



June 2, 2017

Mounting Systems, Inc
820 Riverside Parkway
West Sacramento, CA 95605
TEL: (916) 287-2273

Attn.: Mounting Systems Engineering Department,

Re: Engineering Certification for Sigma Pure Ground Mount

PZSE, Inc.-Structural Engineers has reviewed Mounting Systems' span charts for the Sigma Pure Ground Mount in a two panel portrait configuration and a 4 panel landscape configuration. The analysis verifies the capacity of all the racking system components and the dimensions of the concrete pier footing. All information, data and analysis contained within the Mounting System's span charts are based on, and shall comply with Mounting System's Sigma Pure installation manual, technical data sheets, and the following codes:

1. Minimum Design Loads for Buildings and other Structures, ASCE/SEI 7-10
2. 2012 International Building Code, by International Code Council, Inc.
3. 2013 California Building Code, by California Building Standards Commission
4. 2010 Aluminum Design Manual, by The Aluminum Association
5. AISC Steel Manual 14th Edition, American Institute of Steel Construction
6. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES

This letter certifies that the loading criteria and design basis for the Mounting System Sigma Pure Span Charts within the attached Tables 1-10 are in compliance with the above codes.

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

Prepared by:
PZSE, Inc. - Structural Engineers
Roseville, CA





2 Panels Portrait, 0 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20 °	12 in	4.0 ft	6.0 ft	10.5 ft
			18 in	3.0 ft	4.5 ft	11.0 ft
		25 °	12 in	3.5 ft	6.0 ft	9.0 ft
			18 in	3.0 ft	5.0 ft	10.5 ft
		30 °	12 in	3.0 ft	6.0 ft	7.5 ft
			18 in	3.0 ft	5.0 ft	9.5 ft
	120 mph	20 °	12 in	3.0 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.0 ft
		25 °	12 in	4.0 ft	6.0 ft	8.5 ft
			18 in	3.0 ft	5.0 ft	10.0 ft
		30 °	12 in	3.5 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.5 ft
	140 mph	20 °	12 in	3.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
		25 °	12 in	3.0 ft	5.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	6.5 ft
		30 °	12 in	3.0 ft	6.0 ft	4.5 ft
			18 in	3.0 ft	5.0 ft	5.0 ft
		35 °	12 in	3.0 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting systems System Sigma Pure installation manual

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 3 ft

Front-Rear Leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements



2 Panels Portrait, 20 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20 °	12 in	5.0 ft	6.0 ft	10.0 ft
			18 in	3.0 ft	5.0 ft	10.5 ft
		25 °	12 in	4.0 ft	6.0 ft	9.0 ft
			18 in	3.0 ft	5.0 ft	10.5 ft
		30 °	12 in	3.0 ft	6.0 ft	7.5 ft
			18 in	3.0 ft	5.0 ft	9.5 ft
	120 mph	20 °	12 in	3.0 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.0 ft
		25 °	12 in	4.5 ft	6.0 ft	8.0 ft
			18 in	3.0 ft	5.0 ft	10.0 ft
		30 °	12 in	3.5 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.5 ft
	140 mph	20 °	12 in	3.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
		25 °	12 in	3.0 ft	6.0 ft	5.0 ft
			18 in	3.0 ft	5.0 ft	6.0 ft
		30 °	12 in	3.0 ft	6.0 ft	4.5 ft
			18 in	3.0 ft	5.0 ft	5.0 ft
		35 °	12 in	3.0 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting systems System Sigma Pure installation manual

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 3 ft

Front-Rear Leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements



2 Panels Portrait, 40 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20 °	12 in	5.0 ft	6.0 ft	7.5 ft
			18 in	3.0 ft	5.0 ft	9.5 ft
		25 °	12 in	4.5 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	9.0 ft
		30 °	12 in	3.5 ft	6.0 ft	6.5 ft
			18 in	3.0 ft	5.0 ft	8.5 ft
	120 mph	20 °	12 in	3.5 ft	6.0 ft	6.5 ft
			18 in	3.0 ft	5.0 ft	8.0 ft
		25 °	12 in	4.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.5 ft
		30 °	12 in	3.5 ft	6.0 ft	5.5 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
	140 mph	20 °	12 in	3.0 ft	6.0 ft	5.0 ft
			18 in	3.0 ft	5.0 ft	6.0 ft
		25 °	12 in	4.5 ft	6.0 ft	5.5 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
		30 °	12 in	4.0 ft	6.0 ft	5.0 ft
			18 in	3.0 ft	5.0 ft	6.5 ft
		35 °	12 in	3.0 ft	6.0 ft	4.5 ft
			18 in	3.0 ft	5.0 ft	5.0 ft
			12 in	3.0 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft
			12 in	3.0 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting systems System Sigma Pure installation manual

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 3 ft

Front-Rear Leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements



2 Panels Portrait, 60 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20 °	12 in	5.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	8.0 ft
		25 °	12 in	4.5 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.5 ft
		30 °	12 in	4.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.5 ft
	120 mph	20 °	12 in	3.5 ft	6.0 ft	5.5 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
		25 °	12 in	4.5 ft	6.0 ft	5.5 ft
			18 in	3.0 ft	5.0 ft	7.0 ft
		30 °	12 in	3.5 ft	6.0 ft	5.0 ft
			18 in	3.0 ft	5.0 ft	6.0 ft
	140 mph	20 °	12 in	3.5 ft	6.0 ft	5.0 ft
			18 in	3.0 ft	5.0 ft	6.0 ft
		25 °	12 in	4.5 ft	6.0 ft	4.5 ft
			18 in	3.0 ft	5.0 ft	5.5 ft
		30 °	12 in	4.0 ft	6.0 ft	4.5 ft
			18 in	3.0 ft	5.0 ft	5.0 ft
		35 °	12 in	3.5 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	5.0 ft
			12 in	3.5 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft
			12 in	3.5 ft	6.0 ft	4.0 ft
			18 in	3.0 ft	5.0 ft	4.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting systems System Sigma Pure installation manual

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 3 ft

Front-Rear Leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements

2 Panels Portrait	Maximum Rafter Spacing For Sigma Pure Ground Mount With Earth Screws					
	Condition		Snow 0 PSF	Snow 20 PSF	Snow 40 PSF	Snow 60 PSF
	Wind Speed	Tilt	Maximum Rafter Spacing			
105 mph		20°	11.0 ft	10.5 ft	9.5 ft	8.5 ft
		25°	10.5 ft	10.5 ft	9.5 ft	8.5 ft
		30°	10.0 ft	10.0 ft	9.5 ft	8.5 ft
		35°	9.5 ft	9.5 ft	9.5 ft	9.0 ft
120 mph		20°	10.0 ft	10.0 ft	8.5 ft	8.0 ft
		25°	9.5 ft	9.5 ft	8.5 ft	8.0 ft
		30°	8.5 ft	8.5 ft	8.5 ft	8.0 ft
		35°	7.5 ft	7.5 ft	7.5 ft	7.5 ft
140 mph		20°	8.5 ft	8.5 ft	8.0 ft	7.5 ft
		25°	8.0 ft	8.0 ft	8.0 ft	7.5 ft
		30°	6.0 ft	6.0 ft	6.0 ft	6.0 ft
		35°	5.5 ft	5.5 ft	5.5 ft	5.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design layout requirements:

System installation shall follow Mounting Systems Sigma Pure installation manual

System orientation: 2 panels portrait

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 3 ft.

Front-Rear Leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic Design Category D

Earth Screws to be designed by others

4 Panels Landscape, 0 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount				
	Condition		Concrete Pier Sizes		
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth
	Rafter Spacing				
105 mph	20 °		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
120 mph	20°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	3.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
140 mph	20°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	3.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting Systems' Sigma Pure installation manual

System orientation: 4 Panels Landscape

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 2 ft

Front-Rear leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements

4 Panels Landscape, 20 psf Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20°	12 in	5.0 ft	6.0 ft	9.0 ft
			18 in	3.0 ft	5.0 ft	10.5 ft
		25°	12 in	4.0 ft	6.0 ft	8.0 ft
			18 in	3.0 ft	5.0 ft	10.0 ft
		30°	12 in	3.0 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.5 ft
		35°	12 in	3.0 ft	6.0 ft	6.0 ft
18 in			3.0 ft	5.0 ft	7.0 ft	
120 mph	20°	12 in	4.0 ft	6.0 ft	7.5 ft	
		18 in	3.0 ft	5.0 ft	9.5 ft	
	25°	12 in	4.0 ft	6.0 ft	6.5 ft	
		18 in	3.0 ft	5.0 ft	8.0 ft	
	30°	12 in	3.0 ft	6.0 ft	5.5 ft	
		18 in	3.0 ft	5.0 ft	6.5 ft	
	35°	12 in	3.0 ft	6.0 ft	4.5 ft	
		18 in	3.0 ft	5.0 ft	5.5 ft	
140 mph	20°	12 in	4.0 ft	6.0 ft	5.5 ft	
		18 in	3.0 ft	5.0 ft	7.0 ft	
	25°	12 in	3.0 ft	6.0 ft	4.5 ft	
		18 in	3.0 ft	5.0 ft	6.0 ft	
	30°	12 in	3.0 ft	6.0 ft	4.0 ft	
		18 in	3.0 ft	5.0 ft	4.5 ft	
	35°	12 in	3.0 ft	6.0 ft	3.5 ft	
		18 in	3.0 ft	5.0 ft	4.0 ft	

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting Systems' Sigma Pure installation manual

System orientation: 4 Panels Landscape

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 2 ft

Front-Rear leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements

4 Panels Landscape, 40 psf Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount					
	Condition		Concrete Pier Sizes			Rafter Spacing
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth	
	105 mph	20°	12 in	5.0 ft	6.0 ft	7.0 ft
			18 in	3.0 ft	5.0 ft	8.5 ft
		25°	12 in	4.5 ft	6.0 ft	6.5 ft
			18 in	3.0 ft	5.0 ft	8.0 ft
		30°	12 in	4.0 ft	6.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft	7.5 ft
		35°	12 in	3.5 ft	6.0 ft	6.0 ft
18 in			3.0 ft	5.0 ft	7.0 ft	
120 mph	20°	12 in	5.0 ft	6.0 ft	6.0 ft	
		18 in	3.0 ft	5.0 ft	7.5 ft	
	25°	12 in	4.0 ft	6.0 ft	5.5 ft	
		18 in	3.0 ft	5.0 ft	7.0 ft	
	30°	12 in	3.5 ft	6.0 ft	5.0 ft	
		18 in	3.0 ft	5.0 ft	6.5 ft	
	35°	12 in	3.0 ft	6.0 ft	4.5 ft	
		18 in	3.0 ft	5.0 ft	5.5 ft	
140 mph	20°	12 in	5.0 ft	6.0 ft	5.0 ft	
		18 in	3.0 ft	5.0 ft	6.5 ft	
	25°	12 in	4.0 ft	6.0 ft	4.5 ft	
		18 in	3.0 ft	5.0 ft	5.5 ft	
	30°	12 in	3.0 ft	6.0 ft	4.0 ft	
		18 in	3.0 ft	5.0 ft	4.5 ft	
	35°	12 in	3.0 ft	6.0 ft	3.5 ft	
		18 in	3.0 ft	5.0 ft	4.0 ft	

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting Systems' Sigma Pure installation manual

System orientation: 4 Panels Landscape

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 2 ft

Front-Rear leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements

4 Panels Landscape, 60 PSF Snow Load	Maximum Rafter Spacing and Concrete Pier Design For Sigma Pure Ground Mount				
	Condition		Concrete Pier Sizes		
	Wind Speed	Tilt	Pier Diameter	Front Min. Depth	Rear Min Depth
105 mph	20°		12 in	5.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	4.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
120 mph	20°		12 in	5.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	4.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	4.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	3.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
140 mph	20°		12 in	5.0 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	25°		12 in	4.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	30°		12 in	3.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft
	35°		12 in	3.5 ft	6.0 ft
			18 in	3.0 ft	5.0 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design Layout Requirements:

System Installation shall follow Mounting Systems' Sigma Pure installation manual

System orientation: 4 Panels Landscape

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 2 ft

Front-Rear leg spacing: 7.25 ft

Rails are continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic design category D

Soil lateral bearing pressure 150 psf

Concrete Pier depth shall meet minimum frost depth requirements



4 Panels Landscape	Maximum Rafter Spacing For Sigma Pure Ground Mount With Earth Screws					
	Condition		Snow 0 PSF	Snow 20 PSF	Snow 40 PSF	Snow 60 PSF
	Wind Speed	Tilt	Maximum Rafter Spacing			
105 mph		20°	11.0 ft	10.5 ft	9.0 ft	8.0 ft
		25°	10.5 ft	10.0 ft	9.0 ft	8.5 ft
		30°	10.0 ft	10.0 ft	9.0 ft	8.5 ft
		35°	8.5 ft	8.5 ft	8.5 ft	8.5 ft
120 mph		20°	9.5 ft	9.5 ft	8.5 ft	7.5 ft
		25°	9.0 ft	9.0 ft	8.5 ft	8.5 ft
		30°	7.5 ft	7.5 ft	7.5 ft	7.5 ft
		35°	6.5 ft	6.5 ft	6.5 ft	6.5 ft
140 mph		20°	8.5 ft	8.5 ft	7.5 ft	7.0 ft
		25°	7.5 ft	7.5 ft	7.5 ft	7.0 ft
		30°	5.5 ft	5.5 ft	5.5 ft	5.5 ft
		35°	4.5 ft	4.5 ft	4.5 ft	4.5 ft

EW Bay Spacing Span Chart For Mounting System Sigma Pure

Design layout requirements:

System installation shall follow Mounting Systems Sigma Pure installation manual

System orientation: 4 panels landscape

Max panel dimension: 2000 mm x 1046 mm

Max panel weight: 60 lbs

Front edge clearance from ground: 2 ft.

Front-Rear Leg spacing: 7.25 ft.

System is continuous across multiple bays

Applicable Design Codes:

2013 California Building Code

Risk Category I

American Society of Civil Engineers, ASCE 7-10

2010 Aluminum Design Manual

American Institute of Steel Construction AISC 14th Edition

Site Conditions

Exposure category C

Soil site class D

Seismic Design Category D

Earth Screws to be designed by others