



Ronald K. Bell

PLANS ARE APPROVED AS SHOWN FOR WIND SPEEDS NOT TO EXCEED 90 MPH AND PANEL ANGLES NOT TO EXCEED 60 DEGREES.

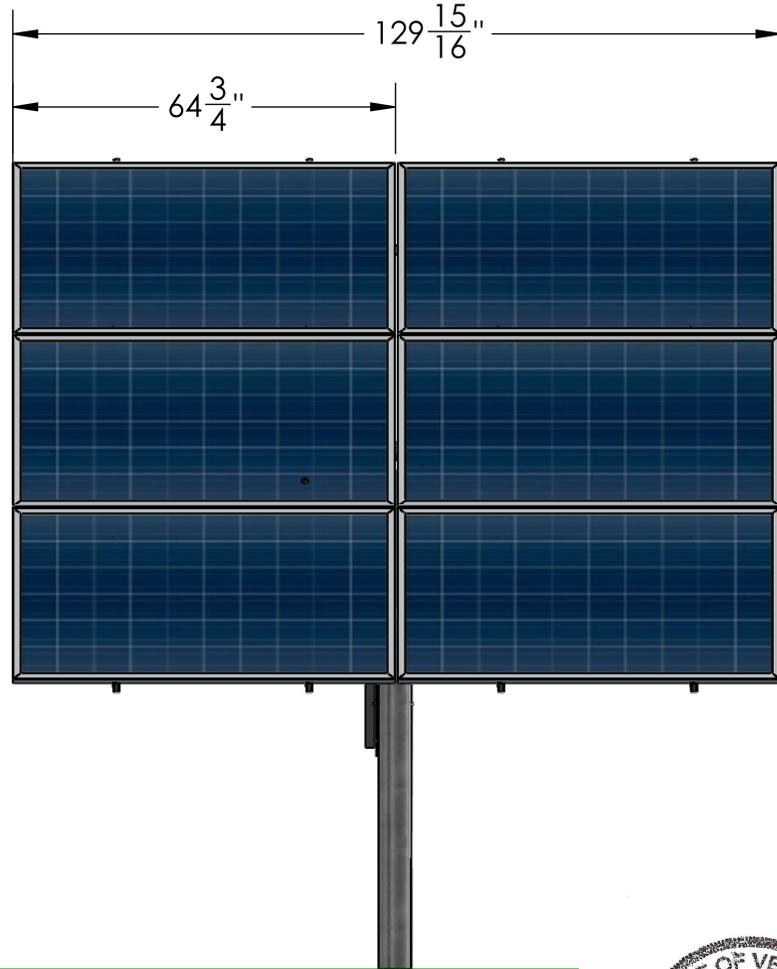
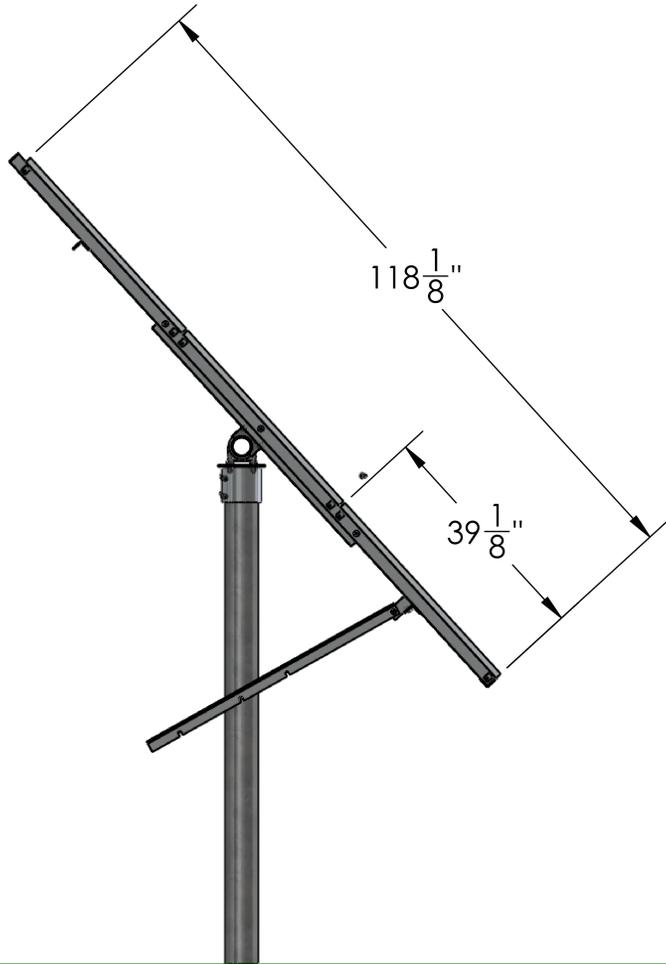


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P.1

Drawn by: EC

6 Panel PV Ground Adjustable Ground Mount

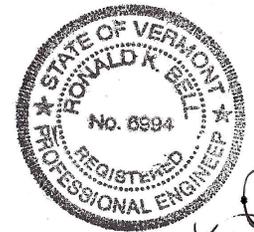


Grade

Left Side Elevation
scale: 1:32

Front view
scale: 1:32

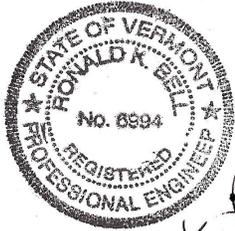
Overall Panel Dimensions



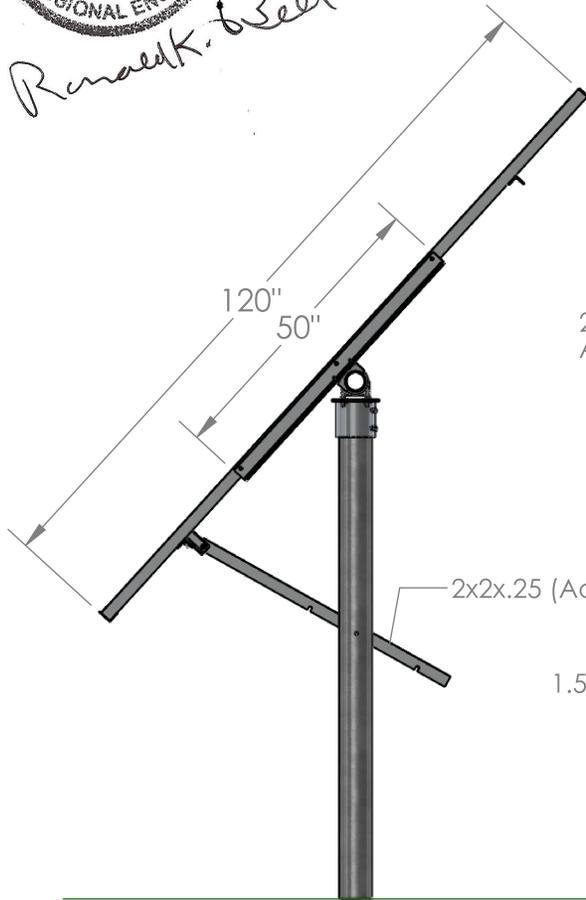
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Notes:
-Panels subject to change but overall dimensions within 1/8"
-Panel weight varies in the realm of 30-40lbs

	101 Sullivan Rd Putney, VT 05346 (802) 869-2500	P.2
	Drawn by: EC 6 Panel PV Ground Adjustable Ground Mount	



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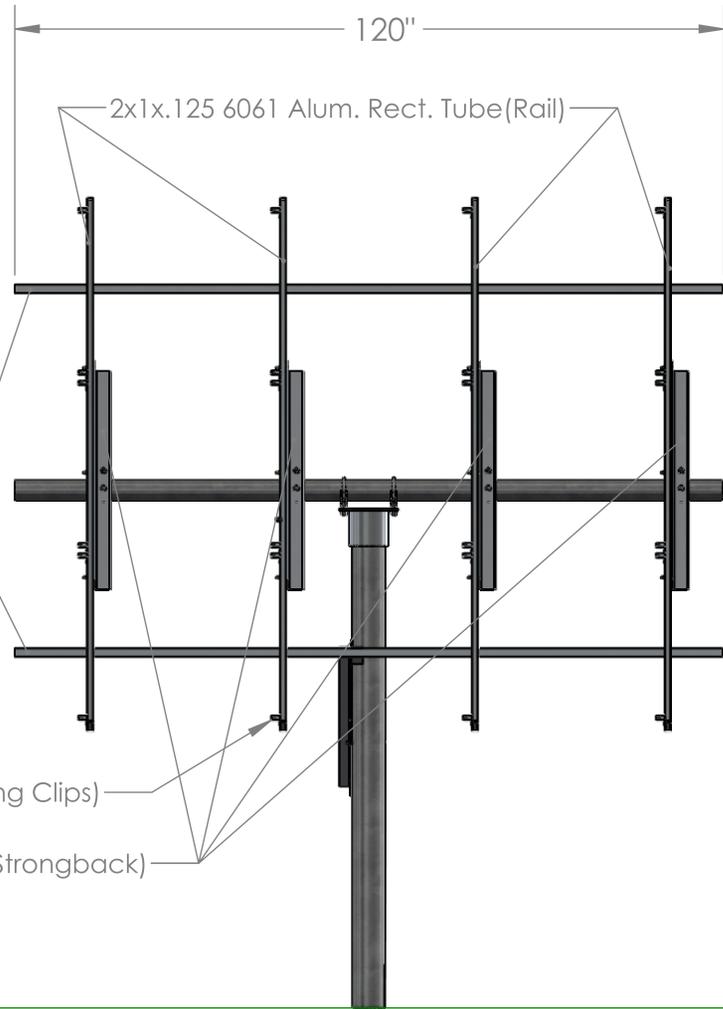
Side Elevation
Scale 1:32

2x2x.25 6061 Aluminum
Angle (Crossbrace)

2x2x.25 (Adjustment Arm) 6061 Alum.

1.5"x1.5"x.125"x1" (Panel Fastening Clips)

3x3x.25 6061 Alum. Angle (Strongback)



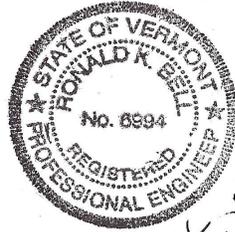
Rack Materials

Front Elevation
Scale 1:32

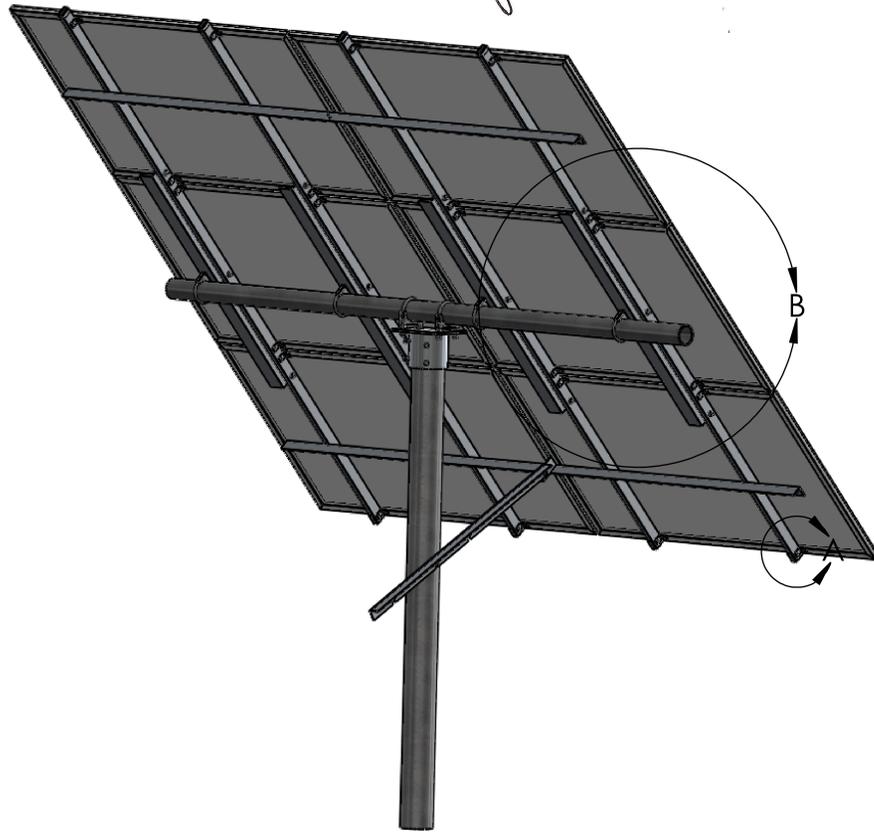
See Page 7 for Strongback detail



101 Sullivan Rd Putney, VT 05346
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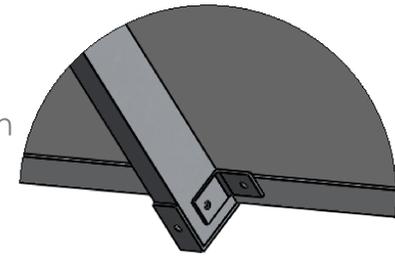
Back 3/4 View
Scale 1:32

Notes:
1. Bottom clip- 1.5x2.5x.25
6061 aluminum

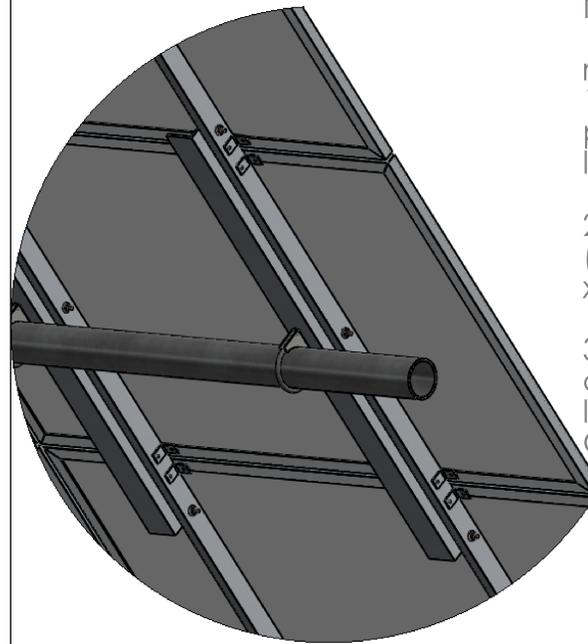
2. Bottom clip attached with
#12 18-8 stainless steel self
tapping screw

3. Panels attached to clips
with 5/16"x1" S.S. Bolts.

*Flat washers and lock
washers used in all bolt
scenarios



DETAIL A
SCALE 1 : 6



DETAIL B
SCALE 1 : 16

Notes:

1. Strong back attached to
rail with (3) 2" grade 5 5/16"-
18 galvanized hex bolts in 3
places all including flat and
lock washers.

2. Clips attached to rail with
(1) 18-8 Stainless steel #12
x1.25" self tapping screw

3. Strongback attached to
crossbar with (1) 6" Custom
length 3/8" Galv. Ubolt and
Galvanized saddle

*Flat washers and
lockwashers used in all bolted
connections TYP.



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Back Elevation Scale: 1:32

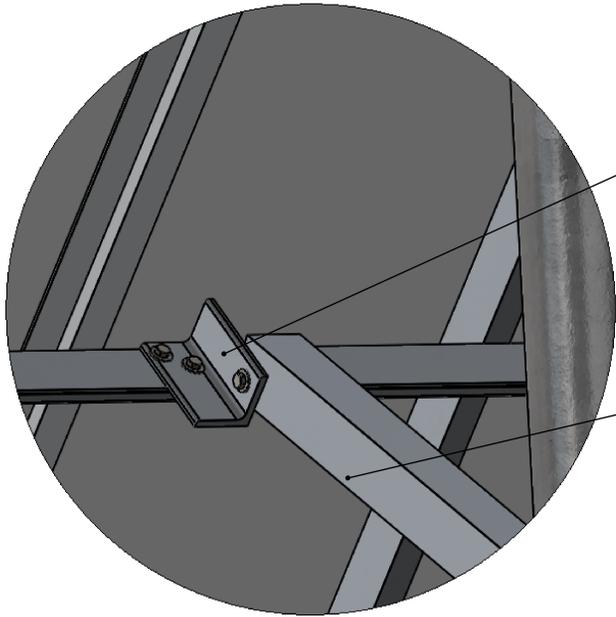


101 Sullivan Rd Putney, VT 05346
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P. 5

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6 Panel PV Ground Adjustable Ground Mount



Adjustment arm connector

Adjustment arm

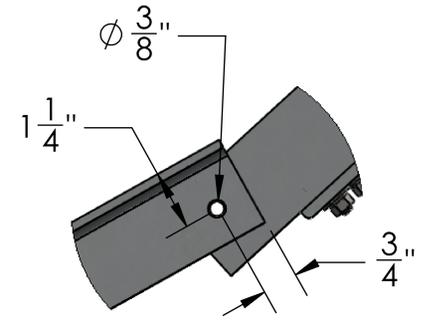
DETAIL F
SCALE 1 : 6



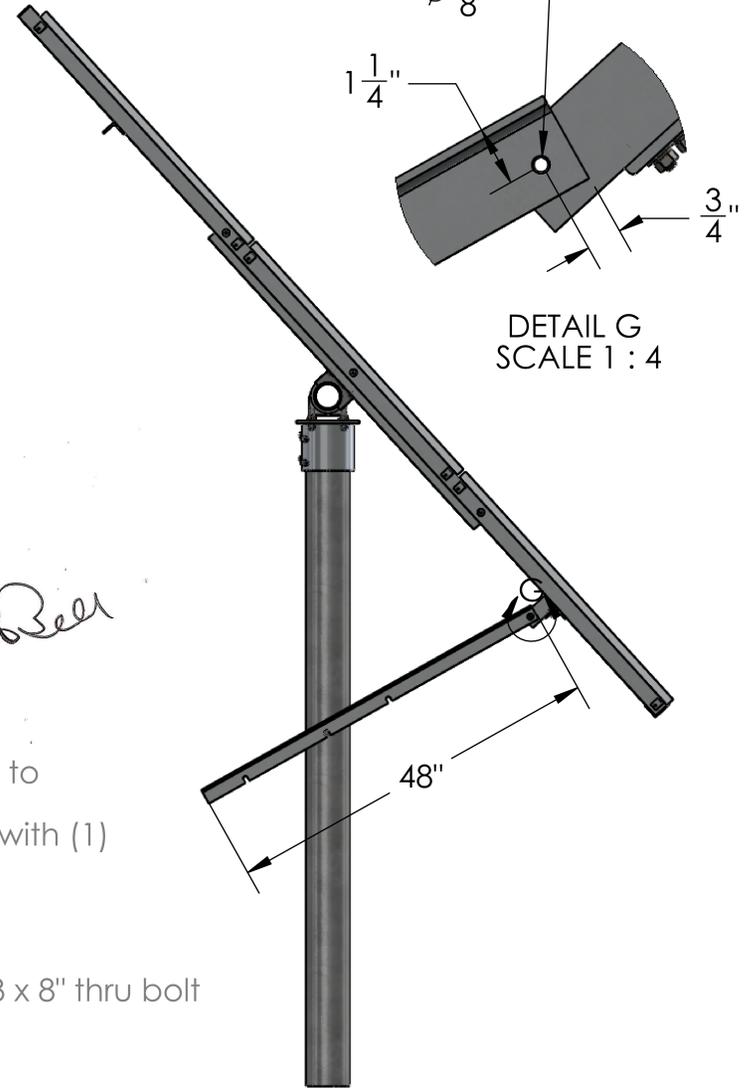
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Notes:

1. Adjustment Arm Connector- 2x2x.25" 6061 Aluminum bolted to crossbrace with (2) 1" Grade 5 $\phi 5/16$ "-18 Galvanized Bolts.
2. Adjustment arm connected to Adjustment arm connector with (1) Grade 5 $\phi 3/8$ "-16 Galvanized bolt and washer set.
3. Adjustment arm notched 1" deep with pattern for degrees precalculated
4. All corners on adj. arm rounded for safety
5. Adjustment arm locks on to mast with (1) Grade 5 $\phi 1/2$ "-13 x 8" thru bolt with nut on the end



DETAIL G
SCALE 1 : 4



Side Elevation
Scale: 1:32



Adjustment Arm and Adjustment Arm Detail

	101 Sullivan Rd Putney, VT 05346 (802) 869-2500	P.6
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