	X	
	21-27 deg	1 72	63	56	44	37	32	28	*23	*21	X		
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
	28-45 deg	1 76	74	66	59	52	43	37	32	28	*25		
		2 65	56	41	35	29	*24	*21	X	X	X		
		3 59	43	33	26	*20	*17	X	X	X	X		
	Snow 21-30 PSF	Exposure Category D	9.5-20 deg	1 62	57	45	37	31	27	*23	*20	X	X
			2 45	35	29	*24	*20	X	X	X	X	X	
			3 36	29	*23	*19	X	X	X	X	X	X	
21-27 deg		1 64	57	45	37	31	27	*23	*20	X	X		
		2 45	35	29	*24	*20	X	X	X	X	X		
		3 36	29	*23	*19	X	X	X	X	X	X		
28-45 deg		1 76	67	60	51	42	36	31	27	*23	*21		
		2 58	42	35	29	*24	*21	X	X	X	X		
		3 46	34	26	*20	*16	X	X	X	X	X		
Snow 1-10 PSF		Exposure Category B	9.5-20 deg	1 62	62	62	62	56	46	39	34	30	27
			2 62	62	55	41	35	30	*25	*22	*19	X	
			3 62	56	41	34	29	*24	*21	X	X	X	
	21-27 deg	1 67	67	67	62	56	46	39	34	30	27		
		2 67	64	55	41	35	30	*25	*22	*19	X		
		3 65	56	41	34	29	*24	*21	X	X	X		
	28-45 deg	1 69	69	69	69	66	61	56	47	40	36		
		2 69	69	62	54	42	36	31	27	*23	*21		
		3 69	64	56	41	33	27	*22	*18	*16	X		
	Snow 11-20 PSF	Exposure Category C	9.5-20 deg	1 62	62	56	44	37	32	28	*24	*21	X
			2 58	42	35	29	*24	*20	X	X	X	X	
			3 44	35	29	*23	*20	X	X	X	X	X	
21-27 deg		1 67	63	56	44	37	32	28	*23	*21	X		
		2 58	42	35	29	*24	*20	X	X	X	X		
		3 44	35	29	*23	*20	X	X	X	X	X		
28-45 deg		1 69	69	66	59	52	43	37	32	28	*25		
		2 65	56	41	35	29	*24	*21	X	X	X		
		3 59	43	33	26	*20	*17	X	X	X	X		
Snow 21-30 PSF		Exposure Category D	9.5-20 deg	1 62	57	45	37	31	27	*23	*20	X	X
			2 45	35	29	*24	*20	X	X	X	X	X	
			3 36	29	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 64	57	45	37	31	27	*23	*20	X	X		
		2 45	35	29	*24	*20	X	X	X	X	X		
		3 36	29	*23	*19	X	X	X	X	X	X		
	28-45 deg	1 71	67	60	51	42	36	31	27	*23	*21		
		2 58	42	35	29	*24	*21	X	X	X	X		
		3 46	34	26	*20	*16	X	X	X	X	X		

61 or 126"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 57	57	57	57	56	46	39	34	30	27
		2 57	57	55	41	35	30	*25	*22	*19	X	
		3 57	56	41	34	29	*24	*21	X	X	X	
	21-27 deg	1 61	61	61	61	56	46	39	34	30	27	
		2 61	61	55	41	35	30	*25	*22	*19	X	
		3 61	56	41	34	29	*24	*21	X	X	X	
	28-45 deg	1 60	60	60	60	60	60	56	47	40	36	
		2 60	60	60	54	42	36	31	27	*23	*21	
		3 60	60	56	41	33	27	*22	*18	*16	X	
	Exposure Category C	9.5-20 deg	1 57	57	56	44	37	32	28	*24	*21	X
			2 57	42	35	29	*23	*20	X	X	X	X
			3 44	35	29	*23	*20	X	X	X	X	X
21-27 deg		1 61	61	56	44	37	32	28	*23	*21	X	
		2 58	42	35	29	*24	*20	X	X	X	X	
		3 44	35	29	*23	*20	X	X	X	X	X	
28-45 deg		1 60	60	60	59	52	43	37	32	28	*25	
		2 60	56	41	35	29	*24	*21	X	X	X	
		3 59	43	33	26	*20	*17	X	X	X	X	
Exposure Category D	9.5-20 deg	1 59	57	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X	
		3 36	29	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 64	57	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X	
		3 36	29	*23	*19	X	X	X	X	X	X	
	28-45 deg	1 64	64	60	51	42	36	31	27	*23	*21	
		2 58	42	35	29	*24	*21	X	X	X	X	
		3 46	34	26	*20	*16	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 52	52	52	52	52	46	39	34	30	27
		2 52	52	41	34	29	*24	*21	X	X	X	
		3 52	52	41	34	29	*24	*21	X	X	X	
	21-27 deg	1 *53	*53	*53	*53	*53	*53	*45	*38	*33	*29	*26
		2 *53	*53	*53	*40	*34	*29	*25	*22	*19	X	
		3 *53	*53	*40	*33	*28	*24	*21	X	X	X	
	28-45 deg	1 *52	*52	*52	*52	*52	*52	*52	*45	*39	*35	
		2 *52	*52	*52	*52	*41	*35	*30	*26	*23	*21	
		3 *52	*52	*52	*40	*32	*26	*22	*18	*16	X	
	Exposure Category C	9.5-20 deg	1 52	52	52	44	37	32	28	*24	*21	X
			2 52	42	35	29	*24	*20	X	X	X	X
			3 44	35	29	*23	*20	X	X	X	X	X
21-27 deg		1 *53	*53	*53	*43	*36	*31	*27	*23	*21	X	
		2 *53	*41	*34	*28	*24	*20	X	X	X	X	
		3 *42	*34	*28	*23	*20	X	X	X	X	X	
28-45 deg		1 *52	*52	*52	*52	*50	*42	*36	*32	*28	*25	
		2 *52	*52	*40	*34	*29	*24	*21	X	X	X	
		3 *52	*41	*32	*25	*20	*17	X	X	X	X	
Exposure Category D	9.5-20 deg	1 54	54	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X	
		3 36	29	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 56	56	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X	
		3 36	29	*23	*19	X	X	X	X	X	X	
	28-45 deg	1 56	56	56	51	42	36	31	27	*23	*21	
		2 56	42	35	29	*24	*21	X	X	X	X	
		3 46	34	26	*20	*16	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1 *52	*52	*52	*52	*52	*45	*38	*33	*29	*26
		2 *52	*52	*52	*40	*34	*29	*25	*22	*19	X	
		3 *52	*52	*40	*33	*28	*24	*21	X	X	X	
	21-27 deg	1 *46	*46	*46	*46	*46	*45	*38	*33	*29	*26	
		2 *46	*46	*46	*40	*34	*29	*25	*22	*19	X	
		3 *46	*46	*40	*33	*28	*24	*21	X	X	X	
	28-45 deg	1 *46	*46	*46	*46	*46	*46	*46	*45	*39	*35	
		2 *46	*46	*46	*46	*41	*35	*30	*26	*23	*21	
		3 *46	*46	*46	*40	*32	*26	*22	*18	*16	X	
	Exposure Category C	9.5-20 deg	1 *52	*52	*52	*43	*36	*31	*27	*24	*21	X
			2 *52	*41	*34	*28	*23	*20	X	X	X	X
			3 *42	*34	*28	*23	*20	X	X	X	X	X
21-27 deg		1 *46	*46	*46	*43	*36	*31	*27	*23	*21	X	
		2 *46	*41	*34	*28	*24	*20	X	X	X	X	
		3 *42	*34	*28	*23	*20	X	X	X	X	X	
28-45 deg		1 *46	*46	*46	*46	*46	*42	*36	*32	*28	*25	
		2 *46	*46	*40	*34	*29	*24	*21	X	X	X	
		3 *46	*41	*32	*25	*20	*17	X	X	X	X	
Exposure Category D	9.5-20 deg	1 50	50	45	37	31	27	*23	*20	X	X	
		2 45	35	29	*24	*20	X	X	X	X	X	
		3 36	29	*23	*19	X	X	X	X	X	X	
	21-27 deg	1 *50	*50	*43	*36	*30	*26	*23	*20	X	X	
		2 *43	*34	*28	*24	*20	X	X	X	X	X	
		3 *36	*28	*23	*19	X	X	X	X	X	X	
	28-45 deg	1 *50	*50	*50	*50	*41	*35	*30	*26	*23	*21	
		2 *50	*41	*34	*28	*24	*21	X	X	X	X	
		3 *44	*33	*25	*20	*16	X	X	X	X	X	

62 or 126"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*46	*46	*46	*46	*46	*45	*38	*33	*29	*26
			2	*46	*46	*46	*40	*34	*29	*25	*22	*19	X
			3	*46	*46	*40	*33	*28	*24	*21	X	X	X
		21-27 deg	1	*40	*40	*40	*40	*40	*40	*38	*33	*29	*26
			2	*40	*40	*40	*40	*34	*29	*25	*22	*19	X
			3	*40	*40	*40	*33	*28	*24	*21	X	X	X
		28-45 deg	1	*40	*40	*40	*40	*40	*40	*40	*40	*39	*35
			2	*40	*40	*40	*40	*40	*35	*30	*26	*23	*21
			3	*40	*40	*40	*40	*32	*26	*22	*18	*16	X
	Exposure Category C	9.5-20 deg	1	*46	*46	*46	*43	*36	*31	*27	*24	*21	X
			2	*46	*41	*34	*28	*24	*20	X	X	X	X
			3	*42	*34	*28	*23	*20	X	X	X	X	X
		21-27 deg	1	*40	*40	*40	*40	*36	*31	*27	*23	*21	X
			2	*40	*40	*34	*28	*24	*20	X	X	X	X
			3	*40	*34	*28	*23	*20	X	X	X	X	X
		28-45 deg	1	*40	*40	*40	*40	*40	*40	*36	*32	*28	*25
			2	*40	*40	*40	*34	*29	*24	*21	X	X	X
			3	*40	*40	*32	*25	*20	*17	X	X	X	X
	Exposure Category D	9.5-20 deg	1	*50	*50	*43	*36	*30	*26	*23	*20	X	X
			2	*43	*34	*28	*24	*20	X	X	X	X	X
			3	*36	*28	*23	*19	X	X	X	X	X	X
		21-27 deg	1	*44	*44	*43	*36	*30	*26	*23	*20	X	X
			2	*43	*34	*28	*24	*20	X	X	X	X	X
			3	*36	*28	*23	*19	X	X	X	X	X	X
28-45 deg		1	*44	*44	*44	*44	*41	*35	*30	*26	*23	*21	
		2	*44	*41	*34	*28	*24	*21	X	X	X	X	
		3	*44	*33	*25	*20	*16	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 67	67	64	57	47	39	33	29	*25	*22
		2 67	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X	X	
	21-27 deg	1 76	72	64	57	47	39	33	29	*25	*22	
		2 70	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X	X	
	28-45 deg	1 77	77	75	67	61	56	46	39	34	30	
		2 76	67	58	45	35	30	26	*22	*19	X	
		3 71	61	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 66	58	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	X
			3 37	29	*23	*19	X	X	X	X	X	X
21-27 deg		1 66	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X	X	
		3 37	29	*23	*19	X	X	X	X	X	X	
28-45 deg		1 77	69	61	54	43	36	31	27	*23	*21	
		2 61	48	35	29	*24	*20	X	X	X	X	
		3 54	36	27	*21	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 60	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	28-45 deg	1 70	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X	X	
		3 39	28	*21	*17	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1 56	56	56	56	47	39	33	29	*25	*22
		2 56	56	46	34	29	*24	*21	*18	X	X	
		3 56	47	34	28	*23	*20	X	X	X	X	
	21-27 deg	1 68	68	64	57	47	39	33	29	*25	*22	
		2 68	60	46	34	29	*24	*21	*18	X	X	
		3 61	47	34	28	*23	*20	X	X	X	X	
	28-45 deg	1 69	69	69	67	61	56	46	39	34	30	
		2 69	67	58	45	35	30	26	*22	*19	X	
		3 69	61	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 56	56	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	X
			3 37	29	*23	*19	X	X	X	X	X	X
21-27 deg		1 66	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X	X	
		3 37	29	*23	*19	X	X	X	X	X	X	
28-45 deg		1 69	69	61	54	43	36	31	27	*23	*21	
		2 61	48	35	29	*24	*20	X	X	X	X	
		3 54	36	27	*21	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 56	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	28-45 deg	1 70	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X	X	
		3 39	28	*21	*17	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1 56	56	56	56	47	39	33	29	*25	*22
		2 56	56	46	34	29	*24	*21	*18	X	X	
		3 56	47	34	28	*23	*20	X	X	X	X	
	21-27 deg	1 59	59	59	57	47	39	33	29	*25	*22	
		2 59	59	46	34	29	*24	*21	*18	X	X	
		3 59	47	34	28	*23	*20	X	X	X	X	
	28-45 deg	1 59	59	59	59	59	56	46	39	34	30	
		2 59	59	58	45	35	30	26	*22	*19	X	
		3 59	59	48	34	27	22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 56	56	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	X
			3 37	29	*23	*19	X	X	X	X	X	X
21-27 deg		1 59	58	47	37	31	27	*22	*20	X	X	
		2 52	35	29	*23	*20	X	X	X	X	X	
		3 37	29	*23	*19	X	X	X	X	X	X	
28-45 deg		1 59	59	59	54	43	36	31	27	*23	*21	
		2 59	48	35	29	*24	*20	X	X	X	X	
		3 54	36	27	*21	*17	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 56	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	21-27 deg	1 60	48	37	31	26	*22	*19	X	X	X	
		2 38	30	*24	*20	X	X	X	X	X	X	
		3 30	*24	*19	X	X	X	X	X	X	X	
	28-45 deg	1 62	62	54	43	35	30	26	*22	*19	X	
		2 52	35	29	*24	*20	X	X	X	X	X	
		3 39	28	*21	*17	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 52	52	52	52	47	39	33	29	*25	*22
		2 52	52	46	34	29	*24	*21	*18	X	X	
		3 52	47	34	28	*23	*20	X	X	X	X	
	21-27 deg	1 *51	*51	*51	*51	*51	*46	*37	*32	*28	*25	*22
		2 *51	*51	*44	*33	*28	*24	*21	*18	X	X	
		3 *51	*45	*33	*28	*23	*20	X	X	X	X	
	28-45 deg	1 *50	*50	*50	*50	*50	*50	*45	*38	*33	*29	X
		2 *50	*50	*50	*44	*34	*29	*25	*22	*19	X	
		3 *50	*50	*45	*33	*27	*22	*18	*15	X	X	
	Exposure Category C	9.5-20 deg	1 52	52	47	37	31	27	*22	*20	X	X
			2 52	35	29	*23	*20	X	X	X	X	X
			3 37	29	*23	*19	X	X	X	X	X	X
21-27 deg		1 *51	*51	*46	*36	*30	*26	*22	*20	X	X	
		2 *50	*34	*28	*23	*20	X	X	X	X	X	
		3 *35	*28	*23	*19	X	X	X	X	X	X	
28-45 deg		1 *50	*50	*50	*50	*42	*35	*30	*26	*23	*21	
		2 *50	*46	*34	*28	*24	*20	X	X	X	X	
		3 *50	*34	*26	*21	*17	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1 54	48	37	31	26	*22	*19	X	X	
			2 38	30	*24	*20	X	X	X	X	X	
			3 30	*24	*19	X	X	X	X	X	X	
	21-27 deg	1 *54	*47	*36	*30	*25	*22	*19	X	X		
		2 *36	*29	*24	*20	X	X	X	X	X		
		3 *30	*24	*19	X	X	X	X	X	X		
	28-45 deg	1 *53	*53	*53	*42	*34	*29	*25	*22	*19	X	
		2 *50	*35	*28	*24	*20	X	X	X	X		
		3 *37	*27	*21	*17	X	X	X	X	X		
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 *49	*49	*49	*49	*46	*37	*32	*28	*25
			2 *49	*49	*44	*33	*28	*24	*21	*18	X	X
			3 *49	*45	*33	*28	*23	*20	X	X	X	
21-27 deg		1 *44	*44	*44	*44	*44	*37	*32	*28	*25	*22	
		2 *44	*44	*44	*33	*28	*24	*21	*18	X	X	
		3 *44	*44	*33	*28	*23	*20	X	X	X		
28-45 deg		1 *44	*44	*44	*44	*44	*44	*44	*38	*33	*29	
		2 *44	*44	*44	*44	*34	*29	*25	*22	*19	X	
		3 *44	*44	*44	*33	*27	*22	*18	*15	X		
Exposure Category C		9.5-20 deg	1 *49	*49	*46	*36	*30	*26	*22	*20	X	
			2 *49	*34	*28	*23	*20	X	X	X	X	
			3 *35	*28	*23	*19	X	X	X	X	X	
	21-27 deg	1 *44	*44	*44	*36	*30	*26	*22	*20	X		
		2 *44	*34	*28	*23	*20	X	X	X	X		
		3 *35	*28	*23	*19	X	X	X	X	X		
	28-45 deg	1 *44	*44	*44	*44	*42	*35	*30	*26	*23	*21	
		2 *44	*44	*34	*28	*24	*20	X	X	X		
		3 *44	*34	*26	*21	*17	X	X	X	X		
	Exposure Category D	9.5-20 deg	1 *52	*47	*36	*30	*25	*22	*19	X	X	
			2 *36	*29	*24	*20	X	X	X	X	X	
			3 *30	*24	*19	X	X	X	X	X	X	
21-27 deg		1 *47	*47	*36	*30	*25	*22	*19	X	X		
		2 *36	*29	*24	*20	X	X	X	X	X		
		3 *30	*24	*19	X	X	X	X	X	X		
28-45 deg		1 *47	*47	*47	*42	*34	*29	*25	*22	*19	X	
		2 *47	*35	*28	*24	*20	X	X	X	X		
		3 *37	*27	*21	*17	X	X	X	X	X		
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	1 *44	*44	*44	*44	*44	*37	*32	*28	*25
			2 *44	*44	*44	*33	*28	*24	*21	*18	X	
			3 *44	*44	*33	*28	*23	*20	X	X	X	
	21-27 deg	1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X		
	28-45 deg	1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X		
	Exposure Category C	9.5-20 deg	1 *44	*44	*44	*36	*30	*26	*22	*20	X	
			2 *44	*34	*28	*23	*20	X	X	X	X	
			3 *35	*28	*23	*19	X	X	X	X	X	
21-27 deg		1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X		
28-45 deg		1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X	X		
Exposure Category D		9.5-20 deg	1 *47	*47	*36	*30	*25	*22	*19	X	X	
			2 *36	*29	*24	*20	X	X	X	X	X	
			3 *30	*24	*19	X	X	X	X	X	X	
	21-27 deg	1 *42	*42	*36	*30	*25	*22	*19	X	X		
		2 *36	*29	*24	*20	X	X	X	X	X		
		3 *30	*24	*19	X	X	X	X	X	X		
	28-45 deg	1 *41	*41	*41	*41	*34	*29	*25	*22	*19		
		2 *41	*35	*28	*24	*20	X	X	X	X		
		3 *37	*27	*21	*17	X	X	X	X	X		

65 or 126"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	*42	*42	*36	*30	*25	*22	*19	X	X	X	X	
		2	*36	*29	*24	*20	X	X	X	X	X	X	X	
		3	*30	*24	*19	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 88	88	84	78	72	65	61	57	51	45
		2 88	80	70	62	57	50	*42	*37	*33	X	
		3 81	71	62	56	48	*40	*35	X	X	X	
	21-27 deg	1 95	91	84	78	72	65	61	57	51	45	
		2 89	80	70	62	57	50	*42	*37	*33	X	
		3 81	71	62	56	48	*40	*35	X	X	X	
	28-45 deg	1 97	97	95	88	82	77	72	66	62	58	
		2 97	86	78	70	62	58	52	45	*39	*35	
		3 90	80	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1 87	79	72	64	59	54	46	*40	*35	X
			2 75	63	57	48	*40	*34	X	X	X	X
			3 64	57	48	*39	*33	X	X	X	X	X
21-27 deg		1 86	79	72	64	59	54	46	*40	*35	X	
		2 75	63	57	48	*40	*34	X	X	X	X	
		3 64	57	48	*39	*33	X	X	X	X	X	
28-45 deg		1 97	89	82	76	69	63	59	54	48	*42	
		2 81	72	62	57	49	*41	*36	X	X	X	
		3 75	63	55	*42	*34	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 80	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1 80	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	28-45 deg	1 90	83	76	69	63	58	52	46	*39	*35	
		2 74	63	57	49	*40	*35	X	X	X	X	
		3 64	56	*43	*34	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1 78	78	78	78	72	65	61	57	51	45
		2 78	78	70	62	57	50	*42	*37	*33	X	
		3 78	71	62	56	48	*40	*35	X	X	X	
	21-27 deg	1 88	88	84	78	72	65	61	57	51	45	
		2 88	80	70	62	57	50	*42	*37	*33	X	
		3 81	71	62	56	48	*40	*35	X	X	X	
	28-45 deg	1 91	91	91	88	82	77	72	66	62	58	
		2 91	86	78	70	62	58	52	45	*39	*35	
		3 90	80	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1 78	78	72	64	59	54	46	*40	*35	X
			2 75	63	57	48	*40	*34	X	X	X	X
			3 64	57	48	*39	*33	X	X	X	X	X
21-27 deg		1 86	79	72	64	59	54	46	*40	*35	X	
		2 75	63	57	48	*40	*34	X	X	X	X	
		3 64	57	48	*39	*33	X	X	X	X	X	
28-45 deg		1 91	89	82	76	69	63	59	54	48	*42	
		2 81	72	62	57	49	*41	*36	X	X	X	
		3 75	63	55	*42	*34	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 78	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1 80	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	28-45 deg	1 90	83	76	69	63	58	52	46	*39	*35	
		2 74	63	57	49	*40	*35	X	X	X	X	
		3 64	56	*43	*34	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1 78	78	78	78	72	65	61	57	51	45
		2 78	78	70	62	57	50	*42	*37	*33	X	
		3 78	71	62	56	48	*40	*35	X	X	X	
	21-27 deg	1 83	83	83	78	72	65	61	57	51	45	
		2 83	80	70	62	57	50	*42	*37	*33	X	
		3 81	71	62	56	48	*40	*35	X	X	X	
	28-45 deg	1 86	86	86	86	82	77	72	66	62	58	
		2 86	86	78	70	62	58	52	45	*39	*35	
		3 86	80	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1 78	78	72	64	59	54	46	*40	*35	X
			2 75	63	57	48	*40	*34	X	X	X	X
			3 64	57	48	*39	*33	X	X	X	X	X
21-27 deg		1 83	79	72	64	59	54	46	*40	*35	X	
		2 75	63	57	48	*40	*34	X	X	X	X	
		3 64	57	48	*39	*33	X	X	X	X	X	
28-45 deg		1 86	86	82	76	69	63	59	54	48	*42	
		2 81	72	62	57	49	*41	*36	X	X	X	
		3 75	63	55	*42	*34	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 78	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1 80	73	65	59	52	45	*38	*33	X	X	
		2 64	58	49	*40	*34	X	X	X	X	X	
		3 59	49	*39	*33	X	X	X	X	X	X	
	28-45 deg	1 87	83	76	69	63	58	52	46	*39	*35	
		2 74	63	57	49	*40	*35	X	X	X	X	
		3 64	56	*43	*34	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	73	73	73	73	72	65	61	57	51	45
		2	73	73	70	62	57	50	*42	*37	*33	X	
		3	73	71	62	56	48	*40	*35	X	X	X	
		21-27 deg	1	78	78	78	78	72	65	61	57	51	45
		2	78	78	70	62	57	50	*42	*37	*33	X	
		3	78	71	62	56	48	*40	*35	X	X	X	
		28-45 deg	1	82	82	82	82	82	77	72	66	62	58
		2	82	82	78	70	62	58	52	45	*39	*35	
		3	82	80	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1	73	73	72	64	59	54	46	*40	*35	X
		2	73	63	57	48	*40	*34	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	
		21-27 deg	1	78	78	72	64	59	54	46	*40	*35	X
		2	75	63	57	48	*40	*34	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	
		28-45 deg	1	82	82	82	76	69	63	59	54	48	*42
		2	81	72	62	57	49	*41	*36	X	X	X	
		3	75	63	55	*42	*34	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	75	73	65	59	52	45	*38	*33	X	X
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
		21-27 deg	1	80	73	65	59	52	45	*38	*33	X	X
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
28-45 deg		1	83	83	76	69	63	58	52	46	*39	*35	
2		74	63	57	49	*40	*35	X	X	X	X		
3		64	56	*43	*34	X	X	X	X	X	X		
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	67	67	67	67	65	61	57	51	45	
		2	67	67	67	62	57	50	*42	*37	*33	X	
		3	67	67	62	56	48	*40	*35	X	X	X	
		21-27 deg	1	75	75	75	75	72	65	61	57	51	45
		2	75	75	70	62	57	50	*42	*37	*33	X	
		3	75	71	62	56	48	*40	*35	X	X	X	
		28-45 deg	1	78	78	78	78	78	77	72	66	62	58
		2	78	78	78	78	78	78	77	72	66	62	58
		3	78	78	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1	67	67	67	64	59	54	46	*40	*35	X
		2	67	63	57	48	*40	*34	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	
		21-27 deg	1	75	75	72	64	59	54	46	*40	*35	X
		2	75	63	57	48	*40	*34	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	
		28-45 deg	1	78	78	78	76	69	63	59	54	48	*42
		2	78	72	62	57	49	*41	*36	X	X	X	
		3	75	63	55	*42	*34	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	70	70	65	59	52	45	*38	*33	X	X
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
		21-27 deg	1	76	73	65	59	52	45	*38	*33	X	X
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
28-45 deg		1	80	80	76	69	63	58	52	46	*39	*35	
2		74	63	57	49	*40	*35	X	X	X	X		
3		64	56	*43	*34	X	X	X	X	X	X		
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*90	*90	*90	*90	*90	*82	*64	*56	*50	*44
		2	*90	*90	*90	*90	*57	*49	*42	*37	*33	X	
		3	*90	*90	*86	*56	*47	*40	*35	X	X	X	
		21-27 deg	1	*78	*78	*78	*78	*78	*78	*64	*56	*50	*44
		2	*78	*78	*78	*78	*57	*49	*42	*37	*33	X	
		3	*78	*78	*78	*56	*47	*40	*35	X	X	X	
		28-45 deg	1	*77	*77	*77	*77	*77	*77	*77	*77	*67	*59
		2	*77	*77	*77	*77	*77	*58	*51	*44	*39	*35	
		3	*77	*77	*77	*77	*54	*44	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1	*90	*90	*90	*78	*61	*52	*45	*40	*35	X
		2	*90	*90	*57	*47	*39	*33	X	X	X	X	
		3	*90	*57	*47	*39	*33	X	X	X	X	X	
		21-27 deg	1	*78	*78	*78	*78	*61	*52	*45	*40	*35	X
		2	*78	*78	*78	*57	*47	*40	*34	X	X	X	
		3	*78	*57	*47	*39	*33	X	X	X	X	X	
		28-45 deg	1	*77	*77	*77	*77	*77	*73	*61	*53	*47	*42
		2	*77	*77	*77	*77	*57	*48	*41	*36	X	X	
		3	*77	*77	*53	*42	*34	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	65	65	65	59	52	45	*38	*33	X	X
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
		21-27 deg	1	*85	*85	*79	*60	*51	*44	*38	*33	X	X
		2	*85	*58	*48	*40	*34	X	X	X	X	X	
		3	*60	*48	*39	*33	X	X	X	X	X	X	
28-45 deg		1	*84	*84	*84	*84	*71	*59	*51	*45	*39	*35	
2		*84	*84	*57	*48	*40	*35	X	X	X	X		
3		*84	*55	*43	*34	X	X	X	X	X	X		

88 or 120"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*78	*78	*78	*78	*78	*78	*64	*56	*50	*44
		2	*78	*78	*78	*78	*57	*49	*42	*37	*33	X	
		3	*78	*78	*78	*56	*47	*40	*35	X	X	X	
	21-27 deg	1	*67	*67	*67	*67	*67	*67	*64	*56	*50	*44	
		2	*67	*67	*67	*67	*57	*49	*42	*37	*33	X	
		3	*67	*67	*67	*56	*47	*40	*35	X	X	X	
	28-45 deg	1	*67	*67	*67	*67	*67	*67	*67	*67	*67	*59	
		2	*67	*67	*67	*67	*67	*58	*51	*44	*39	*35	
		3	*67	*67	*67	*67	*54	*44	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1	*78	*78	*78	*78	*61	*52	*45	*40	*35	X
		2	*78	*78	*57	*47	*40	*34	X	X	X	X	
		3	*78	*57	*47	*39	*33	X	X	X	X	X	
21-27 deg	1	*67	*67	*67	*67	*61	*52	*45	*40	*35	X		
	2	*67	*67	*57	*47	*40	*34	X	X	X	X		
	3	*67	*57	*47	*39	*33	X	X	X	X	X		
28-45 deg	1	*67	*67	*67	*67	*67	*67	*61	*53	*47	*42		
	2	*67	*67	*67	*67	*48	*41	*36	X	X	X		
	3	*67	*67	*53	*42	*34	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*86	*86	*79	*60	*51	*44	*38	*33	X	X	
	2	*86	*58	*48	*40	*34	X	X	X	X	X		
	3	*60	*48	*39	*33	X	X	X	X	X	X		
21-27 deg	1	*74	*74	*74	*60	*51	*44	*38	*33	X	X		
	2	*74	*58	*48	*40	*34	X	X	X	X	X		
	3	*60	*48	*39	*33	X	X	X	X	X	X		
28-45 deg	1	*73	*73	*73	*73	*71	*59	*51	*45	*39	*35		
	2	*73	*73	*57	*48	*40	*35	X	X	X	X		
	3	*73	*55	*43	*34	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	87	87	83	77	71	65	60	56	*48	*43	
		2	87	79	69	61	56	*48	*41	X	X	X	X	
		3	80	69	61	56	*46	*39	X	X	X	X	X	
	21-27 deg	1	95	91	83	77	71	65	60	56	*48	*43	X	
		2	88	79	69	61	56	*48	*41	X	X	X	X	
		3	80	69	61	56	*46	*39	X	X	X	X	X	
	28-45 deg	1	97	97	94	87	81	76	71	65	61	57	X	
		2	96	85	78	69	62	57	*50	*43	*38	X	X	
		3	89	79	69	61	*52	*43	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	86	78	71	64	58	52	*44	*39	X	X	X
			2	73	62	56	*46	*39	X	X	X	X	X	X
			3	63	57	*46	*38	X	X	X	X	X	X	X
21-27 deg		1	86	78	71	64	58	52	*44	*39	X	X	X	
		2	73	62	56	*46	*39	X	X	X	X	X	X	
		3	63	57	*46	*38	X	X	X	X	X	X	X	
28-45 deg		1	97	88	81	75	68	63	58	53	*46	*41	X	
		2	80	70	62	56	*47	*40	X	X	X	X	X	
		3	74	62	*52	*41	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	80	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1	80	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1	89	82	76	68	62	57	*50	*44	*38	X	X	
		2	73	62	57	*47	*39	X	X	X	X	X	X	
		3	63	*54	*42	X	X	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	77	77	77	77	71	65	60	56	*48	*43	
		2	77	77	69	61	56	*48	*41	X	X	X	X	
		3	77	69	61	56	*46	*39	X	X	X	X	X	
	21-27 deg	1	87	87	83	77	71	65	60	56	*48	*43	X	
		2	87	79	69	61	56	*48	*41	X	X	X	X	
		3	80	69	61	56	*46	*39	X	X	X	X	X	
	28-45 deg	1	90	90	87	81	76	71	65	61	57	X	X	
		2	90	85	78	69	62	57	*50	*43	*38	X	X	
		3	89	79	69	61	*52	*43	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	77	77	71	64	58	52	*44	*39	X	X	X
			2	73	62	56	*46	*39	X	X	X	X	X	X
			3	63	57	*46	*38	X	X	X	X	X	X	X
21-27 deg		1	86	78	71	64	58	52	*44	*39	X	X	X	
		2	73	62	56	*46	*39	X	X	X	X	X	X	
		3	63	57	*46	*38	X	X	X	X	X	X	X	
28-45 deg		1	90	88	81	75	68	63	58	53	*46	*41	X	
		2	80	70	62	56	*47	*40	X	X	X	X	X	
		3	74	62	*52	*41	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	77	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1	80	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1	89	82	76	68	62	57	*50	*44	*38	X	X	
		2	73	62	57	*47	*39	X	X	X	X	X	X	
		3	63	*54	*42	X	X	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	77	77	77	77	71	65	60	56	*48	*43	
		2	77	77	69	61	56	*48	*41	X	X	X	X	
		3	77	69	61	56	*46	*39	X	X	X	X	X	
	21-27 deg	1	82	82	82	77	71	65	60	56	*48	*43	X	
		2	82	79	69	61	56	*48	*41	X	X	X	X	
		3	80	69	61	56	*46	*39	X	X	X	X	X	
	28-45 deg	1	85	85	85	85	81	76	71	65	61	57	X	
		2	85	85	78	69	62	57	*50	*43	*38	X	X	
		3	85	79	69	61	*52	*43	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	77	77	71	64	58	52	*44	*39	X	X	X
			2	73	62	56	*46	*39	X	X	X	X	X	X
			3	63	57	*46	*38	X	X	X	X	X	X	X
21-27 deg		1	82	78	71	64	58	52	*44	*39	X	X	X	
		2	73	62	56	*46	*39	X	X	X	X	X	X	
		3	63	57	*46	*38	X	X	X	X	X	X	X	
28-45 deg		1	85	85	81	75	68	63	58	53	*46	*41	X	
		2	80	70	62	56	*47	*40	X	X	X	X	X	
		3	74	62	*52	*41	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	77	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1	80	72	64	58	*50	*43	X	X	X	X	X	
		2	64	57	*46	*39	X	X	X	X	X	X	X	
		3	58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1	86	82	76	68	62	57	*50	*44	*38	X	X	
		2	73	62	57	*47	*39	X	X	X	X	X	X	
		3	63	*54	*42	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 73	73	73	73	71	65	60	56	*48	*43	
		2 73	73	69	61	56	*48	*41	X	X	X	X	
		3 73	69	61	56	*46	*39	X	X	X	X	X	
	21-27 deg	1 78	78	78	77	71	65	60	56	*48	*43	*43	
		2 78	78	69	61	56	*48	*41	X	X	X	X	
		3 78	69	61	56	*46	*39	X	X	X	X	X	
	28-45 deg	1 *107	*107	*107	*107	*107	*107	*107	*107	*80	*65	*58	
		2 *107	*107	*107	*107	*73	*57	*50	*43	*38	X	X	
		3 *107	*107	*107	*107	*107	*52	*43	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 73	73	71	64	58	52	*44	*39	X	X	X
			2 73	62	56	*46	*39	X	X	X	X	X	X
			3 63	57	*46	*38	X	X	X	X	X	X	X
21-27 deg		1 78	78	71	64	58	52	*44	*39	X	X	X	
		2 73	62	56	*46	*39	X	X	X	X	X	X	
		3 63	57	*46	*38	X	X	X	X	X	X	X	
28-45 deg		1 *107	*107	*107	*107	*97	*71	*59	*52	*46	*41	*41	
		2 *107	*107	*72	*55	*47	*40	X	X	X	X	X	
		3 *107	*107	*52	*41	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 75	72	64	58	*50	*43	X	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1 79	72	64	58	*50	*43	X	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1 83	82	76	68	62	57	*50	*44	*38	X	X	
		2 73	62	57	*47	*39	X	X	X	X	X	X	
		3 63	*54	*42	X	X	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 *103	*103	*103	*103	*103	*79	*63	*55	*48	*43	
		2 *103	*103	*103	*69	*56	*48	*41	X	X	X	X	
		3 *103	*103	*65	*54	*46	*39	X	X	X	X	X	
	21-27 deg	1 *89	*89	*89	*89	*89	*79	*63	*55	*48	*43	*43	
		2 *89	*89	*89	*69	*56	*48	*41	X	X	X	X	
		3 *89	*89	*65	*54	*46	*39	X	X	X	X	X	
	28-45 deg	1 *88	*88	*88	*88	*88	*88	*88	*88	*80	*65	*58	
		2 *88	*88	*88	*88	*73	*57	*43	*38	X	X	X	
		3 *88	*88	*88	*88	*52	*43	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 *103	*103	*103	*75	*60	*51	*44	*39	X	X	X
			2 *103	*103	*55	*46	*39	X	X	X	X	X	X
			3 *103	*56	*46	*38	X	X	X	X	X	X	X
21-27 deg		1 *89	*89	*89	*75	*60	*51	*44	*39	X	X	X	
		2 *89	*89	*55	*46	*39	X	X	X	X	X	X	
		3 *89	*56	*46	*38	X	X	X	X	X	X	X	
28-45 deg		1 *88	*88	*88	*88	*88	*71	*59	*52	*46	*41	*41	
		2 *88	*88	*72	*55	*47	*40	X	X	X	X	X	
		3 *88	*88	*52	*41	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 70	70	64	58	*50	*43	X	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1 *98	*98	*76	*59	*50	*43	X	X	X	X	X	
		2 *98	*57	*46	*39	X	X	X	X	X	X	X	
		3 *58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1 *97	*97	*97	*92	*68	*57	*50	*44	*38	X	X	
		2 *97	*86	*56	*47	*39	X	X	X	X	X	X	
		3 *97	*54	*42	X	X	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1 *88	*88	*88	*88	*88	*79	*63	*55	*48	*43	
		2 *88	*88	*88	*69	*56	*48	*41	X	X	X	X	
		3 *88	*88	*65	*54	*46	*39	X	X	X	X	X	
	21-27 deg	1 X	X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1 X	X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 *88	*88	*88	*75	*60	*51	*44	*39	X	X	X
			2 *88	*88	*55	*46	*39	X	X	X	X	X	X
			3 *88	*56	*46	*38	X	X	X	X	X	X	X
21-27 deg		1 X	X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1 X	X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 *97	*97	*76	*59	*50	*43	X	X	X	X	X	
		2 *97	*57	*46	*39	X	X	X	X	X	X	X	
		3 *58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1 *83	*83	*76	*59	*50	*43	X	X	X	X	X	
		2 *83	*57	*46	*39	X	X	X	X	X	X	X	
		3 *58	*47	*38	X	X	X	X	X	X	X	X	
	28-45 deg	1 *82	*82	*82	*82	*68	*57	*50	*44	*38	71 Or 120"	X	
		2 *82	*82	*56	*47	*39	X	X	X	X	X	X	
		3 *82	*54	*42	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	*84	*84	*76	*59	*50	*43	X	X	X	X	X	
		2	*84	*57	*46	*39	X	X	X	X	X	X	X	
		3	*58	*47	*38	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	88	88	84	78	72	65	61	57	51	45	
		2	88	80	70	62	57	50	*42	*37	*33	X	X	
		3	81	71	62	56	48	*40	*35	X	X	X	X	
	21-27 deg	1	95	91	84	78	72	65	61	57	51	45	45	
		2	89	80	70	62	57	50	*42	*37	*33	X	X	
		3	81	71	62	56	48	*40	*35	X	X	X	X	
	28-45 deg	1	97	97	95	88	82	77	72	66	62	58	58	
		2	97	86	78	70	62	58	52	45	*39	*35	X	
		3	90	80	71	61	55	45	*37	*31	X	X	X	
	Snow 11-20 PSF	Exposure Category C	9.5-20 deg	1	87	79	72	64	59	54	46	*40	*35	X
			2	75	63	57	48	*40	*34	X	X	X	X	X
			3	64	57	48	*39	*33	X	X	X	X	X	X
21-27 deg		1	86	79	72	64	59	54	46	*40	*35	X	X	
		2	75	63	57	48	*40	*34	X	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	X	
28-45 deg		1	97	89	82	76	69	63	59	54	48	*42	X	
		2	81	72	62	57	49	*41	*36	X	X	X	X	
		3	75	63	55	*42	*34	X	X	X	X	X	X	
Snow 21-30 PSF		Exposure Category D	9.5-20 deg	1	80	73	65	59	52	45	*38	*33	X	X
			2	64	58	49	*40	*34	X	X	X	X	X	X
			3	59	49	*39	*33	X	X	X	X	X	X	X
	21-27 deg	1	80	73	65	59	52	45	*38	*33	X	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	X	
	28-45 deg	1	90	83	76	69	63	58	52	46	*39	*35	X	
		2	74	63	57	49	*40	*35	X	X	X	X	X	
		3	64	56	*43	*34	X	X	X	X	X	X	X	
	Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	78	78	78	78	72	65	61	57	51	45
			2	78	78	70	62	57	50	*42	*37	*33	X	X
			3	78	71	62	56	48	*40	*35	X	X	X	X
21-27 deg		1	88	88	84	78	72	65	61	57	51	45	45	
		2	88	80	70	62	57	50	*42	*37	*33	X	X	
		3	81	71	62	56	48	*40	*35	X	X	X	X	
28-45 deg		1	91	91	91	88	82	77	72	66	62	58	58	
		2	91	86	78	70	62	58	52	45	*39	*35	X	
		3	90	80	71	61	55	45	*37	*31	X	X	X	
Snow 11-20 PSF		Exposure Category C	9.5-20 deg	1	78	78	72	64	59	54	46	*40	*35	X
			2	75	63	57	48	*40	*34	X	X	X	X	X
			3	64	57	48	*39	*33	X	X	X	X	X	X
	21-27 deg	1	86	79	72	64	59	54	46	*40	*35	X	X	
		2	75	63	57	48	*40	*34	X	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	X	
	28-45 deg	1	91	89	82	76	69	63	59	54	48	*42	X	
		2	81	72	62	57	49	*41	*36	X	X	X	X	
		3	75	63	55	*42	*34	X	X	X	X	X	X	
	Snow 21-30 PSF	Exposure Category D	9.5-20 deg	1	78	73	65	59	52	45	*38	*33	X	X
			2	64	58	49	*40	*34	X	X	X	X	X	X
			3	59	49	*39	*33	X	X	X	X	X	X	X
21-27 deg		1	80	73	65	59	52	45	*38	*33	X	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	X	
28-45 deg		1	90	83	76	69	63	58	52	46	*39	*35	X	
		2	74	63	57	49	*40	*35	X	X	X	X	X	
		3	64	56	*43	*34	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	73	73	73	73	72	65	61	57	51	45
		2	73	73	70	62	57	50	*42	*37	*33	X	
		3	73	71	62	56	48	*40	*35	X	X	X	
	21-27 deg	1	78	78	78	78	72	65	61	57	51	45	
		2	78	78	70	62	57	50	*42	*37	*33	X	
		3	78	71	62	56	48	*40	*35	X	X	X	
	28-45 deg	1	82	82	82	82	82	77	72	66	62	58	
		2	82	82	78	70	62	58	52	45	*39	*35	
		3	82	80	71	61	55	45	*37	*31	X	X	
	Exposure Category C	9.5-20 deg	1	73	73	72	64	59	54	46	*40	*35	X
			2	73	63	57	48	*40	*34	X	X	X	X
			3	64	57	48	*39	*33	X	X	X	X	X
21-27 deg		1	78	78	72	64	59	54	46	*40	*35	X	
		2	75	63	57	48	*40	*34	X	X	X	X	
		3	64	57	48	*39	*33	X	X	X	X	X	
28-45 deg		1	82	82	82	76	69	63	59	54	48	*42	
		2	81	72	62	57	49	*41	*36	X	X	X	
		3	75	63	55	*42	*34	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	75	73	65	59	52	45	*38	*33	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1	80	73	65	59	52	45	*38	*33	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
	28-45 deg	1	83	83	76	69	63	58	52	46	*39	*35	
		2	74	63	57	49	*40	*35	X	X	X	X	
		3	64	56	*43	*34	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	67	67	67	67	67	65	61	57	51	45
		2	67	67	67	62	57	50	*42	*37	*33	X	
		3	67	67	62	56	48	*40	*35	X	X	X	
	21-27 deg	1	*88	*88	*88	*88	*88	*88	*82	*64	*56	*50	*44
		2	*88	*88	*88	*88	*88	*57	*42	*49	*37	*33	X
		3	*88	*88	*88	*56	*47	*40	*35	X	X	X	X
	28-45 deg	1	*88	*88	*88	*88	*88	*88	*88	*84	*67	*59	*51
		2	*88	*88	*88	*88	*88	*88	*58	*44	*39	*35	*35
		3	*88	*88	*88	*88	*54	*44	*37	*31	X	X	X
	Exposure Category C	9.5-20 deg	1	67	67	67	64	59	54	46	*40	*35	X
			2	67	63	57	48	*40	*34	X	X	X	X
			3	64	57	48	*39	*33	X	X	X	X	X
21-27 deg		1	*88	*88	*88	*78	*61	*52	*45	*40	*35	X	
		2	*88	*88	*57	*47	*40	*34	X	X	X	X	
		3	*88	*57	*47	*39	*33	X	X	X	X	X	
28-45 deg		1	*88	*88	*88	*88	*88	*73	*61	*53	*47	*42	
		2	*88	*88	*85	*57	*48	*41	*36	X	X	X	
		3	*88	*88	*53	*42	*34	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	70	70	65	59	52	45	*38	*33	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1	76	73	65	59	52	45	*38	*33	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
	28-45 deg	1	80	80	76	69	63	58	52	46	*39	*35	
		2	74	63	57	49	*40	*35	X	X	X	X	
		3	64	56	*43	*34	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*87	*87	*87	*87	*87	*82	*64	*56	*50	*44
		2	*87	*87	*87	*87	*87	*57	*49	*42	*37	*33	X
		3	*87	*87	*86	*56	*40	*35	*40	*35	X	X	X
	21-27 deg	1	*78	*78	*78	*78	*78	*78	*78	*64	*56	*50	*44
		2	*78	*78	*78	*78	*78	*57	*49	*42	*37	*33	X
		3	*78	*78	*78	*56	*47	*40	*35	X	X	X	X
	28-45 deg	1	*77	*77	*77	*77	*77	*77	*77	*77	*67	*59	*51
		2	*77	*77	*77	*77	*77	*77	*58	*51	*44	*39	*35
		3	*77	*77	*77	*77	*54	*44	*37	*31	X	X	X
	Exposure Category C	9.5-20 deg	1	*87	*87	*87	*78	*61	*52	*45	*40	*35	X
			2	*87	*87	*57	*47	*40	*34	X	X	X	X
			3	*87	*57	*47	*39	*33	X	X	X	X	X
21-27 deg		1	*78	*78	*78	*78	*61	*52	*45	*40	*35	X	
		2	*78	*78	*57	*47	*40	*34	X	X	X	X	
		3	*78	*57	*47	*39	*33	X	X	X	X	X	
28-45 deg		1	*77	*77	*77	*77	*77	*73	*61	*53	*47	*42	
		2	*77	*77	*77	*77	*77	*48	*41	*36	X	X	X
		3	*77	*77	*53	*42	*34	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	65	65	65	59	52	45	*38	*33	X	X	
		2	64	58	49	*40	*34	X	X	X	X	X	
		3	59	49	*39	*33	X	X	X	X	X	X	
	21-27 deg	1	*84	*84	*79	*60	*51	*44	*38	*33	X	X	
		2	*84	*58	*48	*40	*34	X	X	X	X	X	
		3	*60	*48	*39	*33	X	X	X	X	X	X	
	28-45 deg	1	*83	*83	*83	*71	*59	*51	*45	*39	*33	X	
		2	*83	*83	*57	*48	*40	*35	X	X	X	X	
		3	*83	*55	*43	*34	X	X	X	X	X	X	

74 or 120"

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*78	*78	*78	*78	*78	*78	*64	*56	*50	*44
			2	*78	*78	*78	*78	*57	*49	*42	*37	*33	X
			3	*78	*78	*78	*56	*47	*40	*35	X	X	X
		21-27 deg	1	*67	*67	*67	*67	*67	*67	*64	*56	*50	*44
			2	*67	*67	*67	*67	*57	*49	*42	*37	*33	X
			3	*67	*67	*67	*56	*47	*40	*35	X	X	X
		28-45 deg	1	*67	*67	*67	*67	*67	*67	*67	*67	*67	*59
			2	*67	*67	*67	*67	*67	*58	*51	*44	*39	*35
			3	*67	*67	*67	*67	*54	*44	*37	*31	X	X
	Exposure Category C	9.5-20 deg	1	*78	*78	*78	*78	*61	*52	*45	*40	*35	X
			2	*78	*78	*57	*47	*40	*34	X	X	X	X
			3	*78	*57	*47	*39	*33	X	X	X	X	X
		21-27 deg	1	*67	*67	*67	*67	*61	*52	*45	*40	*35	X
			2	*67	*67	*57	*47	*40	*34	X	X	X	X
			3	*67	*57	*47	*39	*33	X	X	X	X	X
		28-45 deg	1	*67	*67	*67	*67	*67	*67	*61	*53	*47	*42
			2	*67	*67	*67	*67	*48	*41	*36	X	X	X
			3	*67	*67	*53	*42	*34	X	X	X	X	X
	Exposure Category D	9.5-20 deg	1	*85	*85	*79	*60	*51	*44	*38	*33	X	X
			2	*85	*58	*48	*40	*34	X	X	X	X	X
			3	*60	*48	*39	*33	X	X	X	X	X	X
		21-27 deg	1	*74	*74	*74	*60	*51	*44	*38	*33	X	X
			2	*74	*58	*48	*40	*34	X	X	X	X	X
			3	*60	*48	*39	*33	X	X	X	X	X	X
		28-45 deg	1	*73	*73	*73	*73	*71	*59	*51	*45	*39	*35
			2	*73	*73	*57	*48	*40	*35	X	X	X	X
			3	*73	*55	*43	*34	X	X	X	X	X	X

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 87	87	83	77	71	65	60	56	*48	*43
		2 87	79	69	61	56	*48	*41	X	X	X	
		3 80	69	61	56	*46	*39	X	X	X	X	
	21-27 deg	1 95	91	83	77	71	65	60	56	*48	*43	
		2 88	79	69	61	56	*48	*41	X	X	X	
		3 80	69	61	56	*46	*39	X	X	X	X	
	28-45 deg	1 97	97	94	87	81	76	71	65	61	57	
		2 96	85	78	69	62	57	*50	*43	*38	X	
		3 89	79	69	61	*52	*43	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 86	78	71	64	58	52	*44	*39	X	X
			2 73	62	56	*46	*39	X	X	X	X	X
			3 63	57	*46	*38	X	X	X	X	X	X
21-27 deg		1 86	78	71	64	58	52	*44	*39	X	X	
		2 73	62	56	*46	*39	X	X	X	X	X	
		3 63	57	*46	*38	X	X	X	X	X	X	
28-45 deg		1 97	88	81	75	68	63	58	53	*46	*41	
		2 80	70	62	56	*47	*40	X	X	X	X	
		3 74	62	*52	*41	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 80	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	21-27 deg	1 80	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	28-45 deg	1 89	82	76	68	62	57	*50	*44	*38	X	
		2 73	62	57	*47	*39	X	X	X	X	X	
		3 63	*54	*42	X	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1 77	77	77	77	71	65	60	56	*48	*43
		2 77	77	69	61	56	*48	*41	X	X	X	
		3 77	69	61	56	*46	*39	X	X	X	X	
	21-27 deg	1 87	87	83	77	71	65	60	56	*48	*43	
		2 87	79	69	61	56	*48	*41	X	X	X	
		3 80	69	61	56	*46	*39	X	X	X	X	
	28-45 deg	1 90	90	90	87	81	76	71	65	61	57	
		2 90	85	78	69	62	57	*50	*43	*38	X	
		3 89	79	69	61	*52	*43	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 77	77	71	64	58	52	*44	*39	X	X
			2 73	62	56	*46	*39	X	X	X	X	X
			3 63	57	*46	*38	X	X	X	X	X	X
21-27 deg		1 86	78	71	64	58	52	*44	*39	X	X	
		2 73	62	56	*46	*39	X	X	X	X	X	
		3 63	57	*46	*38	X	X	X	X	X	X	
28-45 deg		1 90	88	81	75	68	63	58	53	*46	*41	
		2 80	70	62	56	*47	*40	X	X	X	X	
		3 74	62	*52	*41	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 77	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	21-27 deg	1 80	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	28-45 deg	1 89	82	76	68	62	57	*50	*44	*38	X	
		2 73	62	57	*47	*39	X	X	X	X	X	
		3 63	*54	*42	X	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1 77	77	77	77	71	65	60	56	*48	*43
		2 77	77	69	61	56	*48	*41	X	X	X	
		3 77	69	61	56	*46	*39	X	X	X	X	
	21-27 deg	1 82	82	82	77	71	65	60	56	*48	*43	
		2 82	79	69	61	56	*48	*41	X	X	X	
		3 80	69	61	56	*46	*39	X	X	X	X	
	28-45 deg	1 85	85	85	85	81	76	71	65	61	57	
		2 85	85	78	69	62	57	*50	*43	*38	X	
		3 85	79	69	61	*52	*43	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 77	77	71	64	58	52	*44	*39	X	X
			2 73	62	56	*46	*39	X	X	X	X	X
			3 63	57	*46	*38	X	X	X	X	X	X
21-27 deg		1 82	78	71	64	58	52	*44	*39	X	X	
		2 73	62	56	*46	*39	X	X	X	X	X	
		3 63	57	*46	*38	X	X	X	X	X	X	
28-45 deg		1 85	85	81	75	68	63	58	53	*46	*41	
		2 80	70	62	56	*47	*40	X	X	X	X	
		3 74	62	*52	*41	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 77	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	21-27 deg	1 80	72	64	58	*50	*43	X	X	X	X	
		2 64	57	*46	*39	X	X	X	X	X	X	
		3 58	*47	*38	X	X	X	X	X	X	X	
	28-45 deg	1 86	82	76	68	62	57	*50	*44	*38	X	
		2 73	62	57	*47	*39	X	X	X	X	X	
		3 63	*54	*42	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 73	73	73	73	71	65	60	56	*48	*43
		2 73	73	69	61	56	*48	*41	X	X	X	
		3 73	69	61	56	*46	*39	X	X	X	X	
	21-27 deg	1 *99	*99	*99	*99	*99	*99	*99	*63	*55	*48	*43
		2 *99	*99	*99	*69	*56	*48	*41	X	X	X	
		3 *99	*99	*65	*54	*46	*39	X	X	X	X	
	28-45 deg	1 *98	*98	*98	*98	*98	*98	*98	*98	*80	*65	*58
		2 *98	*98	*98	*98	*98	*73	*57	*50	*43	*38	X
		3 *98	*98	*98	*98	*98	*52	*43	X	X	X	X
	Exposure Category C	9.5-20 deg	1 73	73	71	64	58	52	*44	*39	X	X
			2 73	62	56	*46	*39	X	X	X	X	X
			3 63	57	*46	*38	X	X	X	X	X	X
21-27 deg		1 *99	*99	*99	*75	*60	*51	*44	*39	X	X	
		2 *99	*99	*55	*46	*39	X	X	X	X	X	
		3 *99	*56	*46	*38	X	X	X	X	X	X	
28-45 deg		1 *98	*98	*98	*98	*97	*71	*59	*52	*46	*41	
		2 *98	*98	*72	*55	*47	*40	X	X	X	X	
		3 *98	*98	*52	*41	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 75	72	64	58	*50	*43	X	X	X		
		2 64	57	*46	*39	X	X	X	X	X		
		3 58	*47	*38	X	X	X	X	X	X		
	21-27 deg	1 *105	*105	*105	*59	*50	*43	X	X	X		
		2 *105	*57	*46	*39	X	X	X	X	X		
		3 *58	*47	*38	X	X	X	X	X	X		
	28-45 deg	1 *105	*105	*105	*92	*68	*57	*50	*44	*38		
		2 *105	*86	*56	*47	*39	X	X	X	X		
		3 *105	*54	*42	X	X	X	X	X	X		
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 *96	*96	*96	*96	*96	*79	*63	*55	*48	
		2 *96	*96	*96	*69	*56	*48	*41	X	X		
		3 *96	*96	*65	*54	*46	*39	X	X	X		
	21-27 deg	1 *86	*86	*86	*86	*86	*79	*63	*55	*48		
		2 *86	*86	*86	*69	*56	*48	*41	X	X		
		3 *86	*86	*65	*54	*46	*39	X	X	X		
	28-45 deg	1 *86	*86	*86	*86	*86	*86	*86	*80	*65		
		2 *86	*86	*86	*86	*73	*57	*43	*38	*58		
		3 *86	*86	*86	*86	*52	*43	X	X	X		
	Exposure Category C	9.5-20 deg	1 *96	*96	*96	*75	*60	*51	*44	*39	X	
			2 *96	*96	*55	*46	*39	X	X	X	X	
			3 *96	*56	*46	*38	X	X	X	X	X	
21-27 deg		1 *86	*86	*86	*75	*60	*51	*44	*39	X		
		2 *86	*86	*55	*46	*39	X	X	X	X		
		3 *86	*56	*46	*38	X	X	X	X	X		
28-45 deg		1 *86	*86	*86	*86	*86	*71	*59	*52	*46		
		2 *86	*86	*72	*55	*47	*40	X	X	X		
		3 *86	*86	*52	*41	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1 *103	*103	*76	*59	*50	*43	X	X			
		2 *103	*57	*46	*39	X	X	X	X			
		3 *58	*47	*38	X	X	X	X	X			
	21-27 deg	1 *92	*92	*76	*59	*50	*43	X	X			
		2 *92	*57	*46	*39	X	X	X	X			
		3 *58	*47	*38	X	X	X	X	X			
	28-45 deg	1 *92	*92	*92	*92	*68	*57	*50	*44	*38		
		2 *92	*86	*56	*47	*39	X	X	X			
		3 *92	*54	*42	X	X	X	X	X			
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1 *86	*86	*86	*86	*86	*79	*63	*55	*48	
		2 *86	*86	*86	*69	*56	*48	*41	X	X		
		3 *86	*86	*65	*54	*46	*39	X	X			
	21-27 deg	1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X			
	28-45 deg	1 X	X	X	X	X	X	X	X	X		
		2 X	X	X	X	X	X	X	X	X		
		3 X	X	X	X	X	X	X	X			
	Exposure Category C	9.5-20 deg	1 *86	*86	*86	*75	*60	*51	*44	*39		
			2 *86	*86	*55	*46	*39	X	X	X		
			3 *86	*56	*46	*38	X	X	X	X		
21-27 deg		1 X	X	X	X	X	X	X	X			
		2 X	X	X	X	X	X	X	X			
		3 X	X	X	X	X	X	X	X			
28-45 deg		1 X	X	X	X	X	X	X	X			
		2 X	X	X	X	X	X	X	X			
		3 X	X	X	X	X	X	X	X			
Exposure Category D	9.5-20 deg	1 *92	*92	*76	*59	*50	*43	X	X			
		2 *92	*57	*46	*39	X	X	X	X			
		3 *58	*47	*38	X	X	X	X	X			
	21-27 deg	1 *82	*82	*76	*59	*50	*43	X	X			
		2 *82	*57	*46	*39	X	X	X	X			
		3 *58	*47	*38	X	X	X	X	X			
	28-45 deg	1 *81	*81	*81	*81	*68	*57	*50	*44			
		2 *81	*81	*56	*47	*39	X	X	X			
		3 *81	*54	*42	X	X	X	X	X			

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Rafter Connection Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*83	*83	*76	*59	*50	*43	X	X	X	X		
		2	*83	*57	*46	*39	X	X	X	X	X	X		
		3	*58	*47	*38	X	X	X	X	X	X	X		
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	33	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	39	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	45	42	34	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	36	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	23	23	23	21	17	15	13	11	10	9
			2	23	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	33	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	36	36	34	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	23	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	36	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	23	23	23	21	17	15	13	11	10	9
			2	23	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	27	27	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	31	31	31	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	23	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	31	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	19	19	19	19	17	15	13	11	10	9	
			2	19	19	16	13	11	10	*8	*7	*6	X	
			3	19	16	13	11	9	*8	*7	X	X	X	
		21-27 deg	1	23	23	23	21	17	15	13	11	10	9	
			2	23	20	16	13	11	10	*8	*7	*6	X	
			3	21	16	13	11	9	*8	*7	X	X	X	
		28-45 deg	1	26	26	26	26	24	20	17	15	13	12	
			2	26	24	19	16	14	12	10	9	*7	*7	
			3	21	16	13	11	9	8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	19	19	17	14	12	10	9	*8	*7	X	
			2	17	14	11	9	*8	*6	X	X	X	X	
			3	14	11	9	*7	*6	X	X	X	X	X	
21-27 deg		1	23	21	17	14	12	10	9	*8	*7	X		
		2	17	14	11	9	*8	*6	X	X	X	X		
		3	14	11	9	*7	*6	X	X	X	X	X		
28-45 deg		1	26	26	23	19	16	14	12	10	9	*8		
		2	21	17	14	11	9	*8	*7	X	X	X		
		3	14	11	9	8	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	21	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	28	24	20	16	14	12	10	9	*7	*7		
		2	17	14	11	9	*8	*7	X	X	X	X		
		3	12	9	8	*6	*5	X	X	X	X	X		
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	16	16	16	16	16	15	13	11	10	9	
			2	16	16	16	16	13	11	10	*8	*7	*6	X
			3	16	16	13	11	9	*8	*7	X	X	X	
		21-27 deg	1	20	20	20	20	17	15	13	11	10	9	
			2	20	20	16	13	11	10	*8	*7	*6	X	
			3	20	16	13	11	9	*8	*7	X	X	X	
		28-45 deg	1	23	23	23	23	23	20	17	15	13	12	
			2	23	23	19	16	14	12	10	9	*7	*7	
			3	21	16	13	11	9	8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	16	16	16	14	12	10	9	*8	*7	X	
			2	16	14	11	9	*8	*6	X	X	X	X	
			3	14	11	9	*7	*6	X	X	X	X	X	
21-27 deg		1	20	20	17	14	12	10	9	*8	*7	X		
		2	17	14	11	9	*8	*6	X	X	X	X		
		3	14	11	9	*7	*6	X	X	X	X	X		
28-45 deg		1	23	23	23	19	16	14	12	10	9	*8		
		2	21	17	14	11	9	*8	*7	X	X	X		
		3	14	11	9	8	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	18	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	21	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	25	24	20	16	14	12	10	9	*7	*7		
		2	17	14	11	9	*8	*7	X	X	X	X		
		3	12	9	8	*6	*5	X	X	X	X	X		
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*13	*11	*10	*8	
			2	*14	*14	*14	*13	*11	*9	*8	*7	*6	X	
			3	*14	*14	*13	*11	*9	*8	*7	X	X	X	
		21-27 deg	1	*18	*18	*18	*18	*17	*15	*13	*11	*10	*8	
			2	*18	*18	*16	*13	*11	*9	*8	*7	*6	X	
			3	*18	*16	*13	*11	*9	*8	*7	X	X	X	
		28-45 deg	1	*21	*21	*21	*21	*21	*20	*17	*15	*13	*11	
			2	*21	*21	*19	*16	*13	*11	*10	*8	*7	*7	
			3	*21	*16	*13	*11	*9	*8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	*14	*14	*14	*14	*12	*10	*9	*8	*7	X	
			2	*14	*13	*11	*9	*8	*6	X	X	X	X	
			3	*14	*11	*9	*7	*6	X	X	X	X	X	
21-27 deg		1	*18	*18	*17	*14	*12	*10	*9	*8	*7	X		
		2	*17	*13	*11	*9	*8	*6	X	X	X	X		
		3	*14	*11	*9	*7	*6	X	X	X	X	X		
28-45 deg		1	*21	*21	*21	*19	*16	*14	*12	*10	*9	*8		
		2	*20	*16	*13	*11	*9	*8	*7	X	X	X		
		3	*14	*11	*9	*7	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	15	15	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	*19	*17	*14	*12	*10	*8	*7	*6	X	X		
		2	*14	*11	*9	*8	*6	X	X	X	X	X		
		3	*12	*9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	*22	*22	*19	*16	*13	*11	*10	*9	*7	*7		
		2	*17	*14	*11	*9	*8	*7	X	X	X	X		
		3	*11	*9	*7	*6	*5	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)														
		90	100	110	120	130	140	150	160	170	180					
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*12	*12	*12	*12	*12	*12	*12	*12	*11	*10	*8		
			2	*12	*12	*12	*12	*11	*9	*8	*7	*6	X			
			3	*12	*12	*12	*11	*9	*8	*7	X	X	X			
		21-27 deg	1	*15	*15	*15	*15	*15	*15	*13	*11	*9	*8	*7	*6	X
			2	*15	*15	*15	*13	*11	*9	*8	*7	X	X	X	X	
			3	*15	*15	*13	*11	*9	*8	*7	X	X	X	X		
		28-45 deg	1	*18	*18	*18	*18	*18	*18	*17	*15	*13	*11	*9	*7	
			2	*18	*18	*18	*16	*13	*11	*10	*8	*7	*7	*7	*7	
			3	*18	*16	*13	*11	*9	*8	*7	*6	*5	X	X	X	
	Exposure Category C	9.5-20 deg	1	*12	*12	*12	*12	*12	*10	*9	*8	*7	X	X		
			2	*12	*12	*11	*9	*8	*6	X	X	X	X	X		
			3	*12	*11	*9	*7	*6	X	X	X	X	X	X		
21-27 deg		1	*15	*15	*15	*14	*12	*10	*9	*8	*7	X	X			
		2	*15	*13	*11	*9	*8	*6	X	X	X	X	X			
		3	*14	*11	*9	*7	*6	X	X	X	X	X	X			
28-45 deg		1	*18	*18	*18	*18	*16	*14	*12	*10	*9	*8	*7			
		2	*18	*16	*13	*11	*9	*8	*7	X	X	X	X			
		3	*14	*11	*9	*7	*6	*5	X	X	X	X	X			
Exposure Category D	9.5-20 deg	1	*13	*13	*13	*12	*10	*8	*7	*6	X	X				
		2	*13	*11	*9	*8	*6	X	X	X	X	X				
		3	*12	*9	*7	*6	X	X	X	X	X	X				
	21-27 deg	1	*17	*17	*14	*12	*10	*8	*7	*6	X	X				
		2	*14	*11	*9	*8	*6	X	X	X	X	X				
		3	*12	*9	*7	*6	X	X	X	X	X	X				
	28-45 deg	1	*20	*20	*19	*16	*13	*11	*10	*9	*7	*7				
		2	*17	*14	*11	*9	*8	*7	X	X	X	X				
		3	*11	*9	*7	*6	*5	X	X	X	X	X				

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	27	26	21	17	15	12	11	9	*8	*7	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	21-27 deg	1	33	26	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	28-45 deg	1	38	35	28	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	23	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
21-27 deg		1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
	21-27 deg	1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
	28-45 deg	1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	
	Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	19	19	19	17	15	12	11	9	*8	*7
			2	19	17	13	11	9	*8	*7	*6	X	X	X
			3	17	14	11	9	*7	*6	X	X	X	X	X
21-27 deg		1	28	26	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
28-45 deg		1	30	30	28	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
Exposure Category C		9.5-20 deg	1	19	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
	21-27 deg	1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
	28-45 deg	1	30	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
21-27 deg		1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
28-45 deg		1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	
Snow 21-30 PSF		Exposure Category B	9.5-20 deg	1	19	19	19	17	15	12	11	9	*8	*7
			2	19	17	13	11	9	*8	*7	*6	X	X	X
			3	17	14	11	9	*7	*6	X	X	X	X	X
	21-27 deg	1	23	23	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	28-45 deg	1	25	25	25	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	19	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
21-27 deg		1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
28-45 deg		1	25	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
	21-27 deg	1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
	28-45 deg	1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	16	16	16	16	15	12	11	9	*8	*7	
		2	16	16	13	11	9	*8	*7	*6	X	X	
		3	16	14	11	9	*7	*6	X	X	X	X	
	21-27 deg	1	19	19	19	17	15	12	11	9	*8	*7	
		2	19	17	13	11	9	*8	*7	*6	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	
	28-45 deg	1	*22	*22	*22	*22	*19	*16	*14	*12	*11	*9	
		2	*22	*19	*16	*13	*11	*9	*8	*7	*6	X	
		3	*17	*13	*11	*9	*7	*6	*5	*5	X	X	
	Exposure Category C	9.5-20 deg	1	16	16	15	12	10	9	*7	*6	X	X
			2	14	11	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
21-27 deg		1	19	18	15	12	10	9	*7	*6	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	
28-45 deg		1	*22	*22	*19	*16	*13	*11	*10	*8	*7	*7	
		2	*17	*13	*11	*9	*8	*7	X	X	X	X	
		3	*11	*9	*7	*6	*5	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	17	15	12	10	8	*7	*6	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X
	21-27 deg	1	19	15	12	10	8	*7	*6	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	
	28-45 deg	1	23	20	16	14	11	10	8	*7	*6	X	
		2	14	12	9	*8	*6	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	*13	*13	*13	*13	*13	*12	*10	*9	*8	*7
			2	*13	*13	*13	*11	*9	*8	*7	*6	X	X
			3	*13	*13	*11	*9	*7	*6	X	X	X	X
21-27 deg		1	*17	*17	*17	*17	*14	*12	*10	*9	*8	*7	
		2	*17	*16	*13	*11	*9	*8	*7	*6	X	X	
		3	*17	*13	*11	*9	*7	*6	X	X	X	X	
28-45 deg		1	*19	*19	*19	*19	*19	*16	*14	*12	*11	*9	
		2	*19	*19	*16	*13	*11	*9	*8	*7	*6	X	
		3	*17	*13	*11	*9	*7	*6	*5	*5	X	X	
Exposure Category C		9.5-20 deg	1	*13	*13	*13	*12	*10	*8	*7	*6	X	X
			2	*13	*11	*9	*8	*6	X	X	X	X	X
			3	*12	*9	*7	*6	X	X	X	X	X	X
	21-27 deg	1	*17	*17	*14	*12	*10	*8	*7	*6	X	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*12	*9	*7	*6	X	X	X	X	X	X	
	28-45 deg	1	*19	*19	*19	*16	*13	*11	*10	*8	*7	*7	
		2	*17	*13	*11	*9	*8	*7	X	X	X	X	
		3	*11	*9	*7	*6	*5	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	15	15	12	10	8	*7	*6	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X
21-27 deg		1	*18	*14	*12	*10	*8	*7	*6	X	X	X	
		2	*12	*9	*8	*6	X	X	X	X	X	X	
		3	*10	*8	*6	X	X	X	X	X	X	X	
28-45 deg		1	*20	*20	*16	*13	*11	*9	*8	*7	*6	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*10	*8	*6	*5	X	X	X	X	X	X	
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	*11	*11	*11	*11	*11	*11	*10	*9	*8	*7
			2	*11	*11	*11	*11	*9	*8	*7	*6	X	X
			3	*11	*11	*11	*9	*7	*6	X	X	X	X
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*11	*11	*11	*11	*10	*8	*7	*6	X	X
			2	*11	*11	*9	*8	*6	X	X	X	X	X
			3	*11	*9	*7	*6	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	*13	*13	*12	*10	*8	*7	*6	X	X	X
			2	*12	*9	*8	*6	X	X	X	X	X	X
			3	*10	*8	*6	X	X	X	X	X	X	X
	21-27 deg	1	*16	*14	*12	*10	*8	*7	*6	X	X	X	
		2	*12	*9	*8	*6	X	X	X	X	X	X	
		3	*10	*8	*6	X	X	X	X	X	X	X	
	28-45 deg	1	*18	*18	*16	*13	*11	*9	*8	*7	*6	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*10	*8	*6	*5	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category D	9.5-20 deg	1	*11	*11	*11	*10	*8	*7	*6	X	X	X	X
			2	*11	*9	*8	*6	X	X	X	X	X	X	X
			3	*10	*8	*6	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	33	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	39	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	45	42	34	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	36	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	23	23	23	21	17	15	13	11	10	9
			2	23	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	33	31	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	36	36	34	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	23	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	36	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	23	23	23	21	17	15	13	11	10	9
			2	23	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		21-27 deg	1	27	27	25	21	17	15	13	11	10	9
			2	25	20	16	13	11	10	*8	*7	*6	X
			3	21	16	13	11	9	*8	*7	X	X	X
		28-45 deg	1	31	31	31	28	24	20	17	15	13	12
			2	30	24	19	16	14	12	10	9	*7	*7
			3	21	16	13	11	9	8	*7	*6	*5	X
	Exposure Category C	9.5-20 deg	1	23	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		21-27 deg	1	27	21	17	14	12	10	9	*8	*7	X
			2	17	14	11	9	*8	*6	X	X	X	X
			3	14	11	9	*7	*6	X	X	X	X	X
		28-45 deg	1	31	29	23	19	16	14	12	10	9	*8
			2	21	17	14	11	9	*8	*7	X	X	X
			3	14	11	9	8	*6	*5	X	X	X	X
	Exposure Category D	9.5-20 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
		21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X
			2	14	12	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*7	
		2	17	14	11	9	*8	*7	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	19	19	19	19	17	15	13	11	10	9	
			2	19	19	16	13	11	10	*8	*7	*6	X	
			3	19	16	13	11	9	*8	*7	X	X	X	
		21-27 deg	1	23	23	23	21	17	15	13	11	10	9	
			2	23	20	16	13	11	10	*8	*7	*6	X	
			3	21	16	13	11	9	*8	*7	X	X	X	
		28-45 deg	1	26	26	26	26	24	20	17	15	13	12	
			2	26	24	19	16	14	12	10	9	*7	*7	
			3	21	16	13	11	9	8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	19	19	17	14	12	10	9	*8	*7	X	
			2	17	14	11	9	*8	*6	X	X	X	X	
			3	14	11	9	*7	*6	X	X	X	X	X	
21-27 deg		1	23	21	17	14	12	10	9	*8	*7	X		
		2	17	14	11	9	*8	*6	X	X	X	X		
		3	14	11	9	*7	*6	X	X	X	X	X		
28-45 deg		1	26	26	23	19	16	14	12	10	9	*8		
		2	21	17	14	11	9	*8	*7	X	X	X		
		3	14	11	9	8	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	21	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	22	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	28	24	20	16	14	12	10	9	*7	*7		
		2	17	14	11	9	*8	*7	X	X	X	X		
		3	12	9	8	*6	*5	X	X	X	X	X		
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	16	16	16	16	16	15	13	11	10	9	
			2	16	16	16	16	13	11	10	*8	*7	*6	X
			3	16	16	13	11	9	*8	*7	X	X	X	
		21-27 deg	1	*20	*20	*20	*20	*17	*15	*13	*11	*10	*8	
			2	*20	*19	*16	*13	*11	*9	*8	*7	*6	X	
			3	*20	*16	*13	*11	*9	*8	*7	X	X	X	
		28-45 deg	1	*23	*23	*23	*23	*23	*20	*17	*15	*13	*11	
			2	*23	*23	*19	*16	*13	*11	*10	*8	*7	*7	
			3	*21	*16	*13	*11	*9	*8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	16	16	16	14	12	10	9	*8	*7	X	
			2	16	14	11	9	*8	*6	X	X	X	X	
			3	14	11	9	*7	*6	X	X	X	X	X	
21-27 deg		1	*20	*20	*17	*14	*12	*10	*9	*8	*7	X		
		2	*17	*13	*11	*9	*8	*6	X	X	X	X		
		3	*14	*11	*9	*7	*6	X	X	X	X	X		
28-45 deg		1	*23	*23	*23	*19	*16	*14	*12	*10	*9	*8		
		2	*20	*16	*13	*11	*9	*8	*7	X	X	X		
		3	*14	*11	*9	*7	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	18	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	21	18	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	25	24	20	16	14	12	10	9	*7	*7		
		2	17	14	11	9	*8	*7	X	X	X	X		
		3	12	9	8	*6	*5	X	X	X	X	X		
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*13	*11	*10	*8	
			2	*14	*14	*14	*13	*11	*9	*8	*7	*6	X	
			3	*14	*14	*13	*11	*9	*8	*7	X	X	X	
		21-27 deg	1	*18	*18	*18	*18	*17	*15	*13	*11	*10	*8	
			2	*18	*18	*16	*13	*11	*9	*8	*7	*6	X	
			3	*18	*16	*13	*11	*9	*8	*7	X	X	X	
		28-45 deg	1	*21	*21	*21	*21	*21	*20	*17	*15	*13	*11	
			2	*21	*21	*19	*16	*13	*11	*10	*8	*7	*7	
			3	*21	*16	*13	*11	*9	*8	*7	*6	*5	X	
	Exposure Category C	9.5-20 deg	1	*14	*14	*14	*14	*12	*10	*9	*8	*7	X	
			2	*14	*13	*11	*9	*8	*6	X	X	X	X	
			3	*14	*11	*9	*7	*6	X	X	X	X	X	
21-27 deg		1	*18	*18	*17	*14	*12	*10	*9	*8	*7	X		
		2	*17	*13	*11	*9	*8	*6	X	X	X	X		
		3	*14	*11	*9	*7	*6	X	X	X	X	X		
28-45 deg		1	*21	*21	*21	*19	*16	*14	*12	*10	*9	*8		
		2	*20	*16	*13	*11	*9	*8	*7	X	X	X		
		3	*14	*11	*9	*7	*6	*5	X	X	X	X		
Exposure Category D	9.5-20 deg	1	15	15	15	12	10	9	*7	*6	X	X		
		2	14	12	9	*8	*6	X	X	X	X	X		
		3	12	9	*7	*6	X	X	X	X	X	X		
	21-27 deg	1	*19	*17	*14	*12	*10	*8	*7	*6	X	X		
		2	*14	*11	*9	*8	*6	X	X	X	X	X		
		3	*12	*9	*7	*6	X	X	X	X	X	X		
	28-45 deg	1	*22	*22	*19	*16	*13	*11	*10	*9	*7	*7		
		2	*17	*14	*11	*9	*8	*7	X	X	X	X		
		3	*11	*9	*7	*6	*5	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)														
		90	100	110	120	130	140	150	160	170	180					
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*12	*12	*12	*12	*12	*12	*12	*12	*11	*10	*8		
			2	*12	*12	*12	*12	*11	*9	*8	*7	*6	X			
			3	*12	*12	*12	*11	*9	*8	*7	X	X	X			
		21-27 deg	1	*15	*15	*15	*15	*15	*15	*13	*11	*9	*8	*7	*6	X
			2	*15	*15	*15	*13	*11	*9	*8	*7	X	X	X	X	
			3	*15	*15	*13	*11	*9	*8	*7	X	X	X	X		
		28-45 deg	1	*18	*18	*18	*18	*18	*18	*17	*15	*13	*11	*9	*8	
			2	*18	*18	*18	*16	*13	*11	*10	*8	*7	*7	*7		
			3	*18	*16	*13	*11	*9	*8	*7	*6	*5	X	X		
	Exposure Category C	9.5-20 deg	1	*12	*12	*12	*12	*12	*10	*9	*8	*7	X	X		
			2	*12	*12	*11	*9	*8	*6	X	X	X	X	X		
			3	*12	*11	*9	*7	*6	X	X	X	X	X			
21-27 deg		1	*15	*15	*15	*14	*12	*10	*9	*8	*7	X	X			
		2	*15	*13	*11	*9	*8	*6	X	X	X	X	X			
		3	*14	*11	*9	*7	*6	X	X	X	X	X				
28-45 deg		1	*18	*18	*18	*18	*16	*14	*12	*10	*9	*8	*8			
		2	*18	*16	*13	*11	*9	*8	*7	X	X	X	X			
		3	*14	*11	*9	*7	*6	*5	X	X	X	X				
Exposure Category D	9.5-20 deg	1	*13	*13	*13	*12	*10	*8	*7	*6	X	X				
		2	*13	*11	*9	*8	*6	X	X	X	X	X				
		3	*12	*9	*7	*6	X	X	X	X	X					
	21-27 deg	1	*17	*17	*14	*12	*10	*8	*7	*6	X	X				
		2	*14	*11	*9	*8	*6	X	X	X	X	X				
		3	*12	*9	*7	*6	X	X	X	X	X					
	28-45 deg	1	*20	*20	*19	*16	*13	*11	*10	*9	*7	*7				
		2	*17	*14	*11	*9	*8	*7	X	X	X	X				
		3	*11	*9	*7	*6	*5	X	X	X	X					

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	27	26	21	17	15	12	11	9	*8	*7	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	21-27 deg	1	33	26	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	28-45 deg	1	38	35	28	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	23	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
21-27 deg		1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
28-45 deg		1	30	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
	21-27 deg	1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
	28-45 deg	1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	
	Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	19	19	19	17	15	12	11	9	*8	*7
			2	19	17	13	11	9	*8	*7	*6	X	X	X
			3	17	14	11	9	*7	*6	X	X	X	X	X
21-27 deg		1	28	26	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
28-45 deg		1	30	30	28	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
Exposure Category C		9.5-20 deg	1	19	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
	21-27 deg	1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
	28-45 deg	1	30	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
21-27 deg		1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
28-45 deg		1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	
Snow 21-30 PSF		Exposure Category B	9.5-20 deg	1	19	19	19	17	15	12	11	9	*8	*7
			2	19	17	13	11	9	*8	*7	*6	X	X	X
			3	17	14	11	9	*7	*6	X	X	X	X	X
	21-27 deg	1	23	23	21	17	15	12	11	9	*8	*7	*6	
		2	21	17	13	11	9	*8	*7	*6	X	X	X	
		3	17	14	11	9	*7	*6	X	X	X	X	X	
	28-45 deg	1	25	25	25	23	20	17	14	13	11	10	9	
		2	25	20	16	13	11	10	8	*7	*6	X	X	
		3	18	13	11	9	8	6	*5	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	19	18	15	12	10	9	*7	*6	X	X	X
			2	14	11	9	*8	*6	X	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X	X
21-27 deg		1	23	18	15	12	10	9	*7	*6	X	X	X	
		2	14	11	9	*8	*6	X	X	X	X	X	X	
		3	12	9	*7	*6	X	X	X	X	X	X	X	
28-45 deg		1	25	24	20	16	14	12	10	9	*7	*6	*5	
		2	17	14	11	9	*8	*7	X	X	X	X	X	
		3	12	9	8	*6	*5	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	19	15	12	10	8	*7	*6	X	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X	X
	21-27 deg	1	19	15	12	10	8	*7	*6	X	X	X	X	
		2	12	10	*8	*6	X	X	X	X	X	X	X	
		3	10	*8	*6	X	X	X	X	X	X	X	X	
	28-45 deg	1	25	20	16	14	11	10	8	*7	*6	X	X	
		2	14	12	9	*8	*6	X	X	X	X	X	X	
		3	10	8	*6	*5	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	16	16	16	16	15	12	11	9	*8	*7	
		2	16	16	13	11	9	*8	*7	*6	X	X	
		3	16	14	11	9	*7	*6	X	X	X	X	
	21-27 deg	1	*19	*19	*19	*17	*14	*12	*10	*9	*8	*7	
		2	*19	*16	*13	*11	*9	*7	*6	X	X	X	
		3	*17	*13	*11	*9	*7	*6	X	X	X	X	
	28-45 deg	1	*22	*22	*22	*22	*19	*16	*14	*12	*11	*9	
		2	*22	*19	*16	*13	*11	*9	*8	*7	*6	X	
		3	*17	*13	*11	*9	*7	*6	*5	*5	X	X	
	Exposure Category C	9.5-20 deg	1	16	16	15	12	10	9	*7	*6	X	X
			2	14	11	9	*8	*6	X	X	X	X	X
			3	12	9	*7	*6	X	X	X	X	X	X
21-27 deg		1	*19	*17	*14	*12	*10	*8	*7	*6	X	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*12	*9	*7	*6	X	X	X	X	X	X	
28-45 deg		1	*22	*22	*19	*16	*13	*11	*10	*8	*7	*7	
		2	*17	*13	*11	*9	*8	*7	X	X	X	X	
		3	*11	*9	*7	*6	*5	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	17	15	12	10	8	*7	*6	X	X	X
			2	12	10	*8	*6	X	X	X	X	X	X
			3	10	*8	*6	X	X	X	X	X	X	X
	21-27 deg	1	*18	*14	*12	*10	*8	*7	*6	X	X	X	
		2	*12	*9	*8	*6	X	X	X	X	X	X	
		3	*10	*8	*6	X	X	X	X	X	X	X	
	28-45 deg	1	*23	*20	*16	*13	*11	*9	*8	*7	*6	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*10	*8	*6	*5	X	X	X	X	X	X	
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	*13	*13	*13	*13	*13	*12	*10	*9	*8	*7
			2	*13	*13	*13	*11	*9	*8	*7	*6	X	X
			3	*13	*13	*11	*9	*7	*6	X	X	X	X
21-27 deg		1	*17	*17	*17	*17	*14	*12	*10	*9	*8	*7	
		2	*17	*16	*13	*11	*9	*8	*7	*6	X	X	
		3	*17	*13	*11	*9	*7	*6	X	X	X	X	
28-45 deg		1	*19	*19	*19	*19	*19	*16	*14	*12	*11	*9	
		2	*19	*19	*16	*13	*11	*9	*8	*7	*6	X	
		3	*17	*13	*11	*9	*7	*6	*5	*5	X	X	
Exposure Category C		9.5-20 deg	1	*13	*13	*13	*12	*10	*8	*7	*6	X	X
			2	*13	*11	*9	*8	*6	X	X	X	X	X
			3	*12	*9	*7	*6	X	X	X	X	X	X
	21-27 deg	1	*17	*17	*14	*12	*10	*8	*7	*6	X	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*12	*9	*7	*6	X	X	X	X	X	X	
	28-45 deg	1	*19	*19	*19	*16	*13	*11	*10	*8	*7	*7	
		2	*17	*13	*11	*9	*8	*7	X	X	X	X	
		3	*11	*9	*7	*6	*5	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	*15	*15	*12	*10	*8	*7	*6	X	X	X
			2	*12	*9	*8	*6	X	X	X	X	X	X
			3	*10	*8	*6	X	X	X	X	X	X	X
21-27 deg		1	*18	*14	*12	*10	*8	*7	*6	X	X	X	
		2	*12	*9	*8	*6	X	X	X	X	X	X	
		3	*10	*8	*6	X	X	X	X	X	X	X	
28-45 deg		1	*20	*20	*16	*13	*11	*9	*8	*7	*6	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*10	*8	*6	*5	X	X	X	X	X	X	
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	*11	*11	*11	*11	*11	*11	*10	*9	*8	*7
			2	*11	*11	*11	*11	*9	*8	*7	*6	X	X
			3	*11	*11	*11	*9	*7	*6	X	X	X	X
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*11	*11	*11	*11	*10	*8	*7	*6	X	X
			2	*11	*11	*9	*8	*6	X	X	X	X	X
			3	*11	*9	*7	*6	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1	*13	*13	*12	*10	*8	*7	*6	X	X	X
			2	*12	*9	*8	*6	X	X	X	X	X	X
			3	*10	*8	*6	X	X	X	X	X	X	X
	21-27 deg	1	*16	*14	*12	*10	*8	*7	*6	X	X	X	
		2	*12	*9	*8	*6	X	X	X	X	X	X	
		3	*10	*8	*6	X	X	X	X	X	X	X	
	28-45 deg	1	*18	*18	*16	*13	*11	*9	*8	*7	*6	X	
		2	*14	*11	*9	*8	*6	X	X	X	X	X	
		3	*10	*8	*6	*5	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
	Exposure Category D	9.5-20 deg	1	*11	*11	*11	*10	*8	*7	*6	X	X	X
			2	*11	*9	*8	*6	X	X	X	X	X	X
			3	*10	*8	*6	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	55	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	67	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	76	74	57	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	45	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	61	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	39	34	27	23	19	16	*14	*12	*11	X
			2	39	28	23	19	16	*13	*11	X	X	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	56	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	61	61	57	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	39	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	61	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	39	34	27	23	19	16	*14	*12	*11	X
			2	39	28	23	19	16	*13	*11	X	X	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	46	46	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	51	51	51	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	39	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	51	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	33	33	33	33	30	25	22	19	17	15
			2	33	33	27	23	19	16	*14	*12	*11	X
			3	33	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	39	39	39	35	30	25	22	19	17	15
			2	39	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	44	44	44	44	40	34	29	26	22	20
			2	44	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	33	33	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	39	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	44	44	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	35	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	47	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	27	27	27	27	27	25	22	19	17	15
			2	27	27	27	23	19	16	*14	*12	*11	X
			3	27	27	23	19	16	*13	*11	X	X	X
		21-27 deg	1	34	34	34	34	30	25	22	19	17	15
			2	34	34	27	23	19	16	*14	*12	*11	X
			3	34	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	39	39	39	39	39	34	29	26	22	20
			2	39	39	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	27	27	27	24	21	18	15	*13	*11	X
			2	27	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	34	34	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	39	39	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	30	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	36	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	41	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*23	*23	*23	*23	*23	*23	*21	*19	*16	*14
			2	*23	*23	*23	*22	*19	*16	*14	*12	*11	X
			3	*23	*23	*22	*18	*15	*13	*11	X	X	X
		21-27 deg	1	*30	*30	*30	*30	*29	*25	*21	*19	*16	*14
			2	*30	*30	*27	*22	*19	*16	*14	*12	*11	X
			3	*30	*27	*22	*18	*15	*13	*11	X	X	X
		28-45 deg	1	*35	*35	*35	*35	*35	*33	*29	*25	*22	*19
			2	*35	*35	*32	*27	*23	*19	*17	*15	*13	*11
			3	*35	*27	*22	*18	*15	*13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	*23	*23	*23	*23	*20	*17	*15	*13	*11	X
			2	*23	*23	*19	*16	*13	*11	X	X	X	X
			3	*23	*19	*15	*13	*11	X	X	X	X	X
21-27 deg		1	*30	*30	*29	*24	*20	*17	*15	*13	*11	X	
		2	*29	*23	*19	*16	*13	*11	X	X	X	X	
		3	*23	*19	*15	*13	*11	X	X	X	X	X	
28-45 deg		1	*35	*35	*35	*32	*27	*23	*20	*17	*15	*14	
		2	*34	*27	*22	*19	*16	*13	*12	X	X	X	
		3	*23	*19	*15	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	25	25	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	*32	*29	*24	*20	*17	*14	*12	*11	X	X	
		2	*24	*19	*16	*13	*11	X	X	X	X	X	
		3	*20	*16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	*37	*37	*32	*27	*23	*19	*17	*15	*13	*11	
		2	*29	*23	*19	*16	*13	*11	X	X	X	X	
		3	*20	*16	*13	*11	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
SNOW 61-70 PSF	Exposure Category B	9.5-20 deg	1	*20	*20	*20	*20	*20	*20	*20	*20	*19	*16	*14
			2	*20	*20	*20	*20	*19	*16	*14	*12	*11	X	
			3	*20	*20	*20	*18	*15	*13	*11	X	X	X	
		21-27 deg	1	*26	*26	*26	*26	*26	*25	*21	*19	*16	*14	
			2	*26	*26	*26	*22	*19	*16	*14	*12	*11	X	
			3	*26	*26	*22	*18	*15	*13	*11	X	X	X	
		28-45 deg	1	*31	*31	*31	*31	*31	*31	*29	*25	*22	*19	
			2	*31	*31	*31	*27	*23	*19	*17	*15	*13	*11	
			3	*31	*27	*22	*18	*15	*13	*11	*10	X	X	
	Exposure Category C	9.5-20 deg	1	*20	*20	*20	*20	*20	*17	*15	*13	*11	X	
			2	*20	*20	*19	*16	*13	*11	X	X	X	X	
			3	*20	*19	*15	*13	*11	X	X	X	X	X	
21-27 deg		1	*26	*26	*26	*24	*20	*17	*15	*13	*11	X		
		2	*26	*23	*19	*16	*13	*11	X	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
28-45 deg		1	*31	*31	*31	*31	*27	*23	*20	*17	*15	*14		
		2	*31	*27	*22	*19	*16	*13	*12	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*22	*22	*22	*20	*17	*14	*12	*11	X	X		
		2	*22	*19	*16	*13	*11	X	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		
	21-27 deg	1	*28	*28	*24	*20	*17	*14	*12	*11	X	X		
		2	*24	*19	*16	*13	*11	X	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		
	28-45 deg	1	*34	*34	*32	*27	*23	*19	*17	*15	*13	*11		
		2	*29	*23	*19	*16	*13	*11	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 54	2 41	3 34	1 41	2 34	3 29	1 25	2 19	3 *16	1 *14		
		21-27 deg	1 65	2 41	3 34	1 41	2 34	3 29	1 25	2 19	3 *16	1 *14		
			28-45 deg	1 74	2 49	3 35	1 55	2 46	3 39	1 33	2 29	3 *25	1 22	
	Exposure Category C			9.5-20 deg	1 44	2 29	3 24	1 19	2 *15	3 *12	1 *13	2 X	3 X	1 X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 *13	2 X	3 X	1 X	
			28-45 deg	1 59	2 34	3 23	1 47	2 27	3 19	1 *23	2 *13	3 X	1 X	
	Exposure Category D			9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *23	2 *13	3 X	1 X	
	Snow 11-20 PSF			Exposure Category B	9.5-20 deg	1 38	2 34	3 34	1 38	2 27	3 18	1 *15	2 *13	3 *14
		21-27 deg			1 54	2 41	3 34	1 51	2 33	3 27	1 41	2 27	3 *19	1 *16
			28-45 deg		1 60	2 49	3 35	1 60	2 39	3 27	1 55	2 46	3 *33	1 25
Exposure Category C				9.5-20 deg	1 38	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	1 X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	1 X	
			28-45 deg	1 59	2 34	3 23	1 47	2 27	3 19	1 *23	2 *13	3 X	1 X	
Exposure Category D				9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *23	2 *13	3 X	1 X	
Snow 21-30 PSF				Exposure Category B	9.5-20 deg	1 38	2 34	3 34	1 38	2 27	3 18	1 *15	2 *13	3 *14
		21-27 deg			1 45	2 41	3 34	1 45	2 33	3 27	1 41	2 27	3 *19	1 *16
			28-45 deg		1 50	2 49	3 35	1 50	2 39	3 27	1 50	2 46	3 *33	1 25
	Exposure Category C			9.5-20 deg	1 38	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	1 X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	1 X	
			28-45 deg	1 50	2 34	3 23	1 47	2 27	3 19	1 *23	2 *13	3 X	1 X	
	Exposure Category D			9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	1 X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *23	2 *13	3 X	1 X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 32	2 32	3 27	4 22	5 19	6 *16	7 *14	8 X	9 X	10 *16	11 *14	
		21-27 deg	1 38	2 38	3 33	4 27	5 22	6 19	7 *16	8 *14	9 X	10 *16	11 *14	
		28-45 deg	1 *43	2 *43	3 *27	4 *22	5 *18	6 *15	7 *13	8 X	9 X	10 *21	11 *19	
	Exposure Category C	9.5-20 deg	1 32	2 29	3 23	4 19	5 *15	6 *12	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 38	2 29	3 23	4 19	5 *15	6 *12	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 *43	2 *33	3 *27	4 *22	5 *18	6 *15	7 *13	8 X	9 X	10 *15	11 *13	
	Exposure Category D	9.5-20 deg	1 34	2 24	3 19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 37	2 24	3 19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 46	2 29	3 23	4 *15	5 *13	6 X	7 X	8 X	9 X	10 *13	11 X	
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 *27	2 *27	3 *26	4 *22	5 *18	6 *15	7 *13	8 X	9 X	10 *16	11 *14
			21-27 deg	1 *33	2 *33	3 *26	4 *21	5 *18	6 *15	7 *13	8 X	9 X	10 *16	11 *14
			28-45 deg	1 *38	2 *38	3 *31	4 *26	5 *22	6 *19	7 *16	8 *14	9 *12	10 X	11 X
Exposure Category C		9.5-20 deg	1 *27	2 *27	3 *22	4 *18	5 *15	6 *13	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 *33	2 *28	3 *22	4 *18	5 *15	6 *13	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 *38	2 *33	3 *27	4 *22	5 *18	6 *15	7 *13	8 X	9 X	10 X	11 X	
Exposure Category D		9.5-20 deg	1 29	2 24	3 19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 *35	2 *23	3 *19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 *40	2 *28	3 *22	4 *18	5 *15	6 *13	7 X	8 X	9 X	10 *13	11 X	
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	1 *23	2 *23	3 *23	4 *23	5 *23	6 *23	7 *21	8 *18	9 *16	10 *14	11 *14
			21-27 deg	1 X	2 X	3 X	4 X	5 X	6 X	7 X	8 X	9 X	10 X	11 X
			28-45 deg	1 X	2 X	3 X	4 X	5 X	6 X	7 X	8 X	9 X	10 X	11 X
	Exposure Category C	9.5-20 deg	1 *23	2 *23	3 *18	4 *15	5 *12	6 X	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 X	2 X	3 X	4 X	5 X	6 X	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 X	2 X	3 X	4 X	5 X	6 X	7 X	8 X	9 X	10 X	11 X	
	Exposure Category D	9.5-20 deg	1 *25	2 *23	3 *19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		21-27 deg	1 *31	2 *23	3 *19	4 *15	5 *13	6 X	7 X	8 X	9 X	10 X	11 X	
		28-45 deg	1 *36	2 *28	3 *22	4 *18	5 *15	6 *13	7 X	8 X	9 X	10 *13	11 X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
SNOW 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*21	*21	*21	*20	*16	*14	X	X	X	X	
		2	*21	*19	*15	*13	X	X	X	X	X	X	
		3	*19	*15	*13	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	55	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	67	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	76	74	57	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	45	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	61	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	39	39	39	35	30	25	22	19	17	15
			2	39	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	56	52	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	61	61	57	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	39	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	61	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	39	39	39	35	30	25	22	19	17	15
			2	39	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		21-27 deg	1	46	46	42	35	30	25	22	19	17	15
			2	42	34	27	23	19	16	*14	*12	*11	X
			3	35	28	23	19	16	*13	*11	X	X	X
		28-45 deg	1	51	51	51	47	40	34	29	26	22	20
			2	50	40	33	27	23	20	17	15	*13	*11
			3	36	27	22	19	16	13	*11	*10	X	X
	Exposure Category C	9.5-20 deg	1	39	36	29	24	21	18	15	*13	*11	X
			2	29	23	19	16	*13	*11	X	X	X	X
			3	24	19	16	*13	*11	X	X	X	X	X
21-27 deg		1	45	36	29	24	21	18	15	*13	*11	X	
		2	29	23	19	16	*13	*11	X	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
28-45 deg		1	51	48	39	33	28	24	20	18	16	*14	
		2	35	28	23	19	16	*13	*12	X	X	X	
		3	24	19	16	*13	*11	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X	
		2	24	20	16	*13	*11	X	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	
	28-45 deg	1	51	40	33	27	23	20	17	15	*13	*11	
		2	29	24	19	16	*13	*11	X	X	X	X	
		3	20	16	*13	*11	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	33	33	33	33	30	25	22	19	17	15	
		2	33	33	27	23	19	16	*14	*12	*11	X		
		3	33	28	23	19	16	*13	*11	X	X	X		
	21-27 deg	1	39	39	39	35	30	25	22	19	17	15		
		2	39	34	27	23	19	16	*14	*12	*11	X		
		3	35	28	23	19	16	*13	*11	X	X	X		
	28-45 deg	1	44	44	44	44	40	34	29	26	22	20		
		2	44	40	33	27	23	20	17	15	*13	*11		
		3	36	27	22	19	16	13	*11	*10	X	X		
	Exposure Category C	9.5-20 deg	1	33	33	29	24	21	18	15	*13	*11	X	
			2	29	23	19	16	*13	*11	X	X	X	X	
			3	24	19	16	*13	*11	X	X	X	X	X	
21-27 deg		1	39	36	29	24	21	18	15	*13	*11	X		
		2	29	23	19	16	*13	*11	X	X	X	X		
		3	24	19	16	*13	*11	X	X	X	X	X		
28-45 deg		1	44	44	39	33	28	24	20	18	16	*14		
		2	35	28	23	19	16	*13	*12	X	X	X		
		3	24	19	16	*13	*11	X	X	X	X	X		
Exposure Category D		9.5-20 deg	1	35	30	25	20	17	15	*12	*11	X	X	
			2	24	20	16	*13	*11	X	X	X	X	X	
			3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	38	30	25	20	17	15	*12	*11	X	X		
		2	24	20	16	*13	*11	X	X	X	X	X		
		3	20	16	*13	*11	X	X	X	X	X	X		
	28-45 deg	1	47	40	33	27	23	20	17	15	*13	*11		
		2	29	24	19	16	*13	*11	X	X	X	X		
		3	20	16	*13	*11	X	X	X	X	X	X		
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	27	27	27	27	27	25	22	19	17	15
			2	27	27	27	23	19	16	*14	*12	*11	X	
			3	27	27	23	19	16	*13	*11	X	X	X	
21-27 deg		1	*34	*34	*34	*34	*29	*25	*21	*19	*16	*14		
		2	*34	*33	*27	*22	*19	*16	*14	*12	*11	X		
		3	*34	*27	*22	*18	*15	*13	*11	X	X	X		
28-45 deg		1	*39	*39	*39	*39	*39	*33	*29	*25	*22	*19		
		2	*39	*39	*32	*27	*23	*19	*17	*15	*13	*11		
		3	*35	*27	*22	*18	*15	*13	*11	*10	X	X		
Exposure Category C		9.5-20 deg	1	27	27	27	24	21	18	15	*13	*11	X	
			2	27	23	19	16	*13	*11	X	X	X	X	
			3	24	19	16	*13	*11	X	X	X	X	X	
	21-27 deg	1	*34	*34	*29	*24	*20	*17	*15	*13	*11	X		
		2	*29	*23	*19	*16	*13	*11	X	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
	28-45 deg	1	*39	*39	*38	*32	*27	*23	*20	*17	*15	*14		
		2	*34	*27	*22	*19	*16	*13	*12	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
	Exposure Category D	9.5-20 deg	1	30	30	25	20	17	15	*12	*11	X	X	
			2	24	20	16	*13	*11	X	X	X	X	X	
			3	20	16	*13	*11	X	X	X	X	X	X	
21-27 deg		1	36	30	25	20	17	15	*12	*11	X	X		
		2	24	20	16	*13	*11	X	X	X	X	X		
		3	20	16	*13	*11	X	X	X	X	X	X		
28-45 deg		1	41	40	33	27	23	20	17	15	*13	*11		
		2	29	24	19	16	*13	*11	X	X	X	X		
		3	20	16	*13	*11	X	X	X	X	X	X		
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	1	*23	*23	*23	*23	*23	*23	*21	*19	*16	*14
			2	*23	*23	*23	*22	*19	*16	*14	*12	*11	X	
			3	*23	*23	*22	*18	*15	*13	*11	X	X	X	
	21-27 deg	1	*30	*30	*30	*30	*29	*25	*21	*19	*16	*14		
		2	*30	*30	*27	*22	*19	*16	*14	*12	*11	X		
		3	*30	*27	*22	*18	*15	*13	*11	X	X	X		
	28-45 deg	1	*35	*35	*35	*35	*35	*33	*29	*25	*22	*19		
		2	*35	*35	*32	*27	*23	*19	*17	*15	*13	*11		
		3	*35	*27	*22	*18	*15	*13	*11	*10	X	X		
	Exposure Category C	9.5-20 deg	1	*23	*23	*23	*23	*20	*17	*15	*13	*11	X	
			2	*23	*23	*19	*16	*13	*11	X	X	X	X	
			3	*23	*19	*15	*13	*11	X	X	X	X	X	
21-27 deg		1	*30	*30	*29	*24	*20	*17	*15	*13	*11	X		
		2	*29	*23	*19	*16	*13	*11	X	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
28-45 deg		1	*35	*35	*35	*32	*27	*23	*20	*17	*15	*14		
		2	*34	*27	*22	*19	*16	*13	*12	X	X	X		
		3	*23	*19	*15	*13	*11	X	X	X	X	X		
Exposure Category D		9.5-20 deg	1	25	25	25	20	17	15	*12	*11	X	X	
			2	24	20	16	*13	*11	X	X	X	X	X	
			3	20	16	*13	*11	X	X	X	X	X	X	
	21-27 deg	1	*32	*29	*24	*20	*17	*14	*12	*11	X	X		
		2	*24	*19	*16	*13	*11	X	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		
	28-45 deg	1	*37	*37	*32	*27	*23	*19	*17	*15	*13	*11		
		2	*29	*23	*19	*16	*13	*11	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
SNOW 61-70 PSF	Exposure Category B	9.5-20 deg	1	*20	*20	*20	*20	*20	*20	*20	*20	*19	*16	*14
			2	*20	*20	*20	*20	*19	*16	*14	*12	*11	X	
			3	*20	*20	*20	*18	*15	*13	*11	X	X	X	
		21-27 deg	1	*26	*26	*26	*26	*26	*25	*21	*19	*16	*14	
			2	*26	*26	*26	*22	*19	*16	*14	*12	*11	X	
			3	*26	*26	*22	*18	*15	*13	*11	X	X	X	
		28-45 deg	1	*31	*31	*31	*31	*31	*31	*29	*25	*22	*19	
			2	*31	*31	*31	*27	*23	*19	*17	*15	*13	*11	
			3	*31	*27	*22	*18	*15	*13	*11	*10	X	X	
	Exposure Category C	9.5-20 deg	1	*20	*20	*20	*20	*20	*17	*15	*13	*11	X	
			2	*20	*20	*19	*16	*13	*11	X	X	X	X	
			3	*20	*19	*15	*13	*11	X	X	X	X	X	
		21-27 deg	1	*26	*26	*26	*24	*20	*17	*15	*13	*11	X	
			2	*26	*23	*19	*16	*13	*11	X	X	X	X	
			3	*23	*19	*15	*13	*11	X	X	X	X	X	
		28-45 deg	1	*31	*31	*31	*27	*23	*20	*17	*15	*14		
			2	*31	*27	*22	*19	*16	*13	*12	X	X	X	
			3	*23	*19	*15	*13	*11	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1	*22	*22	*22	*20	*17	*14	*12	*11	X	X	
			2	*22	*19	*16	*13	*11	X	X	X	X	X	
			3	*20	*16	*13	*11	X	X	X	X	X	X	
		21-27 deg	1	*28	*28	*24	*20	*17	*14	*12	*11	X	X	
			2	*24	*19	*16	*13	*11	X	X	X	X	X	
			3	*20	*16	*13	*11	X	X	X	X	X	X	
28-45 deg		1	*34	*34	*32	*27	*23	*19	*17	*15	*13	*11		
		2	*29	*23	*19	*16	*13	*11	X	X	X	X		
		3	*20	*16	*13	*11	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1 54	2 41	3 34	1 41	2 34	3 29	1 25	2 19	3 *16	*14		
		21-27 deg	1 65	2 41	3 34	1 41	2 34	3 29	1 25	2 19	3 *16	*14		
			28-45 deg	1 74	2 49	3 35	1 55	2 46	3 39	1 33	2 29	3 *25	19	
	Exposure Category C			9.5-20 deg	1 44	2 29	3 24	1 19	2 *15	3 *12	1 *13	2 X	3 X	X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 *13	2 X	3 X	X	
			28-45 deg	1 59	2 34	3 23	1 47	2 27	3 19	1 *15	2 *13	3 X	X	X
	Exposure Category D			9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *16	2 *14	3 *13	X	
	Snow 11-20 PSF			Exposure Category B	9.5-20 deg	1 38	2 34	3 34	1 38	2 27	3 18	1 *15	2 *13	3 X
		21-27 deg			1 54	2 41	3 34	1 51	2 33	3 27	1 41	2 34	3 29	1 *16
			28-45 deg		1 60	2 49	3 35	1 60	2 39	3 27	1 55	2 46	3 39	1 25
Exposure Category C				9.5-20 deg	1 38	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	X	
			28-45 deg	1 59	2 34	3 23	1 47	2 27	3 19	1 *15	2 *13	3 X	X	X
Exposure Category D				9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *16	2 *14	3 *13	X	
Snow 21-30 PSF				Exposure Category B	9.5-20 deg	1 38	2 34	3 34	1 38	2 27	3 18	1 *15	2 *13	3 X
		21-27 deg			1 45	2 41	3 34	1 45	2 33	3 27	1 41	2 34	3 29	1 *16
			28-45 deg		1 50	2 49	3 35	1 50	2 39	3 27	1 50	2 46	3 39	1 25
	Exposure Category C			9.5-20 deg	1 38	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	X
		21-27 deg		1 44	2 29	3 24	1 19	2 *15	3 *12	1 X	2 X	3 X	X	
			28-45 deg	1 50	2 34	3 23	1 47	2 27	3 19	1 *15	2 *13	3 X	X	X
	Exposure Category D			9.5-20 deg	1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X
		21-27 deg		1 37	2 24	3 20	1 29	2 *15	3 *13	1 X	2 X	3 X	X	
			28-45 deg	1 50	2 29	3 20	1 39	2 23	3 19	1 *16	2 *14	3 *13	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	Plywood Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)										
		90	100	110	120	130	140	150	160	170	180	
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 32	32	32	32	29	25	21	19	*16	*14
		2 32	32	27	22	19	*16	*14	X	X	X	
		3 32	27	22	18	*15	*13	X	X	X	X	
	21-27 deg	1 *38	*38	*38	*38	*33	*28	*24	*21	*18	*16	*14
		2 *38	*32	*26	*22	*18	*16	*14	X	X	X	
		3 *33	*26	*21	*18	*15	*13	X	X	X	X	
	28-45 deg	1 *43	*43	*43	*43	*38	*32	*28	*24	*21	*19	
		2 *43	*38	*31	*26	*22	*19	*16	*14	*12	X	
		3 *34	*26	*21	*18	*15	*13	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 32	32	29	24	20	17	*15	*13	X	X
			2 29	23	19	*15	*13	X	X	X	X	X
			3 24	19	*15	*12	X	X	X	X	X	X
21-27 deg		1 *38	*34	*28	*23	*20	*17	*15	*13	X	X	
		2 *28	*22	*18	*15	*13	X	X	X	X	X	
		3 *23	*18	*15	*12	X	X	X	X	X	X	
28-45 deg		1 *43	*43	*38	*31	*26	*23	*20	*17	*15	*13	
		2 *33	*27	*22	*18	*15	*13	X	X	X	X	
		3 *23	*18	*15	*12	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 34	29	24	20	*16	*14	X	X	X	X	
		2 24	19	*15	*13	X	X	X	X	X	X	
		3 20	*15	*13	X	X	X	X	X	X	X	
	21-27 deg	1 *36	*29	*23	*19	*16	*14	X	X	X	X	
		2 *23	*19	*15	*13	X	X	X	X	X	X	
		3 *19	*15	*13	X	X	X	X	X	X	X	
	28-45 deg	1 *46	*39	*31	*26	*22	*19	*16	*14	*13	X	
		2 *28	*22	*18	*15	*13	X	X	X	X	X	
		3 *19	*15	*12	X	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 *27	*27	*27	*27	*27	*24	*21	*18	*16	*14
		2 *27	*27	*26	*22	*18	*16	*14	X	X	X	
		3 *27	*26	*22	*18	*15	*13	X	X	X	X	
	21-27 deg	1 *33	*33	*33	*33	*28	*24	*21	*18	*16	*14	
		2 *33	*32	*26	*22	*18	*16	*14	X	X	X	
		3 *33	*26	*21	*18	*15	*13	X	X	X	X	
	28-45 deg	1 *38	*38	*38	*38	*32	*28	*24	*21	*19		
		2 *38	*38	*31	*26	*22	*19	*16	*14	*12	X	
		3 *34	*26	*21	*18	*15	*13	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 *27	*27	*27	*23	*20	*17	*15	*13	X	X
			2 *27	*22	*18	*15	*13	X	X	X	X	X
			3 *23	*18	*15	*12	X	X	X	X	X	X
21-27 deg		1 *33	*33	*28	*23	*20	*17	*15	*13	X	X	
		2 *28	*22	*18	*15	*13	X	X	X	X	X	
		3 *23	*18	*15	*12	X	X	X	X	X	X	
28-45 deg		1 *38	*38	*38	*31	*26	*23	*20	*17	*15	*13	
		2 *33	*27	*22	*18	*15	*13	X	X	X	X	
		3 *23	*18	*15	*12	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 *29	*29	*23	*20	*16	*14	X	X	X	X	
		2 *23	*19	*15	*13	X	X	X	X	X	X	
		3 *19	*15	*13	X	X	X	X	X	X	X	
	21-27 deg	1 *35	*29	*23	*19	*16	*14	X	X	X	X	
		2 *23	*19	*15	*13	X	X	X	X	X	X	
		3 *19	*15	*13	X	X	X	X	X	X	X	
	28-45 deg	1 *40	*39	*31	*26	*22	*19	*16	*14	*13	X	
		2 *28	*22	*18	*15	*13	X	X	X	X	X	
		3 *19	*15	*12	X	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1 *23	*23	*23	*23	*23	*23	*21	*18	*16	*14
		2 *23	*23	*23	*23	*22	*18	*16	*14	X	X	
		3 *23	*23	*22	*18	*15	*13	X	X	X	X	
	21-27 deg	1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1 *23	*23	*23	*23	*20	*17	*15	*13	X	X
			2 *23	*22	*18	*15	*13	X	X	X	X	X
			3 *23	*18	*15	*12	X	X	X	X	X	X
21-27 deg		1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	
28-45 deg		1 X	X	X	X	X	X	X	X	X	X	
		2 X	X	X	X	X	X	X	X	X	X	
		3 X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 *25	*25	*23	*20	*16	*14	X	X	X	X	
		2 *23	*19	*15	*13	X	X	X	X	X	X	
		3 *19	*15	*13	X	X	X	X	X	X	X	
	21-27 deg	1 *31	*29	*23	*19	*16	*14	X	X	X	X	
		2 *23	*19	*15	*13	X	X	X	X	X	X	
		3 *19	*15	*13	X	X	X	X	X	X	X	
	28-45 deg	1 *36	*36	*31	*26	*22	*19	*16	*14	*13	X	
		2 *28	*22	*18	*15	*13	X	X	X	X	X	
		3 *19	*15	*12	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 72 Cell Module Size
 SMLT Rail Type
 Plywood Deck Type
 Landscape Module Orientation
 Ss = 3.00 Seismic

All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
SNOW 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category D	9.5-20 deg	1	*21	*21	*21	*20	*16	*14	X	X	X	X	X
			2	*21	*19	*15	*13	X	X	X	X	X	X	X
			3	*19	*15	*13	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 60 Cell
 SMLT
 OSB
 Portrait
 Ss = 1.25

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

	Roof Slope	Roof Zone	Basic Wind Speed (mph)																														
			90	100	110	120	130	140	150	160	170	180																					
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1: 24	24	20	17	14	12	10	9	8	7	2: 20	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X	
		21-27 deg	1: 31	25	20	17	14	12	10	9	8	7	2: 20	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X	
		28-45 deg	1: 33	33	27	23	19	16	14	12	11	9	2: 24	19	16	13	11	9	8	7	*6	*5	3: 16	13	11	9	7	*6	*5	*4	X	X	
	Exposure Category C	9.5-20 deg	1: 22	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		21-27 deg	1: 22	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		28-45 deg	1: 29	23	19	16	13	11	10	8	7	*6	2: 17	13	11	9	8	*6	*5	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1: 18	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		21-27 deg	1: 18	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		28-45 deg	1: 24	19	16	13	11	9	8	7	*6	*5	2: 14	11	9	8	*6	*5	X	X	X	X	3: 9	8	6	*5	*4	X	X	X	X	X	
	Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1: 17	17	17	17	14	12	10	9	8	7	2: 17	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X
			21-27 deg	1: 24	24	20	17	14	12	10	9	8	7	2: 20	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X
			28-45 deg	1: 26	26	26	23	19	16	14	12	11	9	2: 24	19	16	13	11	9	8	7	*6	*5	3: 16	13	11	9	7	*6	*5	*4	X	X
Exposure Category C		9.5-20 deg	1: 17	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		21-27 deg	1: 22	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		28-45 deg	1: 26	23	19	16	13	11	10	8	7	*6	2: 17	13	11	9	8	*6	*5	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
Exposure Category D		9.5-20 deg	1: 17	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		21-27 deg	1: 18	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		28-45 deg	1: 24	19	16	13	11	9	8	7	*6	*5	2: 14	11	9	8	*6	*5	X	X	X	X	3: 9	8	6	*5	*4	X	X	X	X	X	
Snow 21-30 PSF		Exposure Category B	9.5-20 deg	1: 17	17	17	17	14	12	10	9	8	7	2: 17	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X
			21-27 deg	1: 20	20	20	17	14	12	10	9	8	7	2: 20	16	13	11	9	8	*6	*6	*5	X	3: 17	13	11	9	7	*6	*5	X	X	X
			28-45 deg	1: 22	22	22	22	19	16	14	12	11	9	2: 22	19	16	13	11	9	8	7	*6	*5	3: 16	13	11	9	7	*6	*5	*4	X	X
	Exposure Category C	9.5-20 deg	1: 17	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		21-27 deg	1: 20	17	14	12	10	8	7	*6	*5	X	2: 14	11	9	7	*6	*5	X	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
		28-45 deg	1: 22	22	19	16	13	11	10	8	7	*6	2: 17	13	11	9	8	*6	*5	X	X	X	3: 11	9	7	*6	*5	X	X	X	X	X	
	Exposure Category D	9.5-20 deg	1: 17	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		21-27 deg	1: 18	14	12	10	8	7	*6	*5	X	X	2: 12	9	8	*6	*5	X	X	X	X	X	3: 10	8	*6	*5	X	X	X	X	X	X	
		28-45 deg	1: 23	19	16	13	11	9	8	7	*6	*5	2: 14	11	9	8	*6	*5	X	X	X	X	3: 9	8	6	*5	*4	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

	Roof Zone	Basic Wind Speed (mph)																										
		90	100	110	120	130	140	150	160	170	180																	
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	14	14	14	14	14	12	10	9	8	7	2	14	14	13	11	9	7	*6	*5	X	X					
		21-27 deg	17	17	17	17	14	12	10	9	8	7	3	17	13	11	9	7	*6	*5	X	X	X					
		28-45 deg	19	19	19	19	19	16	14	12	11	9	1	19	19	19	19	19	19	16	13	11	9	9				
	Exposure Category C	9.5-20 deg	14	11	9	7	*6	*5	X	X	X	X	2	14	11	9	7	*6	*5	X	X	X	X					
		21-27 deg	17	14	12	10	8	7	*6	*5	X	X	3	17	14	12	10	8	7	*6	*5	X	X					
		28-45 deg	19	19	19	16	13	11	10	8	7	6	1	19	19	19	19	19	19	16	13	11	9	*6				
	Exposure Category D	9.5-20 deg	15	9	8	*6	*5	X	X	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X					
		21-27 deg	18	14	12	10	8	7	*6	*5	X	X	3	18	14	12	10	8	7	*6	*5	X	X					
		28-45 deg	20	19	16	13	11	9	8	7	*6	*5	1	20	19	16	13	11	9	8	7	*6	*5	X				
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	12	12	12	12	12	10	8	7	*6	*5	X	X	X	X	2	12	12	12	12	11	9	7	*6	*5	X
			21-27 deg	14	14	14	14	14	12	10	9	8	7	3	14	14	14	14	14	14	14	14	14	14	14			
			28-45 deg	17	17	17	17	17	16	14	12	11	9	1	17	17	17	17	17	17	17	17	17	17	17			
Exposure Category C		9.5-20 deg	12	11	9	7	*6	*5	X	X	X	X	2	12	11	9	7	*6	*5	X	X	X	X					
		21-27 deg	14	14	14	12	10	8	7	*6	*5	X	X	3	14	14	14	14	14	14	14	14	14	14				
		28-45 deg	17	17	17	16	13	11	10	8	7	6	1	17	17	17	17	17	17	17	17	17	17	17				
Exposure Category D		9.5-20 deg	13	8	*6	*5	X	X	X	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X					
		21-27 deg	16	14	12	10	8	7	*6	*5	X	X	3	16	14	12	10	8	7	*6	*5	X	X					
		28-45 deg	18	18	16	13	11	9	8	7	*6	*5	1	18	18	16	13	11	9	8	7	*6	*5	X				
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	*10	*10	*10	*10	*10	*10	*10	*9	*8	*7	2	*10	*10	*10	*10	*9	*8	*6	*6	*5	X	X			
			21-27 deg	*13	*13	*13	*13	*13	*12	*10	*9	*8	*7	3	*13	*13	*13	*13	*13	*13	*13	*13	*13	*13	*13			
			28-45 deg	*15	*15	*15	*15	*15	*15	*14	*12	*10	*9	1	*15	*15	*15	*15	*15	*15	*15	*15	*15	*15	*15			
	Exposure Category C	9.5-20 deg	*10	*10	*9	*7	*6	*5	X	X	X	X	2	*10	*10	*9	*7	*6	*5	X	X	X	X					
		21-27 deg	*13	*13	*13	*11	*10	*8	*7	*6	*5	X	X	3	*13	*13	*13	*13	*13	*13	*13	*13	*13	*13				
		28-45 deg	*15	*15	*15	*15	*15	*15	*15	*14	*12	*10	*9	1	*15	*15	*15	*15	*15	*15	*15	*15	*15	*15	*15			
	Exposure Category D	9.5-20 deg	11	9	8	*6	*5	X	X	X	X	X	2	11	9	8	*6	*5	X	X	X	X	X					
		21-27 deg	*14	*14	*11	*9	*8	*7	*6	*5	X	X	3	*14	*14	*14	*14	*14	*14	*14	*14	*14	*14	*14				
		28-45 deg	*16	*16	*15	*13	*11	*9	*8	*7	*6	*5	X	X	1	*16	*16	*16	*16	*16	*16	*16	*16	*16	*16	*16		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 60 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Portrait Module Orientation
 Ss = 1.25 Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1 *8	*8	*8	*8	*8	*8	*8	*8	*8	*8	*8	*7
		2 *8	*8	*8	*8	*8	*8	*8	*8	*6	*6	*5	X	
		3 *8	*8	*8	*8	*8	*7	*6	*5	X	X	X	X	
	21-27 deg	1 *11	*11	*11	*11	*11	*11	*11	*10	*9	*8	*8	*7	X
		2 *11	*11	*11	*11	*11	*9	*8	*6	*6	*5	*5	X	
		3 *11	*11	*11	*10	*9	*7	*6	*5	X	X	X	X	
	28-45 deg	1 *13	*13	*13	*13	*13	*13	*13	*13	*13	*12	*10	*9	X
		2 *13	*13	*13	*13	*13	*11	*9	*8	*7	*6	*6	*5	X
		3 *13	*13	*13	*10	*9	*7	*6	*5	*5	*4	*4	X	
Exposure Category C	9.5-20 deg	1 *8	*8	*8	*8	*8	*8	*8	*7	*6	*5	*5	X	
		2 *8	*8	*8	*8	*7	*6	*5	X	X	X	X	X	
		3 *8	*8	*8	*7	*6	*5	X	X	X	X	X	X	
	21-27 deg	1 *11	*11	*11	*11	*11	*10	*8	*7	*6	*5	*5	X	
		2 *11	*11	*11	*9	*7	*6	*5	X	X	X	X	X	
		3 *11	*9	*7	*6	*5	X	X	X	X	X	X	X	
	28-45 deg	1 *13	*13	*13	*13	*13	*13	*11	*9	*8	*7	*7	*6	X
		2 *13	*13	*13	*11	*9	*7	*6	*5	X	X	X	X	
		3 *11	*9	*7	*6	*5	*4	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1 *9	*9	*9	*9	*9	*8	*7	*6	*5	*5	X	X	
		2 *9	*9	*9	*7	*6	*5	X	X	X	X	X	X	
		3 *9	*7	*6	*5	X	X	X	X	X	X	X		
	21-27 deg	1 *12	*12	*11	*9	*8	*7	*6	*5	X	X	X	X	
		2 *11	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3 *9	*7	*6	*5	X	X	X	X	X	X	X		
	28-45 deg	1 *14	*14	*14	*13	*11	*9	*8	*7	*6	*6	*5	X	
		2 *14	*11	*9	*7	*6	*5	X	X	X	X	X		
		3 *9	*7	*6	*5	*4	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

	Roof Slope	Roof Zone	Basic Wind Speed (mph)																												
			90	100	110	120	130	140	150	160	170	180																			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1: 20	2: 17	3: 14	1: 20	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X		
		21-27 deg	1: 26	2: 17	3: 14	1: 21	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: *6	3: *5	1: 10	2: *5	3: X	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X		
			28-45 deg	1: 27	2: 14	3: 11	1: 27	2: 11	3: 9	1: 23	2: 9	3: 7	1: 19	2: 7	3: 5	1: 16	2: *6	3: *4	1: 13	2: X	3: X	1: 12	2: X	3: X	1: 10	2: *6	3: X	1: 9	2: *5	3: X	
	Exposure Category C			9.5-20 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: 6	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X
		21-27 deg		1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: 6	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
			28-45 deg	1: 24	2: 12	3: 10	1: 19	2: 9	3: 8	1: 16	2: 7	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: *6	3: X	1: *6	2: X	3: X	
	Exposure Category D			9.5-20 deg	1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X
		21-27 deg		1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
			28-45 deg	1: 20	2: 12	3: 8	1: 16	2: 9	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
	Snow 11-20 PSF			Exposure Category B	9.5-20 deg	1: 14	2: 14	3: 14	1: 14	2: 13	3: 11	1: 14	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: *6	3: *5	1: 10	2: *5	3: X	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X
		21-27 deg			1: 20	2: 17	3: 14	1: 20	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: *6	3: *5	1: 10	2: *5	3: X	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X
			28-45 deg		1: 22	2: 17	3: 14	1: 22	2: 13	3: 11	1: 22	2: 11	3: 9	1: 19	2: 9	3: 7	1: 16	2: *6	3: *5	1: 13	2: *5	3: X	1: 12	2: *5	3: X	1: 10	2: *5	3: X	1: 9	2: *5	3: X
Exposure Category C				9.5-20 deg	1: 14	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X
		21-27 deg		1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	
			28-45 deg	1: 22	2: 12	3: 10	1: 19	2: 9	3: 8	1: 16	2: 7	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: *6	3: X	1: *6	2: X	3: X	
Exposure Category D				9.5-20 deg	1: 14	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X
		21-27 deg		1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
			28-45 deg	1: 20	2: 12	3: 8	1: 16	2: 9	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
Snow 21-30 PSF				Exposure Category B	9.5-20 deg	1: 14	2: 14	3: 14	1: 14	2: 13	3: 11	1: 14	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: *6	3: *5	1: 10	2: *5	3: X	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X
		21-27 deg			1: 16	2: 16	3: 14	1: 16	2: 13	3: 11	1: 16	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: *6	3: *5	1: 10	2: *5	3: X	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X
			28-45 deg		1: 18	2: 16	3: 14	1: 18	2: 13	3: 11	1: 18	2: 11	3: 9	1: 18	2: 9	3: 7	1: 16	2: *6	3: *5	1: 13	2: *5	3: X	1: 12	2: *5	3: X	1: 10	2: *5	3: X	1: 9	2: *5	3: X
	Exposure Category C			9.5-20 deg	1: 14	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X
		21-27 deg		1: 16	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	
			28-45 deg	1: 18	2: 12	3: 10	1: 18	2: 9	3: 8	1: 16	2: 7	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: *6	3: X	1: *6	2: X	3: X	
	Exposure Category D			9.5-20 deg	1: 14	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X
		21-27 deg		1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
			28-45 deg	1: 19	2: 12	3: 8	1: 16	2: 9	3: *6	1: 13	2: *6	3: *5	1: 11	2: *5	3: X	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: *6	3: X	1: *6	2: X	3: X	1: 10 or 120	2: X	3: X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 72 Cell
 SMLT
 OSB
 Portrait
 Ss = 1.25

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg 1	12	12	12	12	12	10	9	7	*6	*6	*6	
		9.5-20 deg 2	12	12	11	9	8	*6	*5	*5	X	X	X	
		9.5-20 deg 3	12	11	9	7	*6	*5	X	X	X	X	X	
	21-27 deg	21-27 deg 1	14	14	14	14	12	10	9	7	*6	*6	*6	
		21-27 deg 2	14	13	11	9	8	*6	*5	*5	X	X	X	
		21-27 deg 3	14	11	9	7	*6	*5	X	X	X	X	X	
	28-45 deg	28-45 deg 1	*16	*16	*16	*16	*15	*13	*11	*10	*9	*8	*8	
		28-45 deg 2	*16	*16	*13	*11	*9	*8	*6	*6	*5	X	X	
		28-45 deg 3	*13	*11	*9	*7	*6	*5	*4	*4	X	X	X	
	Exposure Category C	9.5-20 deg	9.5-20 deg 1	12	9	7	*6	*5	X	X	X	X	X	
			9.5-20 deg 2	12	8	*6	*5	X	X	X	X	X	X	
			9.5-20 deg 3	10	8	*6	*5	X	X	X	X	X	X	
21-27 deg		21-27 deg 1	14	14	12	10	8	7	*6	*5	X	X		
		21-27 deg 2	12	9	7	*6	*5	X	X	X	X	X		
		21-27 deg 3	10	8	*6	*5	X	X	X	X	X	X		
28-45 deg		28-45 deg 1	*16	*16	*15	*13	*11	*9	*8	*7	*6	*5		
		28-45 deg 2	*14	*11	*9	*7	*6	*5	X	X	X	X		
		28-45 deg 3	*9	*7	*6	*5	*4	X	X	X	X	X		
Exposure Category D		9.5-20 deg	9.5-20 deg 1	12	8	7	*6	*5	X	X	X	X		
			9.5-20 deg 2	10	8	*6	*5	X	X	X	X	X		
			9.5-20 deg 3	8	*6	*5	X	X	X	X	X	X		
	21-27 deg	21-27 deg 1	15	12	10	8	7	*6	*5	X	X			
		21-27 deg 2	10	8	*6	*5	X	X	X	X	X			
		21-27 deg 3	8	*6	*5	X	X	X	X	X	X			
	28-45 deg	28-45 deg 1	17	16	13	11	9	8	7	*6	*5	X		
		28-45 deg 2	12	9	8	*6	*5	X	X	X	X			
		28-45 deg 3	8	6	*5	*4	X	X	X	X	X			
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg 1	*10	*10	*10	*10	*10	*10	*8	*7	*6	*6	
			9.5-20 deg 2	*10	*10	*10	*9	*9	*7	*6	*5	*5	X	X
			9.5-20 deg 3	*10	*10	*9	*7	*7	*6	*5	X	X	X	
21-27 deg		21-27 deg 1	*12	*12	*12	*12	*11	*10	*8	*7	*6	*6		
		21-27 deg 2	*12	*12	*11	*9	*9	*7	*6	*5	*5	X	X	
		21-27 deg 3	*12	*11	*9	*7	*6	*5	X	X	X	X		
28-45 deg		28-45 deg 1	*14	*14	*14	*14	*14	*13	*11	*10	*9	*8		
		28-45 deg 2	*14	*14	*13	*11	*9	*8	*6	*6	*5	X		
		28-45 deg 3	*13	*11	*9	*7	*6	*5	*4	X	X	X		
Exposure Category C		9.5-20 deg	9.5-20 deg 1	*10	*9	*7	*6	*5	X	X	X	X		
			9.5-20 deg 2	*10	*9	*7	*6	*5	X	X	X	X		
			9.5-20 deg 3	*9	*7	*6	*5	X	X	X	X	X		
	21-27 deg	21-27 deg 1	*12	*12	*11	*9	*8	*7	*6	*5	X	X		
		21-27 deg 2	*11	*9	*7	*6	*5	X	X	X	X			
		21-27 deg 3	*9	*7	*6	*5	X	X	X	X	X			
	28-45 deg	28-45 deg 1	*14	*14	*14	*13	*11	*9	*8	*7	*6	*5		
		28-45 deg 2	*14	*11	*9	*7	*6	*5	X	X	X			
		28-45 deg 3	*9	*7	*6	*5	*4	X	X	X	X			
	Exposure Category D	9.5-20 deg	9.5-20 deg 1	11	8	*6	*5	X	X	X	X			
			9.5-20 deg 2	10	8	*6	*5	X	X	X	X			
			9.5-20 deg 3	8	*6	*5	X	X	X	X	X			
21-27 deg		21-27 deg 1	*13	*12	*9	*8	*7	*6	*5	X	X			
		21-27 deg 2	*9	*7	*6	*5	X	X	X	X				
		21-27 deg 3	*8	*6	*5	X	X	X	X	X				
28-45 deg		28-45 deg 1	*15	*15	*13	*11	*9	*8	*7	*6	*5	X		
		28-45 deg 2	*11	*9	*7	*6	*5	X	X	X	X			
		28-45 deg 3	*8	*6	*5	*4	X	X	X	X	X			
Snow 51-60 PSF		Exposure Category B	9.5-20 deg 1	*8	*8	*8	*8	*8	*8	*8	*7	*6	*6	
			9.5-20 deg 2	*8	*8	*8	*8	*7	*6	*5	*5	X	X	
			9.5-20 deg 3	*8	*8	*8	*7	*6	*5	X	X	X		
	21-27 deg	21-27 deg 1	X	X	X	X	X	X	X	X	X			
		21-27 deg 2	X	X	X	X	X	X	X	X	X			
		21-27 deg 3	X	X	X	X	X	X	X	X	X			
	28-45 deg	28-45 deg 1	X	X	X	X	X	X	X	X	X			
		28-45 deg 2	X	X	X	X	X	X	X	X	X			
		28-45 deg 3	X	X	X	X	X	X	X	X	X			
	Exposure Category C	9.5-20 deg	9.5-20 deg 1	*8	*8	*8	*8	*8	*7	*6	*5	X	X	
			9.5-20 deg 2	*8	*8	*7	*6	*5	X	X	X	X		
			9.5-20 deg 3	*8	*7	*6	*5	X	X	X	X	X		
21-27 deg		21-27 deg 1	X	X	X	X	X	X	X	X	X			
		21-27 deg 2	X	X	X	X	X	X	X	X	X			
		21-27 deg 3	X	X	X	X	X	X	X	X	X			
28-45 deg		28-45 deg 1	X	X	X	X	X	X	X	X	X			
		28-45 deg 2	X	X	X	X	X	X	X	X	X			
		28-45 deg 3	X	X	X	X	X	X	X	X	X			
Exposure Category D		9.5-20 deg	9.5-20 deg 1	*9	*9	*9	*8	*7	*6	*5	X	X		
			9.5-20 deg 2	*9	*7	*6	*5	X	X	X	X			
			9.5-20 deg 3	*8	*6	*5	X	X	X	X	X			
	21-27 deg	21-27 deg 1	*11	*11	*9	*8	*7	*6	*5	X	X			
		21-27 deg 2	*9	*7	*6	*5	X	X	X	X				
		21-27 deg 3	*8	*6	*5	X	X	X	X	X				
	28-45 deg	28-45 deg 1	*13	*13	*11	*9	*8	*7	*6	X	X			
		28-45 deg 2	*11	*9	*7	*6	*5	X	X	X				
		28-45 deg 3	*8	*6	*5	*4	X	X	X	X				

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 72 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Portrait Module Orientation
 Ss = 1.25 Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
21-27 deg		1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
28-45 deg		1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*8	*8	*8	*8	*7	*6	*5	X	X	X		
		2	*8	*7	*6	*5	X	X	X	X	X	X		
		3	*8	*6	*5	X	X	X	X	X	X	X		
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 60 Cell
 SMLT
 OSB
 Portrait
 Ss = 3.00

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

	Roof Slope	Roof Zone	Basic Wind Speed (mph)															
			90	100	110	120	130	140	150	160	170	180						
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1: 24	2: 24	3: 20	1: 17	2: 14	3: 12	1: 10	2: 9	3: *6	1: *6	2: *6	3: *5	1: 8	2: *5	3: X	
		21-27 deg	1: 31	2: 20	3: 17	1: 25	2: 16	3: 13	1: 20	2: 13	3: 11	1: 17	2: *6	3: *5	1: 12	2: X	3: X	
		28-45 deg	1: 33	2: 24	3: 17	1: 33	2: 19	3: 13	1: 27	2: 16	3: 11	1: 23	2: *6	3: *5	1: 19	2: 7	3: *4	
	Exposure Category C	9.5-20 deg	1: 22	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 8	2: X	3: X	
		21-27 deg	1: 22	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 10	2: X	3: X	
		28-45 deg	1: 29	2: 17	3: 11	1: 23	2: 13	3: 9	1: 19	2: 11	3: 7	1: 16	2: *6	3: *4	1: 13	2: X	3: X	
	Exposure Category D	9.5-20 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 7	2: X	3: X	
		21-27 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 8	2: X	3: X	
		28-45 deg	1: 24	2: 14	3: 9	1: 19	2: 11	3: 8	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 11	2: X	3: X	
	Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1: 17	2: 17	3: 17	1: 17	2: 16	3: 13	1: 17	2: 13	3: 11	1: 14	2: *6	3: *5	1: 10	2: *6	3: X
			21-27 deg	1: 24	2: 20	3: 17	1: 24	2: 16	3: 13	1: 20	2: 13	3: 11	1: 17	2: *6	3: *5	1: 14	2: 8	3: X
			28-45 deg	1: 26	2: 24	3: 16	1: 26	2: 19	3: 13	1: 23	2: 16	3: 11	1: 19	2: *6	3: *5	1: 14	2: 7	3: *4
Exposure Category C		9.5-20 deg	1: 17	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 8	2: X	3: X	
		21-27 deg	1: 22	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 10	2: X	3: X	
		28-45 deg	1: 26	2: 17	3: 11	1: 23	2: 13	3: 9	1: 19	2: 11	3: 7	1: 16	2: *6	3: *4	1: 13	2: X	3: X	
Exposure Category D		9.5-20 deg	1: 17	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 8	2: X	3: X	
		21-27 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 8	2: X	3: X	
		28-45 deg	1: 24	2: 14	3: 9	1: 19	2: 11	3: 8	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 11	2: X	3: X	
Snow 21-30 PSF		Exposure Category B	9.5-20 deg	1: 17	2: 17	3: 17	1: 17	2: 16	3: 13	1: 17	2: 13	3: 11	1: 14	2: *6	3: *5	1: 10	2: *6	3: X
			21-27 deg	1: 20	2: 20	3: 17	1: 20	2: 16	3: 13	1: 17	2: 13	3: 11	1: 14	2: *6	3: *5	1: 10	2: 8	3: X
			28-45 deg	1: 22	2: 22	3: 16	1: 22	2: 19	3: 13	1: 22	2: 16	3: 11	1: 19	2: *6	3: *5	1: 14	2: 7	3: *4
	Exposure Category C	9.5-20 deg	1: 17	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 8	2: X	3: X	
		21-27 deg	1: 20	2: 14	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: *6	2: *5	3: X	1: 10	2: X	3: X	
		28-45 deg	1: 22	2: 17	3: 11	1: 22	2: 13	3: 9	1: 19	2: 11	3: 7	1: 16	2: *6	3: *4	1: 13	2: X	3: X	
	Exposure Category D	9.5-20 deg	1: 17	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 8	2: X	3: X	
		21-27 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 8	3: *6	1: *6	2: X	3: X	1: 8	2: X	3: X	
		28-45 deg	1: 23	2: 14	3: 9	1: 19	2: 11	3: 8	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 11	2: X	3: X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 60 Cell
 SMLT
 OSB
 Portrait
 Ss = 3.00

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)																																															
		90	100	110	120	130	140	150	160	170	180																																						
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	14	14	14	14	14	12	10	9	8	7	2	14	14	13	11	9	7	*6	*5	X	X	3	14	13	11	9	7	14	12	10	9	8	7														
		21-27 deg	17	17	17	17	17	14	12	10	9	8	7	1	17	17	16	13	11	9	7	*6	*6	*5	X	2	17	16	13	11	9	17	14	12	10	9	8	3	17	13	11	9	7	16	14	12	10	9	8
		28-45 deg	19	19	19	19	19	16	14	12	11	10	9	1	19	19	19	19	19	19	16	14	12	11	9	2	19	19	16	13	11	19	16	14	12	11	9	3	16	13	11	9	7	16	14	12	10	9	8
	Exposure Category C	9.5-20 deg	14	11	9	7	*6	*5	X	X	X	X	X	1	14	11	9	7	*6	*5	X	X	X	X	X	2	14	11	9	7	*6	*5	X	X	X	X	X	3	11	9	7	*6	*5	X	X	X	X	X	X
		21-27 deg	17	14	9	7	*6	*5	X	X	X	X	X	1	17	14	9	7	*6	*5	X	X	X	X	X	2	17	14	9	7	*6	*5	X	X	X	X	X	3	11	9	7	*6	*5	X	X	X	X	X	X
		28-45 deg	19	19	19	16	13	11	10	8	7	6	5	1	19	19	19	16	13	11	10	8	7	6	5	2	19	19	16	13	11	19	16	14	12	11	9	3	17	13	11	9	7	17	14	12	10	9	8
	Exposure Category D	9.5-20 deg	15	9	8	*6	*5	X	X	X	X	X	X	1	15	9	8	*6	*5	X	X	X	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X	X	3	10	8	*6	*5	X	X	X	X	X	X	X
		21-27 deg	18	14	12	10	8	7	*6	*5	X	X	X	1	18	14	12	10	8	7	*6	*5	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X	X	3	10	8	*6	*5	X	X	X	X	X	X	X
		28-45 deg	20	19	16	13	11	9	8	7	6	5	4	1	20	19	16	13	11	9	8	7	6	5	4	2	14	11	9	8	*6	*5	X	X	X	X	X	3	9	8	6	*5	*4	X	X	X	X	X	X
	Snow 41-50 PSF	Exposure Category B	9.5-20 deg	12	12	12	12	12	12	10	9	8	7	1	12	12	12	12	12	12	10	9	8	7	2	12	12	12	11	9	7	8	*6	*6	*5	X	3	12	12	11	9	7	12	11	9	8	7	6	
			21-27 deg	*14	*14	*14	*14	*14	*14	*12	*10	*9	*8	*7	1	*14	*14	*14	*14	*14	*12	*10	*9	*8	*7	2	*14	*14	*13	*11	*9	*8	*6	*6	*6	*5	X	3	*14	*13	*10	*9	*7	*6	*5	X	X	X	X
			28-45 deg	*17	*17	*17	*17	*17	*16	*14	*12	*10	*9	*8	1	*17	*17	*17	*17	*17	*16	*14	*12	*10	*9	*8	2	*17	*17	*15	*13	*11	*9	*8	*7	*6	*5	X	3	*16	*13	*10	*9	*7	*6	*5	*5	*4	X
Exposure Category C		9.5-20 deg	12	11	9	7	*6	*5	X	X	X	X	X	1	12	11	9	7	*6	*5	X	X	X	X	X	2	12	11	9	7	*6	*5	X	X	X	X	X	3	11	9	7	*6	*5	X	X	X	X	X	X
		21-27 deg	*14	*11	*9	*7	*6	*5	X	X	X	X	X	1	*14	*11	*9	*7	*6	*5	X	X	X	X	X	2	*14	*11	*9	*7	*6	*5	X	X	X	X	X	3	*11	*9	*7	*6	*5	X	X	X	X	X	X
		28-45 deg	*17	*13	*11	*9	*7	*6	*5	X	X	X	X	1	*17	*13	*11	*9	*7	*6	*5	X	X	X	X	2	*16	*13	*11	*9	*7	*6	*5	X	X	X	X	3	*11	*9	*7	*6	*5	X	X	X	X	X	X
Exposure Category D		9.5-20 deg	13	8	*6	*5	X	X	X	X	X	X	X	1	13	8	*6	*5	X	X	X	X	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X	X	3	10	8	*6	*5	X	X	X	X	X	X	X
		21-27 deg	16	14	12	10	8	7	*6	*5	X	X	X	1	16	14	12	10	8	7	*6	*5	X	X	X	2	12	9	8	*6	*5	X	X	X	X	X	X	3	10	8	*6	*5	X	X	X	X	X	X	X
		28-45 deg	18	18	16	13	11	9	8	7	6	5	4	1	18	18	16	13	11	9	8	7	6	5	4	2	14	11	9	8	*6	*5	X	X	X	X	X	3	9	8	6	*5	*4	X	X	X	X	X	X
Snow 51-60 PSF		Exposure Category B	9.5-20 deg	*10	*10	*10	*10	*10	*10	*10	*9	*8	*7	1	*10	*10	*10	*10	*10	*10	*10	*9	*8	*7	2	*10	*10	*10	*10	*9	*8	*6	*6	*5	X	X	3	*10	*10	*10	*9	*7	*6	*5	X	X	X	X	
			21-27 deg	*13	*13	*13	*13	*13	*13	*12	*10	*9	*8	*7	1	*13	*13	*13	*13	*13	*12	*10	*9	*8	*7	2	*13	*13	*13	*11	*9	*8	*6	*6	*5	X	X	3	*13	*13	*10	*9	*7	*6	*5	X	X	X	X
			28-45 deg	*15	*15	*15	*15	*15	*15	*15	*14	*12	*10	*9	1	*15	*15	*15	*15	*15	*15	*14	*12	*10	*9	2	*15	*15	*15	*13	*11	*9	*8	*7	*6	*5	X	3	*15	*13	*10	*9	*7	*6	*5	*5	*4	X	X
	Exposure Category C	9.5-20 deg	*10	*9	*7	*6	*5	X	X	X	X	X	X	1	*10	*10	*9	*7	*6	*5	X	X	X	X	X	2	*10	*10	*9	*7	*6	*5	X	X	X	X	X	3	*10	*9	*7	*6	*5	X	X	X	X	X	X
		21-27 deg	*13	*13	*13	*11	*9	*7	*6	*5	X	X	X	1	*13	*13	*13	*11	*9	*7	*6	*5	X	X	X	2	*13	*13	*13	*11	*9	*7	*6	*5	X	X	X	3	*13	*11	*9	*7	*6	*5	X	X	X	X	X
		28-45 deg	*15	*15	*15	*15	*15	*13	*11	*9	*8	*7	*6	1	*15	*15	*15	*15	*15	*15	*14	*12	*10	*9	*8	2	*15	*15	*15	*13	*11	*9	*8	*7	*6	*5	X	3	*15	*13	*10	*9	*7	*6	*5	*5	*4	X	X
	Exposure Category D	9.5-20 deg	11	9	8	*6	*5	X	X	X	X	X	X	1	11	9	8	*6	*5	X	X	X	X	X	X	2	11	9	8	*6	*5	X	X	X	X	X	X	3	10	8	*6	*5	X	X	X	X	X	X	X
		21-27 deg	*14	*11	*9	*7	*6	*5	X	X	X	X	X	1	*14	*11	*9	*7	*6	*5	X	X	X	X	X	2	*11	*9	*7	*6	*5	X	X	X	X	X	X	3	*9	*7	*6	*5	X	X	X	X	X	X	X
		28-45 deg	*16	*11	*9	*7	*6	*5	X	X	X	X	X	1	*16	*11	*9	*7	*6	*5	X	X	X	X	X	2	*14	*11	*9	*7	*6	*5	X	X	X	X	X	3	*9	*7	*6	*5	X	X	X	X	X	X	X

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 60 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Portrait Module Orientation
 Ss = 3.00 Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1 *8	*8	*8	*8	*8	*8	*8	*8	*8	*8	*8	*7
		2 *8	*8	*8	*8	*8	*8	*8	*8	*6	*6	*5	X	
		3 *8	*8	*8	*8	*8	*7	*6	*5	X	X	X	X	
	21-27 deg	1 *11	*11	*11	*11	*11	*11	*11	*10	*9	*8	*7	*6	X
		2 *11	*11	*11	*11	*11	*9	*8	*6	*5	*4	X	X	
		3 *11	*11	*10	*9	*7	*6	*5	X	X	X	X	X	
	28-45 deg	1 *13	*13	*13	*13	*13	*13	*13	*13	*12	*10	*9	*8	*5
		2 *13	*13	*13	*13	*13	*11	*9	*8	*7	*6	*5	X	
		3 *13	*13	*10	*9	*7	*6	*5	*4	X	X	X	X	
Exposure Category C	9.5-20 deg	1 *8	*8	*8	*8	*7	*6	*5	X	X	X	X	X	
		2 *8	*8	*8	*7	*6	*5	X	X	X	X	X		
		3 *8	*8	*7	*6	*5	X	X	X	X	X	X		
	21-27 deg	1 *11	*11	*11	*11	*10	*8	*7	*6	*5	*4	X	X	
		2 *11	*11	*9	*7	*6	*5	X	X	X	X	X		
		3 *11	*9	*7	*6	*5	X	X	X	X	X	X		
	28-45 deg	1 *13	*13	*13	*13	*13	*11	*9	*8	*7	*6	*5	X	
		2 *13	*13	*11	*9	*7	*6	*5	X	X	X	X		
		3 *11	*9	*7	*6	*5	*4	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1 *9	*9	*9	*7	*6	*5	X	X	X	X	X		
		2 *9	*9	*7	*6	*5	X	X	X	X	X			
		3 *9	*7	*6	*5	X	X	X	X	X	X			
	21-27 deg	1 *12	*12	*11	*9	*8	*7	*6	*5	X	X	X		
		2 *11	*9	*7	*6	*5	X	X	X	X	X			
		3 *9	*7	*6	*5	X	X	X	X	X	X			
	28-45 deg	1 *14	*14	*14	*13	*11	*9	*8	*7	*6	*5	X		
		2 *14	*11	*9	*7	*6	*5	X	X	X	X			
		3 *9	*7	*6	*5	*4	X	X	X	X	X			

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Portrait Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

	Roof Slope	Roof Zone	Basic Wind Speed (mph)																														
			90	100	110	120	130	140	150	160	170	180																					
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1: 20	2: 17	3: 14	1: 20	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X	
		21-27 deg	1: 26	2: 17	3: 14	1: 21	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X	
		28-45 deg	1: 27	2: 20	3: 14	1: 27	2: 16	3: 11	1: 23	2: 13	3: 9	1: 19	2: 11	3: 7	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 10	2: *5	3: *4	1: 8	2: *6	3: *4	1: 7	2: *5	3: X	1: 8	2: *5	3: X	
	Exposure Category C	9.5-20 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: 6	2: X	3: X	1: 5	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
		21-27 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: 6	2: X	3: X	1: 5	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
		28-45 deg	1: 24	2: 14	3: 9	1: 19	2: 11	3: 7	1: 16	2: 9	3: *6	1: 13	2: 7	3: *5	1: 11	2: *6	3: *4	1: 9	2: *5	3: *4	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
	Exposure Category D	9.5-20 deg	1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		21-27 deg	1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		28-45 deg	1: 20	2: 12	3: 8	1: 16	2: 9	3: 6	1: 13	2: 8	3: *5	1: 11	2: *6	3: *4	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	
	Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1: 14	2: 14	3: 14	1: 14	2: 13	3: 11	1: 14	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X
			21-27 deg	1: 20	2: 17	3: 14	1: 20	2: 13	3: 11	1: 17	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X
			28-45 deg	1: 22	2: 20	3: 14	1: 22	2: 16	3: 11	1: 22	2: 13	3: 9	1: 19	2: 11	3: 7	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 10	2: *5	3: *4	1: 8	2: *6	3: *4	1: 7	2: *5	3: X	1: 8	2: *5	3: X
Exposure Category C		9.5-20 deg	1: 14	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		21-27 deg	1: 18	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		28-45 deg	1: 22	2: 14	3: 9	1: 19	2: 11	3: 7	1: 16	2: 9	3: *6	1: 13	2: 7	3: *5	1: 11	2: *6	3: *4	1: 9	2: *5	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
Exposure Category D		9.5-20 deg	1: 14	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		21-27 deg	1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		28-45 deg	1: 20	2: 12	3: 8	1: 16	2: 9	3: 6	1: 13	2: 8	3: *5	1: 11	2: *6	3: *4	1: 9	2: X	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	
Snow 21-30 PSF		Exposure Category B	9.5-20 deg	1: 14	2: 14	3: 14	1: 14	2: 13	3: 11	1: 14	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X
			21-27 deg	1: 16	2: 16	3: 14	1: 16	2: 13	3: 11	1: 14	2: 11	3: 9	1: 14	2: 9	3: 7	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 9	2: *5	3: X	1: 7	2: *5	3: X	1: *6	2: X	3: X	1: *6	2: X	3: X
			28-45 deg	1: 18	2: 18	3: 14	1: 18	2: 16	3: 11	1: 18	2: 13	3: 9	1: 18	2: 11	3: 7	1: 16	2: 9	3: 6	1: 13	2: *6	3: *4	1: 10	2: *5	3: *4	1: 8	2: *6	3: *4	1: 7	2: *5	3: X	1: 8	2: *5	3: X
	Exposure Category C	9.5-20 deg	1: 14	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		21-27 deg	1: 16	2: 12	3: 10	1: 14	2: 9	3: 8	1: 12	2: 7	3: *6	1: 10	2: *6	3: *5	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		28-45 deg	1: 18	2: 14	3: 9	1: 18	2: 11	3: 7	1: 16	2: 9	3: *6	1: 13	2: 7	3: *5	1: 11	2: *6	3: *4	1: 9	2: *5	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	
	Exposure Category D	9.5-20 deg	1: 14	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		21-27 deg	1: 15	2: 10	3: 8	1: 12	2: 8	3: *6	1: 10	2: *6	3: *5	1: 8	2: *5	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	1: X	2: X	3: X	
		28-45 deg	1: 19	2: 12	3: 8	1: 16	2: 9	3: 6	1: 13	2: 8	3: *5	1: 11	2: *6	3: *4	1: 9	2: *5	3: X	1: 8	2: X	3: X	1: 7	2: X	3: X	1: *6	2: X	3: X	1: *5	2: X	3: X	1: X	2: X	3: X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 72 Cell
 SMLT
 OSB
 Portrait
 Ss = 3.00

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	12	12	12	12	12	10	9	7	*6	*6	*6	
		2	12	12	11	9	8	*6	*5	*5	X	X	X	
		3	12	11	9	7	*6	*5	X	X	X	X	X	
	21-27 deg	1	*14	*14	*14	*14	*11	*10	*8	*7	*6	*6	*6	
		2	*14	*13	*11	*9	*7	*6	*5	*5	X	X	X	
		3	*13	*11	*9	*7	*6	*5	X	X	X	X	X	
	28-45 deg	1	*16	*16	*16	*16	*15	*13	*11	*10	*9	*8	*8	
		2	*16	*16	*13	*11	*9	*8	*6	*6	*5	X	X	
		3	*13	*11	*9	*7	*6	*5	*4	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	12	12	12	10	8	7	*6	*5	X	X	X
			2	12	9	7	*6	*5	X	X	X	X	X	X
			3	10	8	*6	*5	X	X	X	X	X	X	X
21-27 deg		1	*14	*14	*11	*9	*8	*7	*6	*5	X	X	X	
		2	*11	*9	*7	*6	*5	X	X	X	X	X	X	
		3	*9	*7	*6	*5	X	X	X	X	X	X	X	
28-45 deg		1	*16	*16	*15	*13	*11	*9	*8	*7	*6	*5	*5	
		2	*14	*11	*9	*7	*6	*5	X	X	X	X	X	
		3	*9	*7	*6	*5	*4	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	12	12	10	8	7	*6	*5	X	X	X	X	
		2	10	8	*6	*5	X	X	X	X	X	X	X	
		3	8	*6	*5	X	X	X	X	X	X	X	X	
	21-27 deg	1	*15	*12	*9	*8	*7	*6	*5	X	X	X	X	
		2	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3	*8	*6	*5	X	X	X	X	X	X	X	X	
	28-45 deg	1	*17	*16	*13	*11	*9	*8	*7	*6	*5	X	X	
		2	*11	*9	*7	*6	*5	X	X	X	X	X	X	
		3	*8	*6	*5	*4	X	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	*10	*10	*10	*10	*10	*10	*8	*7	*6	*6	*6	
		2	*10	*10	*10	*9	*7	*6	*5	*5	X	X	X	
		3	*10	*10	*9	*7	*6	*5	X	X	X	X	X	
	21-27 deg	1	*12	*12	*12	*12	*11	*10	*8	*7	*6	*6	*6	
		2	*12	*12	*11	*9	*7	*6	*5	*5	X	X	X	
		3	*12	*11	*9	*7	*6	*5	X	X	X	X	X	
	28-45 deg	1	*14	*14	*14	*14	*14	*13	*11	*10	*9	*8	*8	
		2	*14	*14	*13	*11	*9	*8	*6	*6	*5	X	X	
		3	*13	*11	*9	*7	*6	*5	*4	*4	X	X	X	
	Exposure Category C	9.5-20 deg	1	*10	*10	*10	*9	*8	*7	*6	*5	X	X	X
			2	*10	*9	*7	*6	*5	X	X	X	X	X	X
			3	*9	*7	*6	*5	X	X	X	X	X	X	X
21-27 deg		1	*12	*12	*11	*9	*8	*7	*6	*5	X	X	X	
		2	*11	*9	*7	*6	*5	X	X	X	X	X	X	
		3	*9	*7	*6	*5	X	X	X	X	X	X	X	
28-45 deg		1	*14	*14	*14	*13	*11	*9	*8	*7	*6	*5	*5	
		2	*14	*11	*9	*7	*6	*5	X	X	X	X	X	
		3	*9	*7	*6	*5	*4	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*11	*11	*9	*8	*7	*6	*5	X	X	X	X	
		2	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3	*8	*6	*5	X	X	X	X	X	X	X	X	
	21-27 deg	1	*13	*12	*9	*8	*7	*6	*5	X	X	X	X	
		2	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3	*8	*6	*5	X	X	X	X	X	X	X	X	
	28-45 deg	1	*15	*15	*13	*11	*9	*8	*7	*6	*5	X	X	
		2	*11	*9	*7	*6	*5	X	X	X	X	X	X	
		3	*8	*6	*5	*4	X	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	*8	*8	*8	*8	*8	*8	*8	*7	*6	*6	*6	
		2	*8	*8	*8	*8	*7	*6	*5	*5	X	X	X	
		3	*8	*8	*8	*7	*6	*5	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*8	*8	*8	*8	*8	*7	*6	*5	X	X	X
			2	*8	*8	*7	*6	*5	X	X	X	X	X	X
			3	*8	*7	*6	*5	X	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*9	*9	*9	*8	*7	*6	*5	X	X	X	X	
		2	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3	*8	*6	*5	X	X	X	X	X	X	X	X	
	21-27 deg	1	*11	*11	*9	*8	*7	*6	*5	X	X	X	X	
		2	*9	*7	*6	*5	X	X	X	X	X	X	X	
		3	*8	*6	*5	X	X	X	X	X	X	X	X	
	28-45 deg	1	*13	*13	*11	*9	*8	*7	*6	*5	X	X	X	
		2	*11	*9	*7	*6	*5	X	X	X	X	X	X	
		3	*8	*6	*5	*4	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 72 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Portrait Module Orientation
 Ss = 3.00 Seismic

All spans are in inches

	Roof Zone	Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	
			2	X	X	X	X	X	X	X	X	X	X	
			3	X	X	X	X	X	X	X	X	X	X	
21-27 deg		1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
28-45 deg		1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*8	*8	*8	*8	*7	*6	*5	X	X	X		
		2	*8	*7	*6	*5	X	X	X	X	X	X		
		3	*8	*6	*5	X	X	X	X	X	X	X		
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X		
		2	X	X	X	X	X	X	X	X	X	X		
		3	X	X	X	X	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg 1	40	40	34	28	24	20	18	15	13	12	
		2	34	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	21-27 deg	1	52	42	34	28	24	20	18	15	13	12	
		2	34	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	28-45 deg	1	55	55	46	38	32	27	24	21	18	16	
		2	41	33	27	22	19	16	14	12	*10	*9	
		3	28	22	18	15	13	11	*9	*8	X	X	
	Exposure Category C	9.5-20 deg	1	37	29	24	20	17	14	12	*10	*9	X
			2	24	19	15	13	*11	*9	X	X	X	X
			3	20	16	13	*10	*9	X	X	X	X	X
21-27 deg		1	37	29	24	20	17	14	12	*10	*9	X	
		2	24	19	15	13	*11	*9	X	X	X	X	
		3	19	16	13	*10	*9	X	X	X	X	X	
28-45 deg		1	49	39	32	27	22	19	17	14	13	*11	
		2	28	23	19	15	13	*11	*9	X	X	X	
		3	19	15	13	*10	*9	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	31	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	21-27 deg	1	31	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	28-45 deg	1	41	33	27	22	19	16	14	12	*10	*9	
		2	24	19	16	13	*11	*9	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg 1	28	28	28	28	24	20	18	15	13	12	
		2	28	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	21-27 deg	1	40	40	34	28	24	20	18	15	13	12	
		2	34	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	28-45 deg	1	44	44	44	38	32	27	24	21	18	16	
		2	41	33	27	22	19	16	14	12	*10	*9	
		3	28	22	18	15	13	11	*9	*8	X	X	
	Exposure Category C	9.5-20 deg	1	28	28	24	20	17	14	12	*10	*9	X
			2	24	19	15	13	*11	*9	X	X	X	X
			3	20	16	13	*10	*9	X	X	X	X	X
21-27 deg		1	37	29	24	20	17	14	12	*10	*9	X	
		2	24	19	15	13	*11	*9	X	X	X	X	
		3	19	16	13	*10	*9	X	X	X	X	X	
28-45 deg		1	44	39	32	27	22	19	17	14	13	*11	
		2	28	23	19	15	13	*11	*9	X	X	X	
		3	19	15	13	*10	*9	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	28	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	21-27 deg	1	31	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	28-45 deg	1	41	33	27	22	19	16	14	12	*10	*9	
		2	24	19	16	13	*11	*9	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg 1	28	28	28	28	24	20	18	15	13	12	
		2	28	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	21-27 deg	1	33	33	33	28	24	20	18	15	13	12	
		2	33	27	22	18	16	13	*11	*10	*9	X	
		3	28	22	18	15	13	*11	*9	X	X	X	
	28-45 deg	1	37	37	37	37	32	27	24	21	18	16	
		2	37	33	27	22	19	16	14	12	*10	*9	
		3	28	22	18	15	13	11	*9	*8	X	X	
	Exposure Category C	9.5-20 deg	1	28	28	24	20	17	14	12	*10	*9	X
			2	24	19	15	13	*11	*9	X	X	X	X
			3	20	16	13	*10	*9	X	X	X	X	X
21-27 deg		1	33	29	24	20	17	14	12	*10	*9	X	
		2	24	19	15	13	*11	*9	X	X	X	X	
		3	19	16	13	*10	*9	X	X	X	X	X	
28-45 deg		1	37	37	32	27	22	19	17	14	13	*11	
		2	28	23	19	15	13	*11	*9	X	X	X	
		3	19	15	13	*10	*9	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	28	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	21-27 deg	1	31	24	20	17	14	12	*10	*9	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	
	28-45 deg	1	39	33	27	22	19	16	14	12	*10	*9	
		2	24	19	16	13	*11	*9	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 60 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Landscape Module Orientation
 Ss = 1.25 Seismic

All spans are in inches

		Basic Wind Speed (mph)												
			90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	24	24	24	24	24	20	18	15	13	12	
		2	24	24	22	18	16	13	*11	*10	*9	X	X	
		3	24	22	18	15	13	*11	*9	X	X	X	X	
	21-27 deg	1	28	28	28	28	24	20	18	15	13	12	12	
		2	28	27	22	18	16	13	*11	*10	*9	X	X	
		3	28	22	18	15	13	*11	*9	X	X	X	X	
	28-45 deg	1	32	32	32	32	32	27	24	21	18	16	16	
		2	32	32	27	22	19	16	14	12	*10	*9	*9	
		3	28	22	18	15	13	11	*9	*8	X	X	X	
	Exposure Category C	9.5-20 deg	1	24	24	24	20	17	14	12	*10	*9	X	X
			2	24	19	15	13	*11	*9	X	X	X	X	X
			3	20	16	13	*10	*9	X	X	X	X	X	X
21-27 deg		1	28	28	24	20	17	14	12	*10	*9	X	X	
		2	24	19	15	13	*11	*9	X	X	X	X	X	
		3	19	16	13	*10	*9	X	X	X	X	X	X	
28-45 deg		1	32	32	32	27	22	19	17	14	13	X	*11	
		2	28	23	19	15	13	*11	*9	X	X	X	X	
		3	19	15	13	*10	*9	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	25	24	20	17	14	12	*10	*9	X	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	20	17	14	12	*10	*9	X	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
	28-45 deg	1	34	33	27	22	19	16	14	12	*10	*9	*9	
		2	24	19	16	13	*11	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	20	20	20	20	20	18	15	13	12	12	
		2	20	20	20	18	15	13	*11	*9	*10	*9	X	
		3	20	20	18	15	13	*11	*9	X	X	X	X	
	21-27 deg	1	25	25	25	25	24	20	18	15	13	12	12	
		2	25	25	22	18	16	13	*11	*10	*9	X	X	
		3	25	22	18	15	13	*11	*9	X	X	X	X	
	28-45 deg	1	28	28	28	28	28	27	24	21	18	16	16	
		2	28	28	27	22	19	16	14	12	*10	*9	*9	
		3	28	22	18	15	13	11	*9	*8	X	X	X	
	Exposure Category C	9.5-20 deg	1	20	20	20	20	17	14	12	*10	*9	X	X
			2	20	19	15	13	*11	*9	X	X	X	X	X
			3	20	16	13	*10	*9	X	X	X	X	X	X
21-27 deg		1	25	25	24	20	17	14	12	*10	*9	X	X	
		2	24	19	15	13	*11	*9	X	X	X	X	X	
		3	19	16	13	*10	*9	X	X	X	X	X	X	
28-45 deg		1	28	28	28	27	22	19	17	14	13	X	*11	
		2	28	23	19	15	13	*11	*9	X	X	X	X	
		3	19	15	13	*10	*9	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	22	22	20	17	14	12	*10	*9	X	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
	21-27 deg	1	26	24	20	17	14	12	*10	*9	X	X	X	
		2	20	16	13	*10	*9	X	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
	28-45 deg	1	30	30	27	22	19	16	14	12	*10	*9	*9	
		2	24	19	16	13	*11	*9	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*17	*17	*17	*17	*17	*17	*17	*15	*13	*12	
		2	*17	*17	*17	*17	*15	*13	*11	*10	*9	X	X	
		3	*17	*17	*17	*15	*12	*11	*9	*11	X	X	X	
	21-27 deg	1	*22	*22	*22	*22	*22	*20	*17	*15	*13	*12	*12	
		2	*22	*22	*22	*18	*15	*13	*11	*10	*9	X	X	
		3	*22	*22	*18	*15	*12	*11	*9	*11	X	X	X	
	28-45 deg	1	*25	*25	*25	*25	*25	*25	*23	*20	*18	*16	*16	
		2	*25	*25	*25	*22	*18	*16	*13	*12	*10	*9	*9	
		3	*25	*22	*18	*15	*12	*11	*9	*8	X	X	X	
	Exposure Category C	9.5-20 deg	1	*17	*17	*17	*17	*16	*14	*12	*10	*9	X	X
			2	*17	*17	*15	*13	*11	*9	X	X	X	X	X
			3	*17	*15	*12	*10	*9	X	X	X	X	X	X
21-27 deg		1	*22	*22	*22	*19	*16	*14	*12	*10	*9	X	X	
		2	*22	*22	*19	*16	*13	*11	*9	X	X	X	X	
		3	*19	*15	*12	*10	*9	X	X	X	X	X	X	
28-45 deg		1	*25	*25	*25	*25	*22	*19	*16	*14	*12	*11	*11	
		2	*25	*22	*18	*15	*13	*11	*9	X	X	X	X	
		3	*19	*15	*12	*10	*9	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	18	18	18	17	14	12	*10	*9	X	X	X	
		2	18	16	13	*10	*9	X	X	X	X	X	X	
		3	16	13	*10	*9	X	X	X	X	X	X	X	
	21-27 deg	1	*23	*23	*19	*16	*14	*12	*10	*9	X	X	X	
		2	*19	*15	*13	*10	*9	X	X	X	X	X	X	
		3	*16	*13	*10	*9	X	X	X	X	X	X	X	
	28-45 deg	1	*27	*26	*26	*22	*18	*16	*14	*12	*10	116 or 120	X	
		2	*23	*19	*15	*13	*11	*9	X	X	X	X	X	
		3	*16	*13	*10	*9	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height
 II Risk Category
 60 Cell Module Size
 SMLT Rail Type
 OSB Deck Type
 Landscape Module Orientation
 Ss = 1.25 Seismic

All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*14	*14	*13	*12
		2	*14	*14	*14	*14	*14	*13	*11	*10	*9	X	
		3	*14	*14	*14	*14	*12	*11	*9	X	X	X	
	21-27 deg	1	*19	*19	*19	*19	*19	*19	*17	*15	*13	*12	*11
		2	*19	*19	*19	*18	*15	*13	*11	*10	*9	X	X
		3	*19	*19	*18	*15	*12	*11	*9	X	X	X	
	28-45 deg	1	*23	*23	*23	*23	*23	*23	*22	*20	*18	*16	*15
		2	*23	*23	*23	*22	*18	*16	*13	*12	*10	*9	X
		3	*23	*22	*18	*15	*12	*11	*9	*8	X	X	
	Exposure Category C	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*12	*10	*9	X
		2	*14	*14	*14	*13	*11	*9	X	X	X	X	
		3	*14	*14	*12	*10	*9	X	X	X	X	X	
21-27 deg	1	*19	*19	*19	*19	*16	*14	*12	*10	*9	X	X	
	2	*19	*18	*15	*13	*11	*9	X	X	X	X		
	3	*19	*15	*12	*10	*9	X	X	X	X	X		
28-45 deg	1	*23	*23	*23	*23	*22	*19	*16	*14	*12	*11	X	
	2	*23	*22	*18	*15	*13	*11	*9	X	X	X		
	3	*19	*15	*12	*10	*9	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*16	*16	*16	*16	*14	*12	*10	*9	X	X	
	2	*16	*15	*13	*10	*9	X	X	X	X	X		
	3	*16	*13	*10	*9	X	X	X	X	X	X		
21-27 deg	1	*21	*21	*19	*16	*14	*12	*10	*9	X	X		
	2	*19	*15	*13	*10	*9	X	X	X	X	X		
	3	*16	*13	*10	*9	X	X	X	X	X	X		
28-45 deg	1	*24	*24	*24	*22	*18	*16	*14	*12	*10	*9	X	
	2	*23	*19	*15	*13	*11	*9	X	X	X	X		
	3	*16	*13	*10	*9	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 72 Cell
 SMLT
 OSB
 Landscape
 Ss = 1.25

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1	39	39	34	28	23	20	17	15	*13	*11	
		2	33	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	21-27 deg	1	50	41	34	28	23	20	17	15	*13	*11	X	
		2	33	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	28-45 deg	1	54	54	45	37	31	27	23	20	18	16	X	
		2	40	32	26	22	18	16	*13	*11	*10	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	36	29	23	19	16	14	*12	*10	X	X	X
			2	23	19	15	*12	*10	X	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	36	29	23	19	16	14	*12	*10	X	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
28-45 deg		1	48	38	31	26	22	19	16	14	*12	*11	X	
		2	28	22	18	15	*12	*11	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	30	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	40	32	26	22	18	16	*13	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1	27	27	27	27	23	20	17	15	*13	*11	
		2	27	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	21-27 deg	1	40	40	34	28	23	20	17	15	*13	*11	X	
		2	33	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	28-45 deg	1	43	43	43	37	31	27	23	20	18	16	X	
		2	40	32	26	22	18	16	*13	*11	*10	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	27	27	23	19	16	14	*12	*10	X	X	X
			2	23	19	15	*12	*10	X	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	36	29	23	19	16	14	*12	*10	X	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
28-45 deg		1	43	38	31	26	22	19	16	14	*12	*11	X	
		2	28	22	18	15	*12	*11	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	27	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	40	32	26	22	18	16	*13	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg	1	27	27	27	27	23	20	17	15	*13	*11	
		2	27	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	21-27 deg	1	33	33	33	28	23	20	17	15	*13	*11	X	
		2	33	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	28-45 deg	1	36	36	36	36	31	27	23	20	18	16	X	
		2	36	32	26	22	18	16	*13	*11	*10	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	27	27	23	19	16	14	*12	*10	X	X	X
			2	23	19	15	*12	*10	X	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	33	29	23	19	16	14	*12	*10	X	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
28-45 deg		1	36	36	31	26	22	19	16	14	*12	*11	X	
		2	28	22	18	15	*12	*11	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	27	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	38	32	26	22	18	16	*13	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 72 Cell
 SMLT
 OSB
 Landscape
 Ss = 1.25

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

			Basic Wind Speed (mph)											
			90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1	23	23	23	23	23	20	17	15	*13	*11	
		2	23	23	22	18	15	*13	*11	X	X	X	X	
		3	23	22	18	15	*12	*10	X	X	X	X	X	
	21-27 deg	1	28	28	28	28	23	20	17	15	*13	*11	*11	
		2	28	27	22	18	15	*13	*11	X	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	X	
	28-45 deg	1	*31	*31	*31	*31	*31	*26	*23	*20	*17	*15	*15	
		2	*31	*31	*25	*21	*18	*15	*13	*11	*10	X	X	
		3	*26	*21	*17	*14	*12	*10	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	23	23	23	19	16	14	*12	*10	X	X	X
			2	23	19	15	*12	*10	X	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	28	28	23	19	16	14	*12	*10	X	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	X	
28-45 deg		1	*31	*31	*31	*25	*21	*18	*16	*14	*12	*11	*11	
		2	*27	*22	*18	*15	*12	*11	X	X	X	X	X	
		3	*18	*15	*12	*10	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	25	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	29	24	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	33	32	26	22	18	16	*13	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1	*19	*19	*19	*19	*19	*19	*17	*15	*13	*11	
		2	*19	*19	*19	*18	*15	*13	*11	X	X	X	X	
		3	*19	*19	*17	*14	*12	*10	X	X	X	X	X	
	21-27 deg	1	*24	*24	*24	*24	*23	*19	*17	*15	*13	*11	*11	
		2	*24	*24	*21	*18	*15	*13	*11	X	X	X	X	
		3	*24	*21	*17	*14	*12	*10	X	X	X	X	X	
	28-45 deg	1	*28	*28	*28	*28	*28	*26	*23	*20	*17	*15	*15	
		2	*28	*28	*25	*21	*18	*15	*13	*11	*10	X	X	
		3	*26	*21	*17	*14	*12	*10	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*19	*19	*19	*19	*16	*14	*12	*10	X	X	X
			2	*19	*18	*15	*12	*10	X	X	X	X	X	X
			3	*19	*15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	*24	*24	*23	*19	*16	*14	*12	*10	X	X	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	X	
		3	*19	*15	*12	*10	X	X	X	X	X	X	X	
28-45 deg		1	*28	*28	*28	*25	*21	*18	*16	*14	*12	*11	*11	
		2	*27	*22	*18	*15	*12	*11	X	X	X	X	X	
		3	*18	*15	*12	*10	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	21	21	19	16	*13	*11	X	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	*26	*23	*19	*16	*13	*11	X	X	X	X	X	
		2	*19	*15	*12	*10	X	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	*29	*29	*25	*21	*18	*15	*13	*12	*10	X	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	X	
		3	*15	*12	*10	X	X	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1	*16	*16	*16	*16	*16	*16	*16	*15	*13	*11	
		2	*16	*16	*16	*16	*15	*13	*11	X	X	X	X	
		3	*16	*16	*16	*16	*14	*12	*10	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*16	*16	*16	*16	*16	*14	*12	*10	X	X	X
			2	*16	*16	*15	*12	*10	X	X	X	X	X	X
			3	*16	*15	*12	*10	X	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*18	*18	*18	*16	*13	*11	X	X	X	X	X	
		2	*18	*15	*12	*10	X	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	*23	*23	*19	*16	*13	*11	X	X	X	X	X	
		2	*19	*15	*12	*10	X	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	X	
	28-45 deg	1	*26	*26	*25	*21	*18	*15	*13	*12	*10	X	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	X	
		3	*15	*12	*10	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 1.25 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	*16	*16	*16	*16	*13	*11	X	X	X	X	X	
		2	*16	*15	*12	*10	X	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft
 II
 60 Cell
 SMLT
 OSB
 Landscape
 Ss = 3.00

Building height Risk Category Module Size Rail Type Deck Type Module Orientation Seismic

All spans are in inches

		Basic Wind Speed (mph)																						
		90	100	110	120	130	140	150	160	170	180													
Snow 1-10 PSF	Exposure Category B	9.5-20 deg	1: 40	2: 34	3: 28	1: 52	2: 42	3: 34	1: 55	2: 41	3: 28	1: 67	2: 54	3: 41	1: 79	2: 64	3: 49	1: 91	2: 74	3: 57	1: 103	2: 84	3: 65	
		21-27 deg	1: 34	2: 27	3: 22	1: 42	2: 34	3: 28	1: 49	2: 39	3: 28	1: 58	2: 46	3: 34	1: 69	2: 54	3: 41	1: 81	2: 64	3: 49	1: 93	2: 74	3: 57	
			28-45 deg	1: 28	2: 22	3: 18	1: 34	2: 27	3: 22	1: 41	2: 33	3: 22	1: 49	2: 39	3: 28	1: 58	2: 46	3: 34	1: 69	2: 54	3: 41	1: 81	2: 64	3: 49
				2: 34	3: 27	3: 22	2: 42	3: 34	3: 28	2: 55	3: 41	3: 28	2: 67	3: 54	3: 41	2: 79	3: 64	3: 49	2: 91	3: 74	3: 57	2: 103	3: 84	3: 65
		Exposure Category C	9.5-20 deg	1: 37	2: 24	3: 20	1: 49	2: 39	3: 28	1: 61	2: 49	3: 37	1: 73	2: 58	3: 45	1: 85	2: 68	3: 55	1: 97	2: 78	3: 65	1: 109	2: 88	3: 73
			21-27 deg	1: 29	2: 19	3: 16	1: 39	2: 28	3: 23	1: 51	2: 41	3: 31	1: 63	2: 51	3: 41	1: 75	2: 60	3: 49	1: 87	2: 68	3: 57	1: 99	2: 78	3: 65
	28-45 deg			1: 24	2: 19	3: 15	1: 31	2: 23	3: 19	1: 39	2: 31	3: 23	1: 49	2: 39	3: 28	1: 59	2: 46	3: 34	1: 69	2: 54	3: 41	1: 79	2: 64	3: 49
				2: 24	3: 16	3: 13	2: 31	3: 23	3: 19	2: 41	3: 31	3: 23	2: 51	3: 41	3: 28	2: 61	3: 46	3: 34	2: 71	3: 54	3: 41	2: 81	3: 64	3: 49
	Exposure Category D		9.5-20 deg	1: 31	2: 20	3: 16	1: 41	2: 33	3: 23	1: 51	2: 41	3: 31	1: 61	2: 51	3: 41	1: 71	2: 58	3: 45	1: 81	2: 68	3: 55	1: 91	2: 78	3: 65
			21-27 deg	1: 24	2: 16	3: 13	1: 31	2: 23	3: 19	1: 39	2: 31	3: 23	1: 49	2: 39	3: 28	1: 59	2: 46	3: 34	1: 69	2: 54	3: 41	1: 79	2: 64	3: 49
		2: 20		3: 16	3: 13	2: 24	3: 19	3: 15	2: 31	3: 23	3: 19	2: 39	3: 28	3: 23	2: 49	3: 34	3: 28	2: 59	3: 41	3: 34	2: 69	3: 54	3: 41	
	28-45 deg	1: 16		2: 13	3: 10	1: 21	2: 16	3: 13	1: 27	2: 21	3: 16	1: 34	2: 27	3: 21	1: 41	2: 31	3: 23	1: 49	2: 39	3: 28	1: 57	2: 46	3: 34	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg	1: 28	2: 28	3: 28	1: 40	2: 40	3: 40	1: 52	2: 52	3: 52	1: 64	2: 64	3: 64	1: 76	2: 76	3: 76	1: 88	2: 88	3: 88	1: 100	2: 100	3: 100	
		21-27 deg	1: 40	2: 40	3: 40	1: 52	2: 52	3: 52	1: 64	2: 64	3: 64	1: 76	2: 76	3: 76	1: 88	2: 88	3: 88	1: 100	2: 100	3: 100	1: 112	2: 112	3: 112	
			28-45 deg	1: 44	2: 44	3: 44	1: 55	2: 55	3: 55	1: 66	2: 66	3: 66	1: 77	2: 77	3: 77	1: 88	2: 88	3: 88	1: 99	2: 99	3: 99	1: 110	2: 110	3: 110
				2: 28	3: 28	3: 28	2: 40	3: 40	3: 40	2: 52	3: 52	3: 52	2: 64	3: 64	3: 64	2: 76	3: 76	3: 76	2: 88	3: 88	3: 88	2: 100	3: 100	3: 100
		Exposure Category C	9.5-20 deg	1: 28	2: 24	3: 20	1: 37	2: 29	3: 23	1: 46	2: 37	3: 31	1: 55	2: 46	3: 39	1: 64	2: 55	3: 45	1: 73	2: 64	3: 55	1: 82	2: 73	3: 65
			21-27 deg	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49	1: 79	2: 69	3: 59
	28-45 deg			1: 19	2: 16	3: 13	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49
				2: 24	3: 16	3: 13	2: 31	3: 24	3: 19	2: 39	3: 31	3: 24	2: 49	3: 39	3: 31	2: 59	3: 49	3: 39	2: 69	3: 59	3: 49	2: 79	3: 69	3: 59
	Exposure Category D		9.5-20 deg	1: 28	2: 20	3: 16	1: 37	2: 28	3: 23	1: 46	2: 37	3: 31	1: 55	2: 46	3: 39	1: 64	2: 55	3: 45	1: 73	2: 64	3: 55	1: 82	2: 73	3: 65
			21-27 deg	1: 20	2: 16	3: 13	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49
		28-45 deg		1: 16	2: 13	3: 10	1: 21	2: 16	3: 13	1: 27	2: 21	3: 16	1: 34	2: 27	3: 21	1: 41	2: 31	3: 23	1: 49	2: 39	3: 28	1: 57	2: 46	3: 34
	Snow 21-30 PSF	Exposure Category B		9.5-20 deg	1: 28	2: 28	3: 28	1: 40	2: 40	3: 40	1: 52	2: 52	3: 52	1: 64	2: 64	3: 64	1: 76	2: 76	3: 76	1: 88	2: 88	3: 88	1: 100	2: 100
21-27 deg			1: 40	2: 40	3: 40	1: 52	2: 52	3: 52	1: 64	2: 64	3: 64	1: 76	2: 76	3: 76	1: 88	2: 88	3: 88	1: 100	2: 100	3: 100	1: 112	2: 112	3: 112	
			28-45 deg	1: 44	2: 44	3: 44	1: 55	2: 55	3: 55	1: 66	2: 66	3: 66	1: 77	2: 77	3: 77	1: 88	2: 88	3: 88	1: 99	2: 99	3: 99	1: 110	2: 110	3: 110
				2: 28	3: 28	3: 28	2: 40	3: 40	3: 40	2: 52	3: 52	3: 52	2: 64	3: 64	3: 64	2: 76	3: 76	3: 76	2: 88	3: 88	3: 88	2: 100	3: 100	3: 100
Exposure Category C			9.5-20 deg	1: 28	2: 24	3: 20	1: 37	2: 29	3: 23	1: 46	2: 37	3: 31	1: 55	2: 46	3: 39	1: 64	2: 55	3: 45	1: 73	2: 64	3: 55	1: 82	2: 73	3: 65
			21-27 deg	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49	1: 79	2: 69	3: 59
		28-45 deg		1: 19	2: 16	3: 13	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49
				2: 24	3: 16	3: 13	2: 31	3: 24	3: 19	2: 39	3: 31	3: 24	2: 49	3: 39	3: 31	2: 59	3: 49	3: 39	2: 69	3: 59	3: 49	2: 79	3: 69	3: 59
		Exposure Category D	9.5-20 deg	1: 28	2: 20	3: 16	1: 37	2: 28	3: 23	1: 46	2: 37	3: 31	1: 55	2: 46	3: 39	1: 64	2: 55	3: 45	1: 73	2: 64	3: 55	1: 82	2: 73	3: 65
			21-27 deg	1: 20	2: 16	3: 13	1: 24	2: 19	3: 16	1: 31	2: 24	3: 19	1: 39	2: 31	3: 24	1: 49	2: 39	3: 31	1: 59	2: 49	3: 39	1: 69	2: 59	3: 49
28-45 deg				1: 16	2: 13	3: 10	1: 21	2: 16	3: 13	1: 27	2: 21	3: 16	1: 34	2: 27	3: 21	1: 41	2: 31	3: 23	1: 49	2: 39	3: 28	1: 57	2: 46	3: 34

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)																																	
		90	100	110	120	130	140	150	160	170	180																								
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1: 24	24	24	24	24	20	18	15	13	12	2: 24	24	22	18	16	13	*11	*10	*9	X	3: 24	22	18	15	13	*11	*9	X	X	X			
		21-27 deg	1: 28	28	28	28	28	24	20	18	15	13	12	2: 28	27	22	18	16	13	*11	*10	*9	X	3: 28	22	18	15	13	*11	*9	X	X	X		
		28-45 deg	1: 32	32	32	32	32	32	27	24	21	18	16	2: 32	32	27	22	19	16	14	12	*10	*9	3: 28	22	18	15	13	*9	*8	X	X	X		
	Exposure Category C	9.5-20 deg	1: 24	24	24	24	20	17	14	12	*10	*9	X	2: 24	19	15	13	*11	*9	X	X	X	X	3: 20	16	13	*10	*9	X	X	X	X	X		
		21-27 deg	1: 28	28	24	20	17	14	12	*10	*9	X	X	2: 24	19	15	13	*11	*9	X	X	X	X	3: 19	16	13	*10	*9	X	X	X	X	X		
		28-45 deg	1: 32	32	32	27	22	19	17	14	13	*11	*11	2: 28	23	19	15	13	*11	*9	X	X	X	3: 19	15	13	*10	*9	X	X	X	X	X		
		Exposure Category D	9.5-20 deg	1: 25	24	20	17	14	12	*10	*9	X	X	2: 20	16	13	*10	*9	X	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
			21-27 deg	1: 30	24	20	17	14	12	*10	*9	X	X	2: 20	16	13	*10	*9	X	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
			28-45 deg	1: 34	33	27	22	19	16	14	12	*10	*9	2: 24	19	16	13	*11	*9	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
			Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1: 20	20	20	20	20	18	15	13	12	2: 20	20	20	18	15	13	*11	*9	*9	X	3: 20	20	18	15	13	*11	*9	X	X	X	
					21-27 deg	1: *25	*25	*25	*25	*23	*20	*17	*15	*13	*12	2: *25	*25	*22	*18	*15	*12	*11	*9	X	X	3: *25	*22	*18	*15	*12	*11	*9	X	X	X
					28-45 deg	1: *28	*28	*28	*28	*28	*28	*27	*23	*20	*18	*16	2: *28	*28	*26	*22	*18	*15	*12	*10	*9	X	3: *27	*22	*18	*15	*12	*11	*9	*8	X
Exposure Category C	9.5-20 deg			1: 20	20	20	20	17	14	12	*10	*9	X	2: 20	19	15	13	*11	*9	X	X	X	X	3: 20	16	13	*10	*9	X	X	X	X	X		
	21-27 deg			1: *25	*25	*23	*19	*16	*14	*12	*10	*9	X	2: *23	*18	*15	*13	*11	*9	X	X	X	X	3: *19	*15	*12	*10	*9	X	X	X	X	X		
	28-45 deg			1: *28	*28	*28	*26	*22	*19	*16	*14	*12	*11	2: *28	*22	*18	*15	*13	*11	*9	X	X	X	3: *19	*15	*12	*10	*9	X	X	X	X	X		
	Exposure Category D	9.5-20 deg		1: 22	22	20	17	14	12	*10	*9	X	X	2: 20	16	13	*10	*9	X	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
		21-27 deg		1: 26	24	20	17	14	12	*10	*9	X	X	2: 20	16	13	*10	*9	X	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
		28-45 deg		1: 30	30	27	22	19	16	14	12	*10	*9	2: 24	19	16	13	*11	*9	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
		Snow 51-60 PSF		Exposure Category B	9.5-20 deg	1: *17	*17	*17	*17	*17	*17	*17	*15	*13	*12	2: *17	*17	*17	*17	*15	*13	*11	*10	*9	X	3: *17	*17	*17	*15	*13	*11	*9	X	X	X
					21-27 deg	1: *22	*22	*22	*22	*22	*20	*17	*15	*13	*12	2: *22	*22	*22	*18	*15	*12	*11	*9	X	X	3: *22	*22	*18	*15	*12	*11	*9	X	X	X
					28-45 deg	1: *25	*25	*25	*25	*25	*25	*23	*20	*18	*16	2: *25	*25	*25	*22	*18	*15	*12	*10	*9	X	3: *25	*22	*18	*15	*12	*11	*9	*8	X	X
Exposure Category C			9.5-20 deg	1: *17	*17	*17	*17	*16	*14	*12	*10	*9	X	2: *17	*17	*15	*13	*11	*9	X	X	X	X	3: *17	*15	*12	*10	*9	X	X	X	X	X		
			21-27 deg	1: *22	*22	*22	*19	*16	*14	*12	*10	*9	X	2: *22	*22	*22	*19	*16	*14	*12	*10	*9	X	3: *22	*18	*15	*13	*11	*9	X	X	X	X		
			28-45 deg	1: *25	*25	*25	*25	*22	*19	*16	*14	*12	*11	2: *25	*25	*25	*22	*18	*15	*13	*11	*9	X	3: *19	*15	*12	*10	*9	X	X	X	X	X		
	Exposure Category D		9.5-20 deg	1: 18	18	18	17	14	12	*10	*9	X	X	2: 18	16	13	*10	*9	X	X	X	X	X	3: 16	13	*10	*9	X	X	X	X	X	X		
			21-27 deg	1: *23	*23	*19	*16	*14	*12	*10	*9	X	X	2: *19	*15	*13	*10	*9	X	X	X	X	X	3: *16	*13	*10	*9	X	X	X	X	X	X		
			28-45 deg	1: *27	*27	*26	*22	*18	*16	*14	*12	*10	*9	2: *23	*19	*15	*13	*11	*9	X	X	X	X	3: *16	*13	*10	*9	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	60 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*14	*14	*14	*13	*12
			2	*14	*14	*14	*14	*14	*14	*13	*11	*10	*9	X
			3	*14	*14	*14	*14	*12	*11	*9	X	X	X	X
		21-27 deg	1	*19	*19	*19	*19	*19	*19	*17	*15	*13	*12	*11
			2	*19	*19	*19	*18	*15	*13	*11	*10	*9	X	X
			3	*19	*19	*18	*15	*12	*11	*9	X	X	X	X
		28-45 deg	1	*23	*23	*23	*23	*23	*23	*22	*20	*18	*16	*15
			2	*23	*23	*23	*22	*18	*16	*13	*12	*10	*9	X
			3	*23	*22	*18	*15	*12	*11	*9	*8	X	X	X
	Exposure Category C	9.5-20 deg	1	*14	*14	*14	*14	*14	*14	*12	*10	*9	X	
			2	*14	*14	*14	*13	*11	*9	X	X	X	X	
			3	*14	*14	*12	*10	*9	X	X	X	X	X	
21-27 deg		1	*19	*19	*19	*19	*16	*14	*12	*10	*9	X		
		2	*19	*18	*15	*13	*11	*9	X	X	X	X		
		3	*19	*15	*12	*10	*9	X	X	X	X	X		
28-45 deg		1	*23	*23	*23	*23	*22	*19	*16	*14	*12	*11		
		2	*23	*22	*18	*15	*13	*11	*9	X	X	X		
		3	*19	*15	*12	*10	*9	X	X	X	X	X		
Exposure Category D	9.5-20 deg	1	*16	*16	*16	*16	*14	*12	*10	*9	X	X		
		2	*16	*15	*13	*10	*9	X	X	X	X	X		
		3	*16	*13	*10	*9	X	X	X	X	X	X		
	21-27 deg	1	*21	*21	*19	*16	*14	*12	*10	*9	X	X		
		2	*19	*15	*13	*10	*9	X	X	X	X	X		
		3	*16	*13	*10	*9	X	X	X	X	X	X		
	28-45 deg	1	*24	*24	*24	*22	*18	*16	*14	*12	*10	*9		
		2	*23	*19	*15	*13	*11	*9	X	X	X	X		
		3	*16	*13	*10	*9	X	X	X	X	X	X		

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 1-10 PSF	Exposure Category B	9.5-20 deg 1	39	39	34	28	23	20	17	15	*13	*11	
		2	33	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	21-27 deg	1	50	41	34	28	23	20	17	15	*13	*11	
		2	33	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	28-45 deg	1	54	44	45	37	31	27	23	20	18	16	
		2	40	32	26	22	18	16	*13	*11	*10	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	36	29	23	19	16	14	*12	*10	X	X
			2	23	19	15	*12	*10	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X
21-27 deg		1	36	29	23	19	16	14	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
28-45 deg		1	48	38	31	26	22	19	16	14	*12	*11	
		2	28	22	18	15	*12	*11	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	30	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	28-45 deg	1	40	32	26	22	18	16	*13	*12	*10	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
Snow 11-20 PSF	Exposure Category B	9.5-20 deg 1	27	27	27	27	23	20	17	15	*13	*11	
		2	27	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	21-27 deg	1	40	40	34	28	23	20	17	15	*13	*11	
		2	33	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	28-45 deg	1	43	43	43	37	31	27	23	20	18	16	
		2	40	32	26	22	18	16	*13	*11	*10	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	27	27	23	19	16	14	*12	*10	X	X
			2	23	19	15	*12	*10	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X
21-27 deg		1	36	29	23	19	16	14	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
28-45 deg		1	43	38	31	26	22	19	16	14	*12	*11	
		2	28	22	18	15	*12	*11	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	27	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	28-45 deg	1	40	32	26	22	18	16	*13	*12	*10	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
Snow 21-30 PSF	Exposure Category B	9.5-20 deg 1	27	27	27	27	23	20	17	15	*13	*11	
		2	27	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	21-27 deg	1	33	33	33	28	23	20	17	15	*13	*11	
		2	33	27	22	18	15	*13	*11	X	X	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	28-45 deg	1	36	36	36	36	31	27	23	20	18	16	
		2	36	32	26	22	18	16	*13	*11	*10	X	
		3	27	22	18	15	*12	*10	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	27	27	23	19	16	14	*12	*10	X	X
			2	23	19	15	*12	*10	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X
21-27 deg		1	33	29	23	19	16	14	*12	*10	X	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
28-45 deg		1	36	36	31	26	22	19	16	14	*12	*11	
		2	28	22	18	15	*12	*11	X	X	X	X	
		3	19	15	*12	*10	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	27	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	21-27 deg	1	30	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	28-45 deg	1	38	32	26	22	18	16	*13	*12	*10	X	
		2	23	19	15	*12	*10	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)											
		90	100	110	120	130	140	150	160	170	180		
Snow 31-40 PSF	Exposure Category B	9.5-20 deg	1 23	23	23	23	23	20	17	15	*13	*11	
		2	23	23	22	18	15	*13	*11	X	X	X	
		3	23	22	18	15	*12	*10	X	X	X	X	
	21-27 deg	1	*28	*28	*28	*27	*23	*19	*17	*15	*13	*11	
		2	*28	*26	*21	*18	*15	*13	*11	X	X	X	
		3	*27	*21	*17	*14	*12	*10	X	X	X	X	
	28-45 deg	1	*31	*31	*31	*31	*31	*26	*23	*20	*17	*15	
		2	*31	*31	*25	*21	*18	*15	*13	*11	*10	X	
		3	*26	*21	*17	*14	*12	*10	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	23	23	23	19	16	14	*12	19	X	X
			2	23	19	15	*12	*10	X	X	X	X	X
			3	19	15	*12	*10	X	X	X	X	X	X
21-27 deg		1	*28	*28	*23	*19	*16	*14	*12	*10	X	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	
		3	*19	*15	*12	*10	X	X	X	X	X	X	
28-45 deg		1	*31	*31	*31	*25	*21	*18	*16	*14	*12	*11	
		2	*27	*22	*18	*15	*12	*11	X	X	X	X	
		3	*18	*15	*12	*10	X	X	X	X	X	X	
Snow 41-50 PSF	Exposure Category B	9.5-20 deg	1 25	24	19	16	*13	*11	X	X	X	X	
		2	19	15	*12	*10	X	X	X	X	X	X	
		3	16	*12	*10	X	X	X	X	X	X	X	
	21-27 deg	1	*29	*23	*19	*16	*13	*11	X	X	X	X	
		2	*19	*15	*12	*10	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	
	28-45 deg	1	*33	*31	*25	*21	*18	*15	*13	*12	*10	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	
		3	*15	*12	*10	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*19	*19	*19	*19	*19	*19	*17	*15	*13	*11
			2	*19	*19	*19	*18	*15	*13	*11	X	X	X
			3	*19	*19	*17	*14	*12	*10	X	X	X	X
21-27 deg		1	*24	*24	*24	*24	*23	*19	*17	*15	*13	*11	
		2	*24	*24	*21	*18	*15	*13	*11	X	X	X	
		3	*24	*21	*17	*14	*12	*10	X	X	X	X	
28-45 deg		1	*28	*28	*28	*28	*28	*26	*23	*20	*17	*15	
		2	*28	*28	*25	*21	*18	*15	*13	*11	*10	X	
		3	*26	*21	*17	*14	*12	*10	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*19	*19	*19	*19	*16	*14	*12	*10	X	X	
		2	*19	*18	*15	*12	*10	X	X	X	X	X	
		3	*19	*15	*12	*10	X	X	X	X	X	X	
	21-27 deg	1	*24	*24	*23	*19	*16	*14	*12	*10	X	X	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	
		3	*19	*15	*12	*10	X	X	X	X	X	X	
	28-45 deg	1	*28	*28	*28	*25	*21	*18	*16	*14	*12	*11	
		2	*27	*22	*18	*15	*12	*11	X	X	X	X	
		3	*18	*15	*12	*10	X	X	X	X	X	X	
Snow 51-60 PSF	Exposure Category B	9.5-20 deg	1 *16	*16	*16	*16	*16	*16	*16	*15	*13	*11	
		2	*16	*16	*16	*16	*16	*15	*13	*11	X	X	
		3	*16	*16	*16	*16	*14	*12	*10	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
	Exposure Category C	9.5-20 deg	1	*16	*16	*16	*16	*16	*14	*12	*10	X	X
			2	*16	*16	*15	*12	*10	X	X	X	X	X
			3	*16	*15	*12	*10	X	X	X	X	X	X
21-27 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
28-45 deg		1	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	
Exposure Category D	9.5-20 deg	1	*18	*18	*18	*16	*13	*11	X	X	X	X	
		2	*18	*15	*12	*10	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	
	21-27 deg	1	*23	*23	*19	*16	*13	*11	X	X	X	X	
		2	*19	*15	*12	*10	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	
	28-45 deg	1	*26	*26	*25	*21	*18	*15	*13	*12	*10	125 Or 126	
		2	*23	*18	*15	*12	*10	X	X	X	X	X	
		3	*15	*12	*10	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps

30 ft Building height	II Risk Category	72 Cell Module Size	SMLT Rail Type	OSB Deck Type	Landscape Module Orientation	Ss = 3.00 Seismic
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All spans are in inches

		Basic Wind Speed (mph)												
		90	100	110	120	130	140	150	160	170	180			
Snow 61-70 PSF	Exposure Category B	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
	Exposure Category C	9.5-20 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
		28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X
			2	X	X	X	X	X	X	X	X	X	X	X
			3	X	X	X	X	X	X	X	X	X	X	X
Exposure Category D	9.5-20 deg	1	*16	*16	*16	*16	*13	*11	X	X	X	X	X	
		2	*16	*15	*12	*10	X	X	X	X	X	X	X	
		3	*16	*12	*10	X	X	X	X	X	X	X	X	
	21-27 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	
	28-45 deg	1	X	X	X	X	X	X	X	X	X	X	X	
		2	X	X	X	X	X	X	X	X	X	X	X	
		3	X	X	X	X	X	X	X	X	X	X	X	

*Spans preceded by an asterisk require that Solarmount standard rail is used in combination with Solarmount standard clamps