

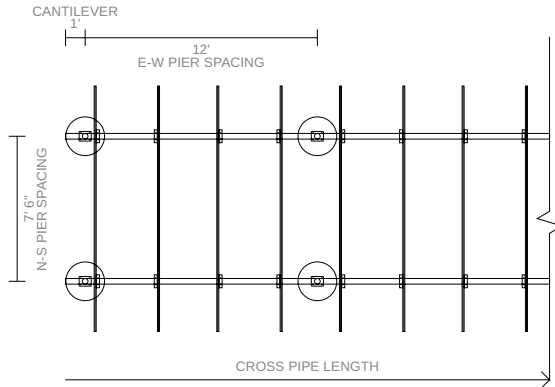
GENERAL NOTES:

- 1.1. DESIGN CONFORMS WITH 2023 BUILDING CODE CRITERIA FOR 170MPH WIND FORCES PER ASCE/SEI 7-22 MINIMUM DESIGN LOADS FOR BUILDING & OTHER STRUCTURES.
- 1.2. WIND EXPOSURE FACTOR C.
- 1.3. RISK CATEGORY II.
- 1.4. IRONRIDGE XR100 RAIL SHALL BE USED TO MOUNT PV MODULES.
- 1.5. XR100 RAIL CANTILEVER SHALL BE NO MORE THAN 40% OF TOTAL SPAN.
- 1.6. PIPE CANTILEVER SHALL BE NO MORE THAN 40% OF MAX E-W PIER SPACING.
- 1.7. MODULES SHALL BE FASTENED USING MID-CLAMPS AND STANDARD END CLAMPS.
- 1.8. CONTRACTOR SHALL CHANGE/ADJUST THIS PLAN TO SATISFY FBC, AHJ, JOBSITE CONSTRAINTS AND OEM DOCUMENTATION AND NOTIFY ENGINEER OF RECORD.
- 1.9. PIPE SHALL BE SCH 40 STEEL

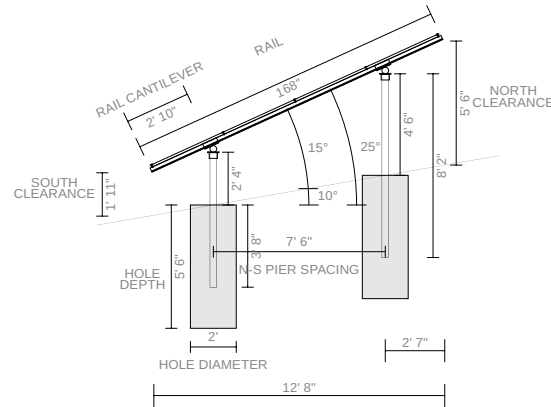
MOUNTING NOTES:

- 1.1. EACH MODULE SHALL HAVE A MIN OF (4) CLAMPS
- 1.2. EACH MODULE SHALL MOUNT TO IRONRIDGE XR100 RAILS
- 1.3. IRONRIDGE XR100 RAILS SHALL MOUNT TO STRUCTURE PER ATTACHMENT DETAILS
- 1.4. DIAGONAL BRACING NOT REQUIRED

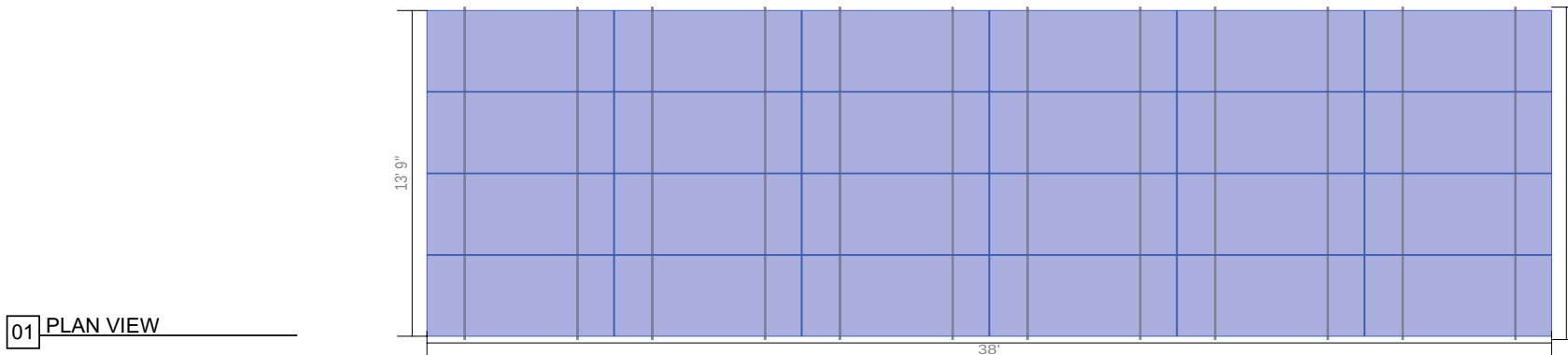
Sub array #1					
Rows	4	Columns	6	# Arrays	1
Area	38' (EW) x 13' 11" (NS)	Rail type	XR100	Diagonal bracing	no
E/W spacing	12'	Rail cantilever	2' 10"	Pipe cantilever	1'
Piers/array	8	Total south piers	4 (6')	Total north piers	4 (8' 2")
Total cross pipes	2 (38')	Total pipe length	132' 11"		
Shear	1,532 lbs	Moment	3,830 ft-lbs	Uplift	-1,994 lbs



01 PIER SPACING



02 GROUND SCREW DETAILS



01 PLAN VIEW

WITHANAGE PERERA

CONTRACTOR:

ENGINEER: CA33343



1646 W SNOW AVE 9 TAMPA, FL 33606



Ryan S Gittens
2024.09.23
18:04:21
-04'00'
RYAN GITTENS
PE90605

DATE	BY	VER	DESCRIPTION
09.16.24	BF	1	INITIAL DESIGN

SP2

PAPER: ARCHB

SCALE: 1"=Nan'

PROJECT ID: 9162024-1306

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