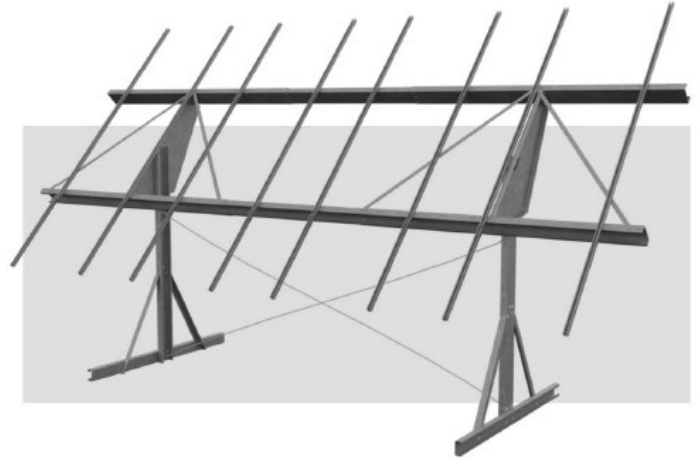


SunRanger Model ST16 - XL

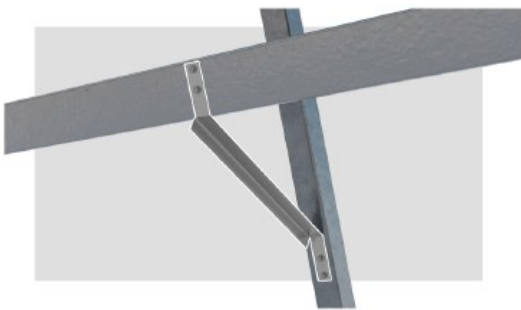
Innovative Seasonally-Adjustable Steel Ground Mount Racking System

- Manufactured from high quality pre-galvanized steel
- Seasonally-adjustable tilt angle
- Mount to screw piles, concrete piles, or concrete ballast
- Ideal for rural or farm locations



The SunRanger™ Model ST16 - XL was developed for small and medium sized solar projects to maximize electricity production without complex tracking systems. The SunRanger will produce 8-15% more electricity than a comparable fixed tilt system.

The heart of the SunRanger™ system, the pivot plate, was designed and rigorously tested to withstand the wind and snow loads prevalent in Canada + USA.



Foundation Options	3 1/2" piles (standard), concrete ballast
Tilt Angles	Summer— 20°, Winter—70°
Purlin and Mounting Structure	Galvanized Steel, ASTM A653 CS Type B, G90
Module Orientation	Landscape
Standard Module Arrangement	16 –72 cell modules (4W x 4H)
Design Standards	National Building Code compliant
Specified Wind Load (70° Tilt)	Wind velocity: 0.50 kPa High wind option 0.70 kPa
Specified Snow Load (20° Tilt)	2.1 kPa (approx. 0.9 meters) (3 feet) / 4.2 kPa enhanced option
Warranty	12 year limited manufacturer warranty, standard
Country of Manufacture	Canada



Unit 2, 34 Wrangler Place SE
 Calgary, Alberta
 Canada T1X 0L7

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SIZE: B 1 OF 1

DWG. NO.

REV 0

UNLESS OTHERWISE SPECIFIED:

1. REMOVE BURRS AND SHARP EDGES. DIMENSIONS ARE IN INCHES.
2. FINISH: MILL
3. CHAMFER SIZE = 0.031" X 45°
4. SURFACE FINISH: 32
5. MACHINE FINISH: 0.003" RA (RMS)
6. INTERPRET GEOMETRIC TOLERANCING XXXX ±0.010
7. PER: ASME Y14.5

SCALE: 1:48

DO NOT SCALE OFF OF DRAWING

MATERIAL

FINISH

SPECIFICATION

APPROVALS

DRAWN BY Rick Delcmont - 26 Nov 17

CHECKED BY RJ Reesor - 19-Dec-17

ENGINEERING APPROVAL

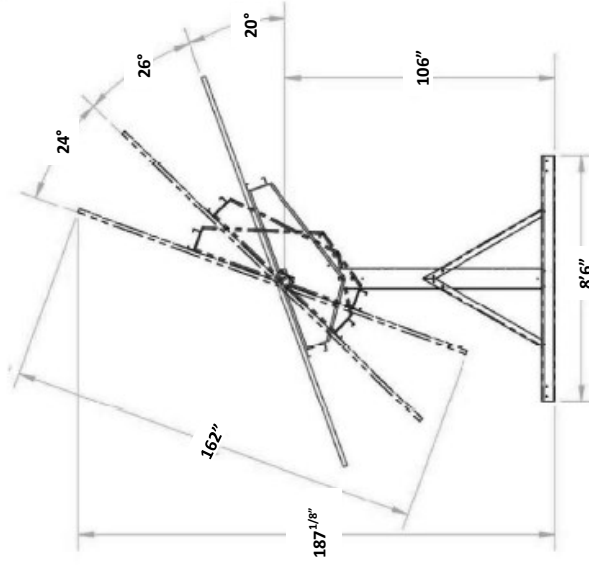
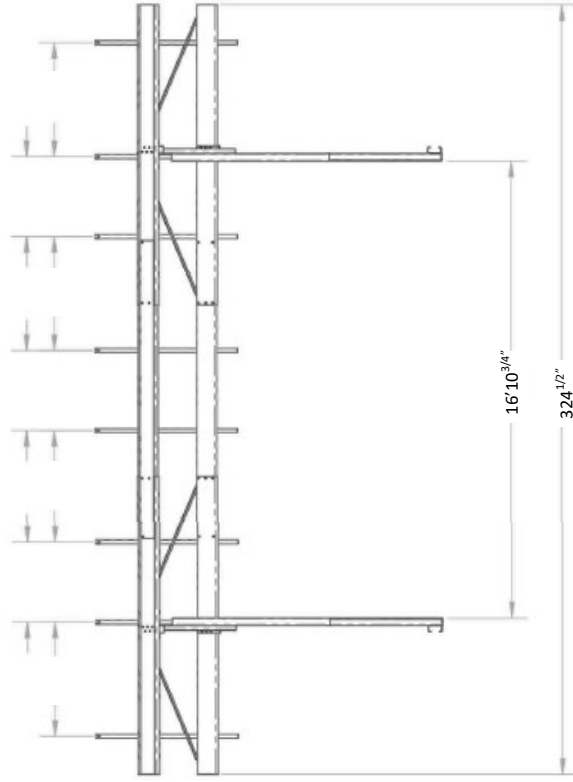
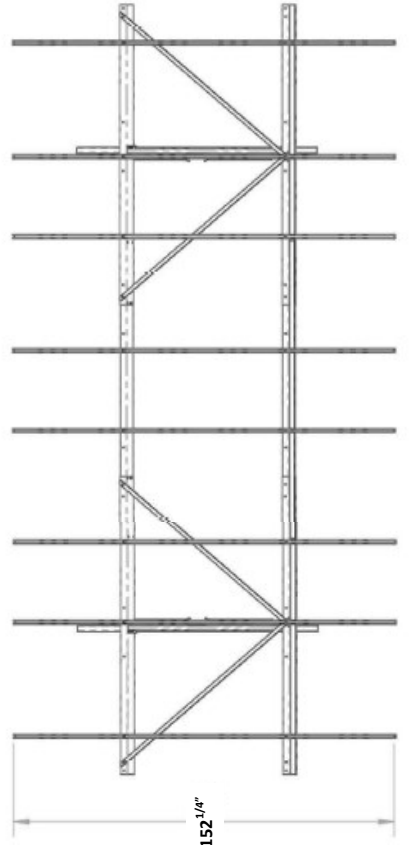
PRT VER 11

DRW VER 15

NOTES



3 4 5 6 7 8



1 2 3 4 5 6 7 8