

Post spacing, front to back, depends upon the panel used. Specifically the spacing of the panel mounting For this 2 up array, the panel holes at the middle column have to be drilled. Do so, one inch in from both The choice of panel also influences the post spacing, because you want to utilize the additional panel mou The hypoteneuse number is shown below. It is the distance from one mounting hole to the end of the part The basic trigonometry is that the cosine of the panel angle - Cosine(20.34') - is equal to the post spacin is equal to the hypoteneuse times $Cos(20.34^{\circ})$. Spacing = 62.03" x Cos(20.34) = 58.16" See the number Once the pole spacing has been calculated, mark the post locations in the soil for the poles. Then drive the and a short 2" x 4", to prevent bending of the column tops. Sight the 3 poles so they are in a visual line, front to back. Assemble the array, with the solar panel wires Chizel anchors are most effective on the long columns, on the high side of the array, because of higher w Additionally, to limit wind uplift, chain link fence can be installed on the rear columns with slats. There is if the permit authority requires this for safety. Next, assemble the microinverters to a 220 Volt AC line thru a 15 amp breaker. You are up and running v AC amps with a clamp on meter VOM. It should be about 8 amps, 1 amp per panel. (275 watts / 240 Vac Panel Wires. This view <u>is o</u>f 2 pane

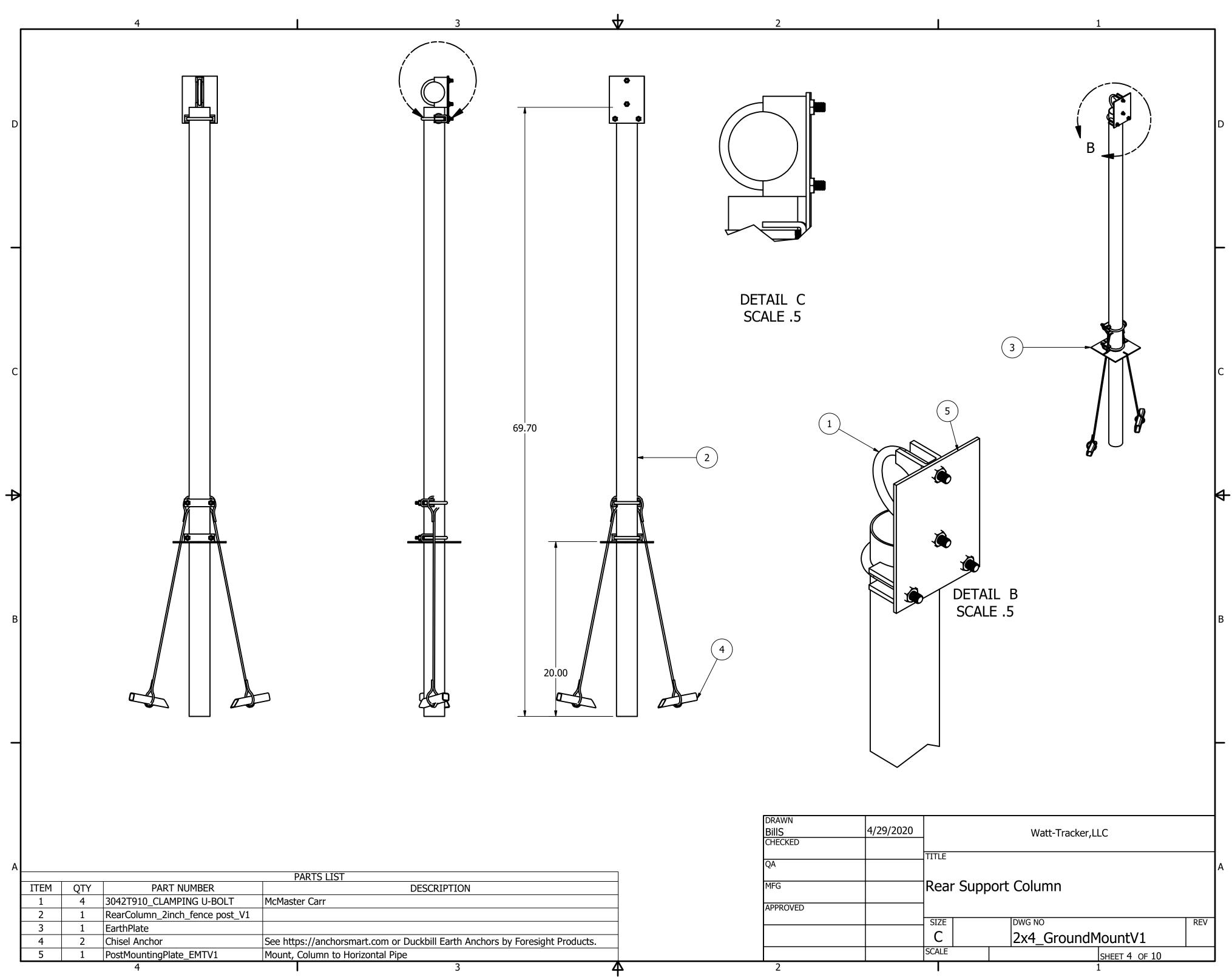
Drilled holes

11/16, Panel Gap

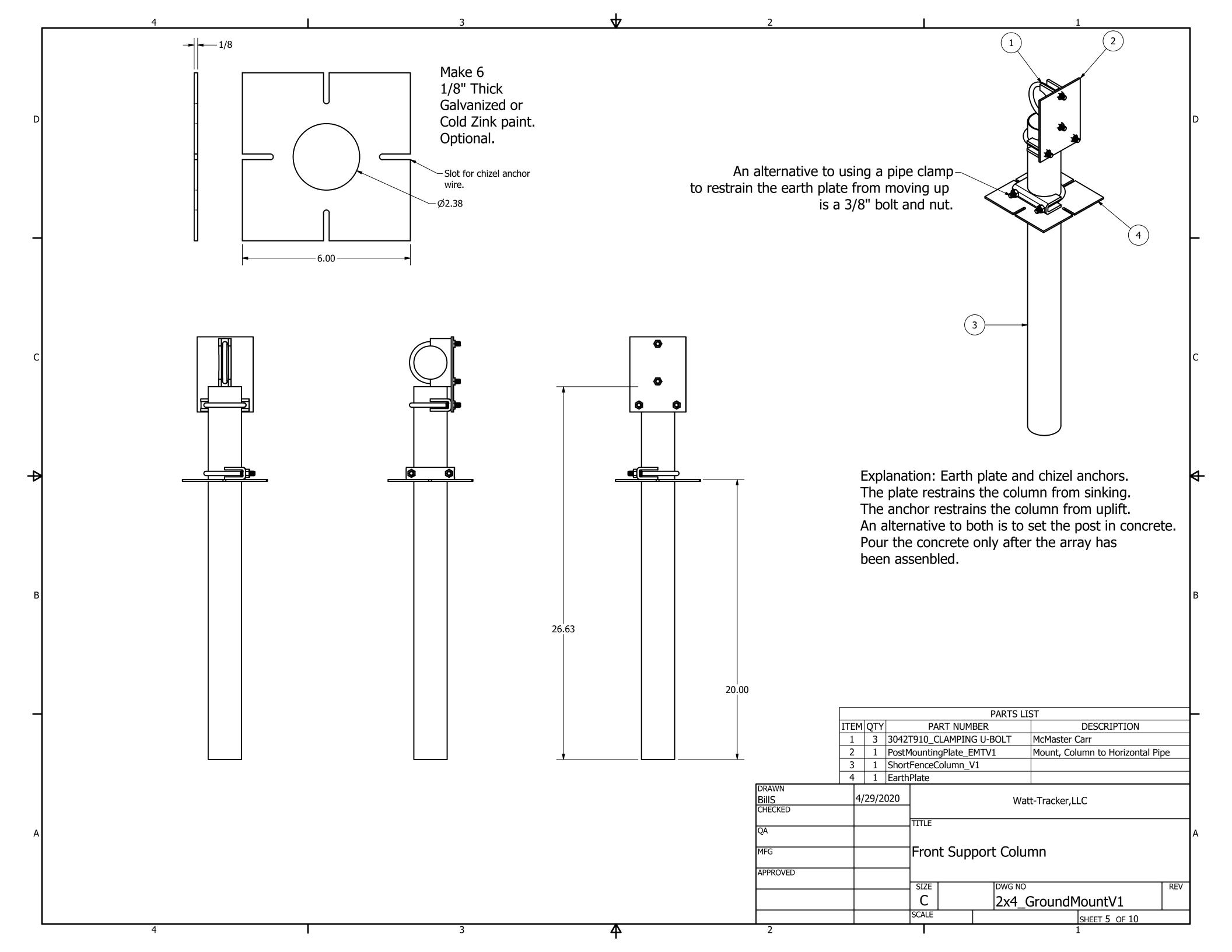
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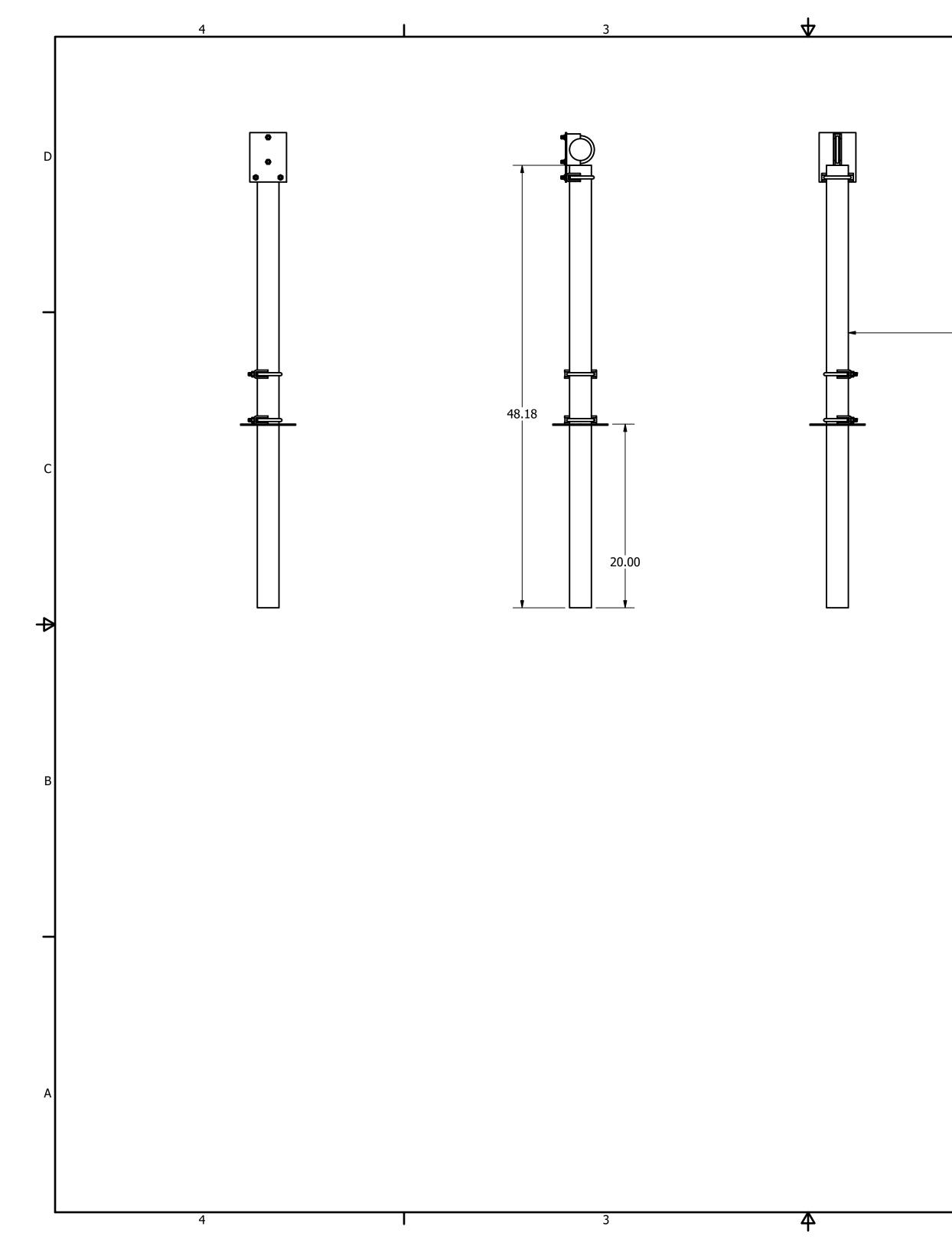
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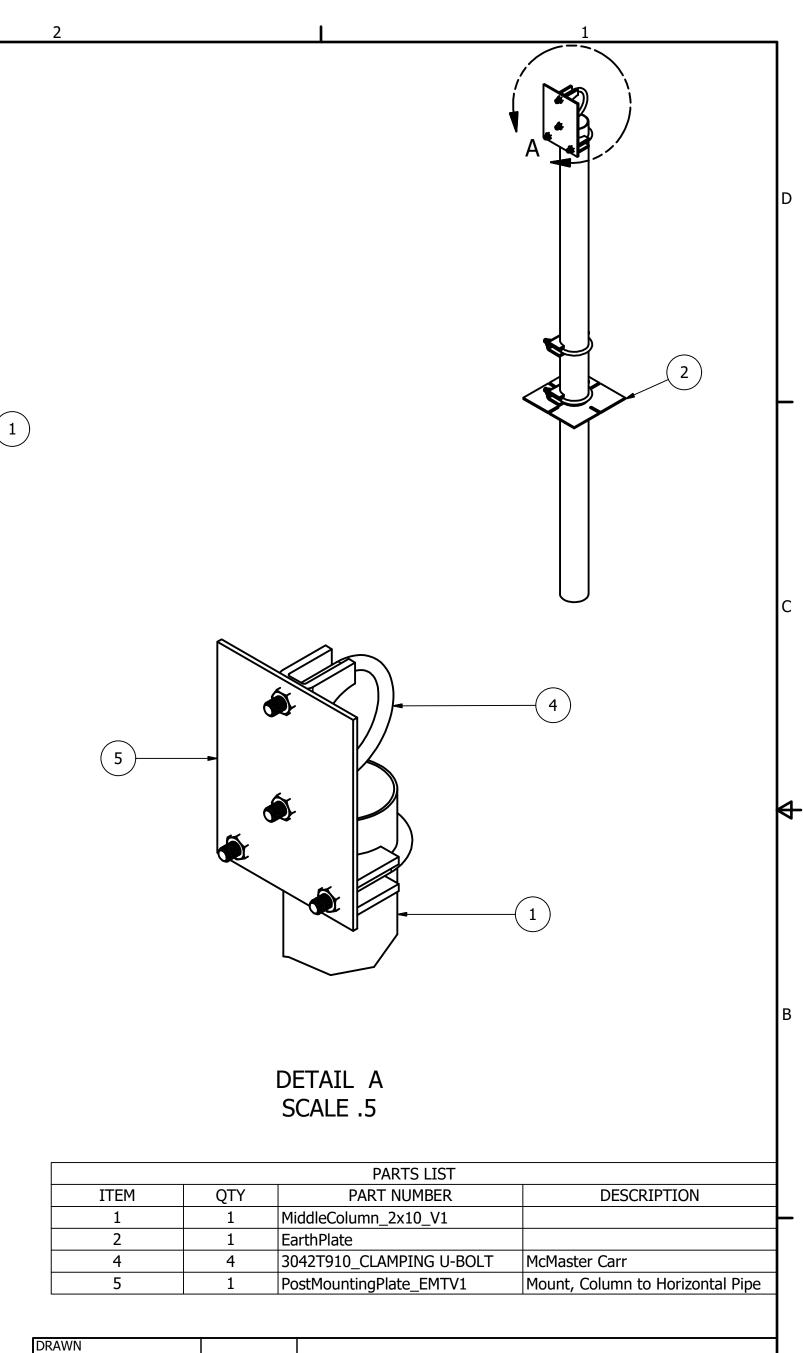
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holes. They are inboard of the panel ends by 12" or so. a edges. And drill the holes on the same end as the panel wires. bunting holes. On Page 1, there is a triangle with the dimensions shown in red. anel, plus half of the panel gaps. In g divided by the hypoteneuse. Or, to transpose, the panel spacing on page 1. This math needs to be done for the panel you use. he posts in with a sledge hammer	D
s located near the center posts.	╞
vind load uplift. also a product - solar scrim - to cover the wires,	
when the breaker is turned on. You can measure the c is near 1 amp)	С
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els, looking at the back side.	В
62.03	$\left \right $
DRAWN BillS 4/29/2020 Watt-Tracker,LLC CHECKED TITLE QA MFG APPROVED 2 Panels & Hole spacing	A
SIZE DWG NO REV C 2x4_GroundMountV1 SCALE SHEET 3 OF 10	_
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DRAWN					
BillS	4/29/2020	Watt-Tracker,LLC			
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