Project Report

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/21/17

Project Details

Name Fiske 18 panels
Module SunPower: SPR-E20-327
Dimensions 41.2" x 61.3" x 1.8"
Tilt 45°

Date 2016-12-09
Total Modules 18
Total Watts 5,886
Attachment Pts 36

Load Assumptions

Wind Exposure B
Wind Speed 110 mph
Ground Snow Load 80 psf
Attachment Spacing 4.0 ft

Building Details

Building Height: 40'
Roof Slope 45 °
Risk Category I

Engineering Validation

RAILS

	XR10	XR100	XR1000
TOTAL PROJECT COST		$1,093	
MAX SPAN [portrait]			
Zone 1	3' 7"	5' 3"	6' 9"
Zone 2	3' 7"	5' 3"	6' 9"
Zone 3	3' 7"	5' 3"	6' 9"
MAX CANTILEVER [portrait]			
Zone 1	1' 5"	2' 1"	2' 8"
Zone 2	1' 5"	2' 1"	2' 8"
Zone 3	1' 5"	2' 1"	2' 8"

LOADS

ZONES (portrait)	DOWN ↓ (lbs)	UPLIFT ↑ (lbs)	LATERAL ↔ (lbs)
Zone 1	206.0	-117.0	151.0
Zone 2	206.0	-143.0	151.0
Zone 3	206.0	-143.0	151.0

SubArray Information

Columns	Rows	Orientation	Required Rail	Provided Rail	Attach Pts	UFO Clamps	Splices
6	1	Portrait	20' 11"	1 set of 22.0' [2 x 11']	12	14	2
6	1	Portrait	20' 11"	1 set of 22.0' [2 x 11']	12	14	2
6	1	Portrait	20' 11"	1 set of 22.0' [2 x 11']	12	14	2

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 02/21/17

Weight Details

Total Weight	Weight / Attachment	Distributed Weight
848 lbs	23.6 lbs	2.6 psf