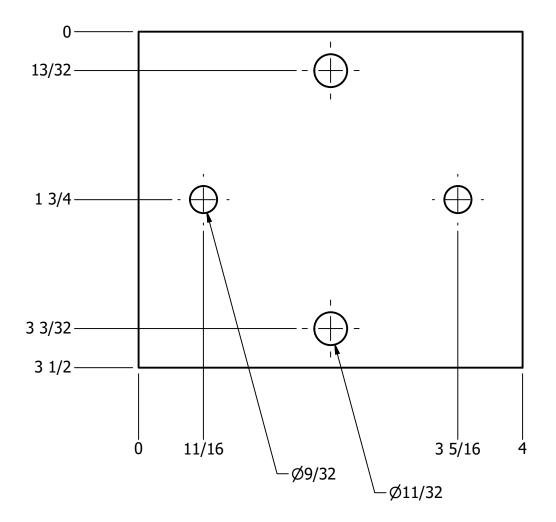
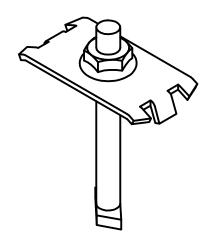


Panel Mount Plate\_EMT, top and bottom Make 18 1/8" Thick Galvanized or Cold Zink paint







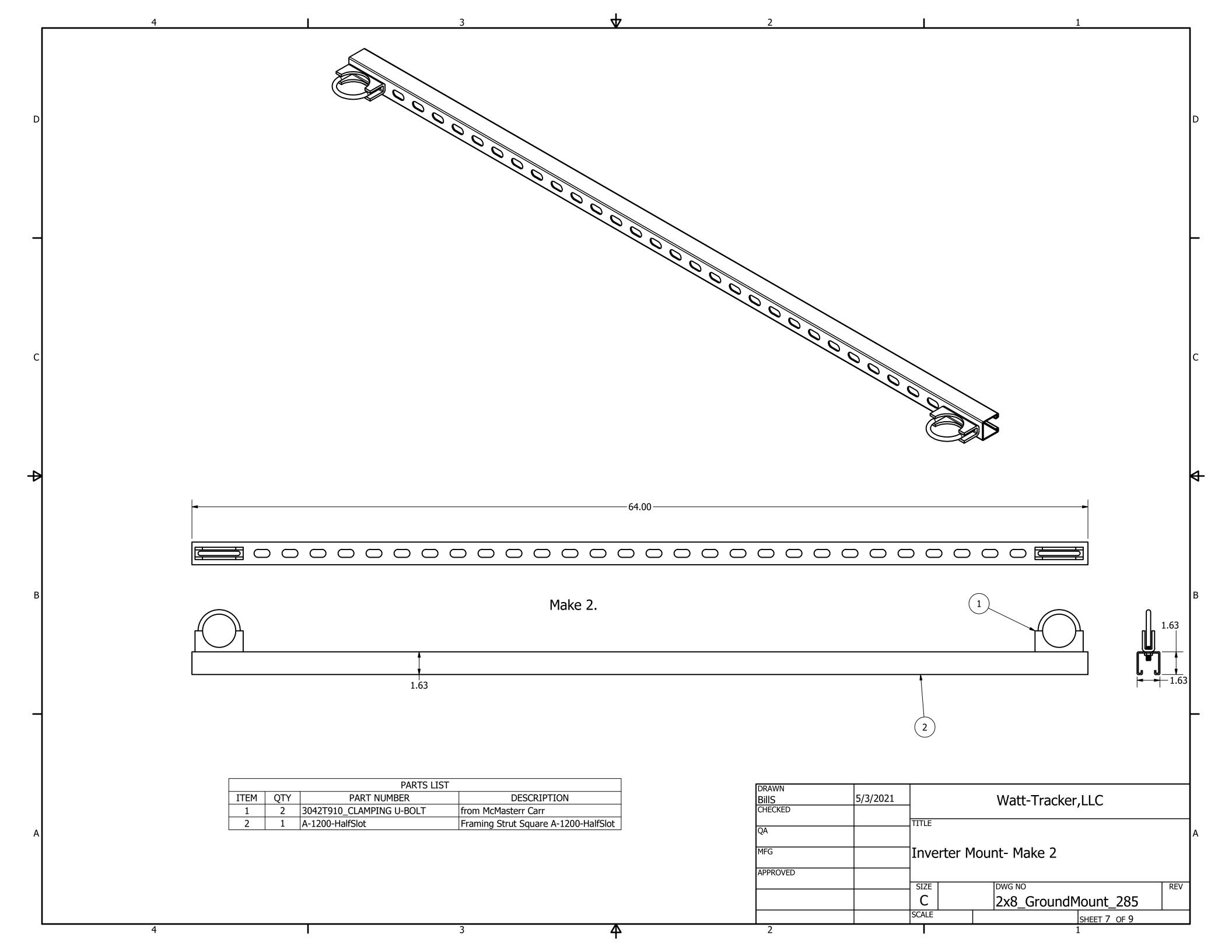
ITEM     QTY     PART NUMBER     DESCRIPTION       1     1     Midclamp_Ironridge	PARTS LIST					
1 1 Midclamp_Ironridge	QTY PART NU	MBER DESCRIPTION				
	1 Midclamp_Ironr	idge				
2 1 Bolt_Midclamp	1 Bolt_Midclamp					
3 1 IFI - I0.25 - 20 Hex Flange Nut	1 IFI - I0.25 - 20	Hex Flange Nut				

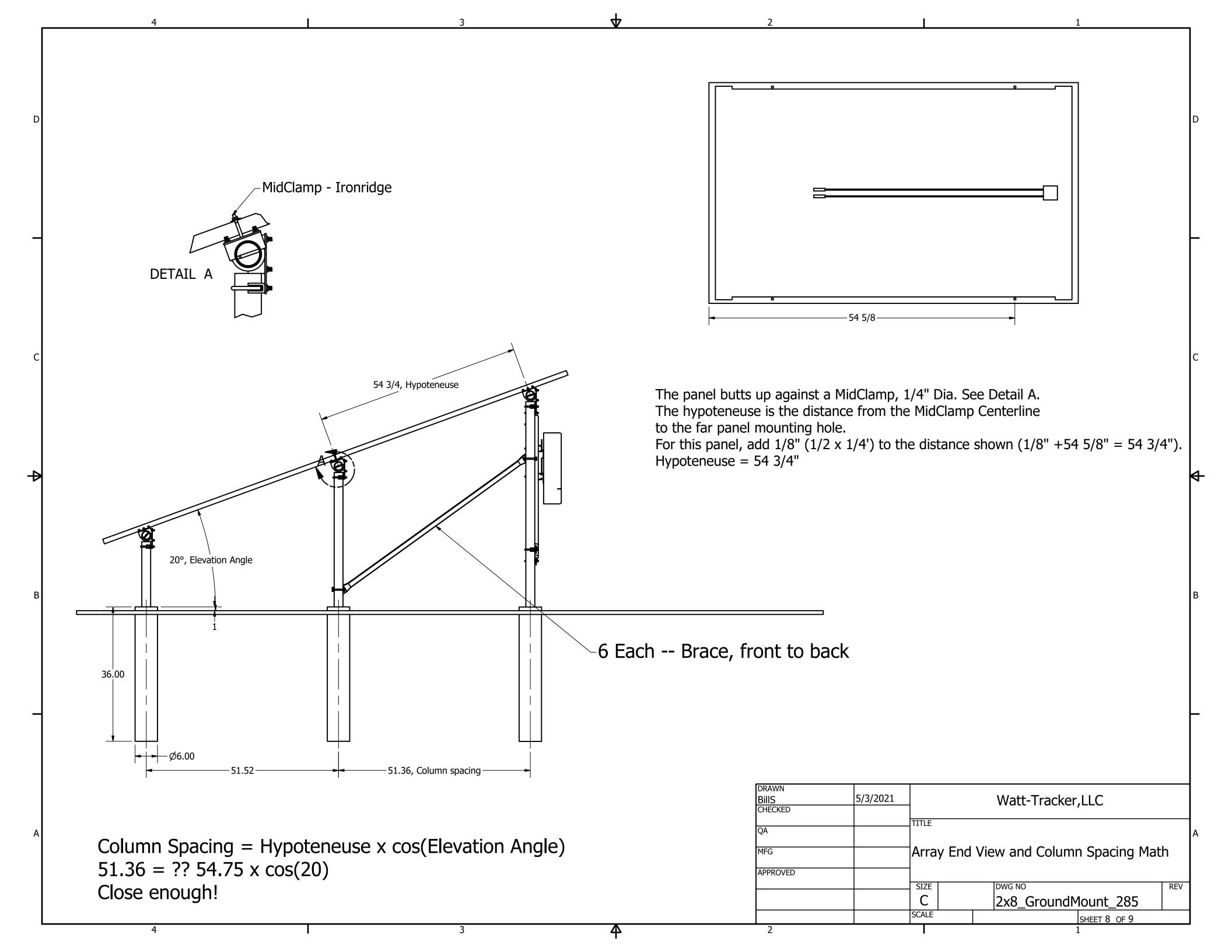
Midclamps mount on the above plate. Rombus bolt head screwed flush to plate.

1 Assy per Panel. For example:

https://www.ebay.com/itm/283754669050?hash=item421118a3fa:g:SjIAAOSw6SNeKhCZ

DRAWN BillS CHECKED	5/3/2021		Watt-Tracker,LLC	
QA		TITLE		
MFG		Diatas		
		Plates		
APPROVED				_
		SIZE	DWG NO	REV
		C	2x8_GroundMount_285	
		SCALE	SHEET 6 OF 9	
2		I	4	





4 2 1

## **Assembly Notes:**

- 1. Assemble 18 columns with hardware shown on Page 3.
- 2. Mark the midpoint of the horizontal spar with electrical tape. (See page 4) The spar is 323" = 26'-11". This is the split between the 2 center panels.
- 3. Place tape 30" on either side of center tape. This is the location of the center 2 columns. Then mark 2 more column locations on either side. These marks, except for the midpoint, are the column locations. Lay the spar on the ground and mark the column locations.
- 4. On page 8, the front-to-back column spacing is listed. Use the taped spar to mark the remaining column locations. 12 each.
- 5. With an auger, bore out holes 35" deep. Place te 18 columns in the bored holes, and mount 3 horizontal spars to the columns. Use the tape locations to locate the points to attach the column tops. The spar makes a line of columns straight.
- 6. Add the braces, without tightening the pipe clamps.
- 7. Add 4 panels, 2 on either end, with the MC4 cables oriented toward the middle columns. This will establish the spar spacing, front to back. In the photo, you will note that the panel upper edge is flush with 2 midclamps, pictured on page 6. Add another panel and clamp. Then attach the upper/lower clamps, shown on the LL view. The goal is to establish the front to back column spacing.
- 8. With 4 panels installed, go about making the columns vertical. Use a hammer! tighten the front to back braces.
- 9. The connections to the inverter are 2 strings of 8 panels in series. You will need some #12 PV wire with MC4 Connectors on one end..

  The 2 strings, 8 panels in series, can be like 2 U's with the open parts facing one another. The 2 bare wires connect to the inverter lower section.

