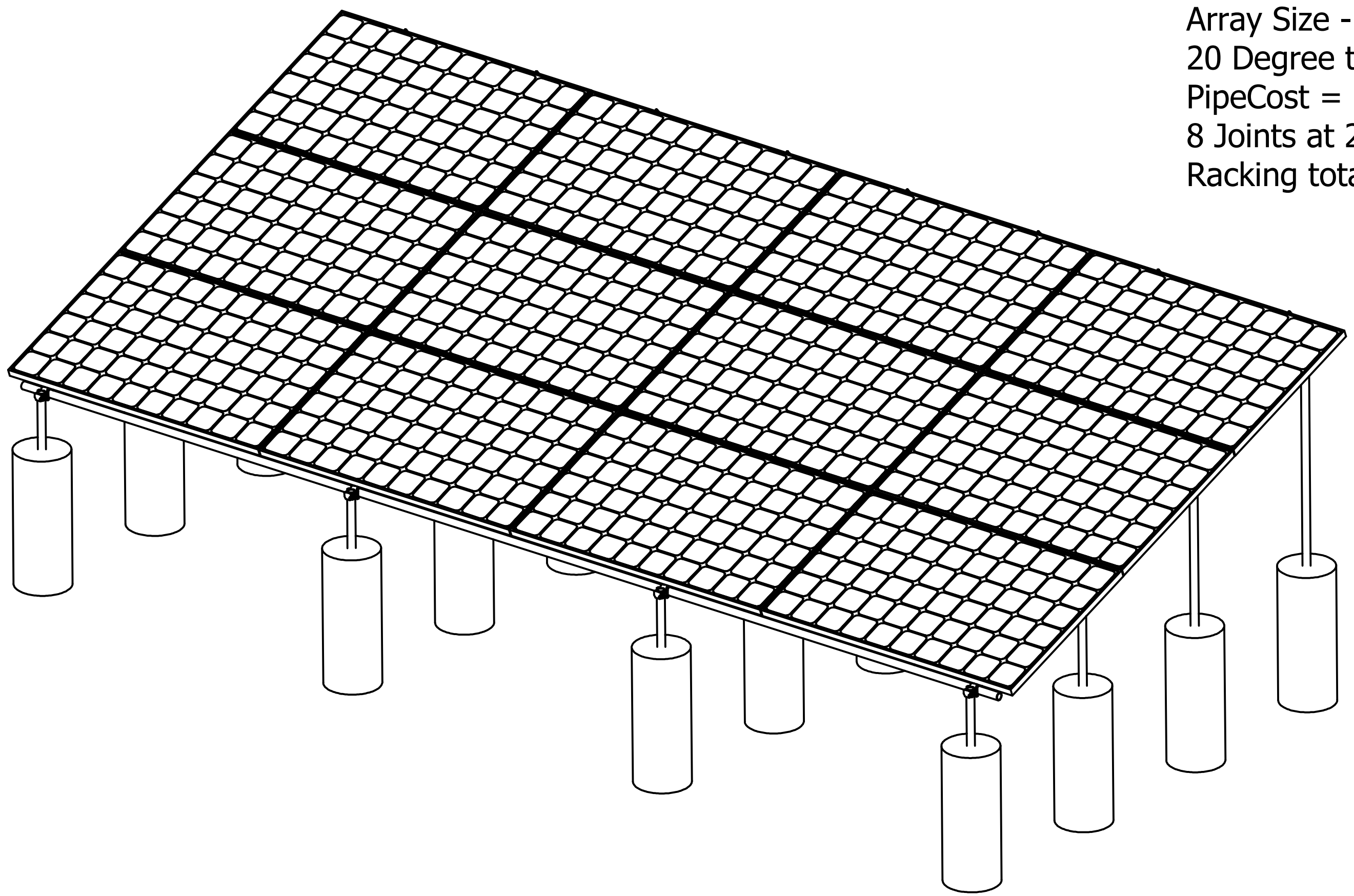


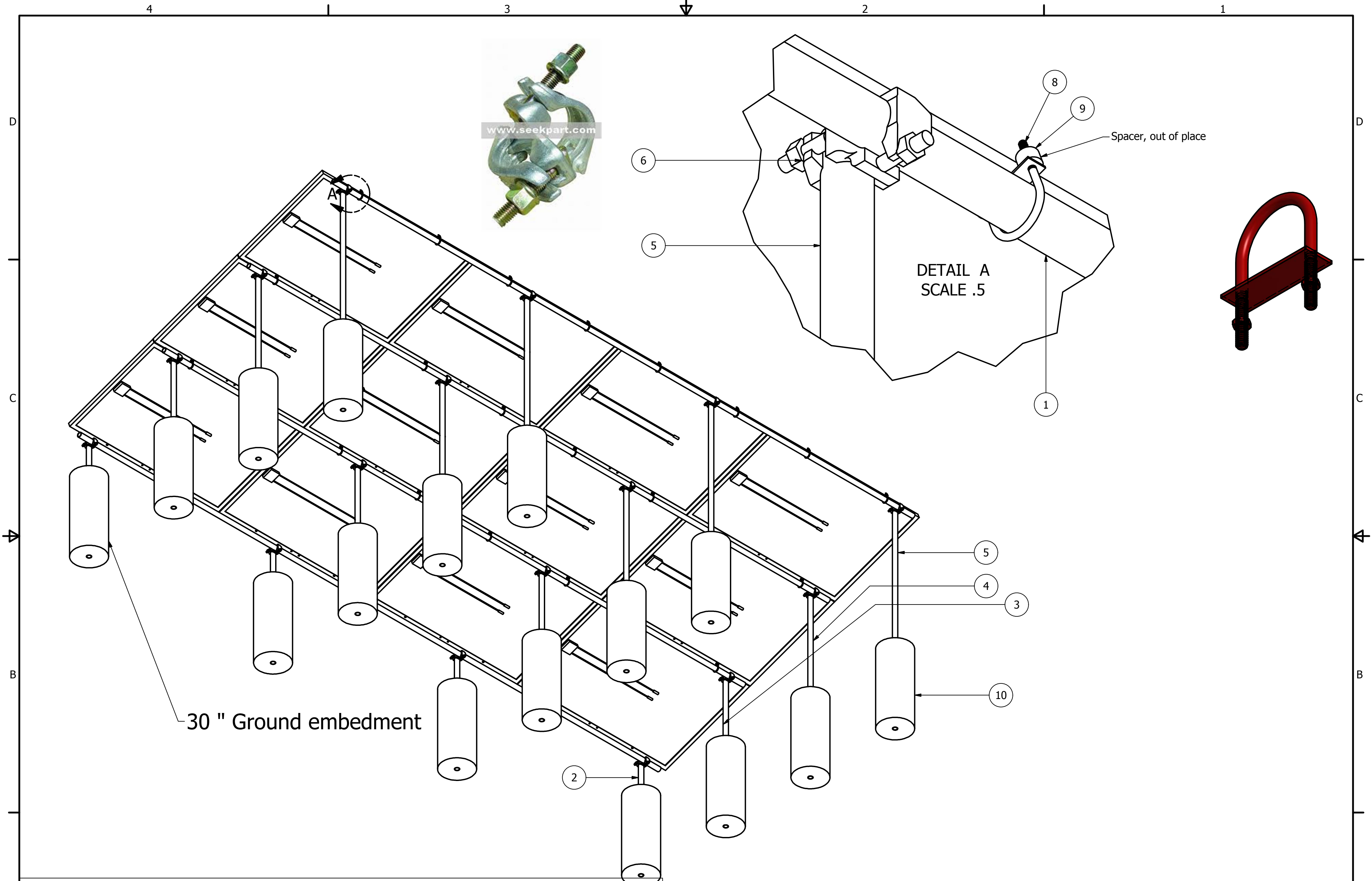
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	ESTIMATED
1	1008.000 in	ANSI - 1 1/4 x 0.140 - 252	Pipe	\$0.23/foot
2	171.000 in	ANSI - 1 1/4 x 0.140 - 42.75	Pipe	\$0.23/foot
3	224.596 in	ANSI - 1 1/4 x 0.140 - 56.149	Pipe	\$0.23/foot
4	278.192 in	ANSI - 1 1/4 x 0.140 - 69.548	Pipe	\$0.23/foot
5	331.788 in	ANSI - 1 1/4 x 0.140 - 82.947	Pipe	\$0.23/foot
6	16	Scaffold Pipe Clamp	Check Online for suppliers	\$7.75
7	12	talesun_240	220-240 Watt, Cost includes Microinverters	\$210.00
8	24	2936T730	McMaster-Carr pipe clamp, 1.25"	\$1.31
9	48	Spacerp5	0.5" spacer with 1/4" clearance hole	
10	16	Concrete		

Array Size - 12 x 240 watts = 2880
 20 Degree tilt.
 PipeCost = 169 ft x \$2.23/ft = \$ 378
 8 Joints at 21' are required.
 Racking total \$/watt = 0.18 - Good !



The objective is to design the racking, using locally sourced pipe, 1 1/4", schedule 40.
 If another panel is used, the spacing will change. The panels are connecting to the pipe
 with a pipe clamp from McMasterr-Carr. The pipe clamp engages the slots in the panel
 with a spaces to avoid interference.

DRAWN Bill Swann	3/1/2015	Watt-Tracker, LLC - Ph 832-338-3080		
CHECKED		TITLE		
QA		2880 Watt Array, Minimum racking cost.		
MFG		SIZE	DWG NO	REV
APPROVED		C	GroundMount_12Panel_Template	
		SCALE	SHEET 1 OF 2	



30 " Ground embedment

DETAIL A
SCALE .5

www.seekpart.com

Spacer, out of place

PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION	ESTIMATED
1	1008.000 in	ANSI - 1 1/4 x 0.140 - 252	Pipe	\$0.23/foot
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8	24	2936T730	McMaster-Carr pipe clamp,1.25"	\$1.31
9	48	Spacerp5	0.5" spacer with 1/4" clearance hole	
10	16	Concrete		

DRAWN Bill Swann	3/1/2015	Watt-Tracker,LLC - Ph 832-338-3080		
CHECKED		TITLE		
QA		Other connectors.		
MFG		SIZE C	DWG NO	REV
APPROVED		GroundMount_12Panel_Template		
		SCALE	SHEET 2 OF 2	