

STRUCTURAL EVALUATION & HARDWARE DESIGN RESULTS SUMMARY TABLES

Jobsite Specific Design Criteria

Design Standard		ASCE 7-10	
Risk Category		II	
Ultimate Wind Speed	V-Ult	120 mph	Fig. 1609A
Exposure Category		C	Section 26.7
Ground Snow Load	pg	15.0 psf	Table 7-1

MP Specific Design Information

	MP Name	MP1					
Design Info	Roofing	Comp Roof					
	Standoff	ZS Comp V4 with Flashing Insert					
	Pitch	44°					
	SL/RLL: PV	4.6 psf					
	SL/RLL: Non-PV	12.5 psf					
	Edge Zone Width	5.9 ft					

Standoff Spacing and Layout

	MP Name	MP1						
Landscape	Applied Wind Zone	WZ1						
	Wind Pressure	-16.2 psf						
	X-Spacing	72"						
	X-Cantilever	24"						
	Y-Spacing	41"						
	Y-Cantilever	NA						
	Uplift DCR	67.2%						
	Portrait	X-Spacing	48"					
		X-Cantilever	16"					
		Y-Spacing	74"					
Y-Cantilever		NA						
	Uplift DCR	81.0%						
	Layout	Staggered						

Landscape	Applied Wind Zone	WZ2					
	Wind Pressure	-19.7 psf					
	X-Spacing	72"					
	X-Cantilever	24"					
	Y-Spacing	41"					
	Y-Cantilever	NA					
	Uplift DCR	82.9%					
Portrait	X-Spacing	48"					
	X-Cantilever	16"					
	Y-Spacing	74"					
	Y-Cantilever	NA					
	Uplift DCR	99.8%					
	Layout	Staggered					

Landscape	Applied Wind Zone	WZ3					
	Wind Pressure	-19.7 psf					
	X-Spacing	72"					
	X-Cantilever	24"					
	Y-Spacing	41"					
	Y-Cantilever	NA					
	Uplift DCR	82.9%					
Portrait	X-Spacing	48"					
	X-Cantilever	16"					
	Y-Spacing	74"					
	Y-Cantilever	NA					
	Uplift DCR	99.8%					
	Layout	Staggered					

1. X and Y are maximums that are always relative to the structure framing that supports the PV. X is across framing members and Y is along framing members.
 2. Where present, the green and red hatching in Applied Wind Zone rows corresponds to hatching on the Site Plan page of the plan set.

Structure Qualification Results

	MP Name	MP1					
	Member Evaluation Results	Member Impact Check OK					