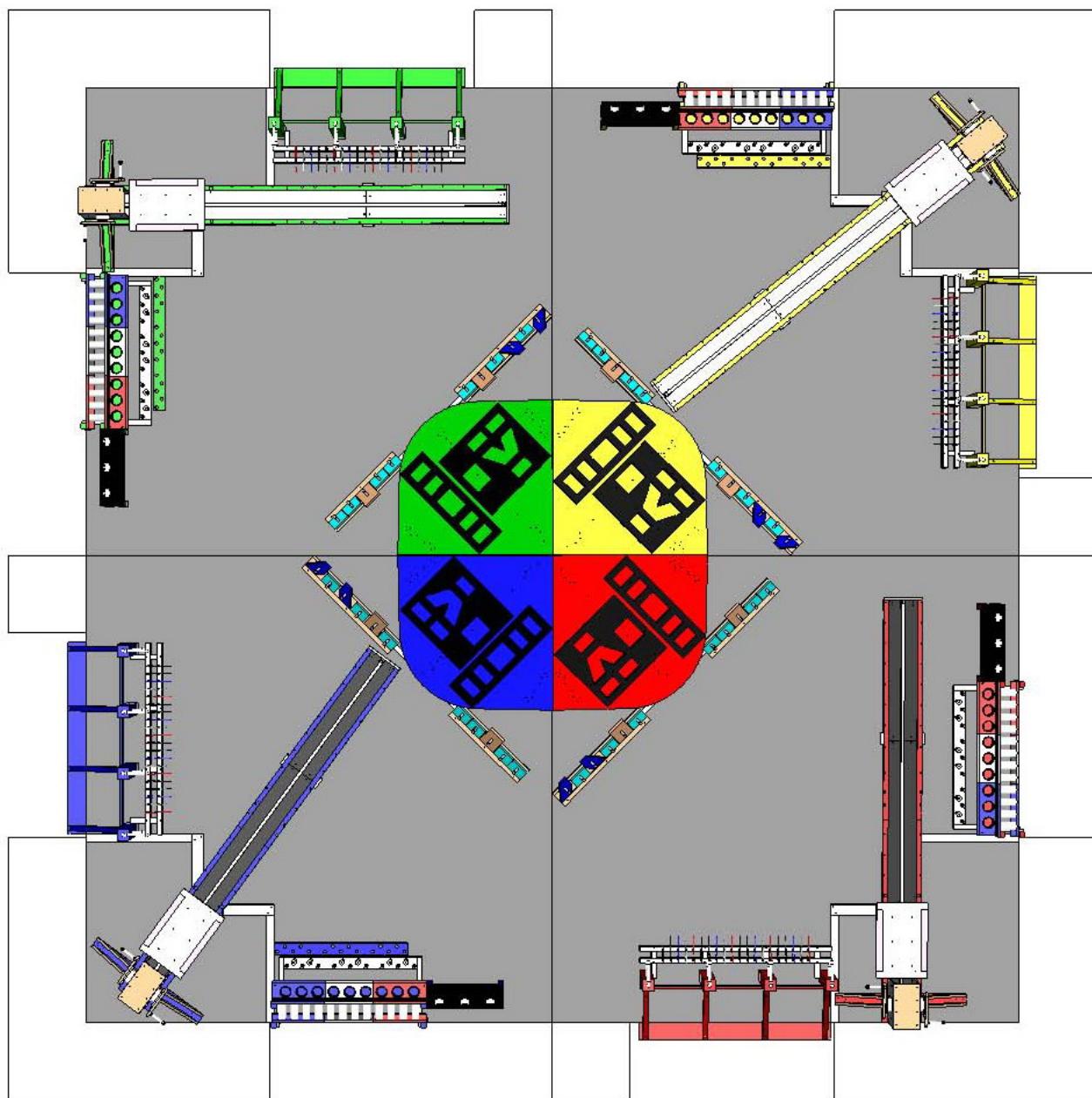


GATEKEEPER

DRAWING PACKAGE



26-Aug-13

GATEKEEPER DRAWING LIST Rev5.0

Drawing Number	File Type	Drawing Type	Description	Last Rev
JB-A-1000_RevE	SLDASM	Assembly File	Main Assembly	Field assembly
				Rev5.0
JB-SA-1000_RevG	SLDDRW	Drawing File	Sub Assembly	Trolley unit sub assembly (3 SHEETS)
JB-P-1002_RevB	SLDDRW	Drawing File	Part	Side Guide Rail, Trolley Crank End, 1x4 Pine
JB-P-1003_RevC	SLDDRW	Drawing File	Part	Bottom deck, trolley crank end, 1/4" plywood
JB-P-1004_RevD	SLDDRW	Drawing File	Part	Bottom deck, trolley far end, 1/4" plywood
JB-P-1011_RevD	SLDDRW	Drawing File	Part	Top Guide Rail, Trolley Crank End, 1x2 Pine
JB-P-1012_RevB	SLDDRW	Drawing File	Part	Top Guide Rail, Trolley Far End, 1x2 Pine
JB-P-1014_RevC	SLDDRW	Drawing File	Part	Outrigger Bracket, for Trolley, 1x4 Pine
JB-P-1020	SLDDRW	Drawing File	Part	Side Guide Rail, Trolley Far End, 1x4 Pine
JB-P-1021	SLDDRW	Drawing File	Part	Wheel Mounting Plate, Trolley Far End, 1x4 Pine
JB-P-1025	SLDDRW	Drawing File	Part	End stop, trolley far end
JB-P-1026	SLDDRW	Drawing File	Part	Splice brace, trolley deck joint
JB-P-1027	SLDDRW	Drawing File	Part	Alignment blocks, trolley side rails
JB-P-1028	SLDDRW	Drawing File	Part	Backing board screw protector
JB-SA-1100_RevD	SLDASM	Assembly File	Sub Assembly	Skate Assembly
JB-P-1101_RevC	SLDDRW	Drawing File	Part	Skate Top, board 1/2"(15/32) Plywood
JB-P-1102_RevB	SLDDRW	Drawing File	Part	Spacer skate guide, 1/8" hardboard
JB-P-1104_RevC	SLDDRW	Drawing File	Part	Mounting Support, Robot Base, 2x2 pine
JB-P-1105_RevD	SLDDRW	Drawing File	Part	Robot Base on Skate, Board 1/2"(15/32) Plywood
				Rev3.1
JB-SA-1200_RevB	SLDASM	Assembly File	Sub Assembly	Trolley pivot assembly
JB-P-1203_RevB	SLDDRW	Drawing File	Part	Trolley pivot connector, 2x4 pine
JB-P-1207	SLDDRW	Drawing File	Part	Leg, trolley pivot base, 1x4 pine
JB-P-1208	SLDDRW	Drawing File	Part	Stop leg, trolley pivot base, 1x3 pine
JB-P-1209	SLDDRW	Drawing File	Part	Trolley pivot base, 15/32 plywood
JB-P-1210	SLDDRW	Drawing File	Part	Spacer for pivot base, 1x4 pine
JB-P-1211	SLDDRW	Drawing File	Part	Brace leg pivot base, 1x4 pine
JB-SA-1400_RevC	SLDASM	Assembly File	Sub-Assembly	Crank handle assembly
JB-P-1401	SLDDRW	Drawing File	Part	Handle, 1/2" sch 40 pvc
JB-P-1402_RevD	SLDDRW	Drawing File	Part	Handle Crank, 1x4 Pine
				Rev2.0
JB-SA-1500_RevD	SLDASM	Assembly File	Sub-Assembly	Trolley drive unit assembly
JB-P-1501	SLDDRW	Drawing File	Part	Brace for outrigger
JB-P-1502_RevB	SLDDRW	Drawing File	Part	Drive unit side plate
JB-P-1503	SLDDRW	Drawing File	Part	Top belt guard
JB-P-1504	SLDDRW	Drawing File	Part	Axel for drive pulley
JB-P-1505	SLDDRW	Drawing File	Part	Mounting Bracket for guide pulley
JB-P-1506	SLDDRW	Drawing File	Part	Mounting Bracket for U-Bolt Belt Guide
JB-P-1507	SLDDRW	Drawing File	Part	Belt Guard on Spotter side
JB-P-1508	SLDDRW	Drawing File	Part	Mounting Block for Crank Unit
JB-P-1509	SLDDRW	Drawing File	Part	Coupling, pvc toilet flange
JB-P-1510	SLDDRW	Drawing File	Part	Mounting bracket top belt guard

JB-SA-1600	SLDASM	Assembly File	Sub-Assembly	Main drive pulley assembly	
JB-P-1601	SLDDRW	Drawing File	Part	Pulley half, 5 gal bucket lid	
JB-P-1602	SLDDRW	Drawing File	Part	Pulley coupling, long pattern tolite flange	
JB-P-1603	SLDDRW	Drawing File	Part	Spacer Block, 1x8 pine	
JB-SA-2000_RevF	SLDASM	Assembly File	Sub-Assembly	Area 1 main scoring unit	Rev5.0
JB-P-2001_RevB	SLDDRW	Drawing File	Part	Short leg area 1 scoring, 2x2 pine	
JB-P-2002_RevB	SLDDRW	Drawing File	Part	Brace area 1 scoring, 2x2 pine	
JB-P-2003_RevC	SLDDRW	Drawing File	Part	2" tube faceplate, area 1 scoring, 1x4 pine	Rev2.1
JB-P-2004_RevB	SLDDRW	Drawing File	Part	3" tube faceplate, area 1 scoring, 1x6 pine	
JB-P-2005_RevC	SLDDRW	Drawing File	Part	2" scoring tube, area 1 scoring, 2" pvc	Rev5.0
JB-P-2006	SLDDRW	Drawing File	Part	3" scoring tube, area 1 scoring, 3" pvc	
JB-P-2007_RevB	SLDDRW	Drawing File	Part	Short brace, area 1 scoring, 1x2 pine	
JB-P-2008_RevB	SLDDRW	Drawing File	Part	3" tube support, area1 scoring, 1x4 pine	
JB-P-2009_RevB	SLDDRW	Drawing File	Part	Long leg area 1 scoring, 2x2 pine	
JB-P-2010_RevC	SLDDRW	Drawing File	Part	2" tube support, area 1 scoring, 1x3 pine	Rev2.1
JB-P-2011_RevB	SLDDRW	Drawing File	Part	Short top brace, arrea 1 scoring, 1x2 pine	
JB-P-2013	SLDDRW	Drawing File	Part	Spacer dowel storage, area 1 scoring, 2x2 pine	
JB-P-2014_RevB	SLDDRW	Drawing File	Part	Rack dowel storage, area 1 scoring, 2x4 pine	Rev3.1
JB-P-2015	SLDDRW	Drawing File	Part	Dowel, aera 1 scoring part, 7/8" diameter pine	
JB-SA-2100	SLDASM	Assembly File	Sub-Assembly	Poka-Yoke area 1 scoring dowel	Rev2.0
JB-SA-3000_RevD	SLDASM	Assembly File	Sub-Assembly	Area 1 blind scoring	Rev5.0
JB-P-3001	SLDDRW	Drawing File	Part	Long leg, blind scoring area, 2x2 pine	
JB-P-3002	SLDDRW	Drawing File	Part	Short leg, blind scoring area, 2x2 pine	
JB-P-3003_RevB	SLDDRW	Drawing File	Part	Face plate, blind scoring area, 1x10 pine	Rev2.0
JB-P-3004	SLDDRW	Drawing File	Part	Scoreing tube, blind scoring area, 3" pvc	
JB-P-3005	SLDDRW	Drawing File	Part	Brace, blind scoring area, 2x2 pine	
JB-P-3006	SLDDRW	Drawing File	Part	Tube support, blind scoring arrea, 1x4 pine	
JB-SA-4000_RevE	SLDASM	Assembly File	Sub-Assembly	Area 3 scoring assembly (3 SHEETS)	Rev5.0
JB-P-4001_RevB	SLDDRW	Drawing File	Part	Memory panel, area 3 scoring, 1/4" plywood	Rev2.0
JB-P-4002_RevB	SLDDRW	Drawing File	Part	CPU panel, area 3 scoring, 1/4" plywood (2 SHEETS)	Rev2.0/2.1
JB-P-4003	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-P-4005	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-P-4006	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-P-4007	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-P-4008	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-P-4009	SLDDRW	Drawing File	Part	Spacer under scoring panels, 1x2 pine	
JB-SA-4100_RevC	SLDASM	Assembly File	Sub-Assembly	Area 3 scoring table sub assembly	Rev3.1
JB-P-4103_RevC	SLDDRW	Drawing File	Part	Back leg area 3 scoring table	
JB-P-4105_RevB	SLDDRW	Drawing File	Part	Table top area 3 scoring table (3 SHEETS)	
JB-P-4106_RevC	SLDDRW	Drawing File	Part	Brace, table leg attachment	Rev3.1
JB-P-4107_RevB	SLDDRW	Drawing File	Part	Short brace, table leg attachment	
JB-P-4109_RevB	SLDDRW	Drawing File	Part	Side leg, area 3 scoring table	
JB-P-4112	SLDDRW	Drawing File	Part	Leg brace cleat, area 3 scoring table	
JB-P-4113	SLDDRW	Drawing File	Part	Front leg, area 3 scoring table	
JB-SA-4200_RevC	SLDASM	Assembly File	Sub-Assembly	Area 3 parts storage	Rev3.1
JB-P-4209	SLDDRW	Drawing File	Part	Alignment spacer for parts storage areas	

JB-SA-4300	SLDASM	Assembly File	Sub-Assembly	Long storage area, area3 parts storage	
JB-P-4301	SLDDRW	Drawing File	Part	Long base, area3 parts storage	
JB-P-4302	SLDDRW	Drawing File	Part	Long backstop, area3 parts storage	
JB-P-4303	SLDDRW	Drawing File	Part	Long cleat, area3 parts storage	
JB-P-4304	SLDDRW	Drawing File	Part	Long support back, area3 parts storage	
JB-P-4305	SLDDRW	Drawing File	Part	Long support front, area3 parts storage	
JB-SA-4400	SLDASM	Assembly File	Sub-Assembly	Short storage area, area3 parts storage	
JB-P-4401	SLDDRW	Drawing File	Part	Short base, area3 parts storage	
JB-P-4402	SLDDRW	Drawing File	Part	Short backstop, area3 parts storage	
JB-P-4403	SLDDRW	Drawing File	Part	Short cleat, area3 parts storage	
JB-P-4404	SLDDRW	Drawing File	Part	Short support back, area3 parts storage	
JB-P-4405	SLDDRW	Drawing File	Part	Short support front, area3 parts storage	
JB-P-4500	SLDDRW	Drawing File	Part	Handle, area 3 parts	
JB-SA-4510	SLDASM	Assembly File	Sub-Assembly	Mux part, area3 scoring parts	
JB-P-4511	SLDDRW	Drawing File	Part	Mux or adder body, area3 scoring parts	
JB-SA-4520	SLDASM	Assembly File	Sub-Assembly	Memory part, area3 scoring parts	
JB-P-4521	SLDDRW	Drawing File	Part	Memory body, area3 scoring parts	
JB-SA-4530	SLDASM	Assembly File	Sub-Assembly	D-latch part, area3 scoring parts	
JB-P-4531	SLDDRW	Drawing File	Part	D-latch body, area3 scoring parts	
JB-SA-4540	SLDASM	Assembly File	Sub-Assembly	Adder part, area3 scoring parts	
JB-SA-5000_RevE	SLDASM	Assembly File	Sub-Assembly	Area 2 scoring assembly	Rev3.1
JB-P-5001_RevB	SLDDRW	Drawing File	Part	Post, area2 scoring, 4x4 post	
JB-P-5002	SLDDRW	Drawing File	Part	Pivot, post top, area 2 scoring, 1/2"pvc	
JB-P-5003	SLDDRW	Drawing File	Part	Hanger post, area 2 scoring, 1/2"pvc	
JB-P-5004	SLDDRW	Drawing File	Part	Base, hanger post, area 2 scoring, 1x6 pine	
JB-P-5005_RevB	SLDDRW	Drawing File	Part	Brace, post support, area 2 scoring 2x4 pine	Rev3.1
JB-P-5007	SLDDRW	Drawing File	Part	Cross brace, posts, area 2 scoring, 1x4 pine	
JB-SA-5100_RevD	SLDASM	Assembly File	Sub-Assembly	Hanger storage unit assembly	Rev2.0/2.1
JB-P-5101_RevC	SLDDRW	Drawing File	Part	Top guide hanger storage rack, 1x2 pine	Rev2.0
JB-P-5104_RevC	SLDDRW	Drawing File	Part	Base hanger storage, 2x4 pine	Rev2.1
JB-P-5105_RevB	SLDDRW	Drawing File	Part	Lower guide hanger storage rack, 1x2 pine	
JB-P-5106_RevB	SLDDRW	Drawing File	Part	Spacer hanger storage, 2x2 pine	
JB-P-5107_RevB	SLDDRW	Drawing File	Part	Spacer standoff hanger storage, 2x2 pine	
JB-P-5108_RevB	SLDDRW	Drawing File	Part	Spacer standoff hanger storage, 2x2 pine	

Field Build Notes Rev5.0

UPDATE FROM KICKOFF DAY:

- Making the field layout correctly we had to really square up our boarders.
 - We use carpet under the field and used a chalk line to establish the edges and centerlines. This allowed the Area 3 to be centered in the middle
- Based on a number of questions we looked into how the skate preformed at the end of the trolley run. Looking at the way the belt wrapped around the end of the skate and got in a bind with the pulley we took off the end stop P-1025 and pulled out the skate and attached the belt to the bottom. See Rev 4.0 drawing SA-1000 sheet 2.
 - Putting the skate back in we had to push the screw over the pulley and reattach the top belt.
 - With this setup the skate could travel all the way to the stop without putting the belt in a bind, with this setup the skate does lift up a little at the end as the top board goes over the pulley but there is plenty of clearance so this is no problem
 - To do this you do need to move the bottom screw in another inch so the screw does not hit the pulley.
- We also experienced one issue with a skate and trolley that had too much play side to side so we added a spare slider to one side that was a little more offset to take up the slack.
- We also taped out the safety arc for the first time, this will take about 90ft of tape to make two arcs across each quadrant. (I had 2-10yd roll and came up short, 3 rolls would have been enough)

Overall things went well the kids were all over it and nothing broke; success!

General notes on Drawing Package:

- Drawing numbers
 - JB is for Jubilee Best
 - A Is for Main Assembly (There is only one)
 - SA is for Sub-Assembly (This is all constructed assemblies that make up the main)
 - P is for Part (These are all of the drawings for cutting and drilling)

- Note there are some Sub-Assemblies and some Parts that represent purchased parts that do not exist as drawings. They are parts if you are in the Solid Works files but are not shown as dimensioned parts in the drawing documents
- General
 - Dimensions have been given in both metric and standard. The Primary dimension is millimeters and the secondary dimension is [inches]. The parts drawings have hole layouts for both clearance holes and pilot holes though this would help in assembly and even though it is difficult to have multiple holes line up in a series the pilot hole should be close enough that it will do its job and allow the screw to go in without splitting the wood.
- Main assembly
 - We have tried to simplify field set-up by having the parts define the locations
 - The field is based on the 12'x12' quadrant playing area
 - Note it is important to verify the quadrants are accurate and square, as they are critical to the field layout
 - The Sub-Assembly *SA-1200*, (Trolley base and Pivot) is placed in the outside corner of the quadrant, with the outside legs squared to the two sides of the field
 - The Sub-Assembly *SA-2000* will be placed on the right side (facing the field from the spotters area) with its back legs lined up evenly on the outside of the 12' quadrant and the near side legs square to the side of the Trolley Base Pivot Leg.
 - The Sub-Assembly *SA-5000* will be placed on the left side with its base outside the quadrant, the inside edge of the base is lined up with the outside edge of the quadrant and the near side of the "MUX" scoring post square to the side of the Trolley Base Pivot Leg
 - The Drivers area becomes a 2' deep rectangle that can be laid out by extending tape from the back of the Area 2 scoring base, with the inside edge of the tape extending from the edge of the base coming out 2' from the edge of the quadrant. The other side of the box will be formed by extending tape from the end of the quadrant with the inside edge even with the edge of the quadrant extending out 2' from the side of the quadrant. The outside of the box will be formed by running tape between the two extended sides with the inside edge 2' from the side of the quadrant. (inside refers to the inside of the Drivers Box)
 - Note this is not an even dimension but is just slightly bigger than 2' square and makes things line up with minimal measurements

- The Blind Scoring area, *SA-3000* will be placed with the sloped scoring area facing away from the field, with its legs square to the end of the Area 1 Scoring assembly, so that the inside of the long legs of the Blind scoring area are even with the inside short legs of the main Area 1 scoring
 - The Area 3 scoring *SA-4000* is placed so that the corner and sides line up with the inside corner and sides of the quadrant. The four pieces will form a pyramid in the middle of the field. (Note we have not shown anything but there is space in the center to mount something without interfering with the game play should a hub choose to use for advertising or enhancement)
 - The Trolley, *SA-1000* is then screwed to the mounting blocks (2x4's) that are on the Pivot Base, *SA 1200*, which provides proper positioning of the Trolley
 - The Safety Arc can be laid out by running an arc of tape which follows the path of the wheels on the far end of the trolley, as this is the purpose of the arc, to prevent a team from damaging the trolley unit by trying to run over a piece in the path of the wheels
- Assembling the Trolley
 - My recommendation is to start with the far end, deck piece *P-1004*, side rails *P-1020*, and top rails *P-1012*
 - Check the width of the deck board end to end and verify the 300mm width, if this is off over 2 or 3 mm make a pencil mark to establish a line for setting the side rail straight
 - Starting at the far end line the side rail up with the corner of the deck board, or with your pencil mark and fasten the first screw
 - Work your way down the board, fastening the screws one at a time maintaining a straight line down the deck board. We found this process helpful in dealing with the bends that you will have in the 1x4. (try to pick boards that are not twisted for the side rails, a little bow will easily be taken out by screwing them down with the method above) Repeat with the other side
 - Attach the top rails *P-1012*, using the same procedure keeping the outside edge lined up with the outside of the side rail
 - As noted on *P-1012* the last four 5/16" holes are best drilled by match drilling with the side rail
 - To match drill flip the piece with the top rails down and while one person or clamp holds the top rail even with the side rail, drill thru the top rail using the hole in the side rail as the guide
 - Attach with a bolt and repeat for the next hole and repeat on the other side. With the second hole drilled the bolt can be removed

- Next would be to assemble the other end of the Trolley, the Deck *P-1003*, the side rails *P-1002*, and the top rails *P-1011*
 - Using the end deck unit fit the Crank end deck board *P-1003* and side rails *P-1002* together
 - Line up the deck boards and side rails to get everything as square as possible. Using another board as a straight edge on the outside will help in keeping everything straight. Small gaps in the bottom deck (2-3mm less than $1/8"$ will not cause a problem, nor will gaps up to 6mm or less than $\frac{1}{4}"$ on the side rails)
 - Mark the location of the side rails to the deck board so that they can be attached
 - Now starting from the middle end attach the side rail to the deck by holding the alignment marks just made fasten the first screw
 - With the one screw in on both sides flip the unit over and line up and drill the first splice bolt hole and temporarily install the bolt. Then align and drill the second splice hole, and again temporarily fasten with the bolt
 - Using the same process as above, continue down the rail fastening one screw at a time. Note the third and fourth holes from the end are to be skipped at this stage as they will be used to connect the outrigger later in the assembly
 - Next refit the two deck units back together and align the side rails square. Using the splice holes as a guide drill through the far end rails into the Crank end bottom deck, and fasten splice bolts
 - Now align the far end top rails with the Crank end Side rails and use the side rail hole as a guide to drill thru from the bottom and fasten the other splice bolts.
 - Next align the crank end top rails *P-1011* at the splice and begin fastening one screw at a time working back to the Crank end on both sides
 - Assembling the Drive Pulley *SA-1600*
 - Take two of the Toilet Flanges and Drill out the holes to $5/16"$

- To drill the holes in the Bucket Lid and get centered, use four 57mm long pieces of 1x2 to center the flange inside the lid (see fig 1)

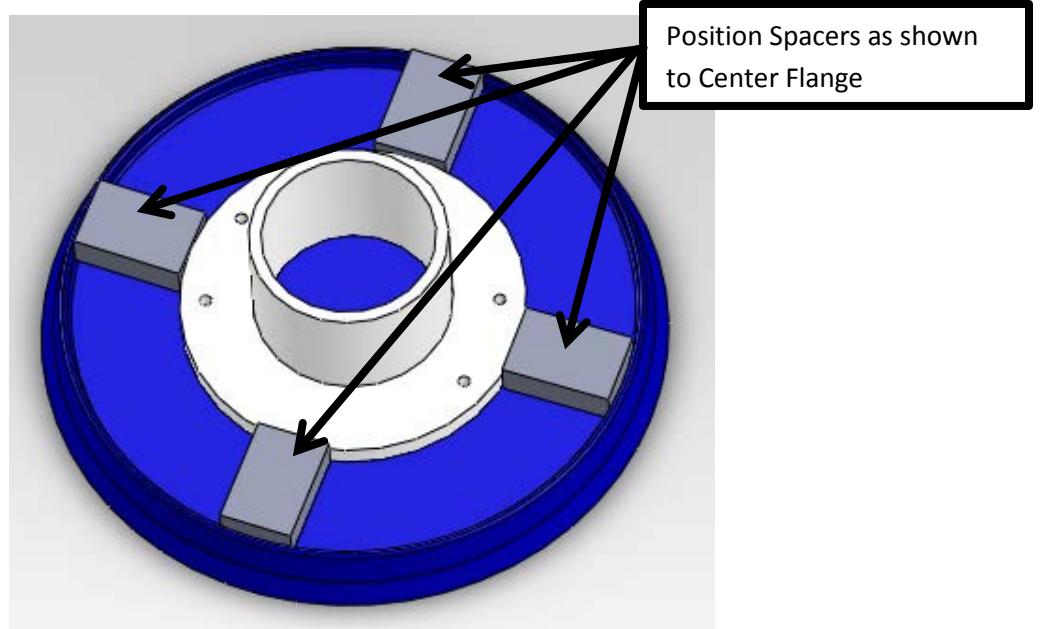
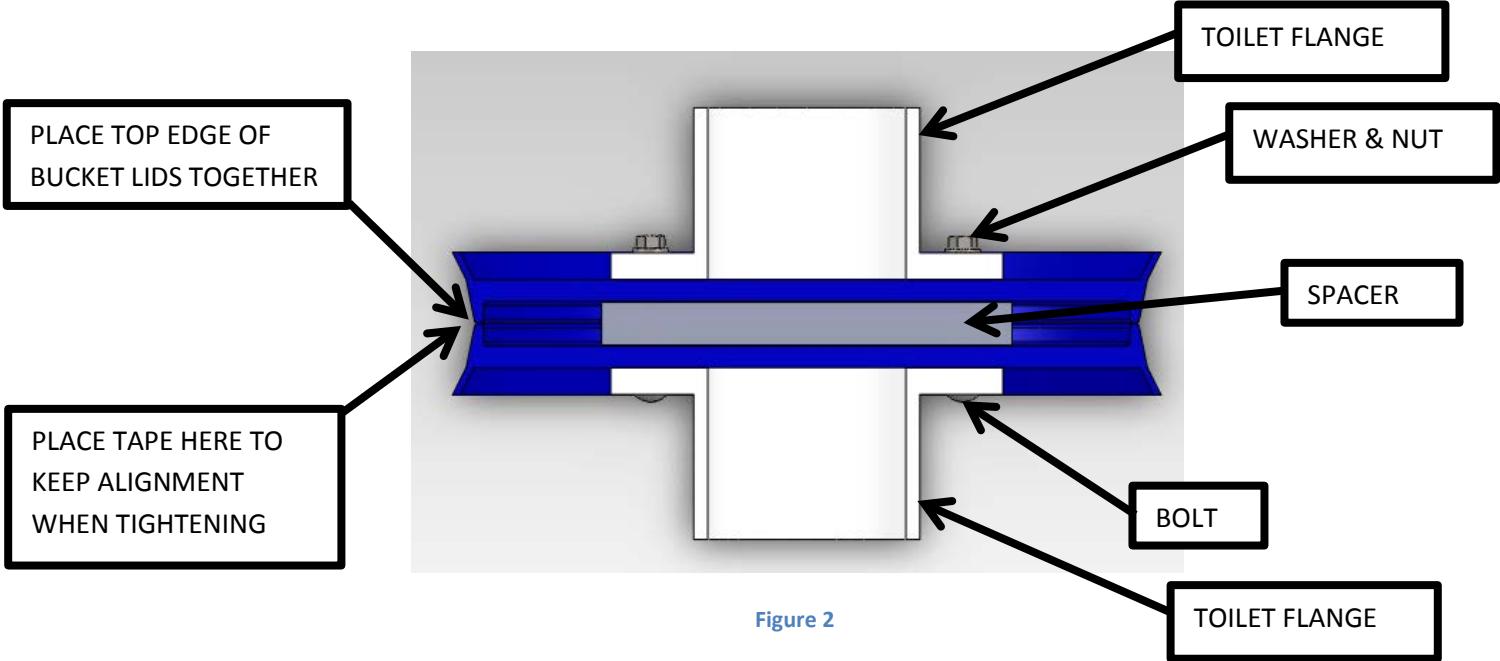


Figure 1

- Drill Both lids with this method
- To Drill the spacer board *P-1603* center the flange on the board and match drill the holes with 5/16" bit
 - Note the spacer does not have to be perfectly centered it must only fit inside the lid tops when put together
- Assemble the Drive pulley by lining up one flange on bottom of one bucket lid and inserting the four connecting bolts. Then put on the spacer board, the second lid and the second flange and finally the washers and nuts.
 - Before tightening you may want to align the two lids and place a wrap of tape around them to hold them in place while the bolts are tightened down against the spacer board (see fig 2)



- Assembling the Crank Unit SA-1500

- Start with the two Side Plates *P-1502* and attach to each; the Top Belt Guard Bracket, *P-1510* and the Crank Mounting Block, *P-1508*
- To one of the Side Plates attach the two U-bolt Belt Guide Mounting Brackets, *P-1506* and the Guide Pulley Mounting Bracket, *P-1505*
 - It is probably easier to install the U-Bolt belt guides before assembling, and if doing so you must pay attention and install both so that the U-Bolt is facing toward the spotter/The Belt side guard
 - The same is true for the Guide Pulley Mounting Bracket to which the Caster can be attached, but then must be installed with the Caster to the bottom and facing the Field
- Next attach the two Outrigger Braces, *P-1501* to each Side Plate
- The two side plates can now be connected by attaching the U-Bolt guides and the Guide Pulley Mounting Bracket to the other side, and by attaching the Top Belt guard *P-1503* to their mounting brackets *P-1510*
 - Leave off the Side Belt Guard until the Trolley Unit is complete, Belt is installed and proper tracking has been verified
- The two Crank Handle Assemblies *SA-1400* can now be prepared for assembly
- Fasten the modified Flange *P-1509* to each Handle Assembly
 - To cut the flange we found a Jig similar to that shown in Fig 3, Fig 4, and Fig 5, worked well with a Cut-off saw or Miter Saw



Figure 3



Figure 4



Figure 5

- The Drive Pulley Axle, *P-1504* can now be installed by using a mallet to hammer one axle into each flange so that the Axle goes all the way in and touches the wood handle *P-1402*
 - Note the Flanges are tapered so when cut off the fit will be tight and will require a fair amount of force, therefore the mallet, to assemble. The next step to secure with a screw may not be required but better safe than sorry
 - A 1/8" Pilot hole can now be drilled through each Flange and Axle assembly and the 1-1/8" dry wall screw inserted to secure in place
- To complete the Crank Assembly the Drive pulley must be centered and attached to the Axles
 - To do this set the Pulley Assembly *P-1600* between the Side Plates and push a Crank Handle Unit through each Side Plate and into the Pulley Assembly
 - Bump the handle assemblies into the Drive Pulley until the Pulley is centered and the Flanges on the Handle sides have an even gap between 1/8" and ¼", this is important so that the assembly does not have too much play side to side that would allow the pulley to get out of align and run the belt off track.
 - Adjust the handles so that they are 180 degrees out from one another and drill two 1/8" Pilot holes, one from each side, thru the pulley flange and into the axle and secure with 1-1/8" screws

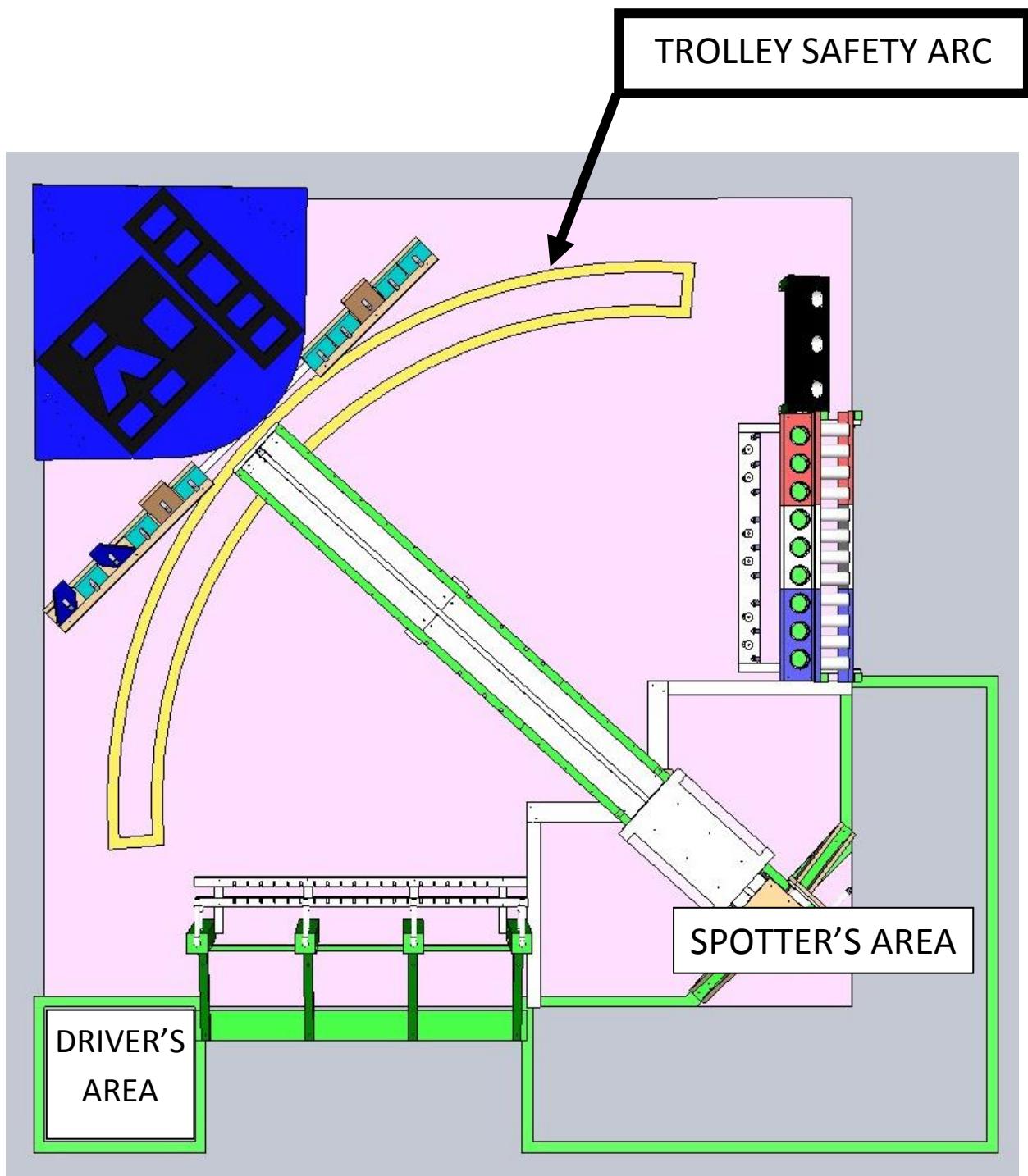
I hope you find these notes helpful in constructing the field, and please let me know if you have additional questions and we will try to clarify.

- 5100 Hanger Storage Unit Assembly
 - In fabricating the Top Guides (*JB-P-5101*) and Lower Guide (*JB-P-5104*) we tried two different methods
 - The one method was to Clamp together the three pieces that made up an assembly, and using a table saw set to the correct depth make repeated cuts to form the slots.
 - To do this the Lower guide should be cut to the same length as the upper guide and cut to length after the slots are cut
 - Additionally this could be made easier if you have dado blade available for your saw that would make the 8mm or 5/16" cut in a single pass

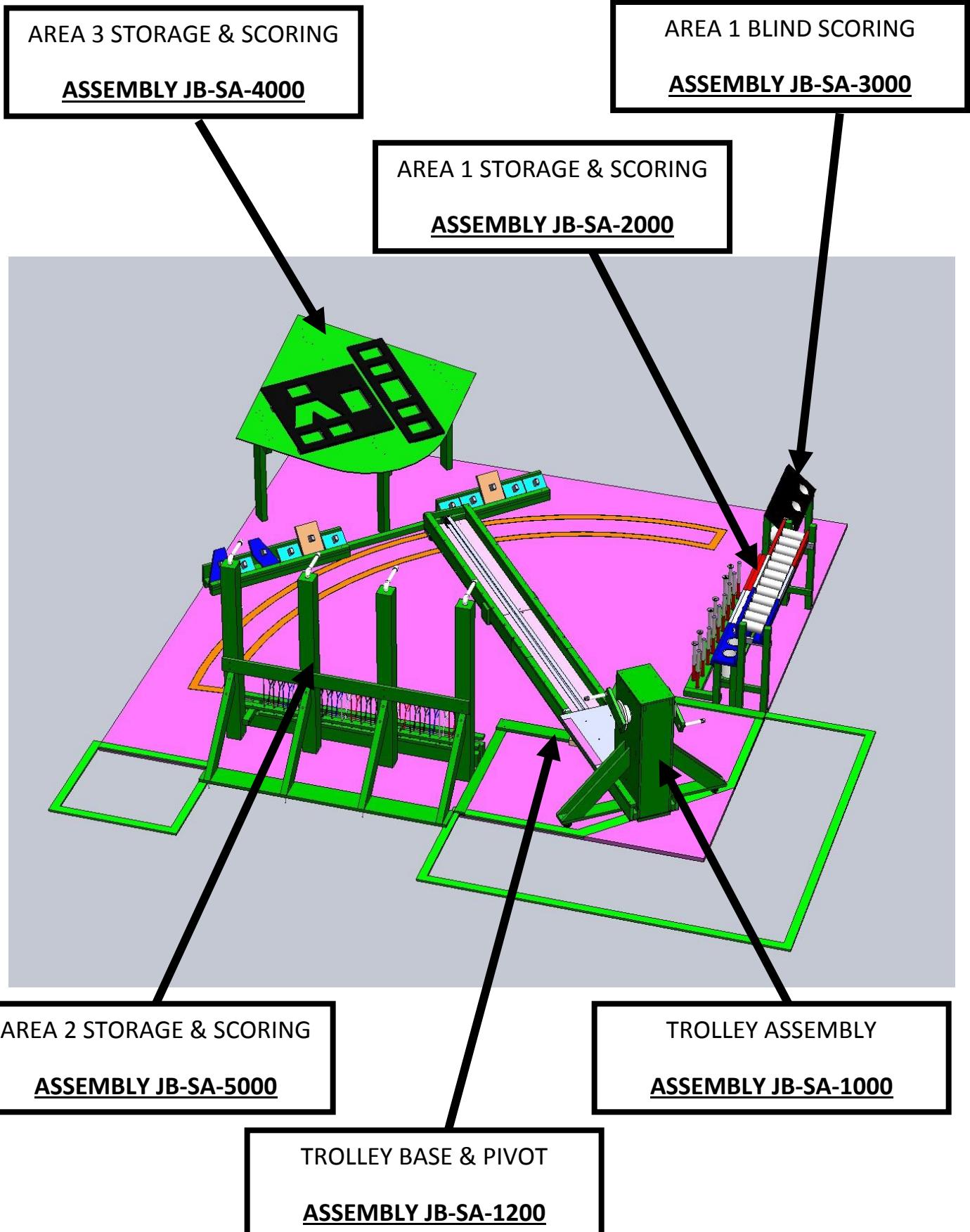
- The other method used was to drill a 8mm or 5/16" hole to form the bottom of the slot, and then use a saber saw or jig saw to cut straight back to the edges of the drilled hole to form the slot.
 - This method requires each board to be cut individually and therefore the slots when assembled do not align as well
- Using either method, it is a good idea to take a hanger and check each slot before assembling to verify clearance and a smooth fit. You want the hangers to be easily removed when pulled straight up.

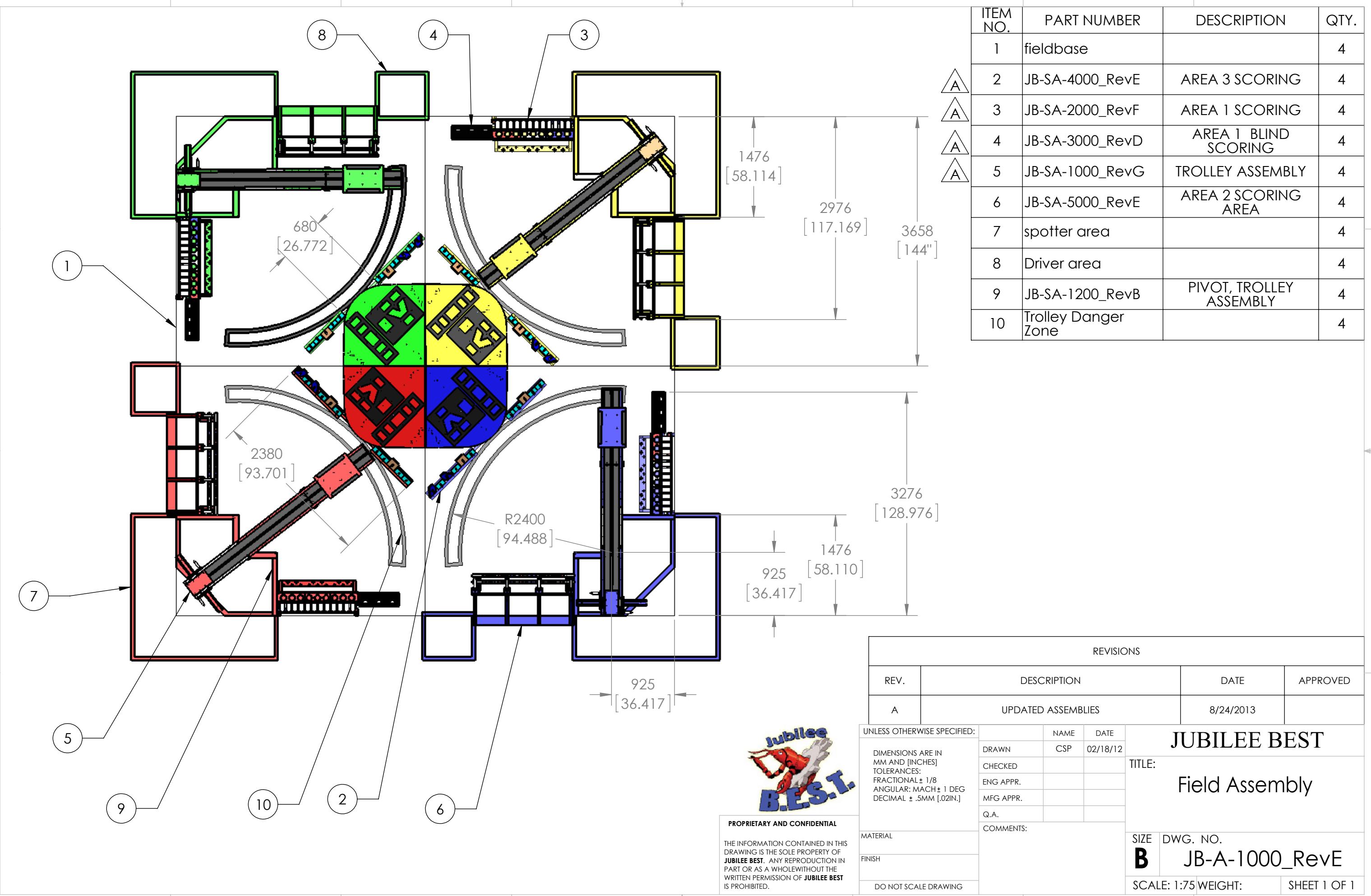
FIELD QUADRANT

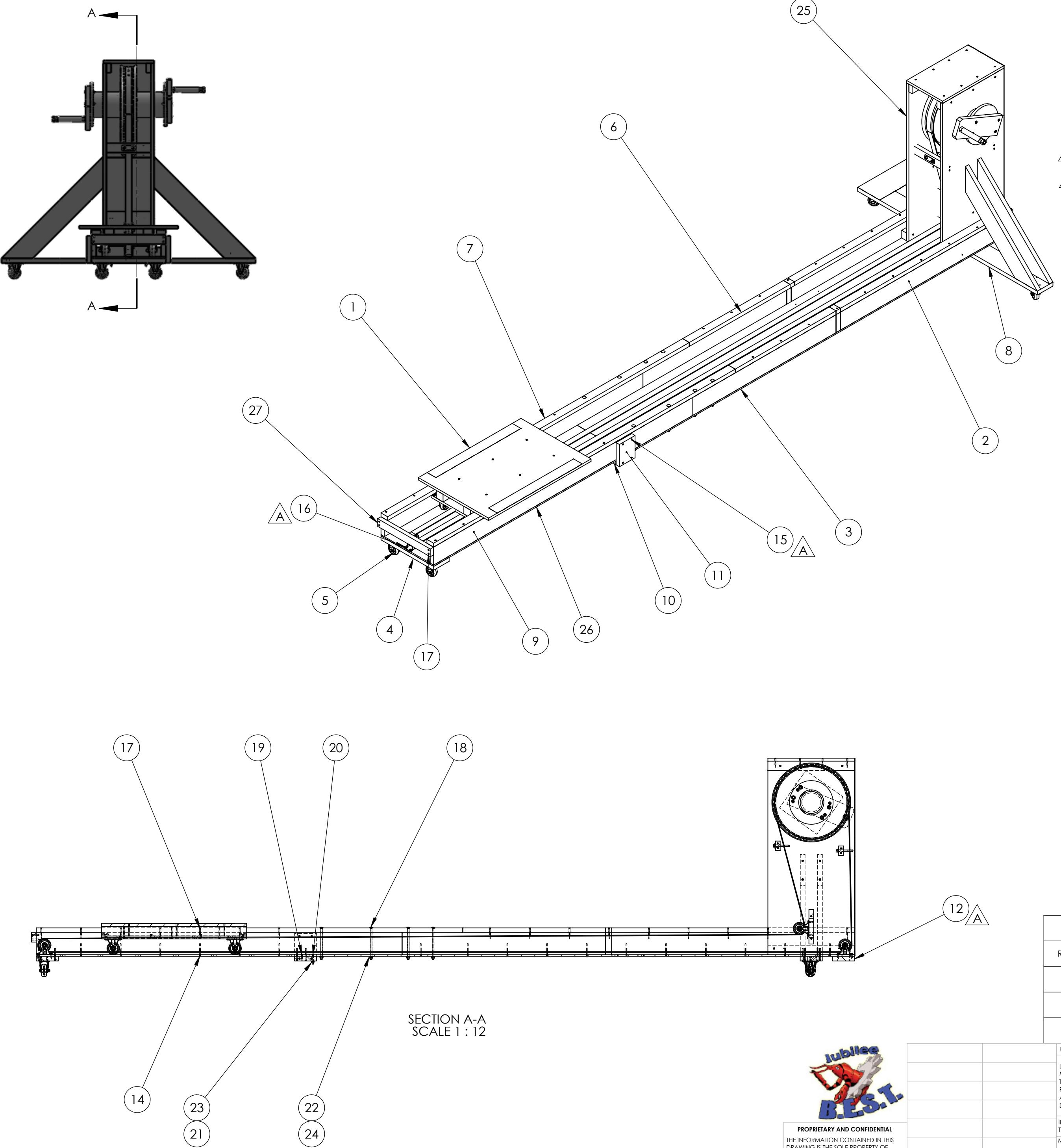
General Information



QUADRANT DETAILS







ITEM NO.	PART NUMBER	DESCRIPTION	Default/QT Y.
1	JB-SA-1100_RevD	SKATE ASSEMBLY	1
2	JB-P-1002_RevB	RAIL, TROLLEY, SIDE	2
3	JB-P-1003_RevC	DECK, TROLLEY, BOTTOM	1
4	JB-P-1021_RevB	SPACER, TROLLEY WHEELS	1
5	JB-P-1106	2" HD INDUSTRIAL CASTER	7
6	JB-P-1011_RevD	GUIDE RAIL, TOP TROLLEY CRANK END	2
7	JB-P-1012_RevB	GUIDE RAIL, TOP TROLLEY FAR END	2
8	JB-P-1014_RevC	BASE, OUTRIGGER TROLLEY UNIT	1
9	JB-P-1020	SIDE GUIDE RAIL, TROLLEY FAR END	2
10	JB-P-1026	SPLICE BRACE, DECK SEAM	1
11	JB-P-1027	BLOCK ALIGNMENT SIDE RAIL	2
12	JB-P-1028	BACKING BOARD, SCREW PROTECTOR	1
13	JB-X-BELT	HABASIT BELT	1
14	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW COARSE THREAD	60
15	SELF-TAPPING SCREW	#8 X 1-1/4" DRY WALL SCREW COARSE THREAD	8
16	SELF-TAPPING SCREW	#10 X 3/4" PAN HEAD SCREW	28
17	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	38
18	CARRIAGE BOLT	1/4"-20 X 5" CARRIAGE BOLT	8
19	SELF-TAPPING SCREW	#8 - 0.75" WOOD SCREW	2
20	MACHINE SCREW	#10-24 x 1.5" Flat Head Machine Screw	2
21	FLAT WASHER	#10 FLAT WASHER	2
22	FLAT WASHER	1/4" FLAT WASHER	8
23	HEX NUT	#10 HEX NUT	2
24	HEX NUT	1/4"-20 HEX NUT	8
25	JB-SA-1500_RevC	CRANK SUB-ASSEMBLY FOR TROLLEY UNIT	1
26	JB-P-1004_RevE	DECK, END TROLLEY, BOTTOM	1
27	JB-P-1025	BRACE, TROLLEY END STOP	1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED BALLOONS TO IDENTIFY PARTS, UPDATED DRAWINGS, ADDED SHEET 2 FOR BELT DIAGRAM	7/9/2013	
B	ADDED SHEET 3 WHICH HAS ASSEMBLY DIMENSIONS	7/28/2013	
C	SHEET 1 UPDATED JB-P-1011_RevD SHEET 2 SKATE ATTACHMENT POINT	8/24/2013	

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST
DRAWN		03/01/13	
CHECKED			
ENG APPR.			
MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.	COMMENTS:	
MATERIAL			
NEXT ASSY	USED ON	FINISH	
APPLICATION	DO NOT SCALE DRAWING		

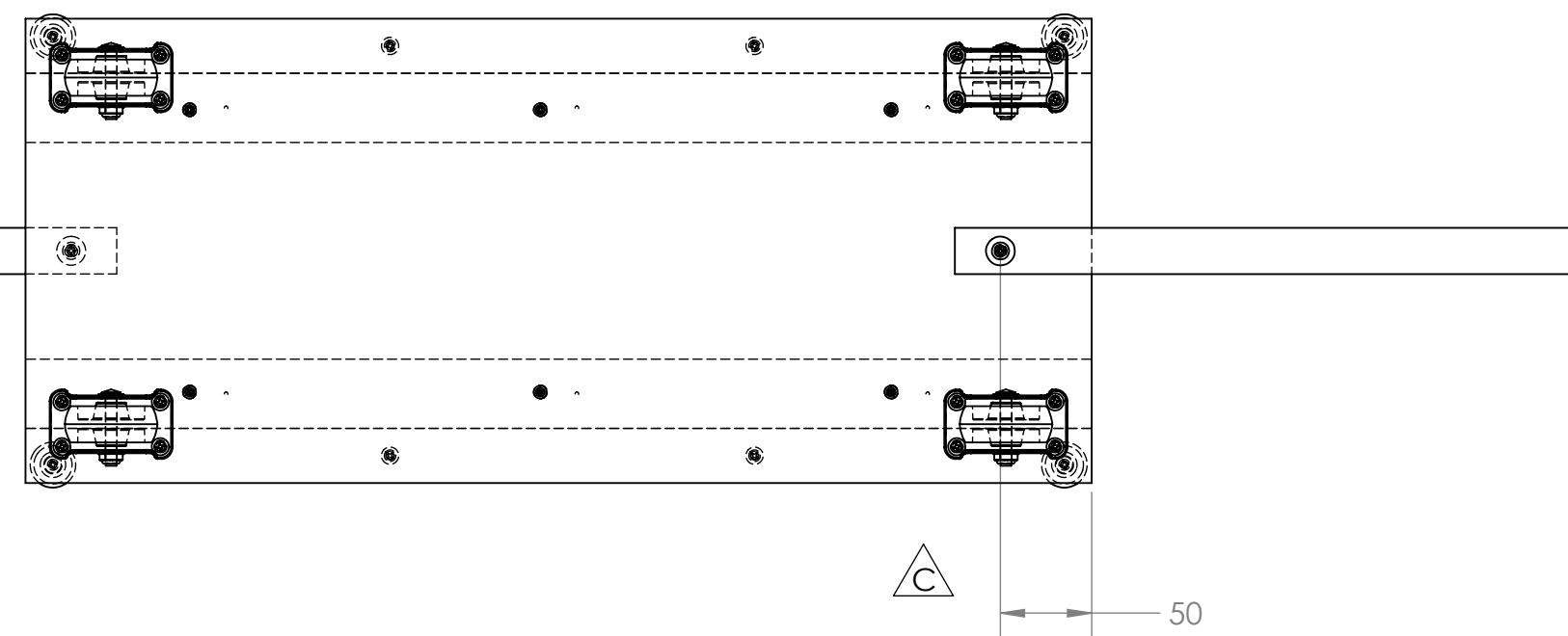
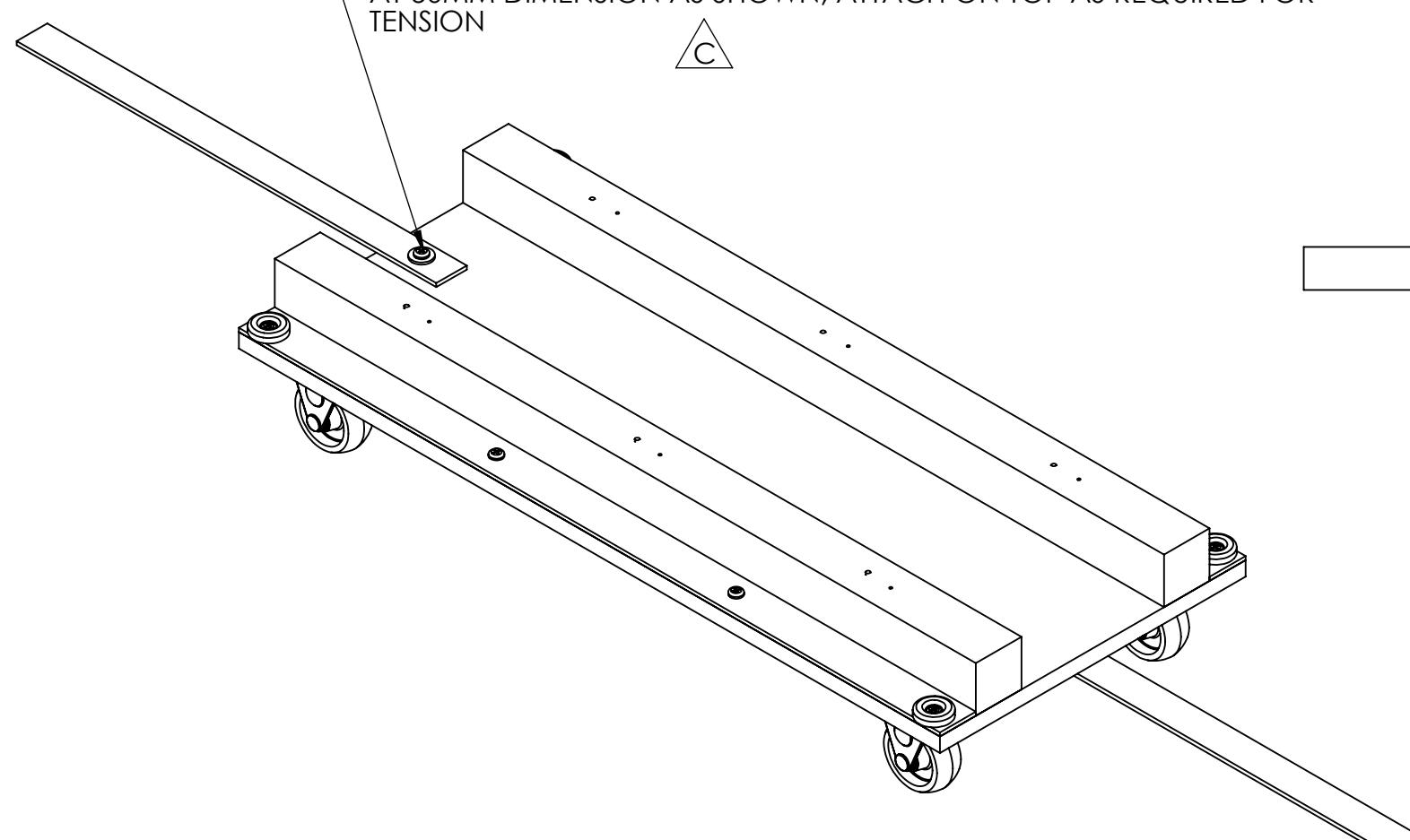
SIZE DWG. NO.
C JB-SA-1000_RevG

SCALE: 1:25 WEIGHT: SHEET 1 OF 3

Jubilee
B.E.S.T.
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F

ATTACH WITH #10x3/4" SCREW AND 1/4" FLAT WASHER
 PLACE SCREW 1" FROM THE END OF THE BELT AND ATTACH ON BOTTOM
 AT 50MM DIMENSION AS SHOWN, ATTACH ON TOP AS REQUIRED FOR
 TENSION



50

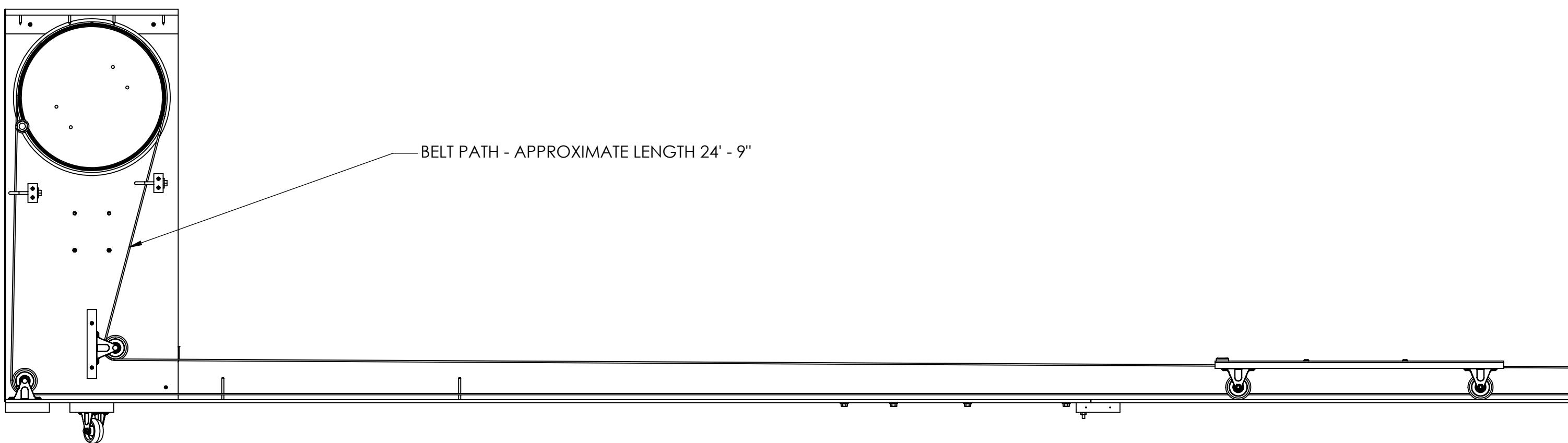
D

B

C

B

A



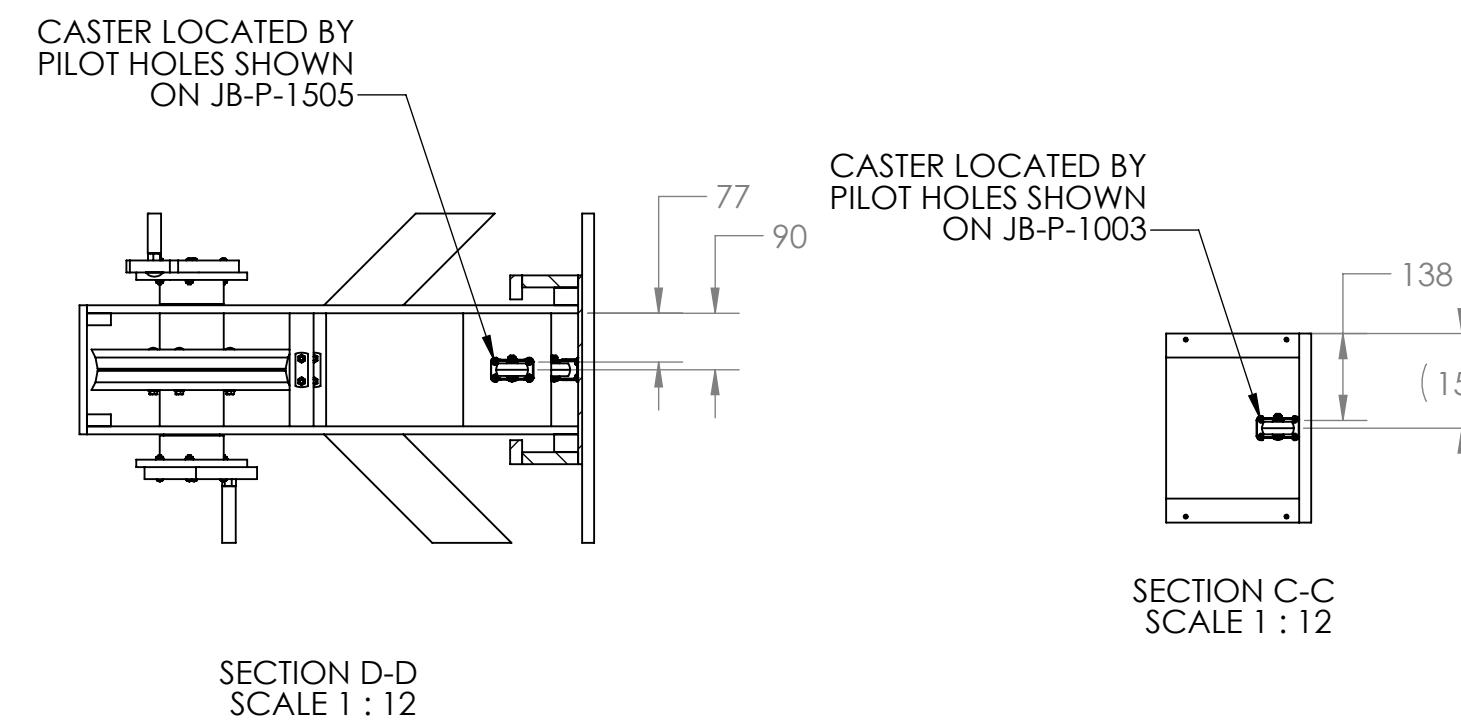
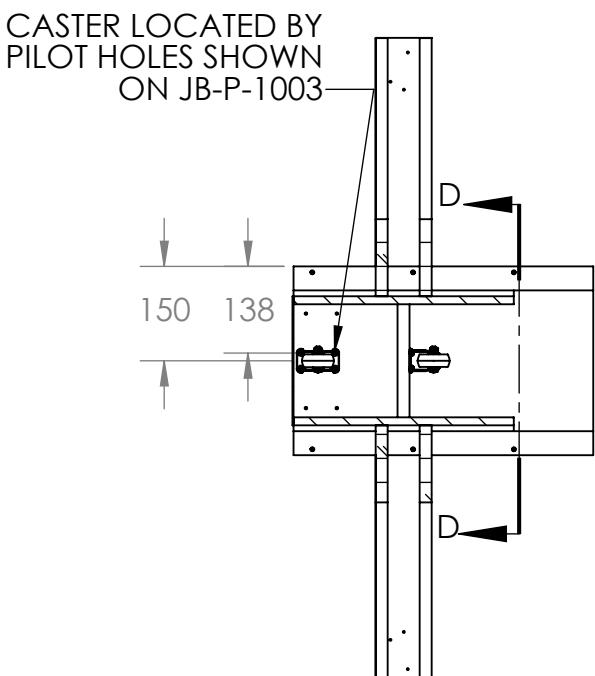
BELT PATH - APPROXIMATE LENGTH 24' - 9"

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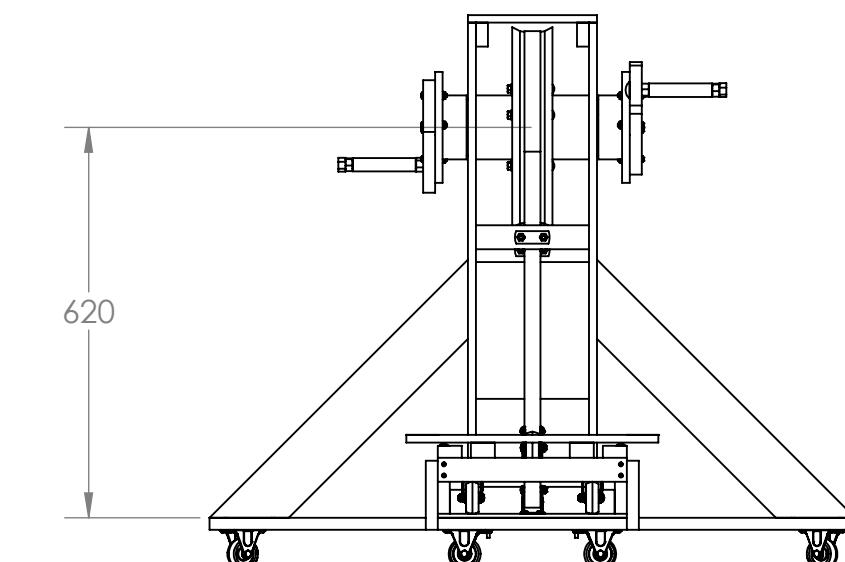
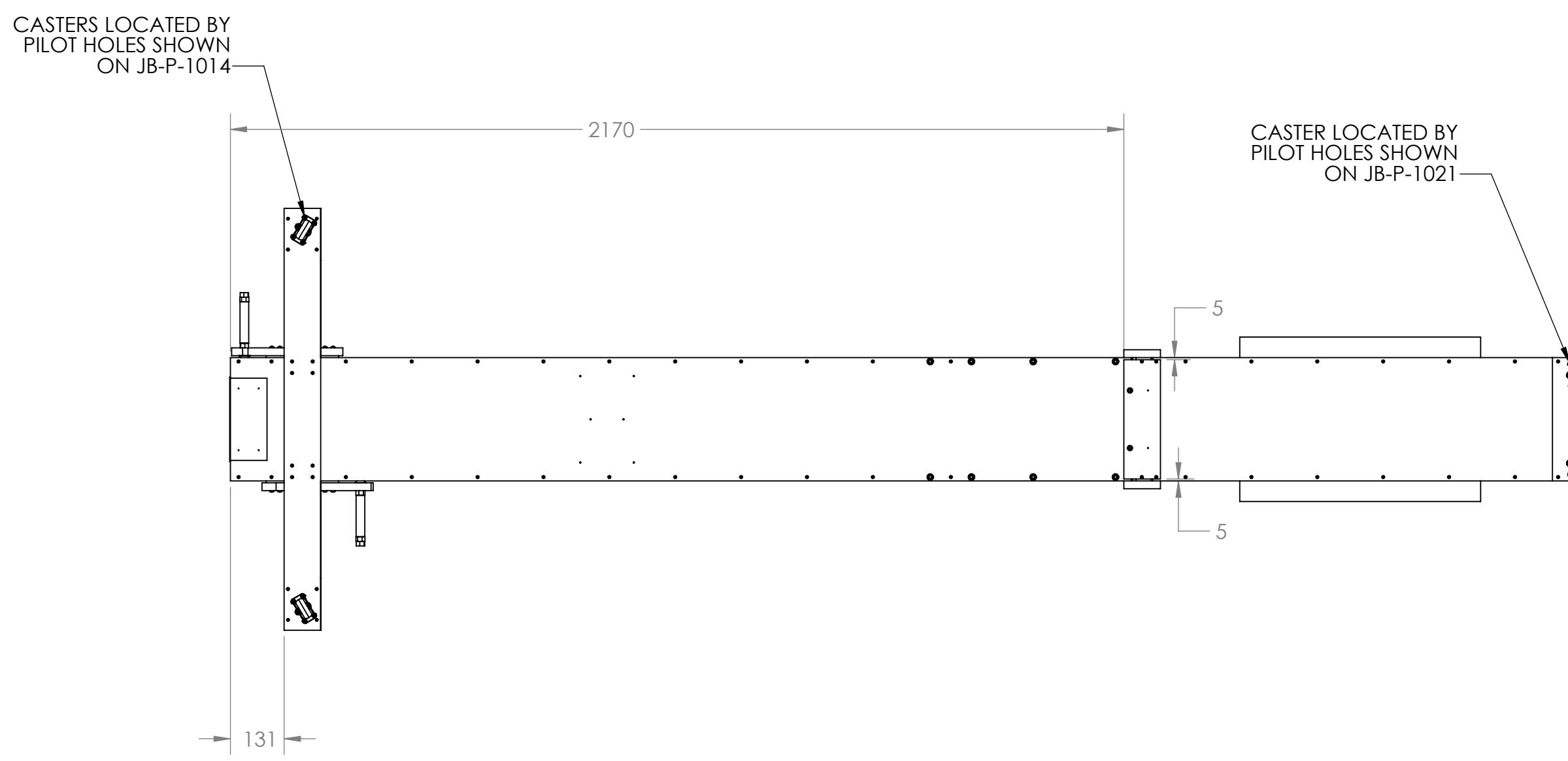
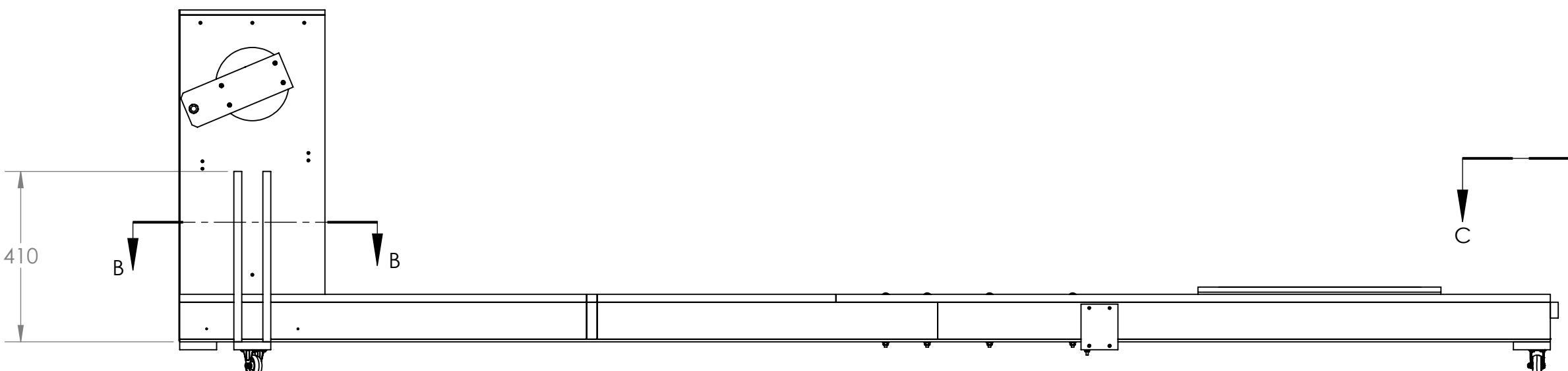
		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN 03/01/13	NAME DATE
		INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL	CHECKED	
			ENG APPR.	
			MFG APPR.	
			Q.A.	
		COMMENTS:		
	NEXT ASSY	USED ON	FINISH	
	APPLICATION		DO NOT SCALE DRAWING	

JUBILEE BEST
 TITLE:
 TROLLEY ASSEMBLY
 SIZE DWG. NO.
C JB-SA-1000_RevG
 SCALE: 1:25 WEIGHT: SHEET 2 OF 3

8 7 6 5 4 3 2 1



BELT NOT SHOWN FOR CLARITY
SECTION B-B
SCALE 1:12



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		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	DRAWN 03/01/13	NAME DATE
		CHECKED		
		ENG APPR.		
		MFG APPR.		
		Q.A.		
		COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		
	NEXT ASSY	USED ON	FINISH	
	APPLICATION	DO NOT SCALE DRAWING		

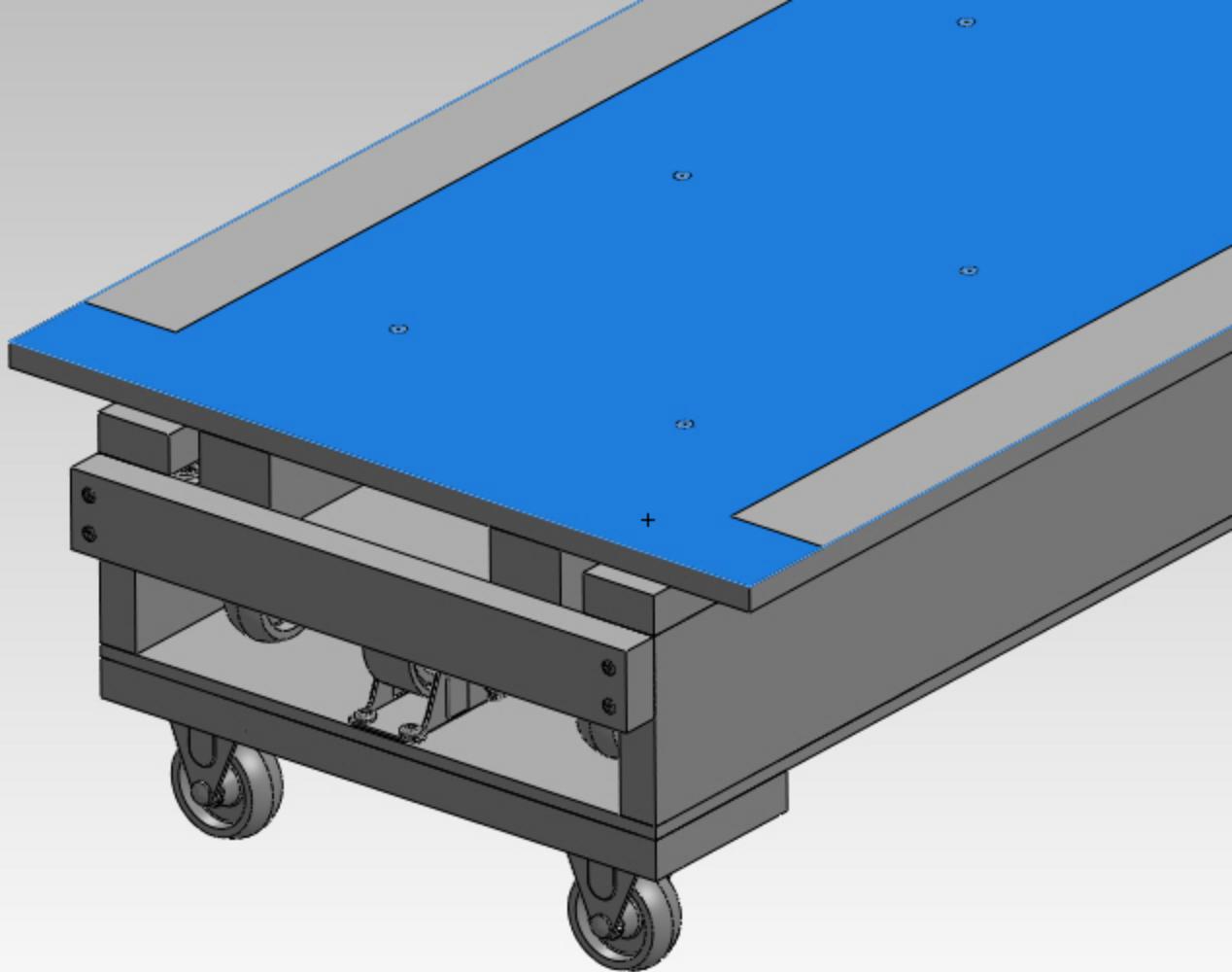
JUBILEE BEST

TITLE:
TROLLEY ASSEMBLY

SIZE DWG. NO.

C JB-SA-1000_RevG

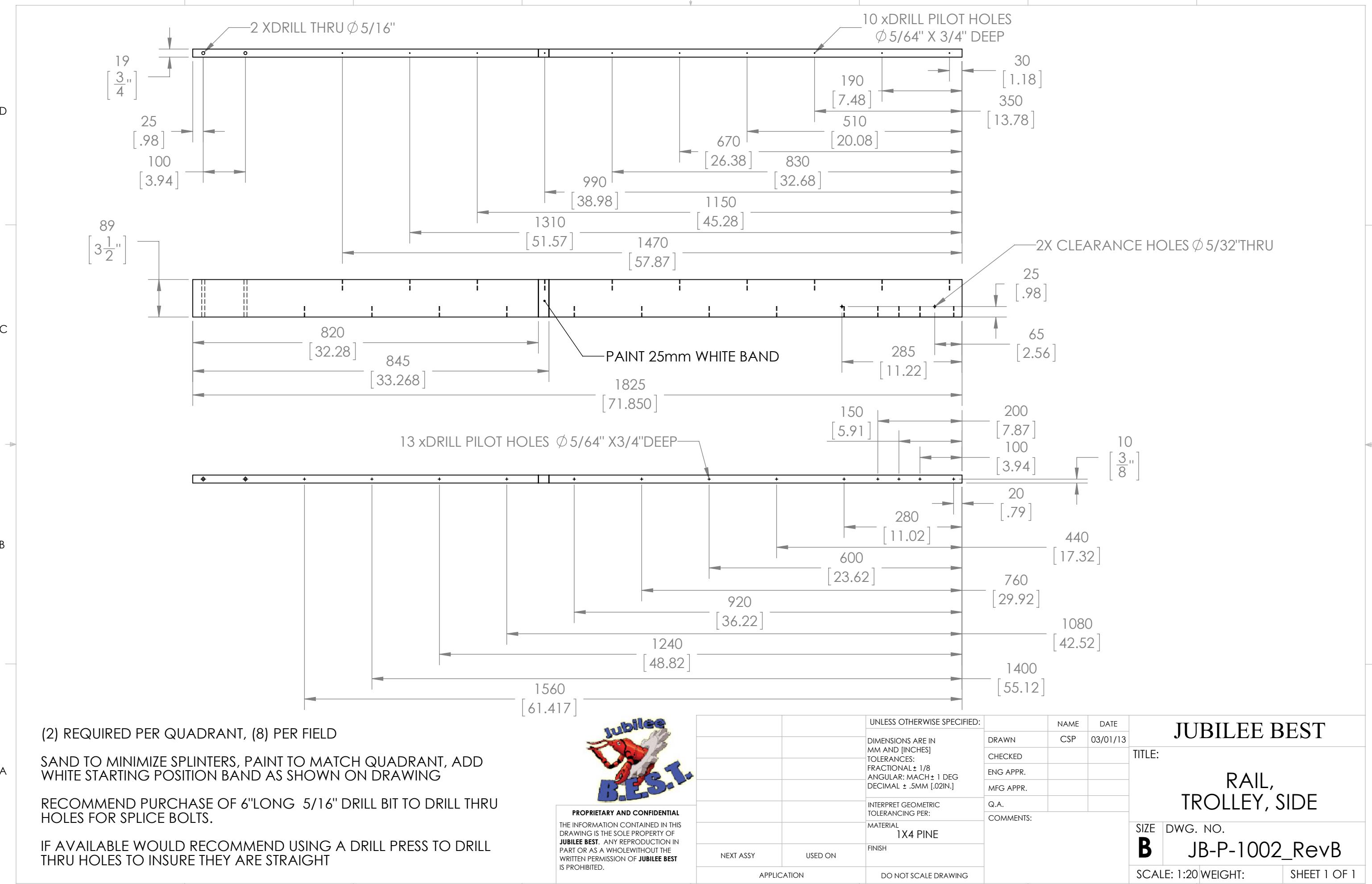
SCALE: 1:25 WEIGHT: SHEET 3 OF 3

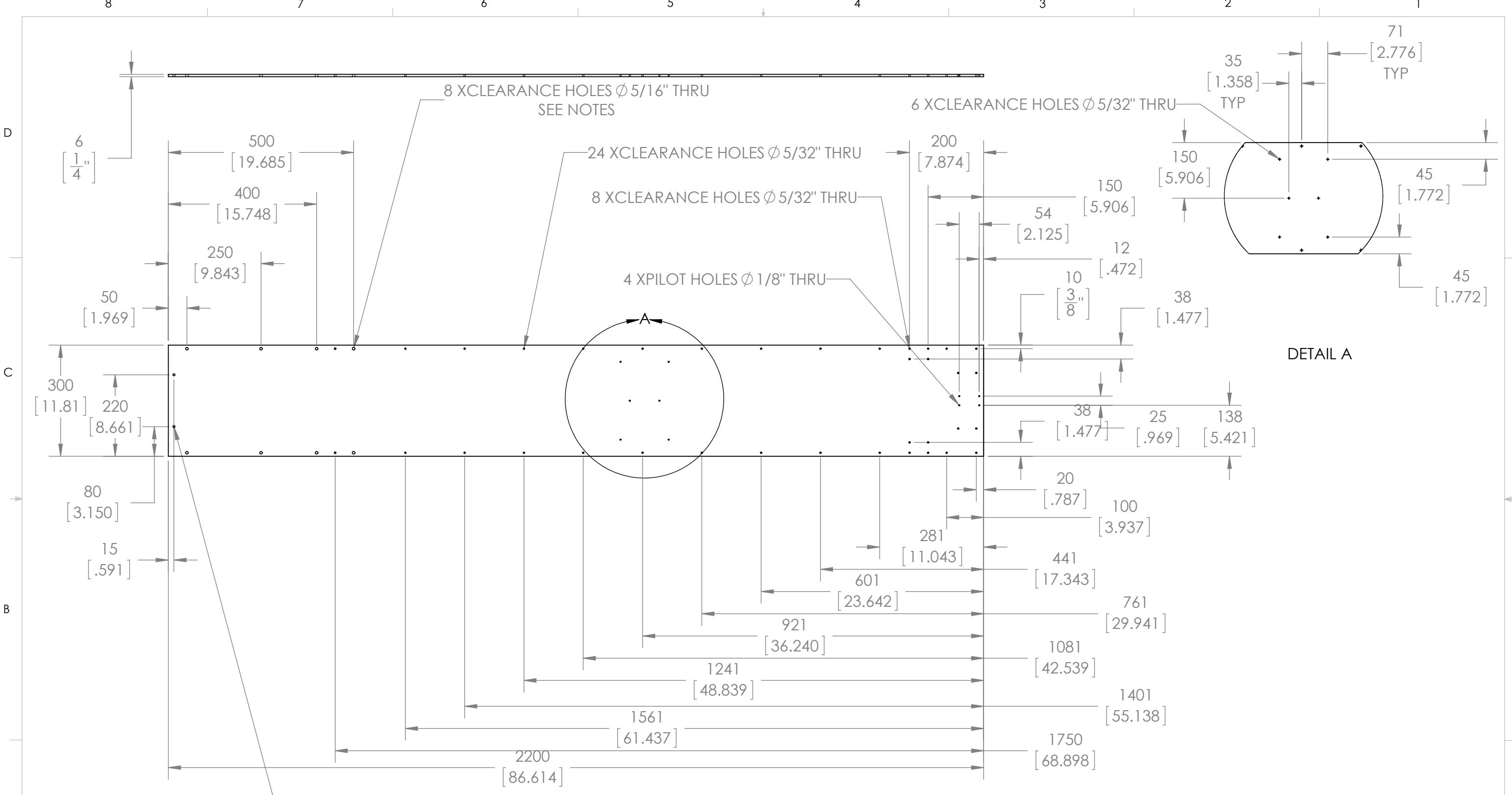


I will make a correction here the attachment location needs to move in to 2" to clear wheel

Stop P-1025 will stop skate

Belt to attach to bottom of Skate
Top P-1101





(1) REQUIRED PER QUADRANT (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT BLACK

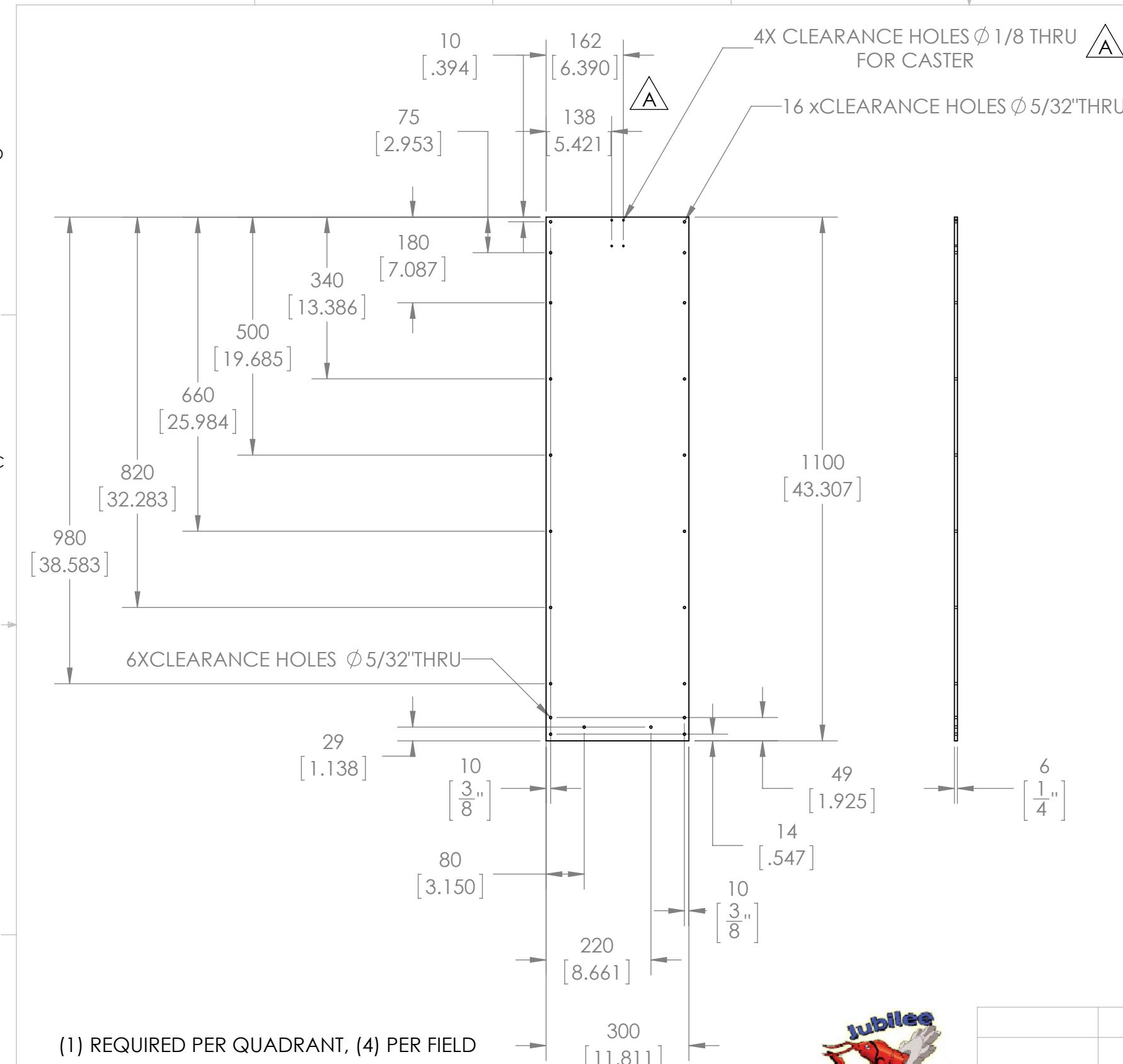
**RECOMMEND DRILLING 5/16" CLEARANCE HOLES DURING ASSEMBLY
USING HOLES IN SIDE RAIL AS GUIDE**



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IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: DECK, TROLLEY, BOTTOM
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL \pm 1/8	CHECKED			
		ANGULAR: MACH \pm 1 DEG	ENG APPR.			
		DECIMAL \pm .5MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 1/4" BC PINE PLYWOOD	COMMENTS:			
NEXT ASSY	USED ON	FINISH				SIZE DWG. NO. B JB-P-1003_RevC
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:10		WEIGHT:	
					SHEET 1 OF 1	

8 7 6 5 4 3 2 1



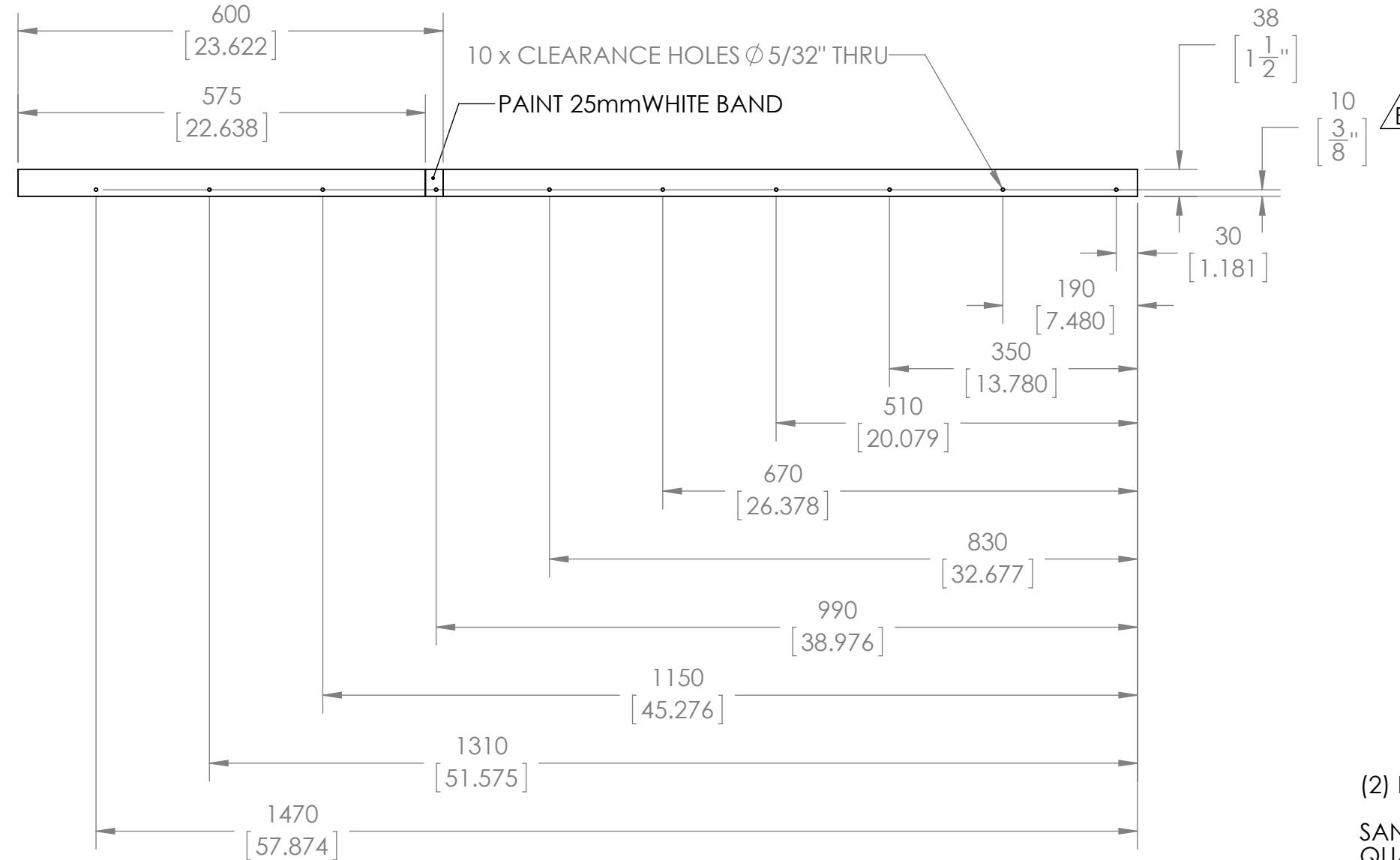
(1) REQUIRED PER QUADRANT, (4) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT BLACK



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: DECK, END TROLLEY, BOTTOM SIZE DWG. NO. B JB-P-1004_RevD SCALE: 1:10 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/22/12	
		TOLERANCES:	CHECKED			
		FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	ENG APPR.			
		MATERIAL	MFG APPR.			
		1/4" BC PINE PLYWOOD	Q.A.			
NEXT ASSY		FINISH	COMMENTS:			
APPLICATION		DO NOT SCALE DRAWING				

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT AND ADD STARTING STRIPE AS INDICATED ON DRAWING.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED OVERALL DIMENSION	7/9/2013	
B	ADDED DIMENSION	8/24/2013	

UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	03/01/13
TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG	CHECKED		
DECIMAL $\pm .5MM [.02IN.]$	ENG APPR.		
INTERPRET GEOMETRIC TOLERANCING PER:	MFG APPR.		
	Q.A.		
	COMMENTS:		
MATERIAL 1X2 PINE			
NEXT ASSY	USED ON	FINISH	
APPLICATION		DO NOT SCALE DRAWING	



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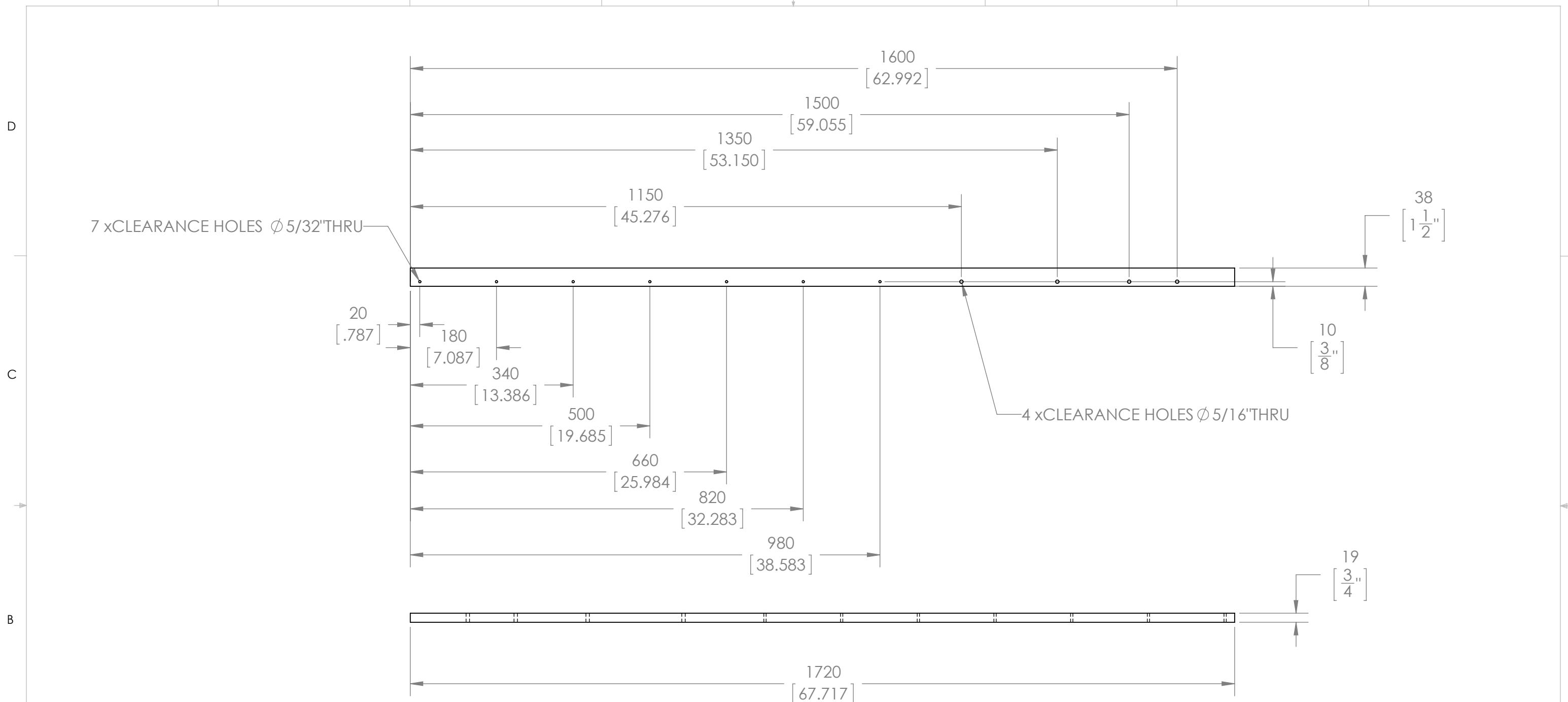
JUBILEE BEST

TITLE:
GUIDE RAIL, TOP
TROLLEY CRANK END

SIZE DWG. NO.
B JB-P-1011_RevD

SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8) PER FIELD

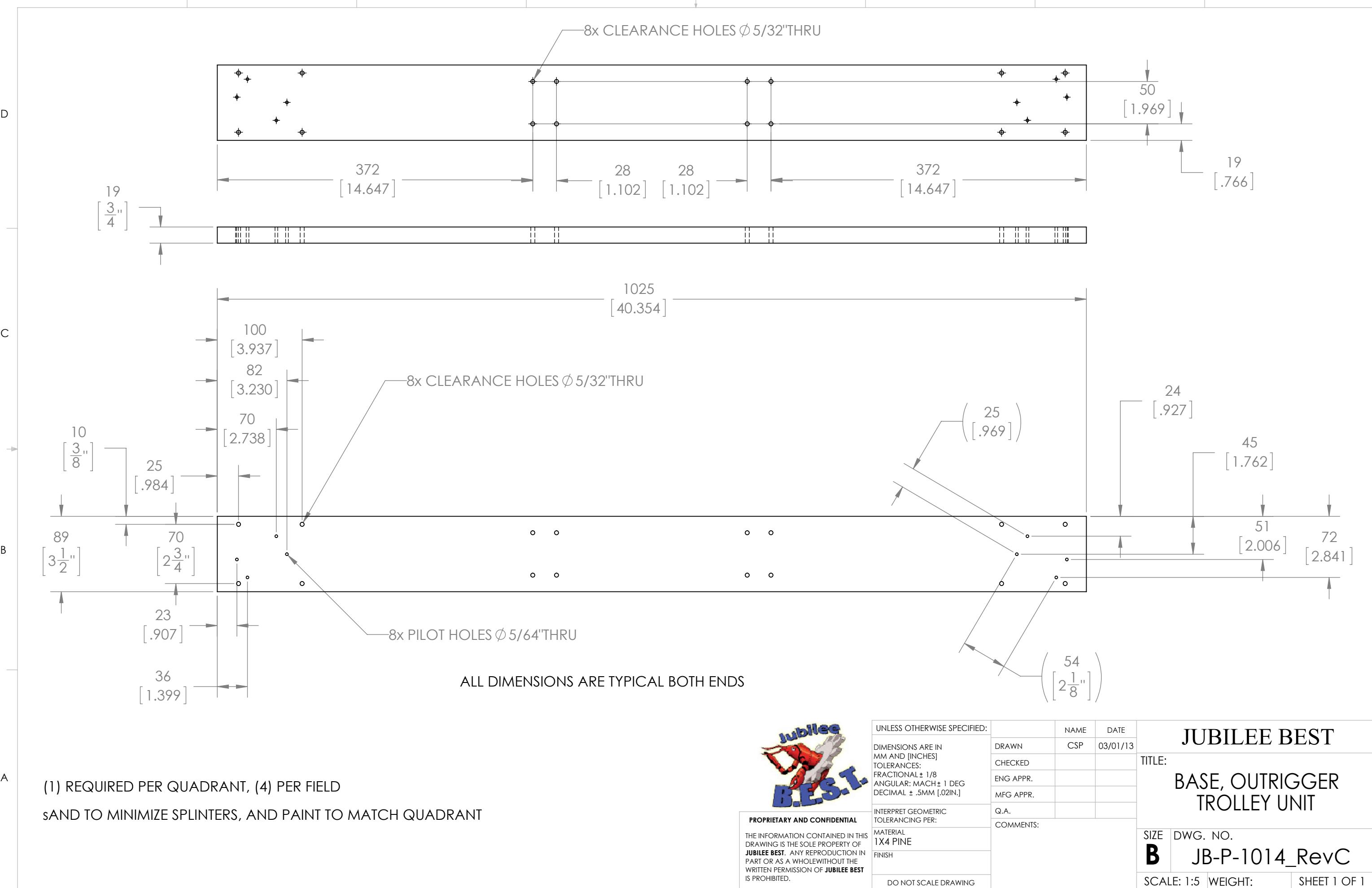
SAND ALL EDGES TO MINIMIZE SPLINTERS,
PAINT TO MATCH QUADRANTRECOMMEND DRILLING 5/16" HOLES
DURING ASSEMBLY USING THE SIDE RAIL AS
A GUIDE

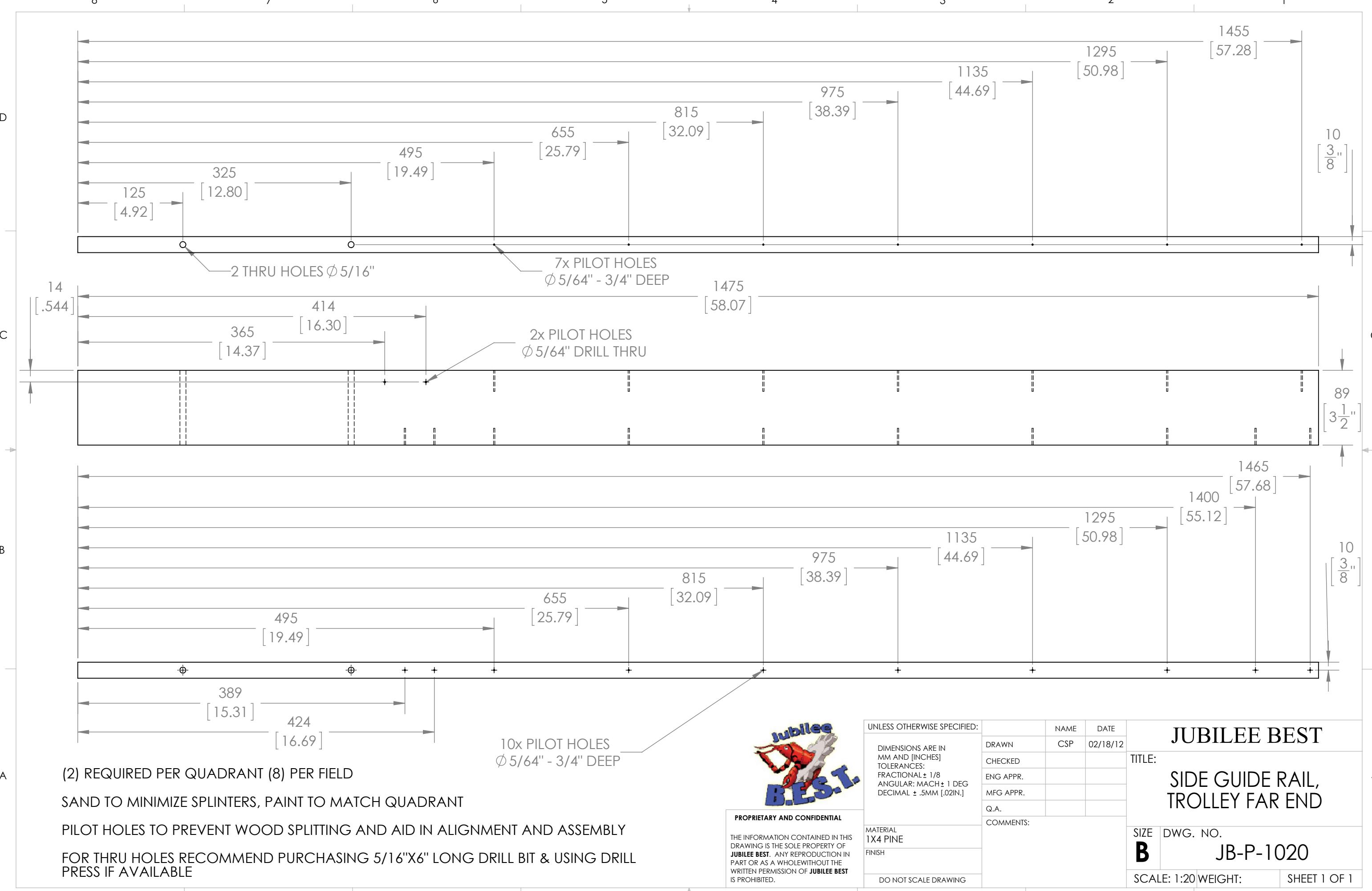
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DRAWING IS THE SOLE PROPERTY OF
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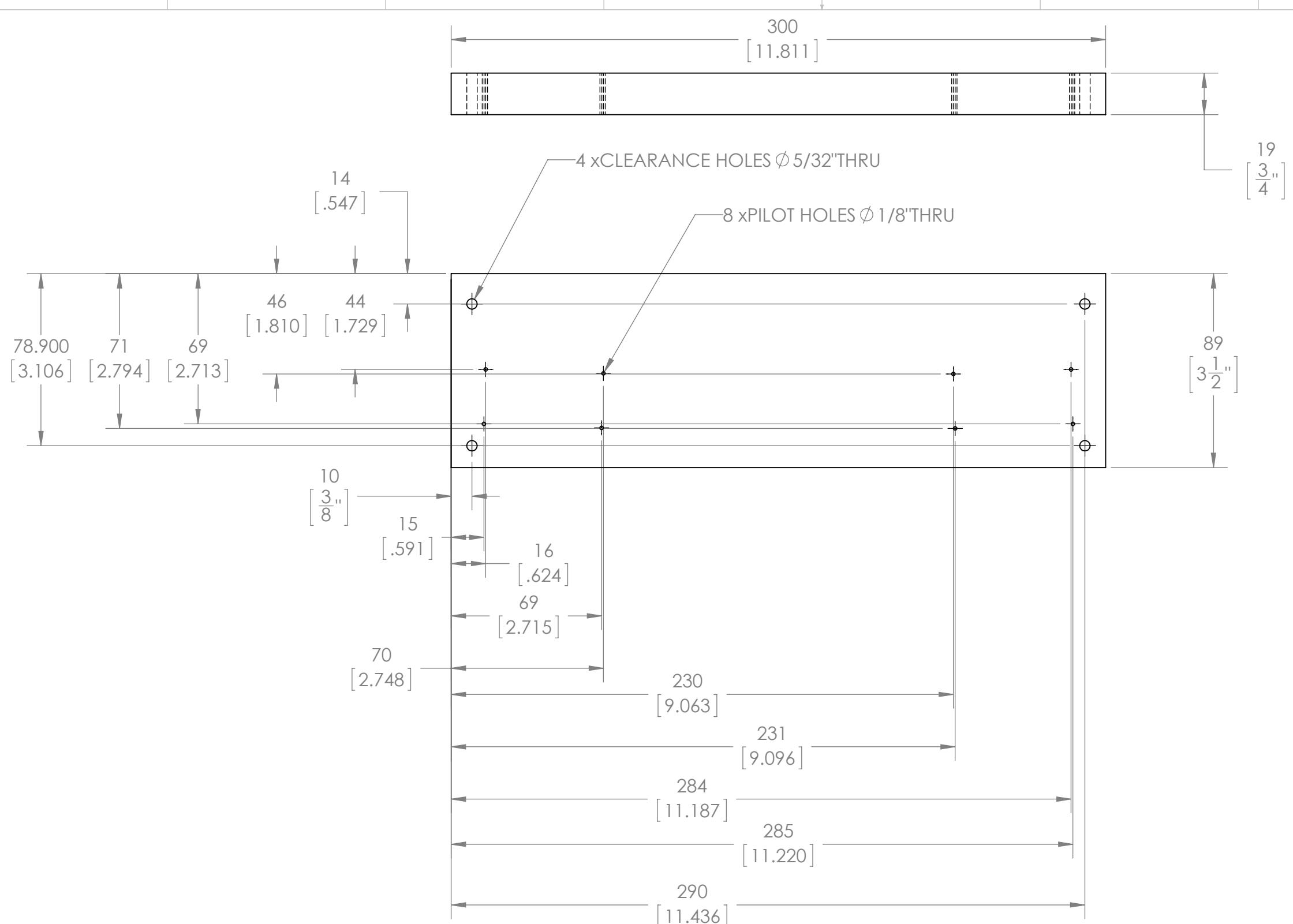
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	03/01/13	
		TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	CHECKED			
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			
		MATERIAL	MFG APPR.			
		1X2 PINE	Q.A.			
	NEXT ASSY	USED ON	FINISH	COMMENTS:		
		APPLICATION	DO NOT SCALE DRAWING			
SCALE: 1:10	WEIGHT:			SHEET 1 OF 1		

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1







(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT BLACK OR MATCH QUADRANT



PROPRIETARY AND CONFIDENTIAL

MA
1X
FIN

UNLESS OTHERWISE SPECIFIED:			NAME	DATE
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]		DRAWN	CSP	5/8/13
		CHECKED		
		ENG APPR.		
		MFG APPR.		
		Q.A.		
			COMMENTS:	
MATERIAL 1X4 PINE				
FINISH				
DO NOT SCALE DRAWING				

JUBILEE BEST

SPACER, TROLLEY WHEELS

ZE DWG. NO.
3 **JB-P-1021**

SCALE: 1:2 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

D

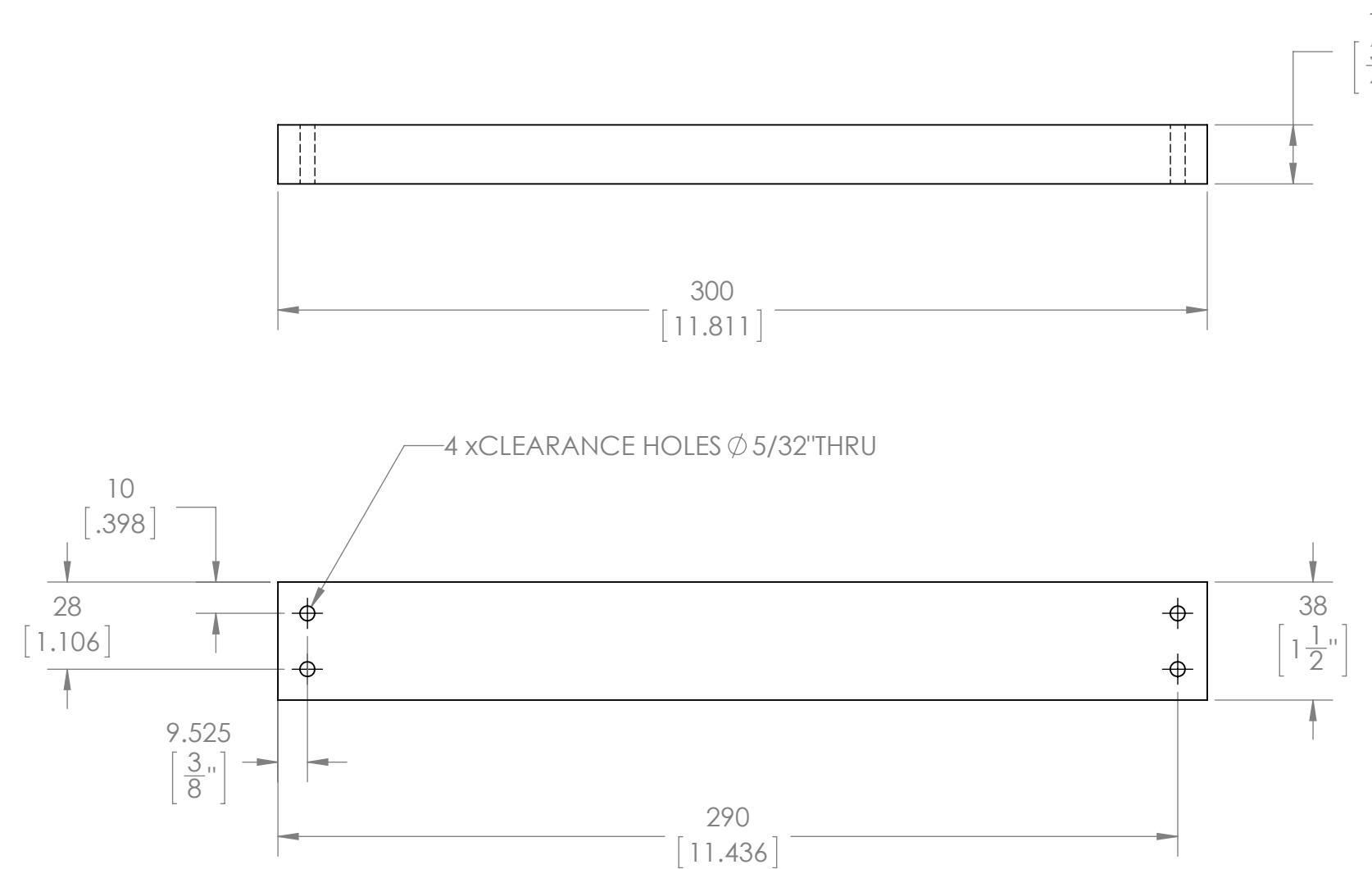
D

C

C

B

B



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, AND PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		
DIMENSIONS ARE IN MM AND [INCHES]	NAME	DATE
TOLERANCES: FRACTIONAL \pm 1/8	DRAWN	CSP 02/18/12
ANGULAR: MACH \pm 1 DEG	CHECKED	
DECIMAL \pm .5MM [.02IN.]	ENG APPR.	
	MFG APPR.	
	Q.A.	
COMMENTS:		
MATERIAL 1X2 PINE		
FINISH		
DO NOT SCALE DRAWING		

JUBILEE BEST

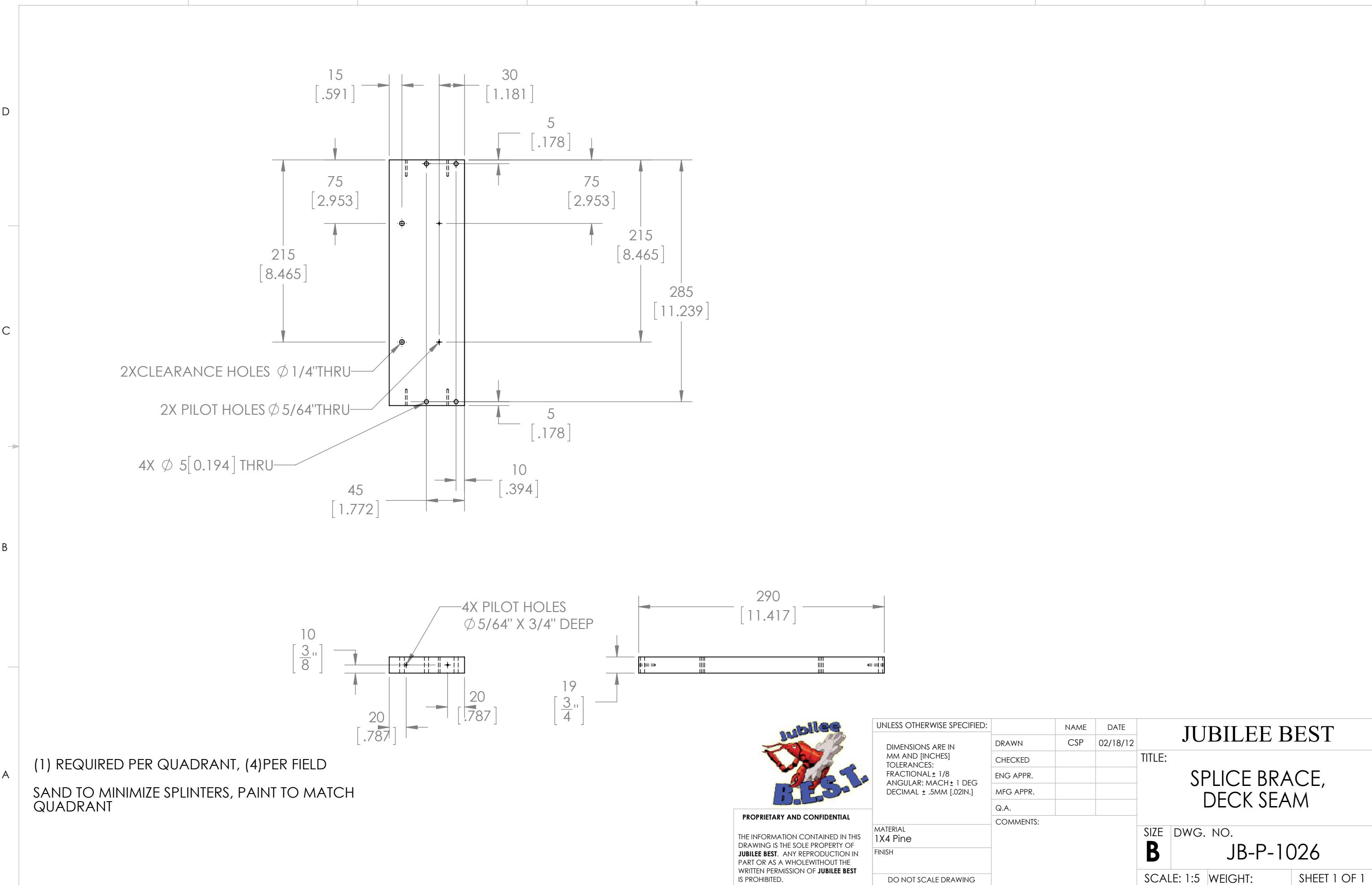
TITLE:
BRACE,
TROLLEY END STOP

SIZE DWG. NO.
B JB-P-1025

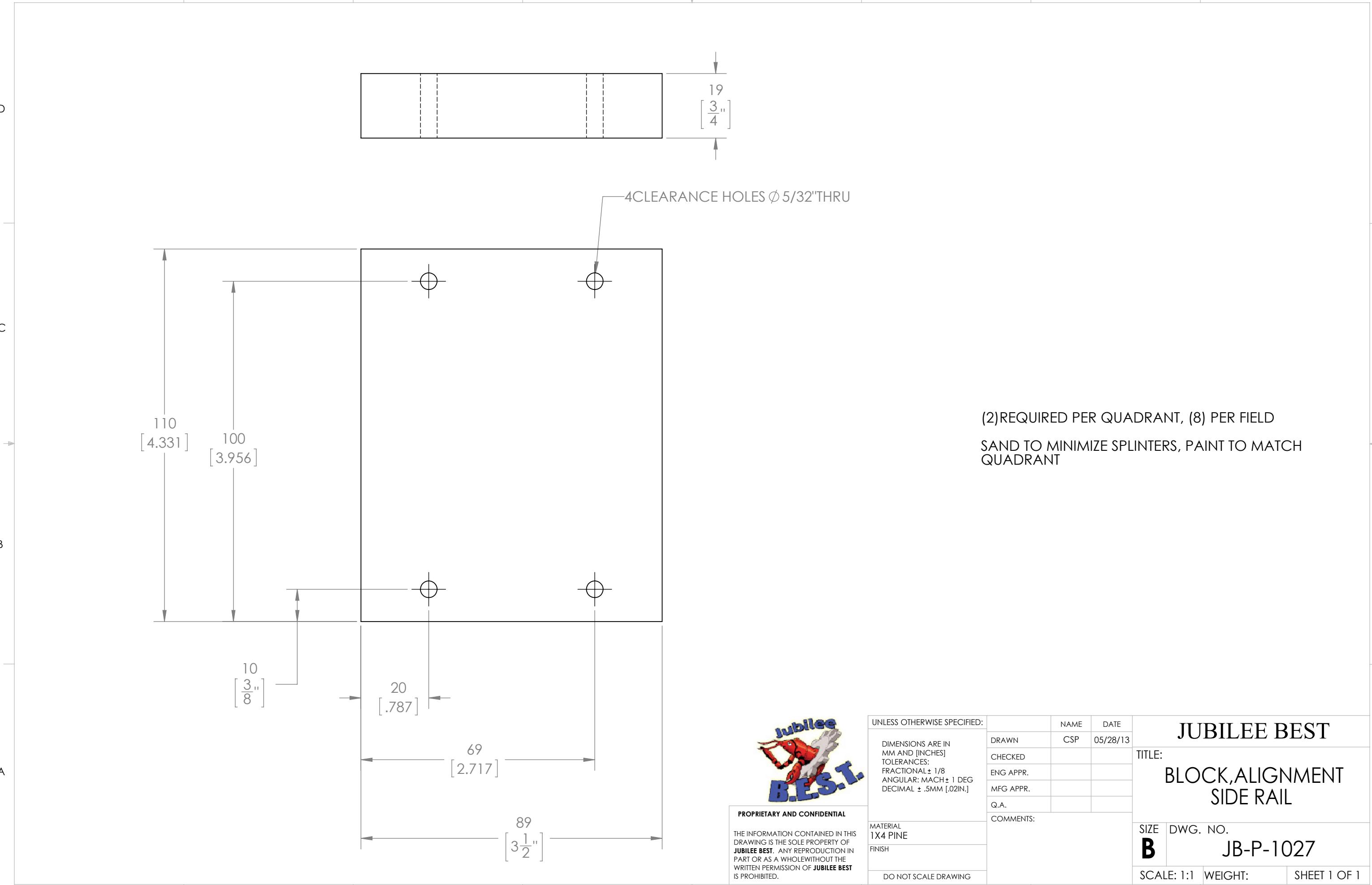
SCALE: 1:2 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

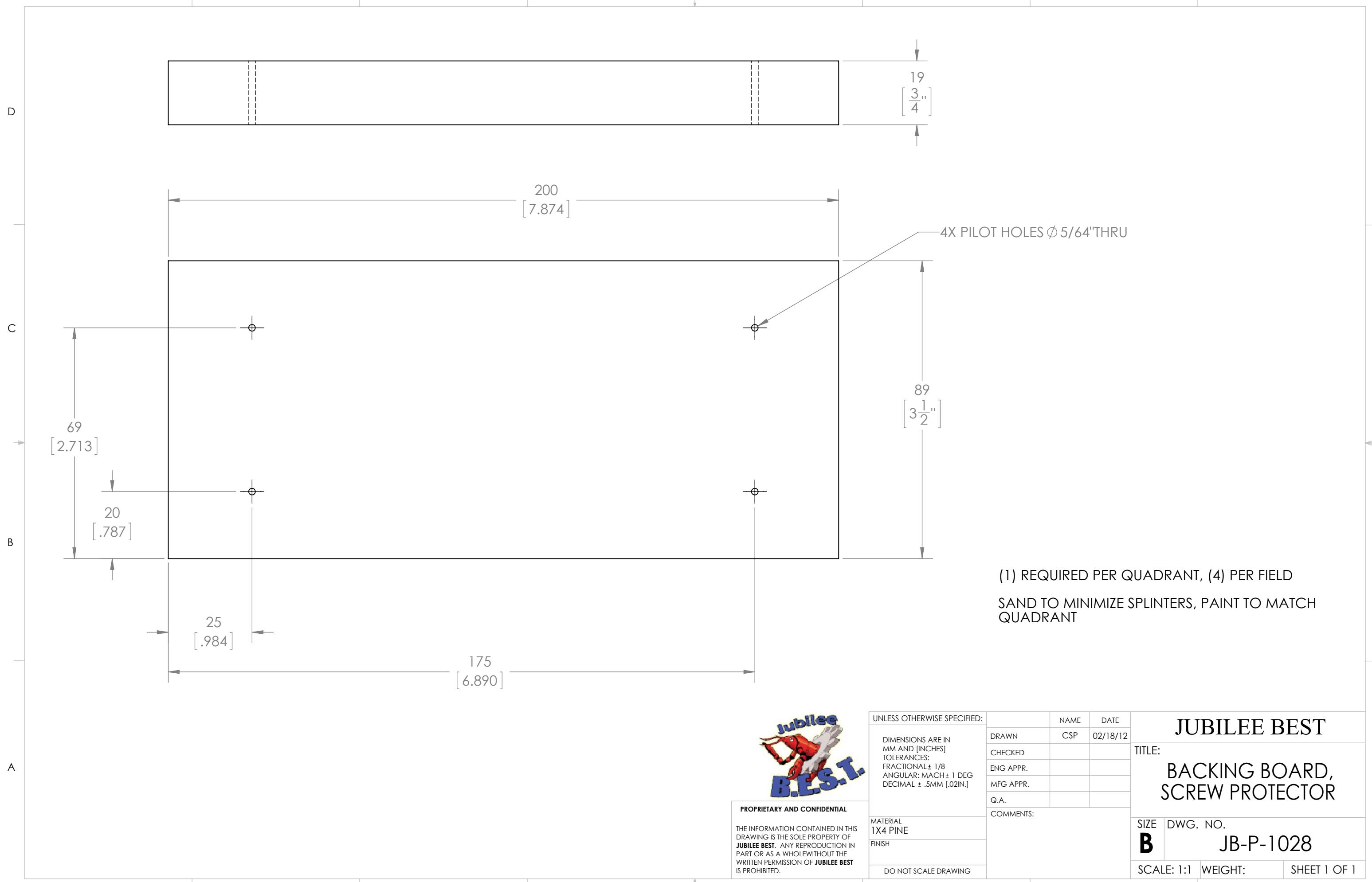


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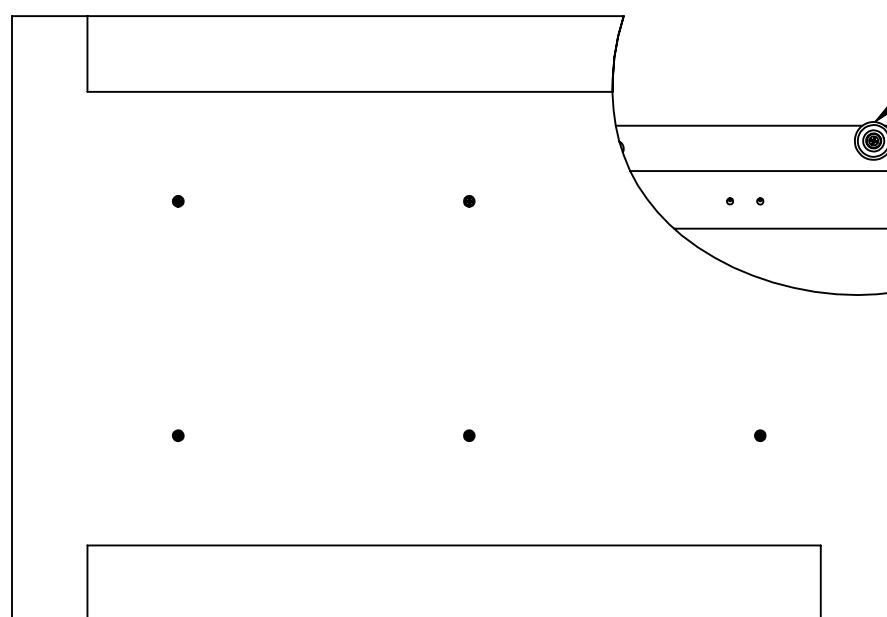
JUBILEE BEST		
TITLE: BLOCK ALIGNMENT SIDE RAIL		
SIZE	DWG. NO.	
B	JB-P-1027	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	05/28/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	1X4 PINE	
FINISH		
DO NOT SCALE DRAWING		

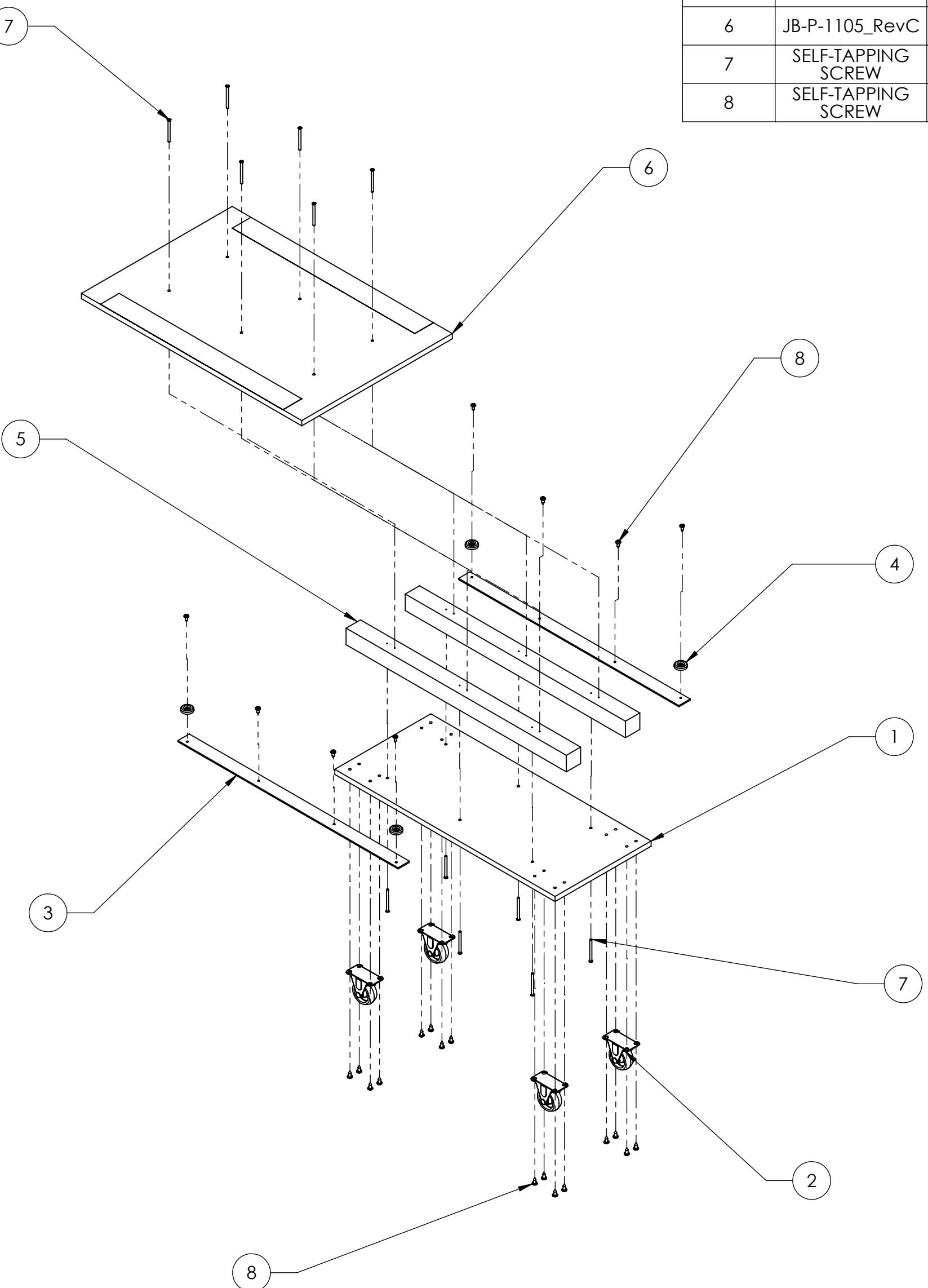
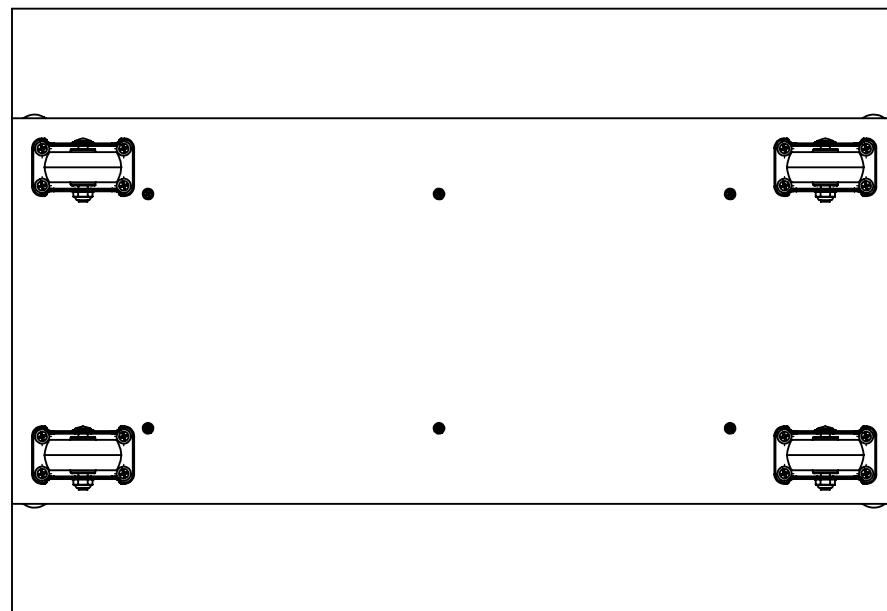
8 7 6 5 4 3 2 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-1101_RevC	BOARD, SKATE TOP	1
2	JB-P-1106	2" HD INDUSTRIAL CASTER	4
3	JB-P-1102_RevB	HARDBOARD SPACER	2
4	SHEPHARD PART #9432	SLIDER ROUND, FURNITURE	4
5	JB-P-1104_RevC	SUPPORT, ROBOT BASE	2
6	JB-P-1105_RevC	ROBOT MOUNTING BASE	1
7	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW	12
8	SELF-TAPPING SCREW	#10 X 1/2" PAN HEAD SCREW	20



SLIDER WILL STICK OUT PAST SIDE OF SKATE



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD

DURING ASSEMBLY VERIFY SKATE TOP AND ROBOT MOUNTING BASE LINE UP EVENLY

CHECK SKATE AFTER ASSEMBLY AND CHECK FOR PROTRUDING SCREW TIPS, (FILE OFF OR REPLACE WITH SHORTER SCREW IF FOUND)

USE A STRAIGHT EDGE AND VERIFY WHEELS ARE IN LINE, ADJUST AS NECESSARY TO GET STRAIGHT



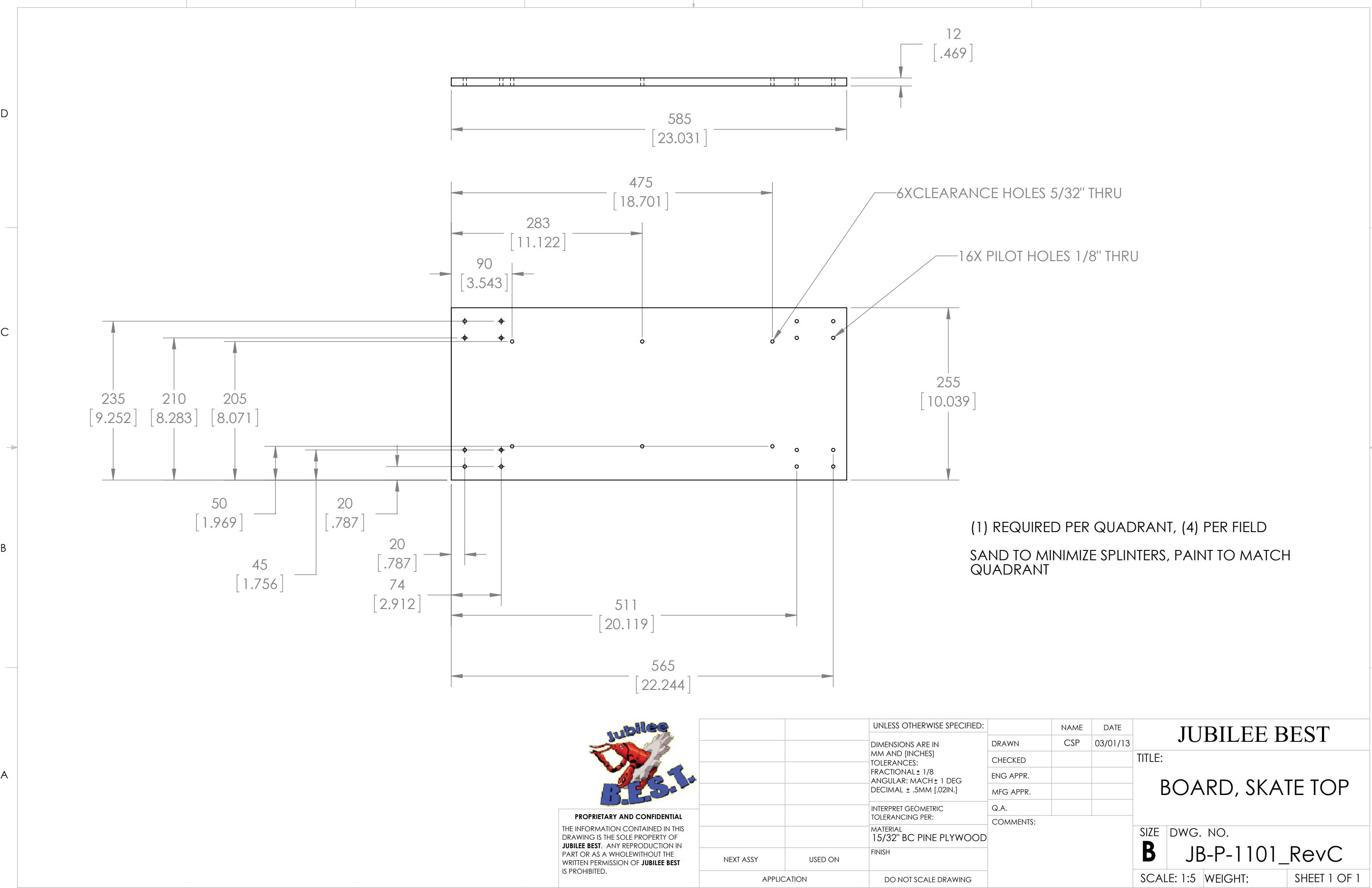
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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST	
DRAWN	CSP	03/01/13	TITLE:	
CHECKED			SKATE ASSEMBLY	
ENG APPR.				
MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL				
QA.	COMMENTS:			
NEXT ASSY	USED ON	FINISH		
APPLICATION		DO NOT SCALE DRAWING		

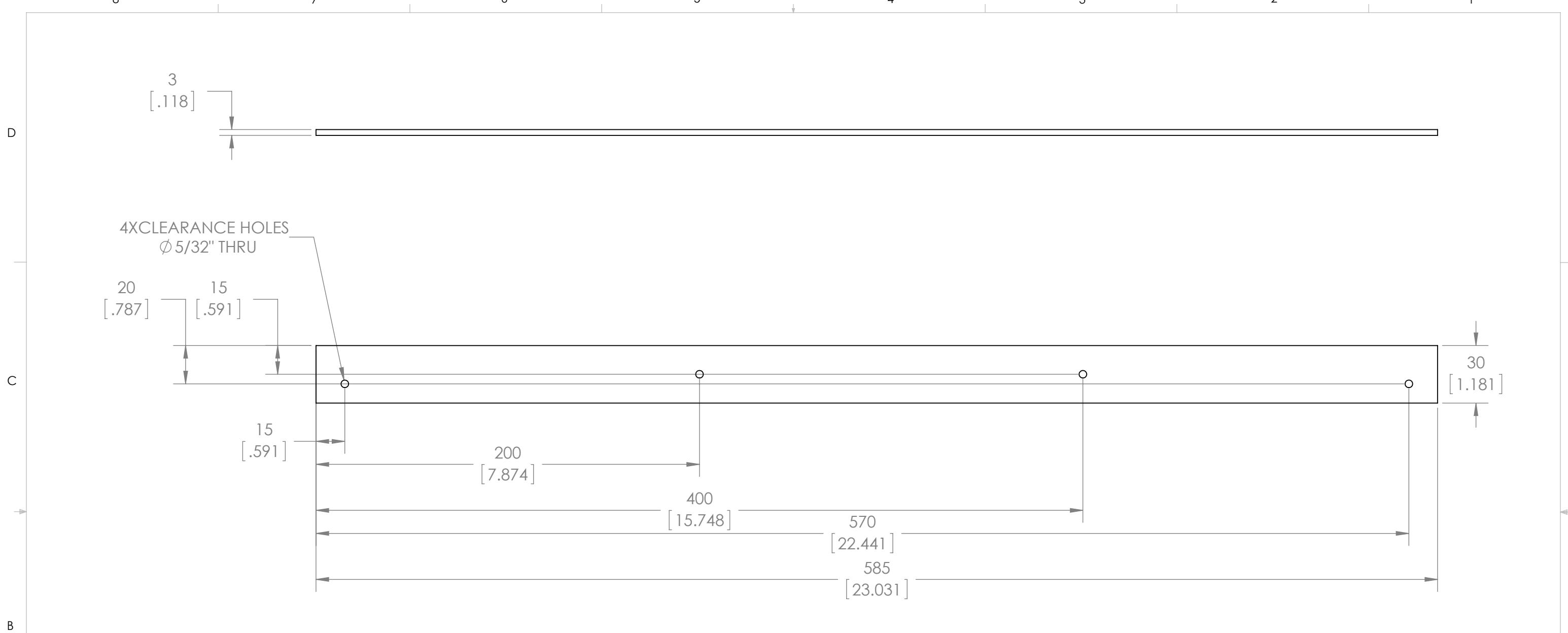
SIZE DWG. NO.
C JB-SA-1100_RevC

SCALE: 1:5 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8)PER FIELD

SAND TO MINIMIZE SPLINTERS

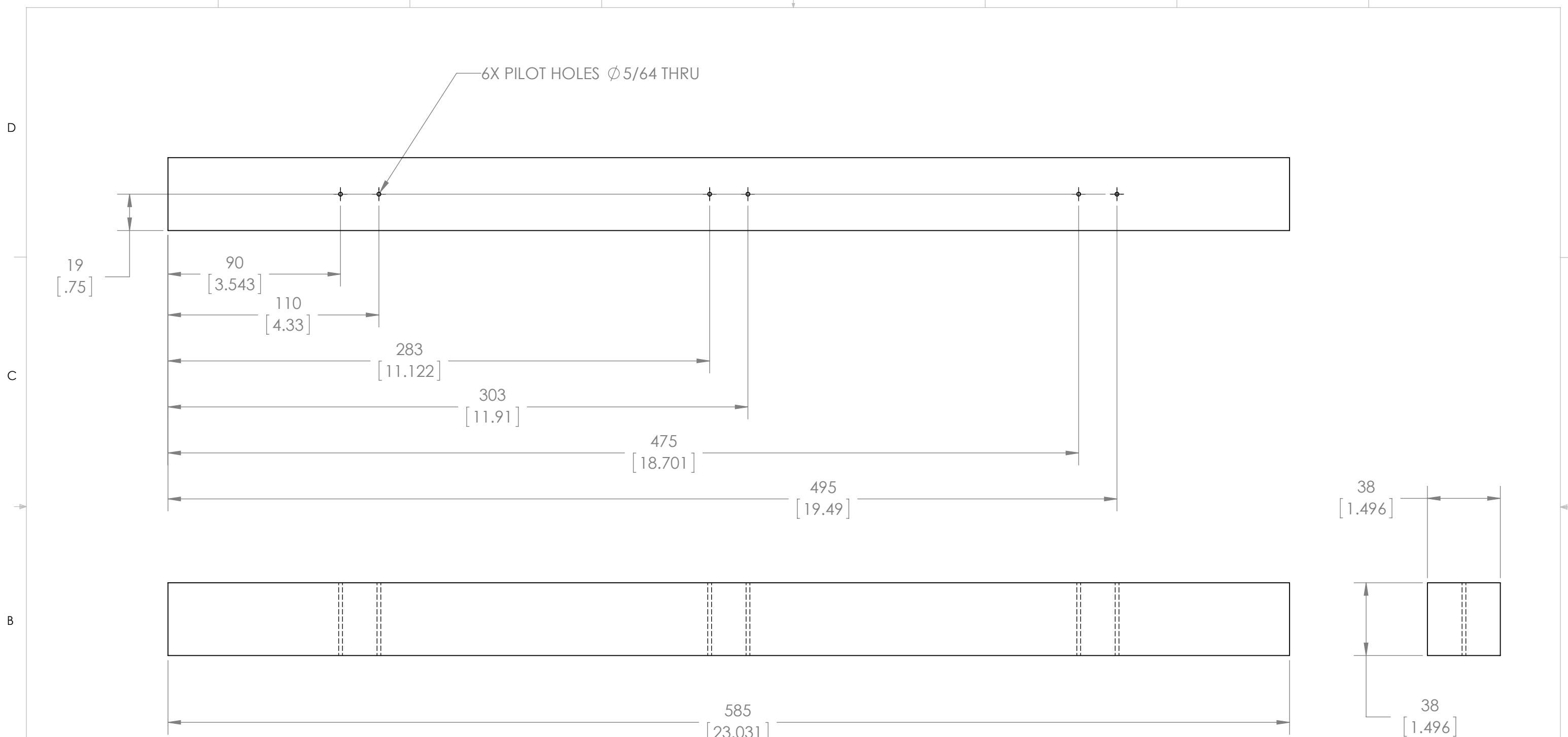
LEAVE UNPAINTED



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/25/13	
		TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5$ MM [.02IN.]	CHECKED			
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			
		MATERIAL 1/8" HARDBOARD	MFG APPR.			
		APPLICATION	Q.A.			
		FINISH	COMMENTS:			
		DO NOT SCALE DRAWING				
SIZE	DWG. NO.					A
B	JB-P-1102_RevB					
SCALE: 1:5	WEIGHT:					
						SHEET 1 OF 1

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT (8) PER FIELD

SAND ALL EDGES TO REMOVE SPLINTERS

PAINT BLACK OR MATCH QUADRANT IF DESIRED



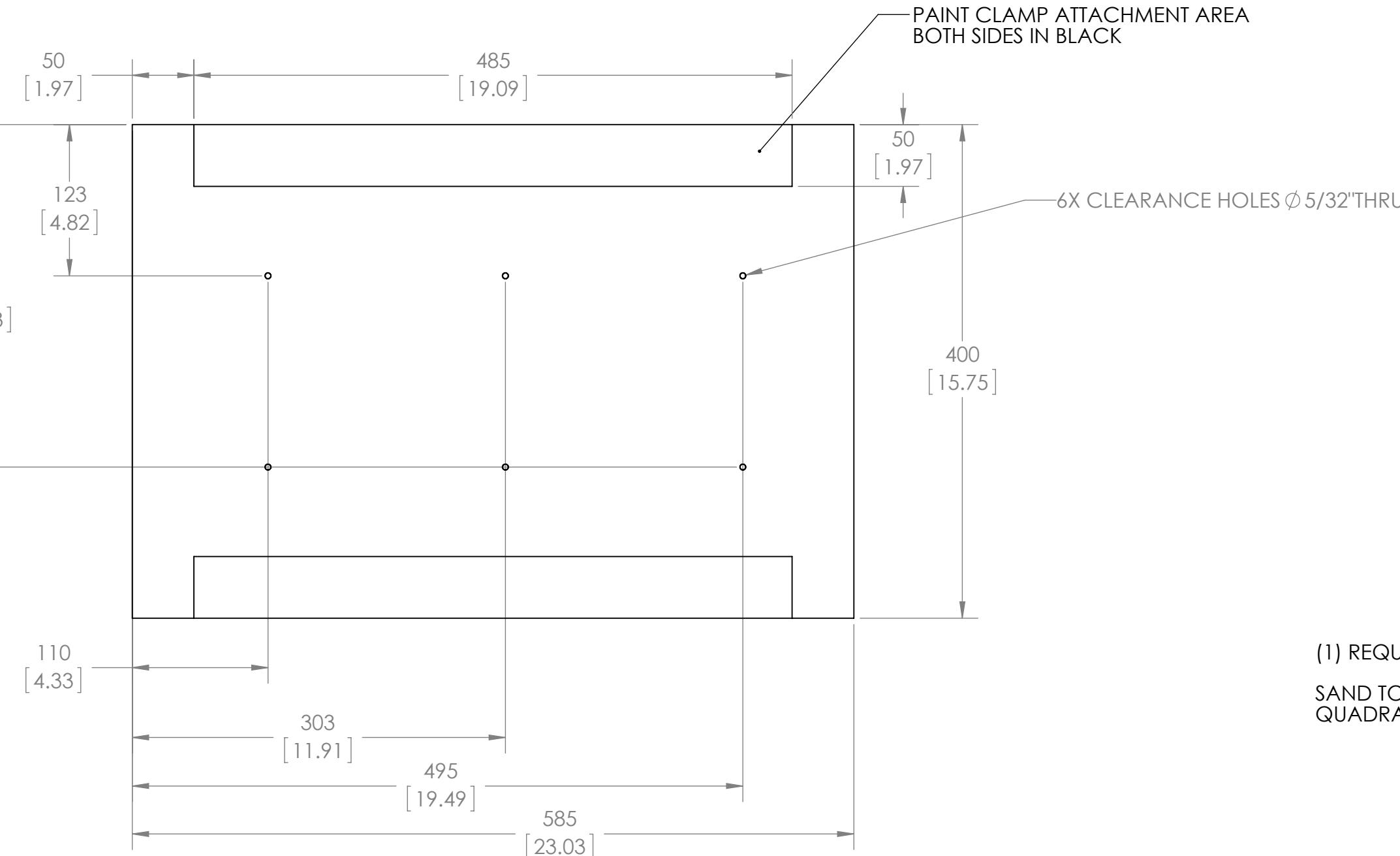
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IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
DIMENSIONS ARE IN MM AND [INCHES]			DRAWN	CSP	02/24/13	
TOLERANCES: FRACTIONAL $\pm 1/8$			CHECKED			
ANGULAR: MACH ± 1 DEG			ENG APPR.			
DECIMAL $\pm .5$ MM [.02IN.]			MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:			Q.A.			
MATERIAL 2X2 PINE			COMMENTS:			TITLE: SUPPORT, ROBOT BASE
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				
SIZE	DWG. NO.					B JB-P-1104_RevC
SCALE: 1:5	WEIGHT:					
						SHEET 1 OF 1

8 7 6 5 4 3 2 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CHANGED SECONDARY DIMENSION PERCISION TO 2 DECIMAL PLACES	8/1/2013	

D



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/25/13	
		TOLERANCES: FRACTIONAL \pm 1/8	CHECKED			
		ANGULAR: MACH \pm 1 DEG	ENG APPR.			
		DECIMAL \pm .5MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 15/32" BC PINE PLYWOOD	COMMENTS:			
		NEXT ASSY	USED ON	FINISH		
		APPLICATION		DO NOT SCALE DRAWING		

SIZE DWG. NO.
B JB-P-1105_RevD
SCALE: 1:5 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

D

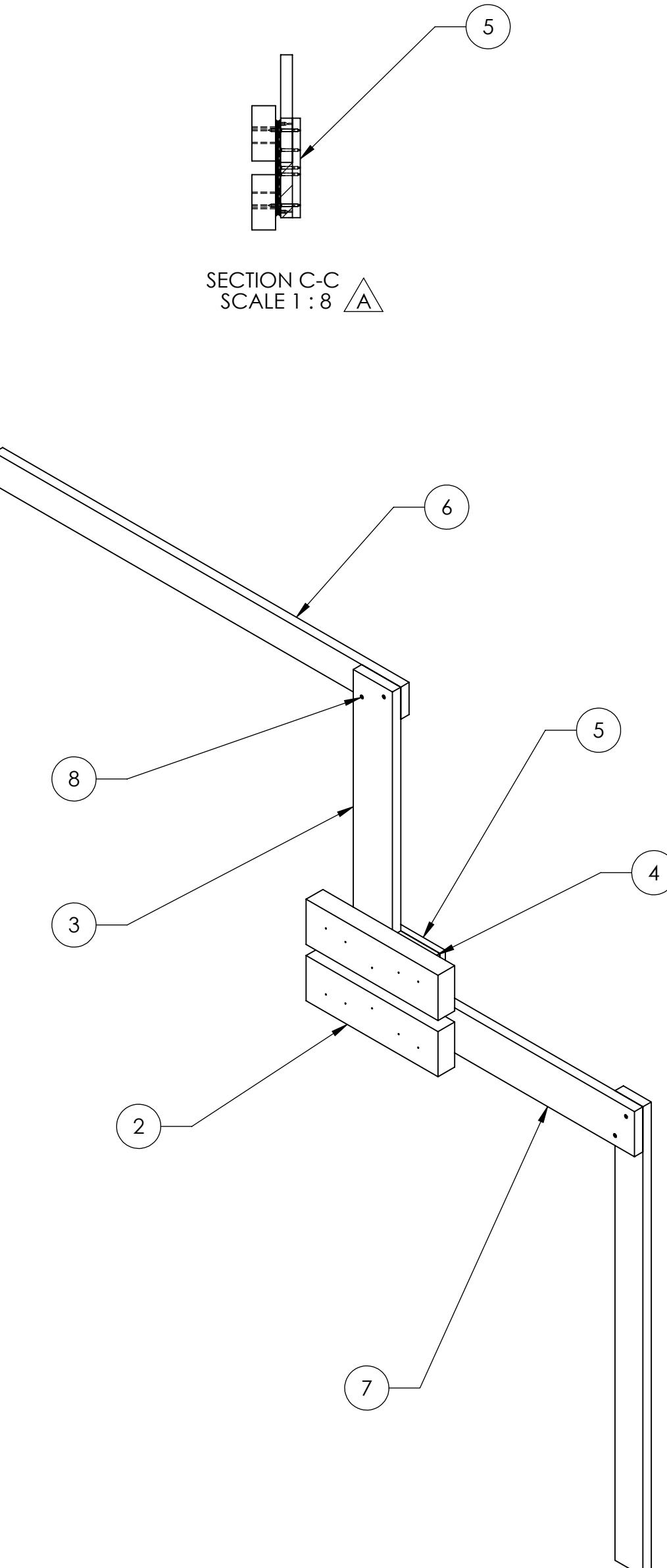
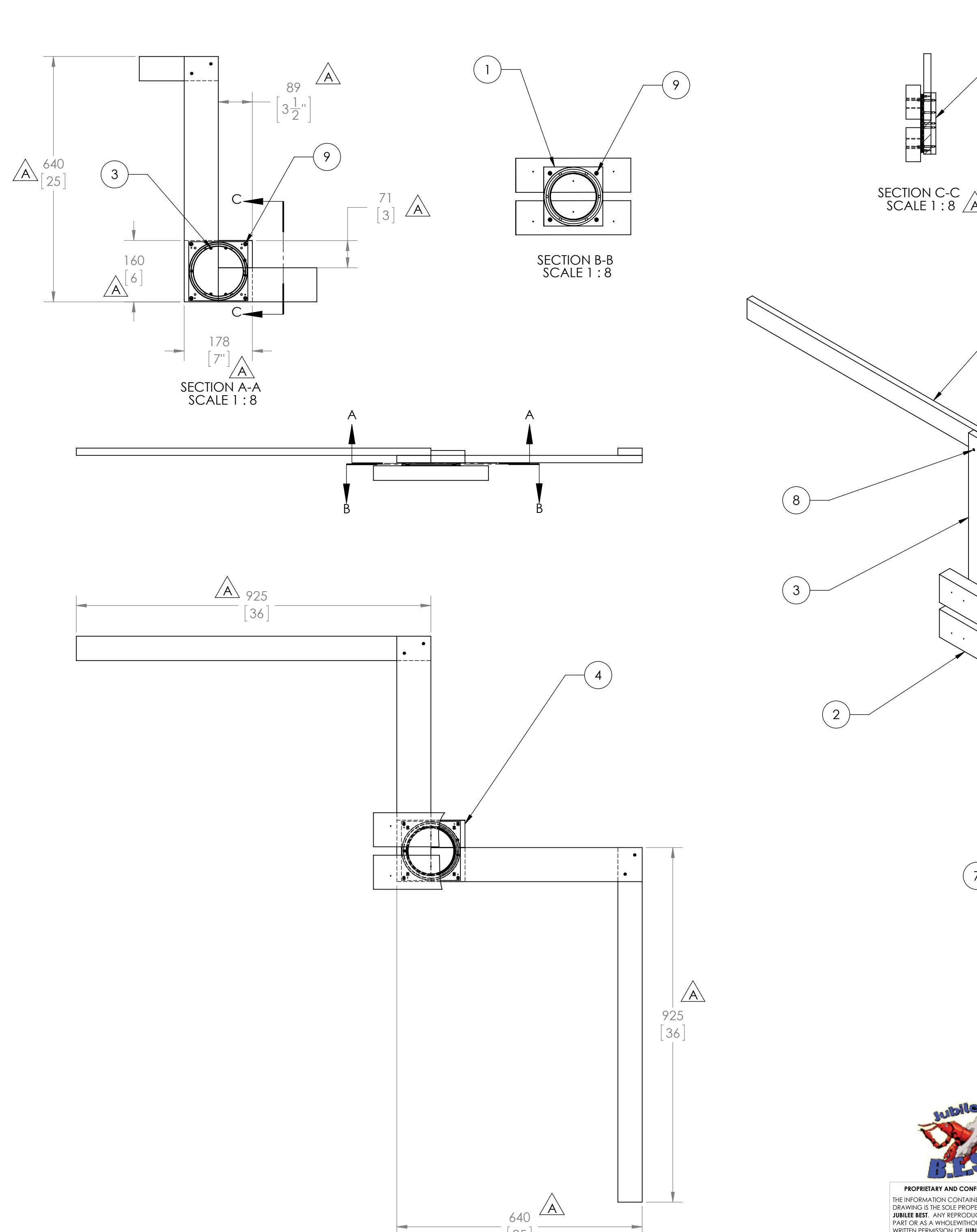
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-1206	TURN TABLE, TROLLEY PIVOT	1
2	JB-P-1203_RevB	SPACER, TROLLEY PIVOT	2
3	JB-P-1207	BRACE, LONG PIVOT EXTENSION	1
4	JB-P-1210	SPACER, PIVOT BASE	1
5	JB-P-1209	BASE, PIVOT	1
6	JB-P-1208	STOP, TROLLEY PIVOT	2
7	JB-P-1211	BRACE, SHORT PIVOT EXTENSION	1
8	SELF-TAPPING SCREW	#8 X 1-1/4" DRY WALL SCREW COARSE THREAD	11
9	SELF-TAPPING SCREW	#10 X 1/2" PAN HEAD SCREW	8



Jubilee
B.E.S.T.

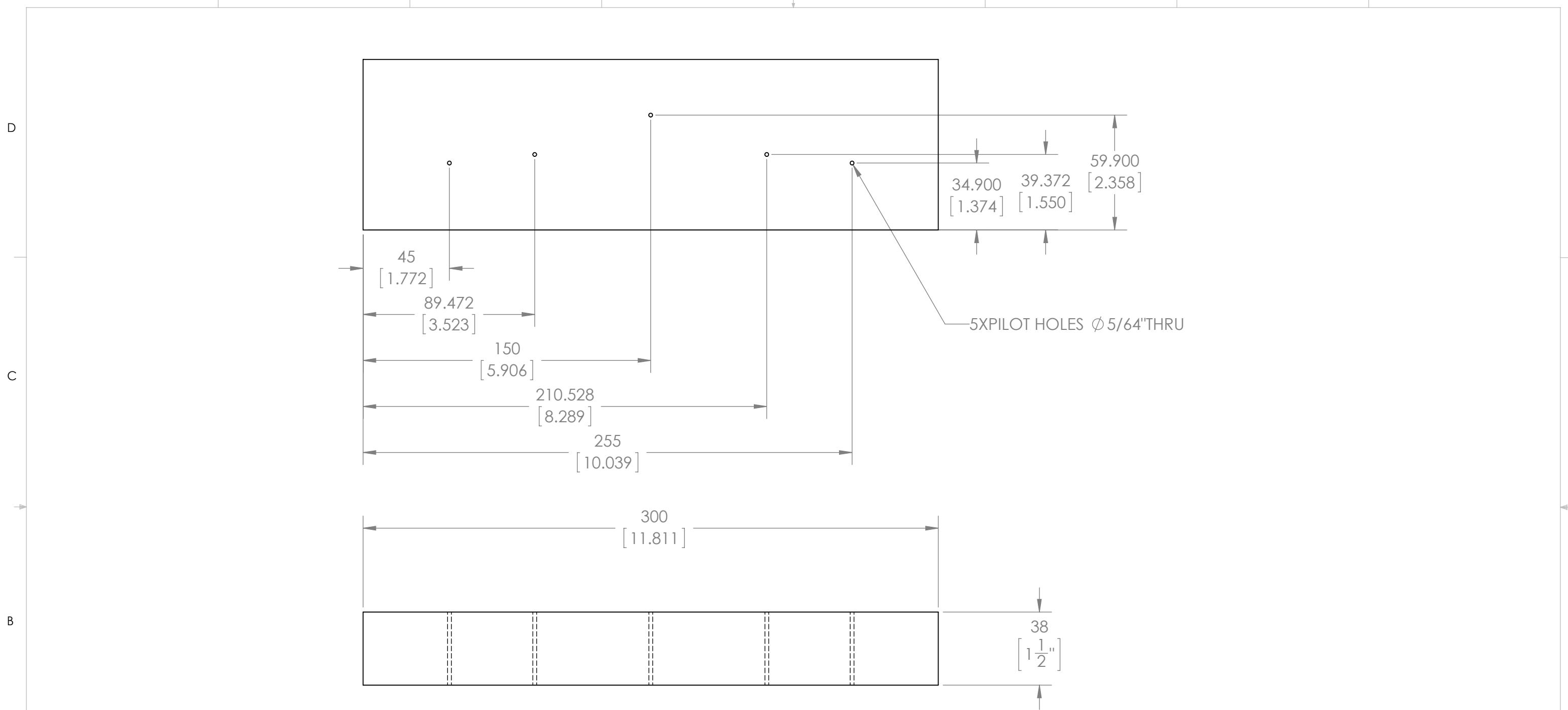
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED DIMENSIONS AND SECTION FOR INFORMATION	7/29/2013	
JUBILEE BEST			
	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL: 1/8 ANGULAR: MACH + 1 DEG DECIMAL: ± .5MM [.02IN.]	DRAWN CSP 6/2/13	NAME DATE
	CHECKED		
	ENG APPR.		
	MFG APPR.		
	QA. COMMENTS:		
	INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL		
	NEXT ASSY USED ON APPLICATION	FINISH	
	DO NOT SCALE DRAWING		

SIZE DWG. NO.
C JB-SA-1200_RevB

SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8) PER FIELD

PART DOES NOT SHOW, PAINT TO MATCH QUADRANT OR BLACK



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: SPACER, TROLLEY PIVOT SIZE DWG. NO. B JB-P-1203_RevB SCALE: 1:2 WEIGHT: SHEET 1 OF 1
DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	03/01/13	
TOLERANCES:		CHECKED			
FRACTIONAL \pm 1/8		ENG APPR.			
ANGULAR: MACH \pm 1 DEG		MFG APPR.			
DECIMAL \pm .5MM [.02IN.]		Q.A.			
INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:			
MATERIAL	2X4 PINE				
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

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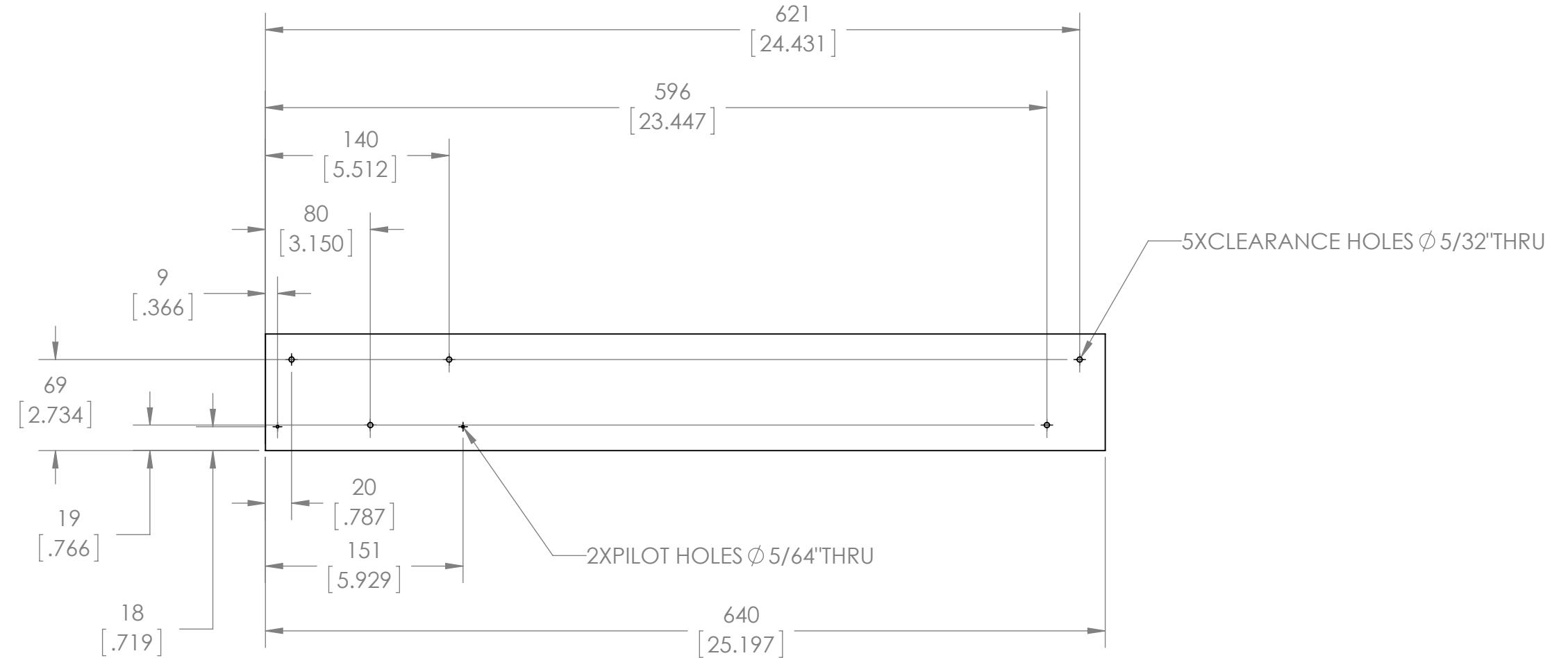
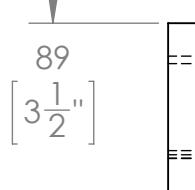
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT
OR BLACK

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JUBILEE BEST		
TITLE: BRACE, LONG PIVOT EXTENSION		
SIZE	DWG. NO.	
B	JB-P-1207	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

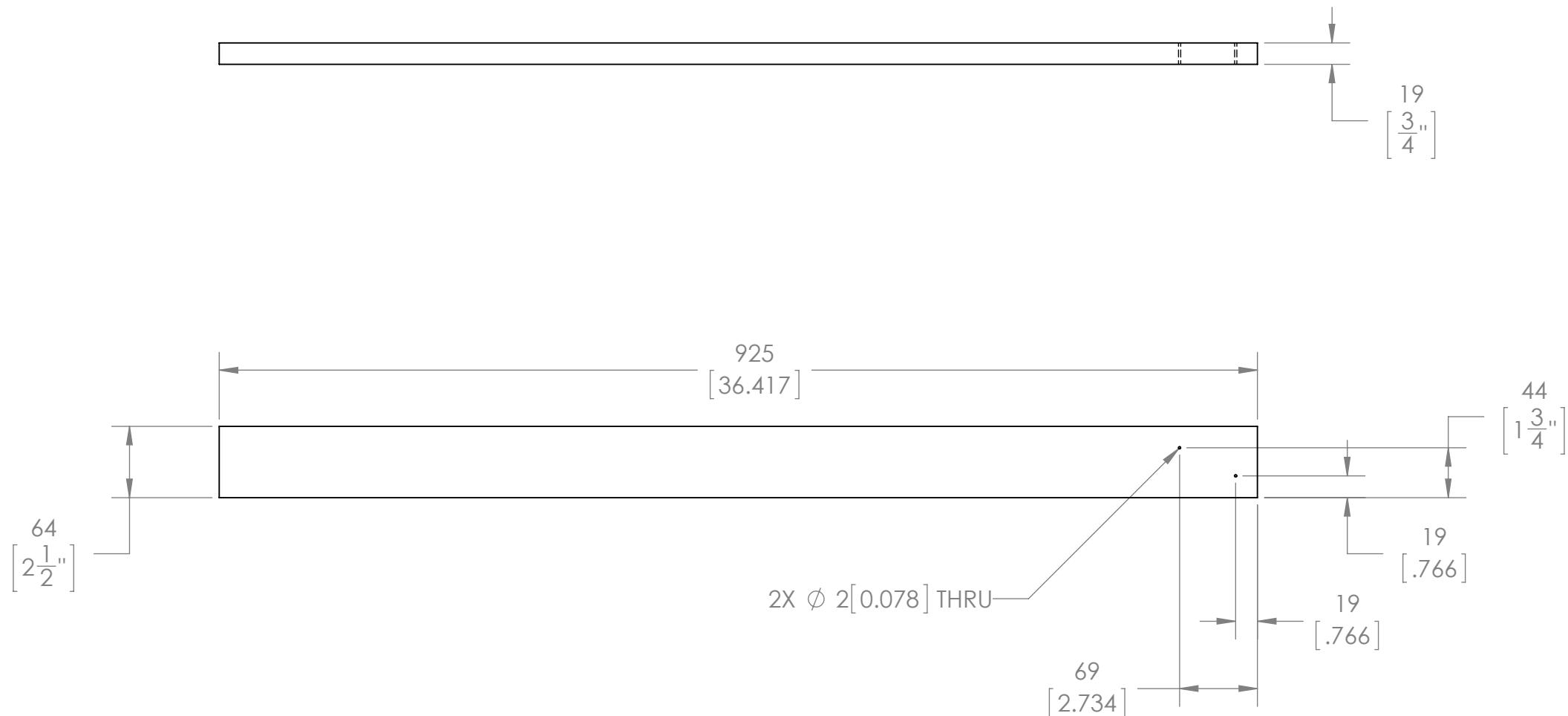
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	06/01/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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(2) REQUIRED PER QUADRANT, (8) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWN	CSP	06/01/13	
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			
MATERIAL	1x3 PINE		
FINISH			
DO NOT SCALE DRAWING			

JUBILEE BEST

STOP,
TROLLEY PIVOT

SIZE DWG. NO.
B JB-P-1208

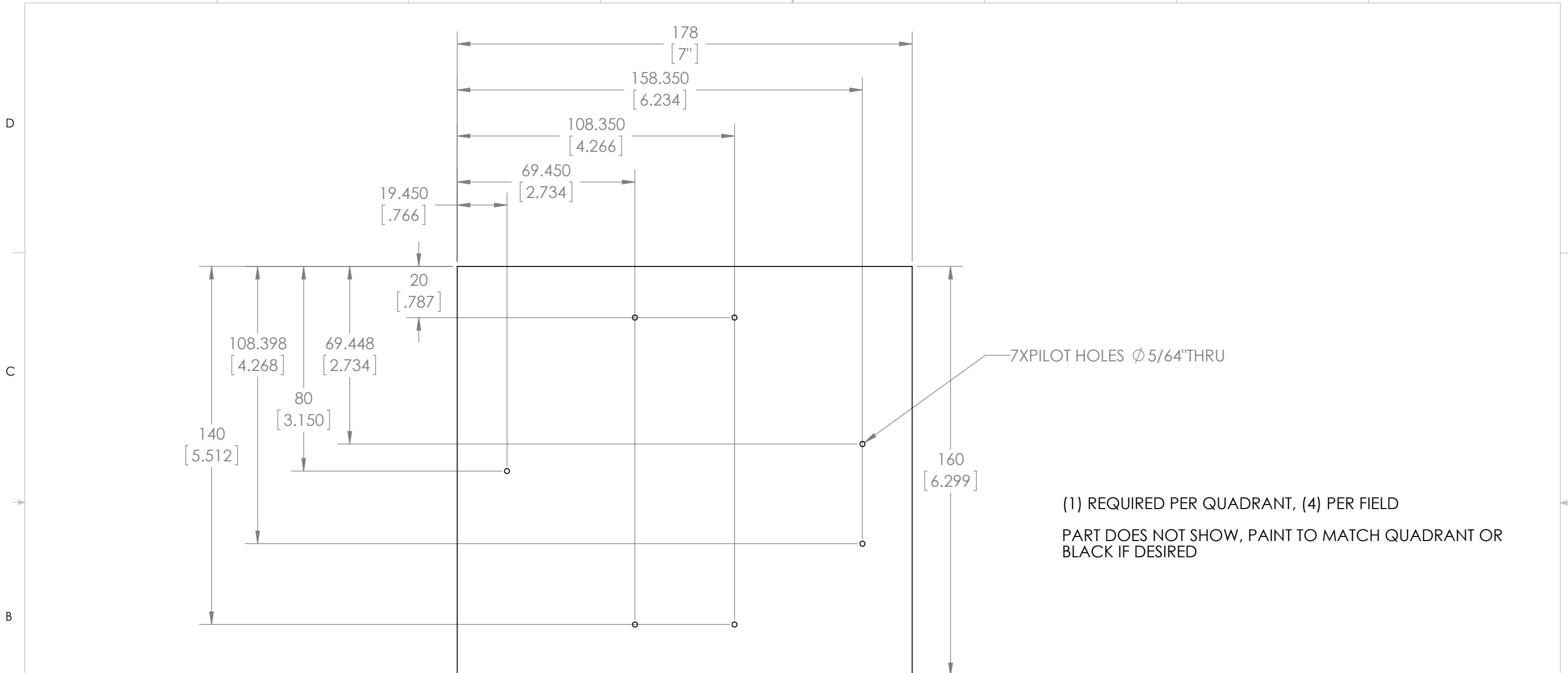
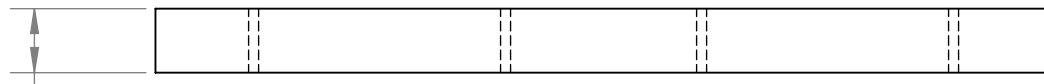
SCALE: 1:5 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

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8 7 6 5 4 3 2 1

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UNLESS OTHERWISE SPECIFIED:		
DRAWN	NAME	DATE
CSP	06/01/13	
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

MATERIAL 15/32" BC PINE PLYWOOD

FINISH

DO NOT SCALE DRAWING

JUBILEE BEST

BASE,
PIVOT

TITLE:

JB-P-1209

SIZE

DWG. NO.

B

SCALE: 1:2 WEIGHT: SHEET 1 OF 1

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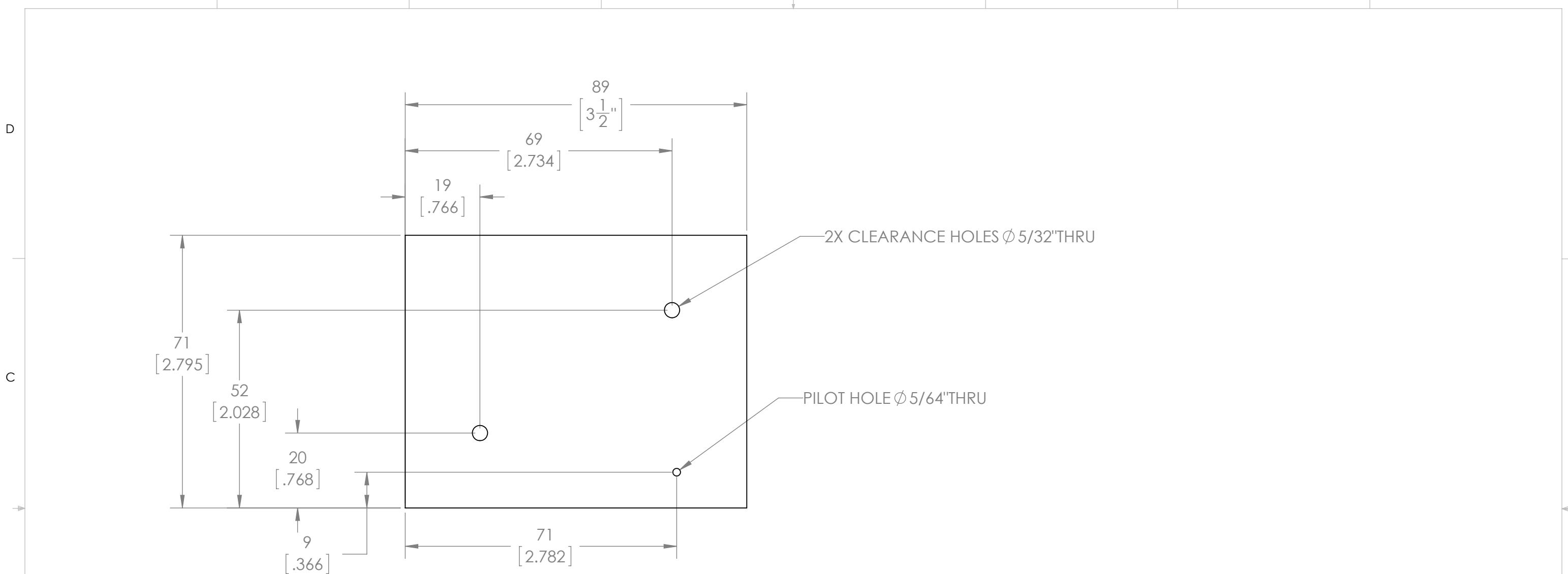
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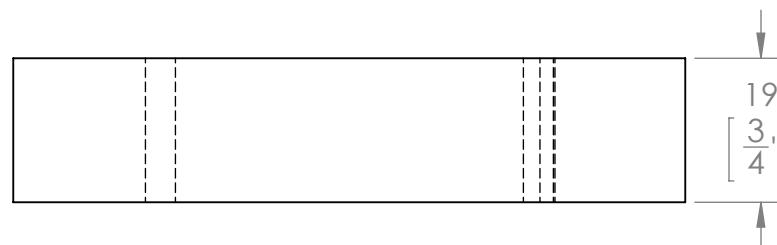
1

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

PART DOES NOT SHOW, PAINT TO MATCH QUADRANT OR
BLACK IF DESIRED



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JUBILEE BEST		
TITLE: SPACER, PIVOT BASE		
SIZE	DWG. NO.	
B	JB-P-1210	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED: DRAWN BY CSP DATE 02/18/12
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES:
FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG
DECIMAL $\pm .5MM [.02IN.]$
CHECKED
ENG APPR.
MFG APPR.
Q.A.
COMMENTS:
MATERIAL 1X4 PINE
FINISH
DO NOT SCALE DRAWING

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

PART DOES NOT SHOW, PAINT TO MATCH QUADRANT OR
BLACK IF DESIRED



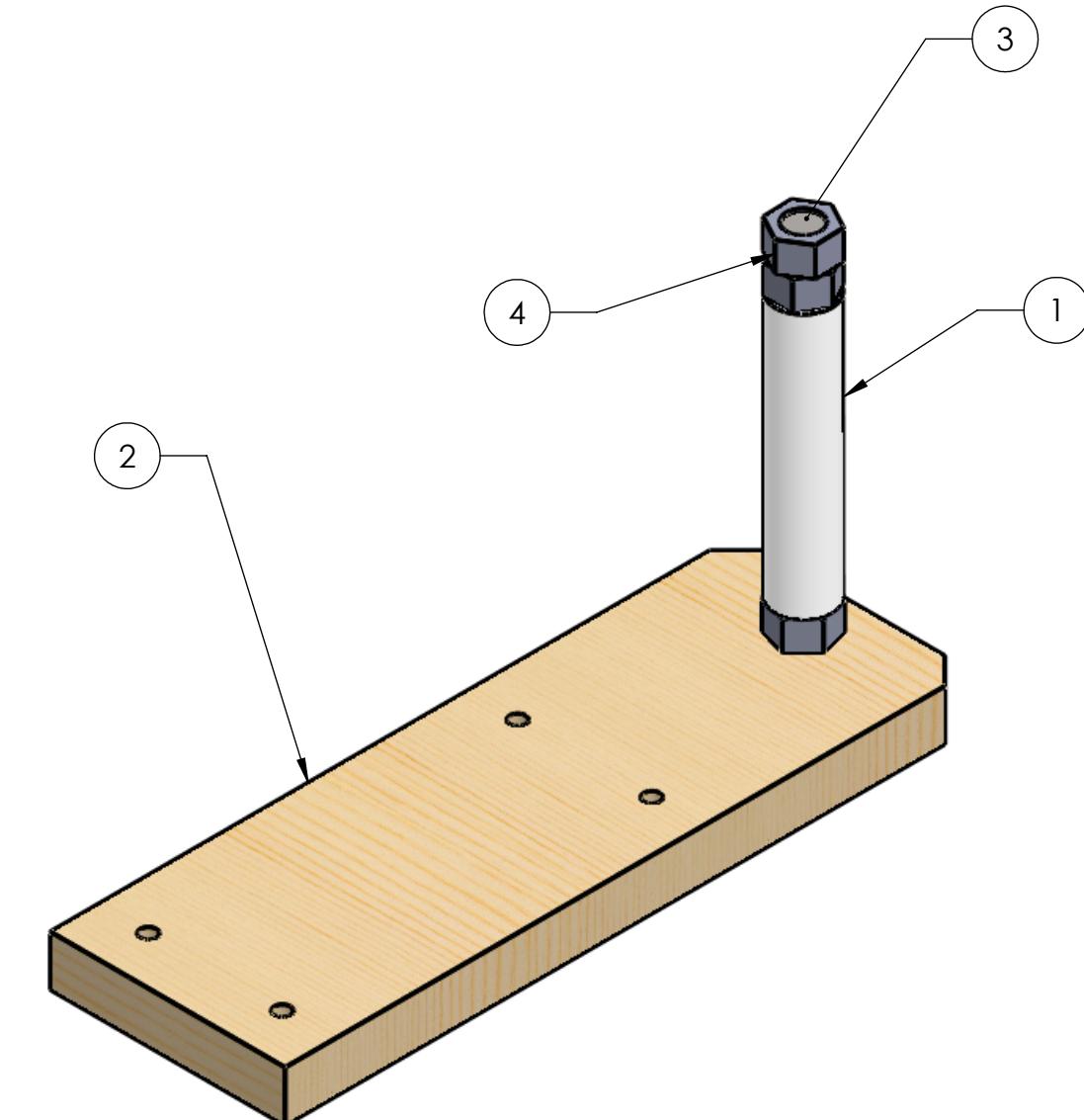
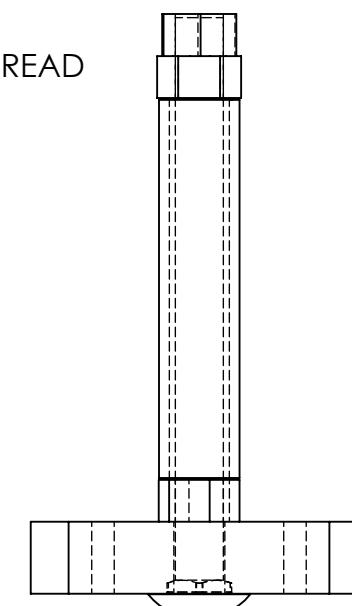
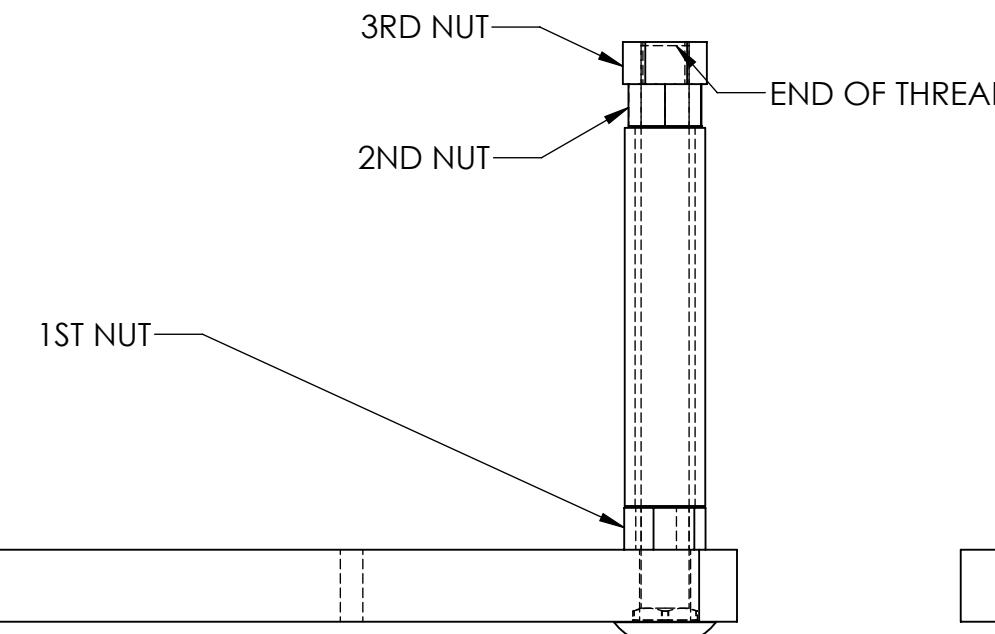
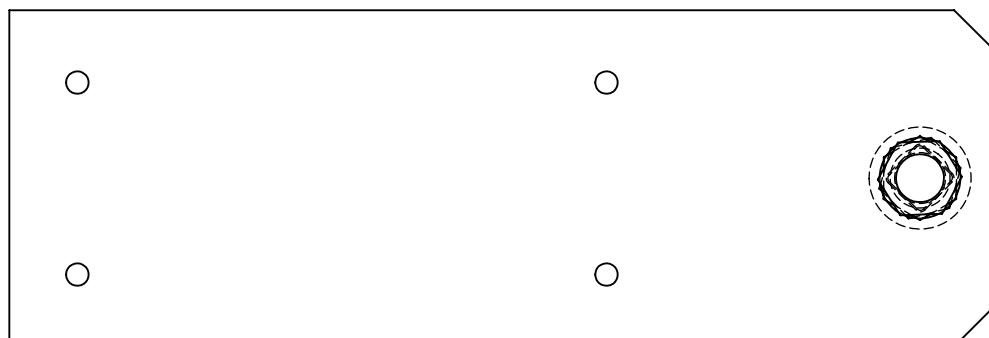
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JUBILEE BEST		
TITLE: BRACE, SHORT PIVOT EXTENSION		
SIZE	DWG. NO.	
B	JB-P-1211	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	06/01/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	1X4 PINE	
FINISH		
DO NOT SCALE DRAWING		

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	UPDATED BOM FOR DRAWING REVISIONS	8/2/2013	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-1401	HANDLE, CRANK, PVC	1
2	JB-P-1402_RevD	HANDLE, CRANK, BOARD	1
3	CARRIAGE BOLT	1/2" X 6" CARRIAGE BOLT FULL THREAD	1
4	JB-P-1404	NUT 1/2 -13UNC	3



(2) REQUIRED PER QUADRANT (8) PER FIELD

THE FIRST NUT AGAINST THE BOARD IS TO HOLD CARRIAGE BOLT IN PLACE, THE SECOND NUT IS TO SET THE SPACE FOR THE PVC TO BE JUST LOOSE AND TURN FREELY, THE LAST NUT IS TO BE USED AS A JAM NUT TO LOCK THE SECOND NUT IN PLACE

END OF BOLT TO BE 2-3 THREADS INSIDE OF LAST NUT



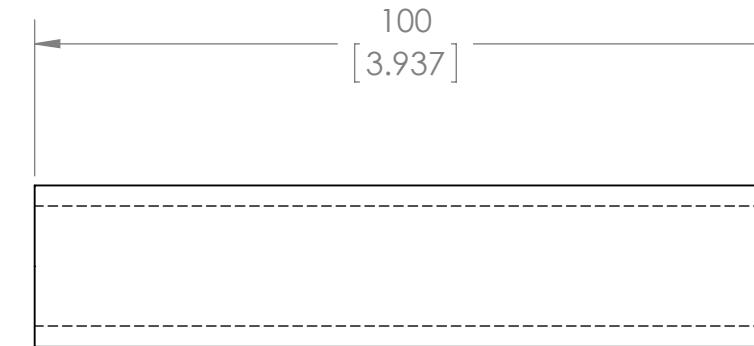
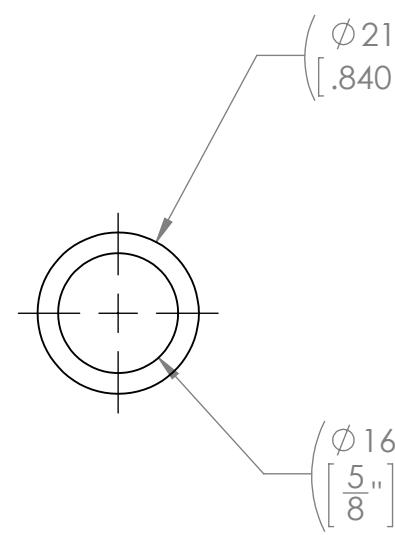
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: CRANK HANDLE ASSEMBLY
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP		
		TOLERANCES: FRACTIONAL: 1/8	CHECKED			
		ANGULAR: MACH \pm 1 DEG	ENG APPR.			
		DECIMAL \pm .5MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL	COMMENTS:			
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				
SCALE: 1:5			WEIGHT:		SHEET 1 OF 1	
B			JB-SA-1400_RevD			

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(2) REQUIRED PER QUADRANT (8) PER FIELD

PIPE OD AND ID GIVEN FOR REFERENCE ONLY



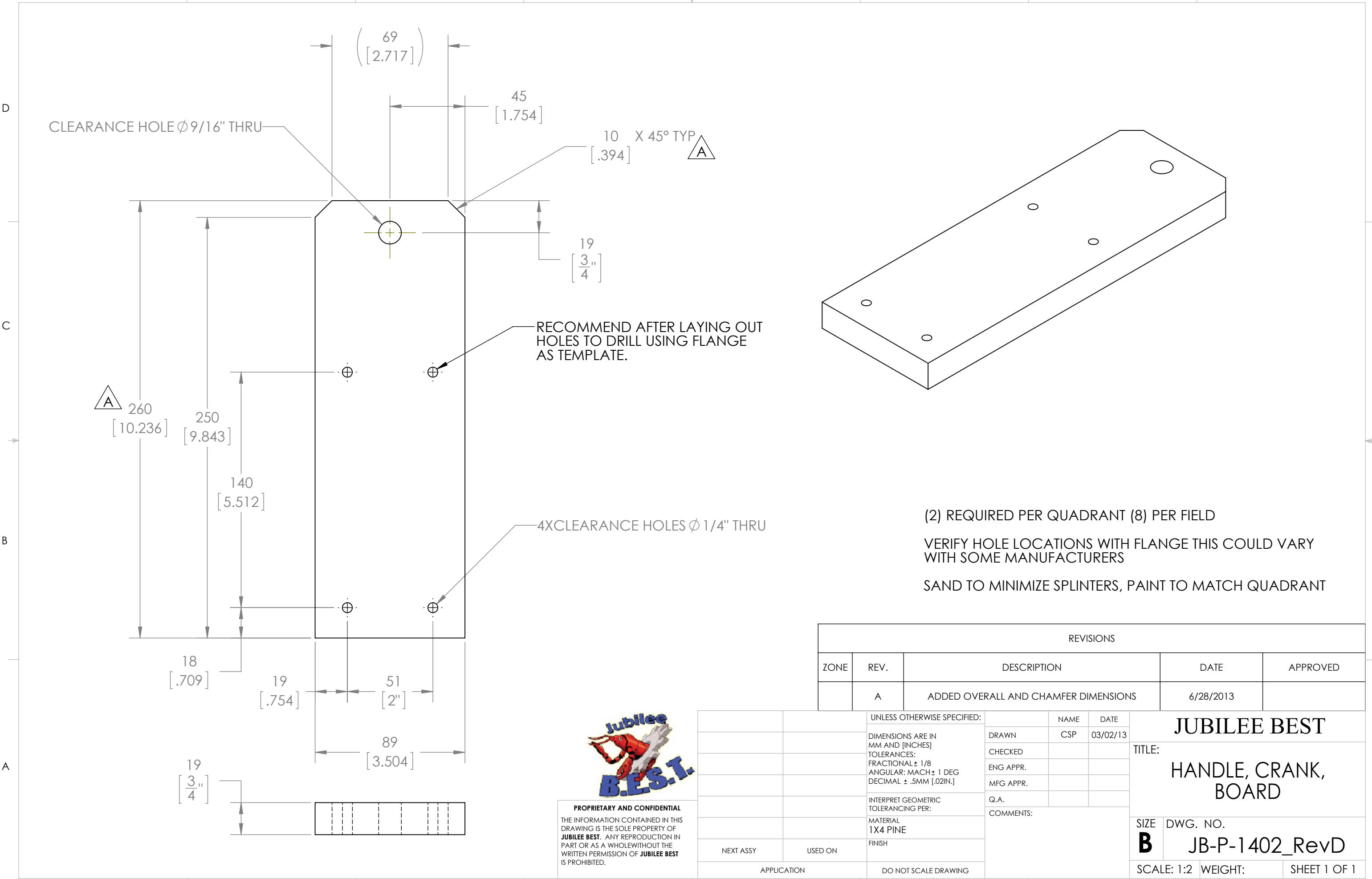
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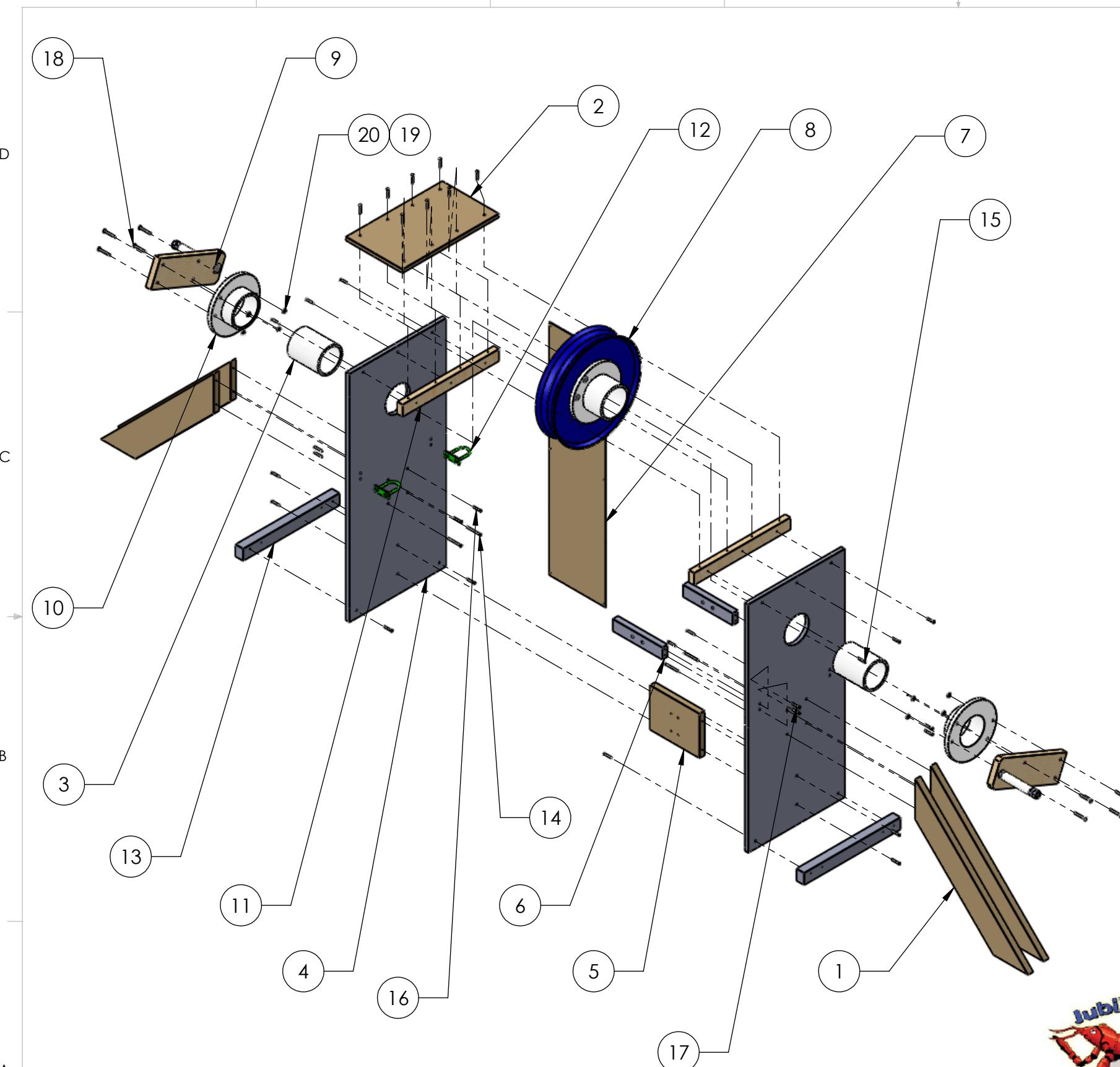
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: HANDLE, CRANK, PVC SIZE DWG. NO. B JB-P-1401 SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	
		TOLERANCES:		CHECKED		
		FRACTIONAL $\pm 1/8$		ENG APPR.		
		ANGULAR: MACH ± 1 DEG		MFG APPR.		
		DECIMAL $\pm .5$ MM [.02IN.]		Q.A.		
		INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		
		MATERIAL 1/2" SCH40 PVC				
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	UPDATED BOM FOR DRAWING REVISIONS, ADDED SHEET 2 WITH ADDITIONAL DIMENSIONS	8/2/2013	



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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-1501	BRACE, OUTRIGGER TROLLEY UNIT	4
2	JB-P-1503	GUARD, TOP BELT	1
3	JB-P-1504	AXLE, DRIVE PULLEY	2
4	JB-P-1502_RevB	PLATE, SIDE, TROLLEY DRIVE UNIT	2
5	JB-P-1505	MOUNTING BRACKET, GUIDE PULLEY	1
6	JB-P-1506	BRACKET, MOUNTING, U-BOLT BELT GUIDE	2
7	JB-P-1507	GUARD, BELT SIDE	1
8	JB-SA-1600	Pulley, Main Drive	1
9	JB-SA-1400_RevD	CRANK HANDLE ASSEMBLY	2
10	JB-P-1509	3" OR 4" LONG PATTERN TOILET FLANGE	2
11	JB-P-1510	MOUNTING BRACKET, TOP BELT GUARD	2
12	JB-SA-1300	U-BOLT	2
13	JB-P-1508	BLOCK, CRANK MOUNTING	2
14	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW COARSE THREAD	4
15	SELF-TAPPING SCREW	1.125 DRYWALL SCREW	6
16	SELF-TAPPING SCREW	#8 X 1-1/4" DRY WALL SCREW COARSE THREAD	12
17	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	16
18	MACHINE SCREW	#10-24 X 1.5" ROUND HEAD MACHINE SCREW	8
19	FLAT WASHER	#10 FLAT WASHER	8
20	HEX NUT	#10-24 HEX NUT	8

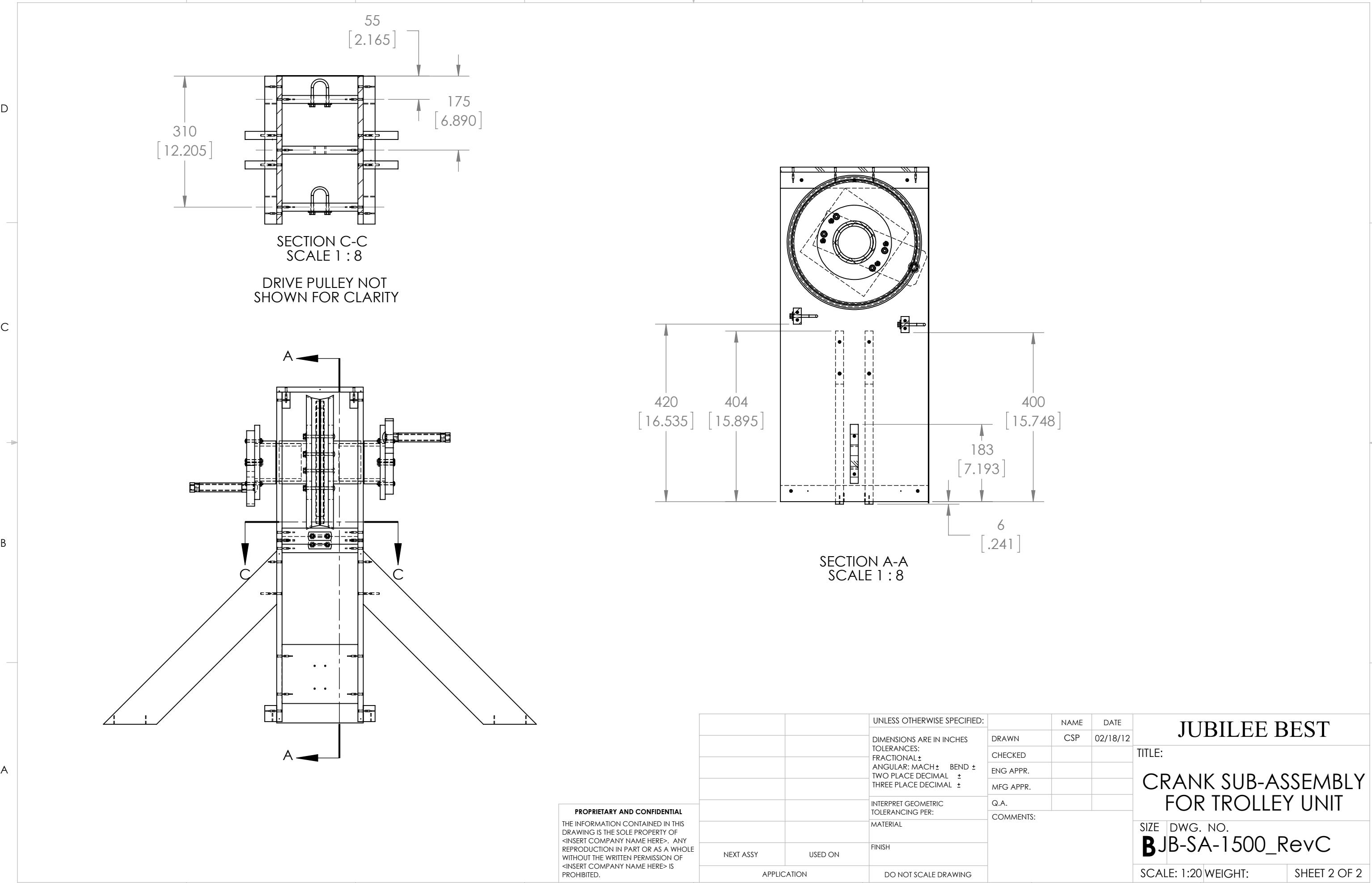
UNLESS OTHERWISE SPECIFIED:	Name	Date
	DRAWN	CSP 02/18/12
DIMENSIONS ARE IN MM AND [INCHES]		
TOLERANCES:		
FRACTIONAL: ± 1/8		
ANGULAR: MACH ± 1 DEG		
DECIMAL: ± .5MM [.02IN.]		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

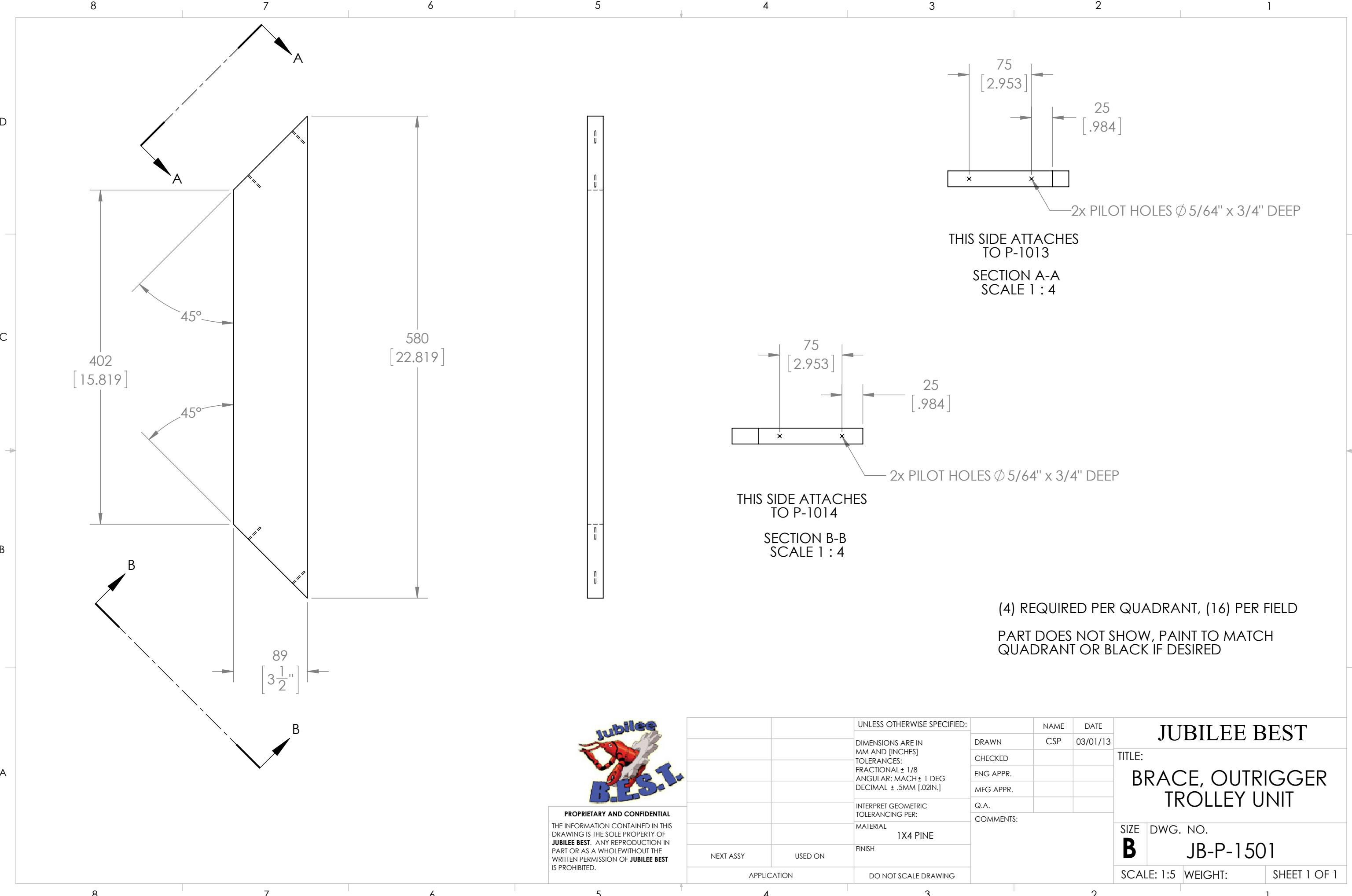
JUBILEE BEST

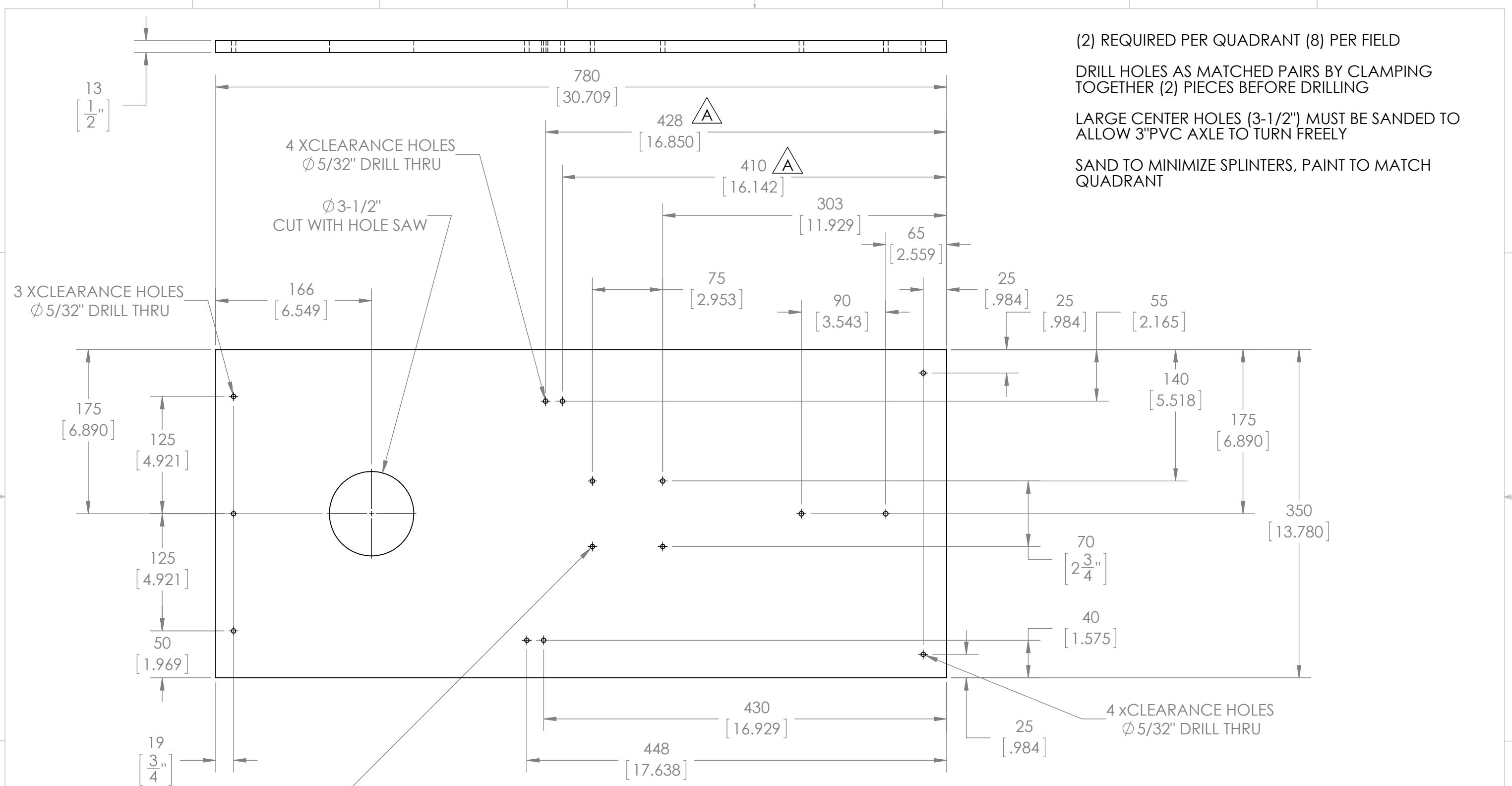
TITLE:
CRANK SUB-ASSEMBLY
FOR TROLLEY UNIT

SIZE DWG. NO.
B JB-SA-1500_RevC
SCALE: 1:20 WEIGHT: SHEET 1 OF 2

8 7 6 5 4 3 2 1







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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CORRECTED DIMENSION TO CENTER OF HOLE	7/24/2013	

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST PLATE, SIDE, TROLLEY DRIVE UNIT
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	03/01/13	
		TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	CHECKED			
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			
		MATERIAL 15/32 BC PINE PLYWOOD	MFG APPR.			
NEXT ASSY	USED ON	FINISH	Q.A.			
APPLICATION		DO NOT SCALE DRAWING	COMMENTS:		SIZE	DWG. NO.
					B	JB-P-1502_RevB
			SCALE: 1:10		WEIGHT:	SHEET 1 OF 1

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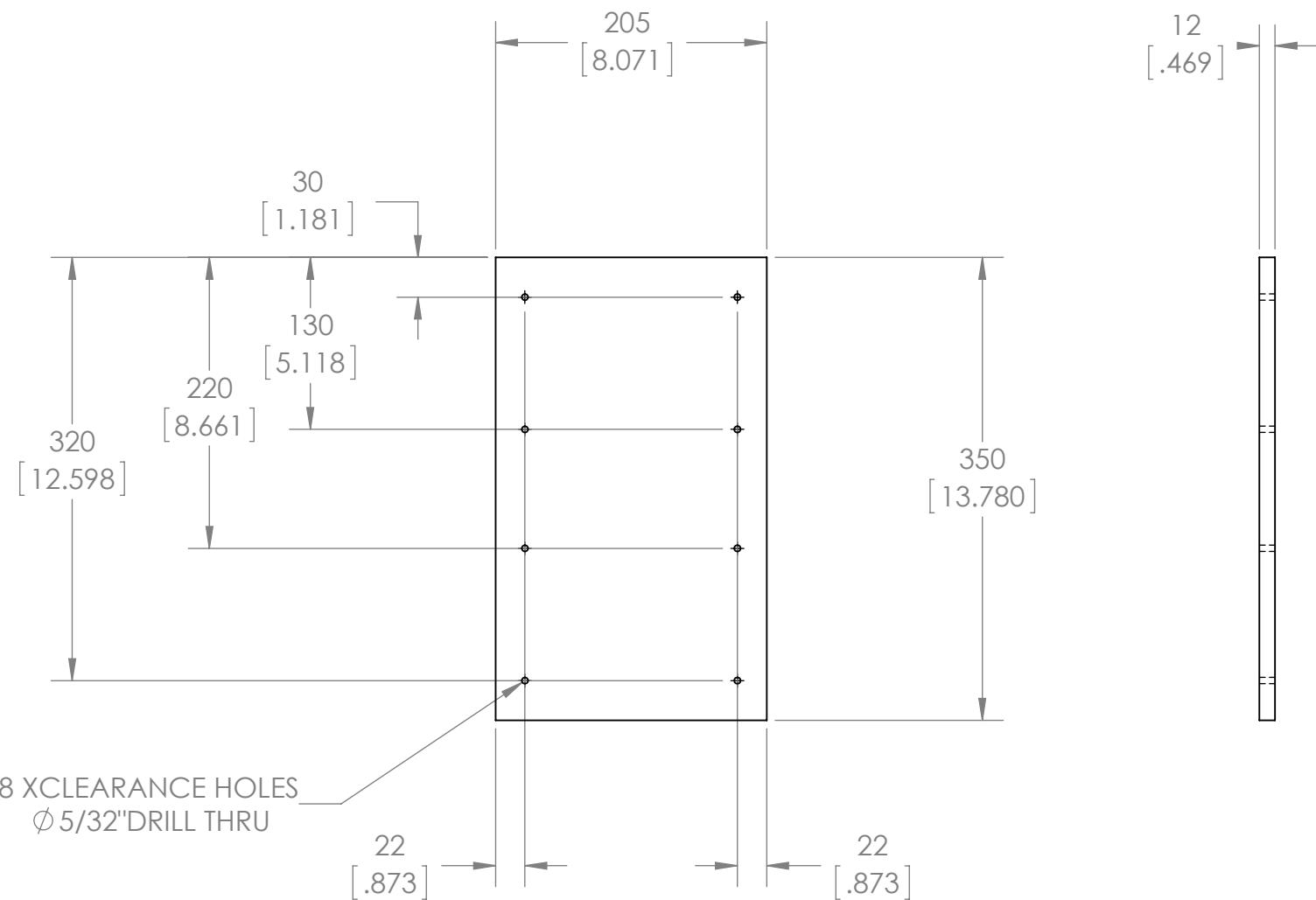
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(1) REQUIRED PER QUADRANT (4) PER FIELD

SAND EDGES TO MINIMIZE SPLINTERS

PAINT TOP AND EDGES TO MATCH QUADRANT COLOR



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: GUARD, TOP BELT	
		DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	DRAWN	CSP	02/18/12		
		INTERPRET GEOMETRIC TOLERANCING PER:	CHECKED				
		MATERIAL 15/32" BC PINE PLYWOOD	ENG APPR.				
		FINISH	MFG APPR.				
			Q.A.				
			COMMENTS:				
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING		SIZE	DWG. NO.	
					B	JB-P-1503	
					SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

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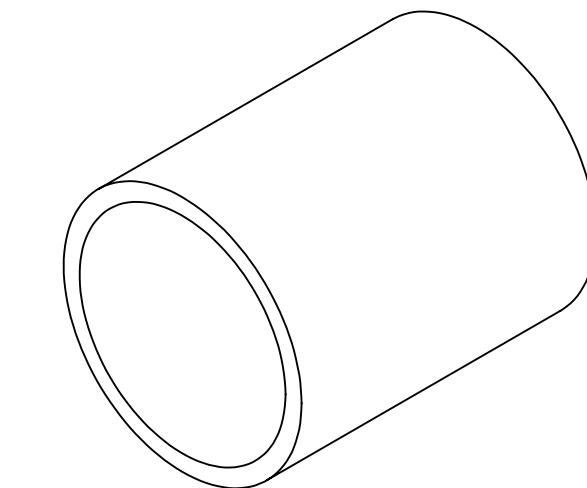
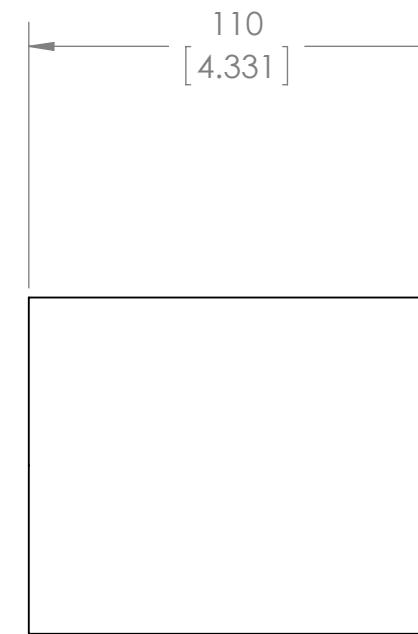
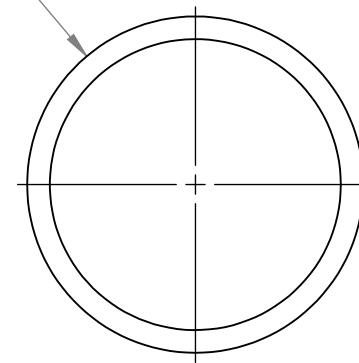
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(2) REQUIRED PER QUADRANT (8) PER FIELD

AXLE CONNECTS CRANK HANDLE FLANGE TO DRIVE PULLEY FLANGE PASSING THRU THE DRIVE UNIT SIDE PLATE. THE HOLE ON THE SIDE PLATE SHOULD BE Sanded TO ALLOW AXLE TO TURN FREELY

WHEN ATTACHING TO CRANK HAMMER AXLE THRU CRANK FLANGE UP TO BOARD FOR CRANK HANDLE, DRILL 1/8" DIA. THRU FLANGE AND AXLE ON ONE SIDE AND INSTALL #10X3/4" ROUND HEAD SHEET METAL SCREW TO SECURE

TO ASSEMBLE WITH DRIVE PULLEY THRU SIDE PLATE USE A SPARE PIECE OF 1/8" HARDBOARD AS OUTSIDE SPACE BETWEEN CRANK FLANGE AND SIDE PLATE, AND WITH DRIVE PULLEY CENTERED IN DRIVE UNIT DRILL 1/8" DIA. THRU FLANGE AND AXLE AND SECURE IN (2) PLACES, 90DEG. APART



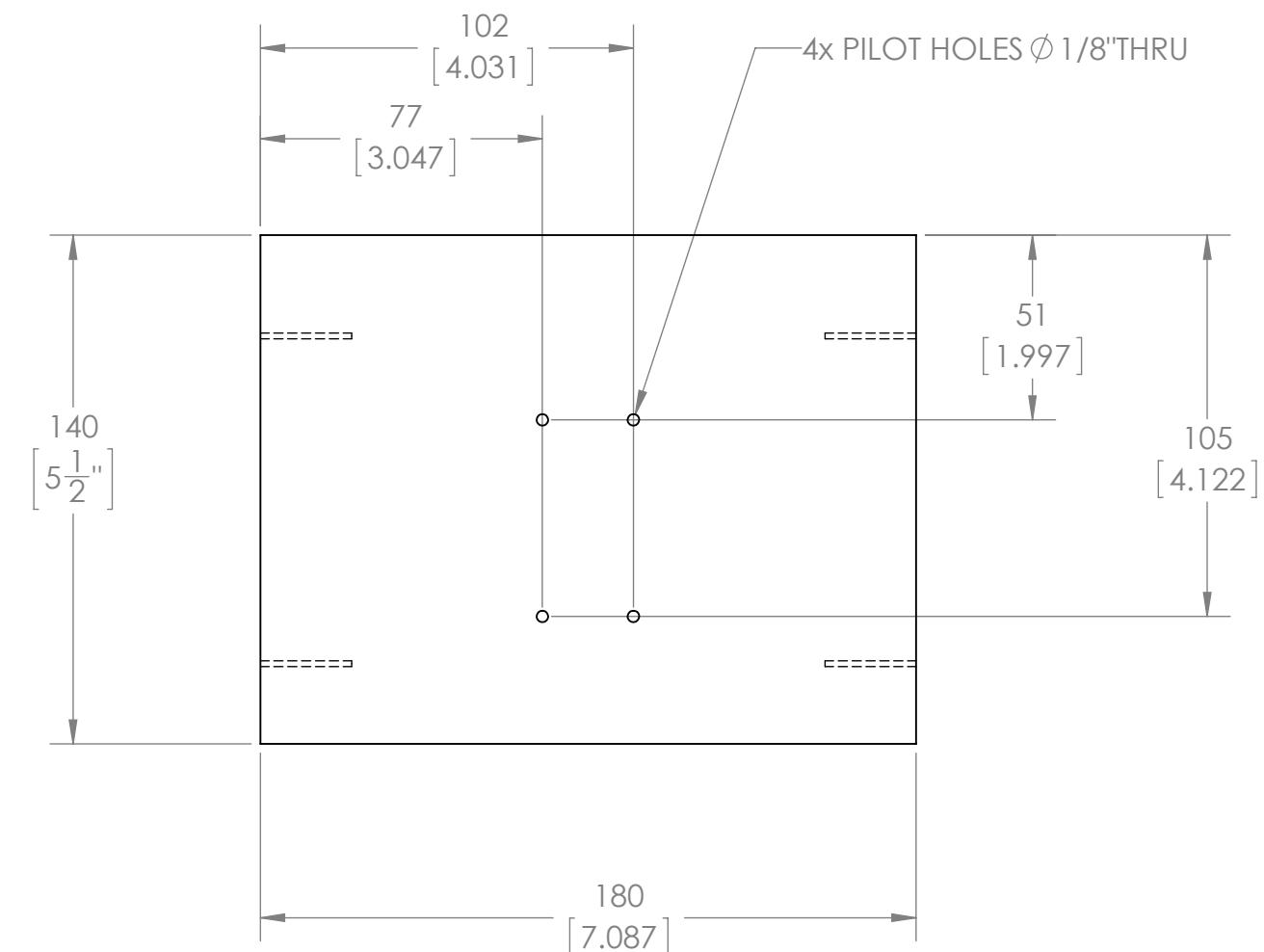
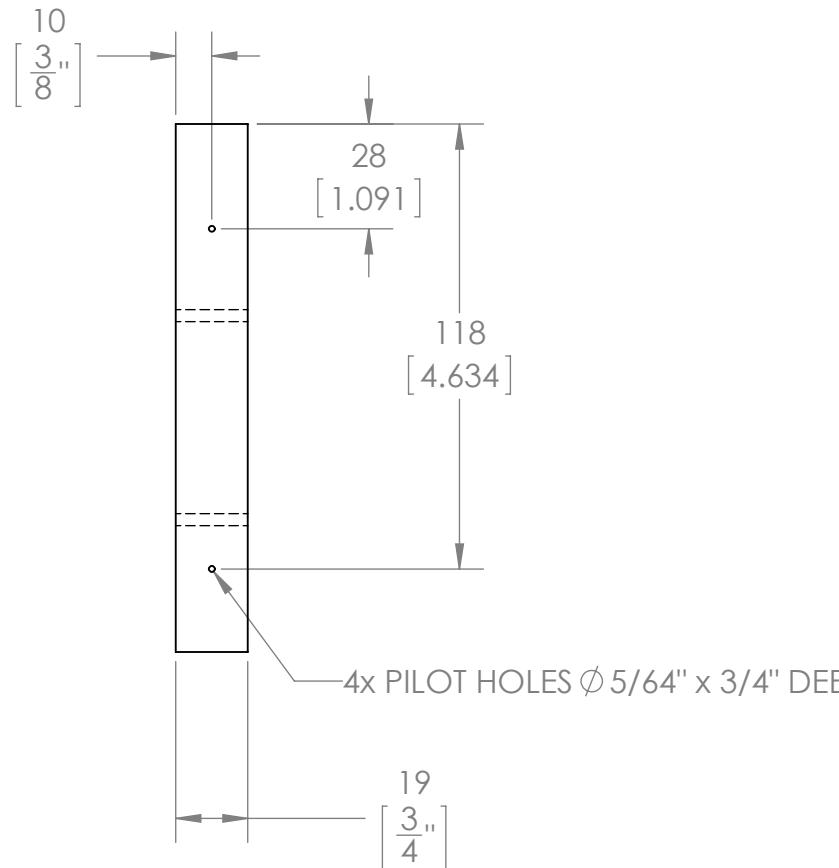
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: AXLE, DRIVE PULLEY SIZE DWG. NO. B JB-P-1504 SCALE: 1:2 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP 02/22/12	
		TOLERANCES:		CHECKED		
		FRACTIONAL \pm 1/8		ENG APPR.		
		ANGULAR: MACH \pm 1 DEG		MFG APPR.		
		DECIMAL \pm .5MM [.02IN.]		Q.A.		
		INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:		
		MATERIAL				
		3" PVC - SCH40				
		NEXT ASSY	USED ON	FINISH		
				APPLICATION	DO NOT SCALE DRAWING	

8 7 6 5 4 3 2 1

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(1) REQUIRED PER QUADRANT (4) PER FIELD

PAINT TO MATCH QUADRANT COLOR

RECOMMEND ATTACHING WHEEL PULLEY BEFORE INSTALLING IN
DRIVE UNIT



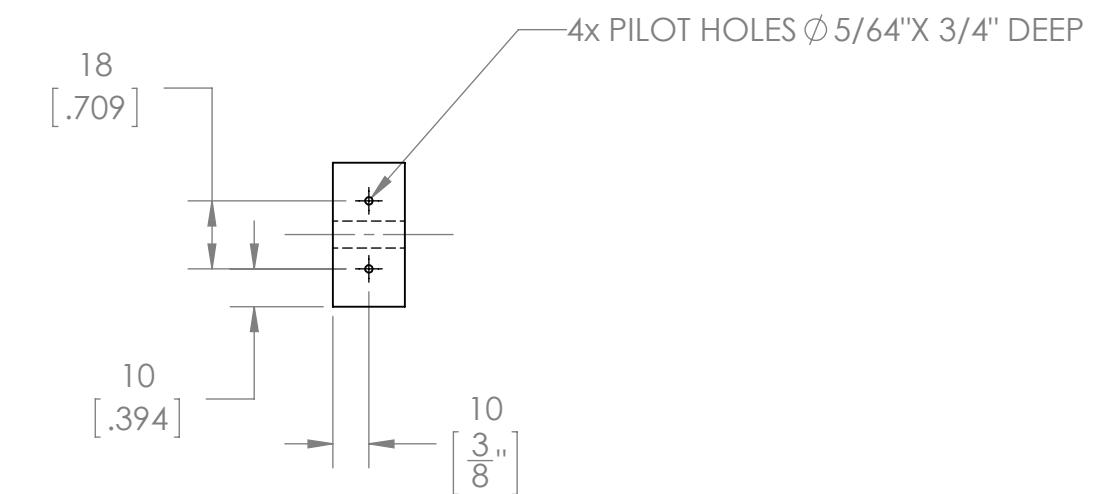
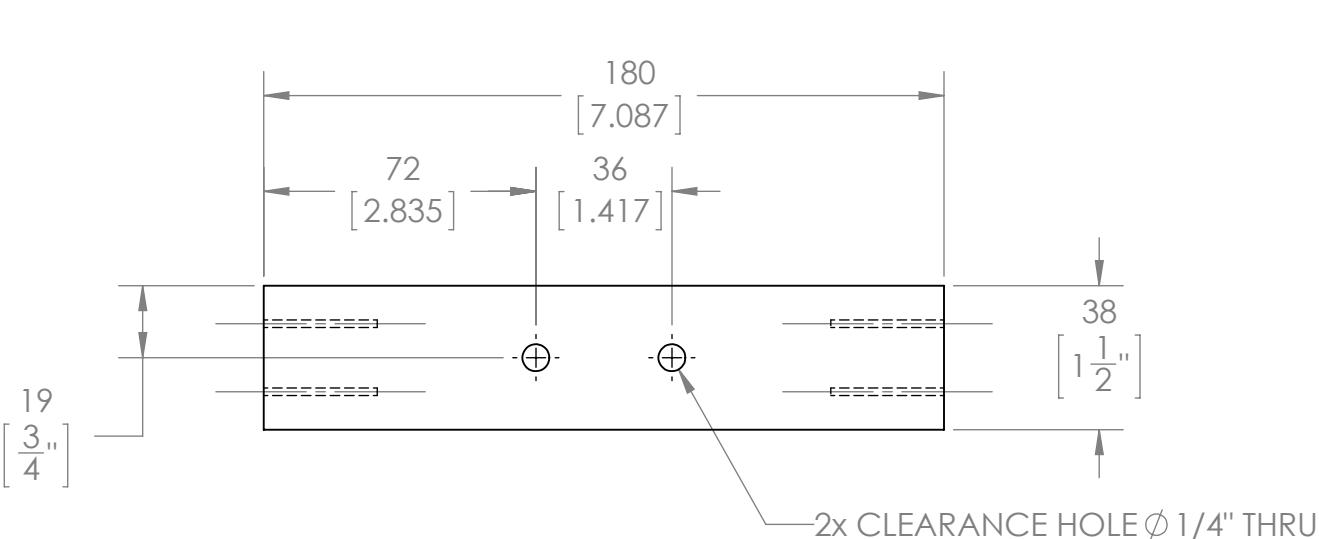
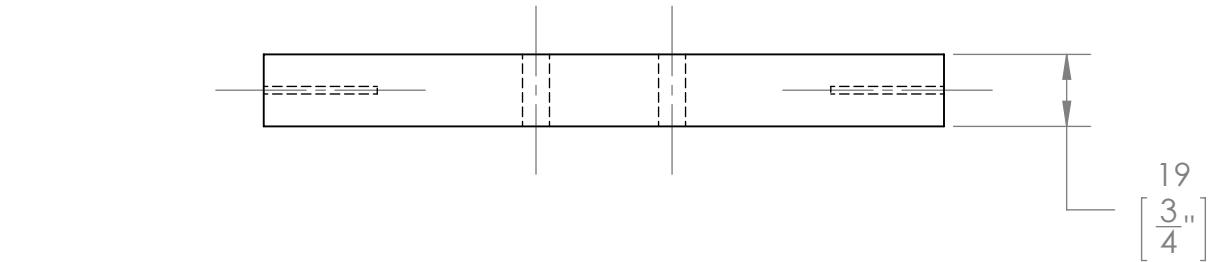
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: MOUNTING BRACKET, GUIDE PULLEY SIZE DWG. NO. B JB-P-1505 SCALE: 1:5 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP 03/01/13	
		TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5$ MM [.02IN.]		CHECKED		
				ENG APPR.		
				MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		
				COMMENTS:		
		MATERIAL 1X6 PINE				
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

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(2) REQUIRED PER QUADRANT, (8) PER FIELD

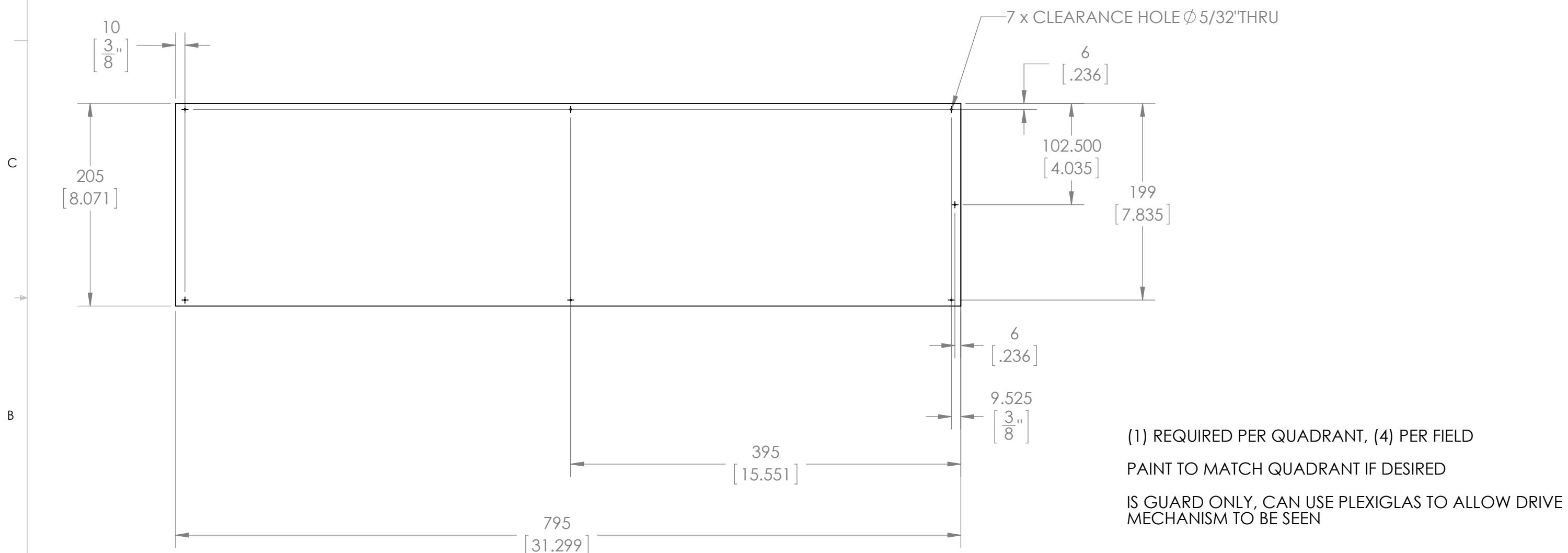
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: BRACKET, MOUNTING, U-BOLT BELT GUIDE SIZE DWG. NO. B JB-P-1506 SCALE: 1:2 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP 02/18/12	
		TOLERANCES: FRACTIONAL \pm 1/8	CHECKED		
		ANGULAR: MACH \pm 1 DEG	ENG APPR.		
		DECIMAL \pm .5MM [.02IN.]	MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL 1X2 PINE	COMMENTS:		
	NEXT ASSY	USED ON	FINISH		
		APPLICATION	DO NOT SCALE DRAWING		

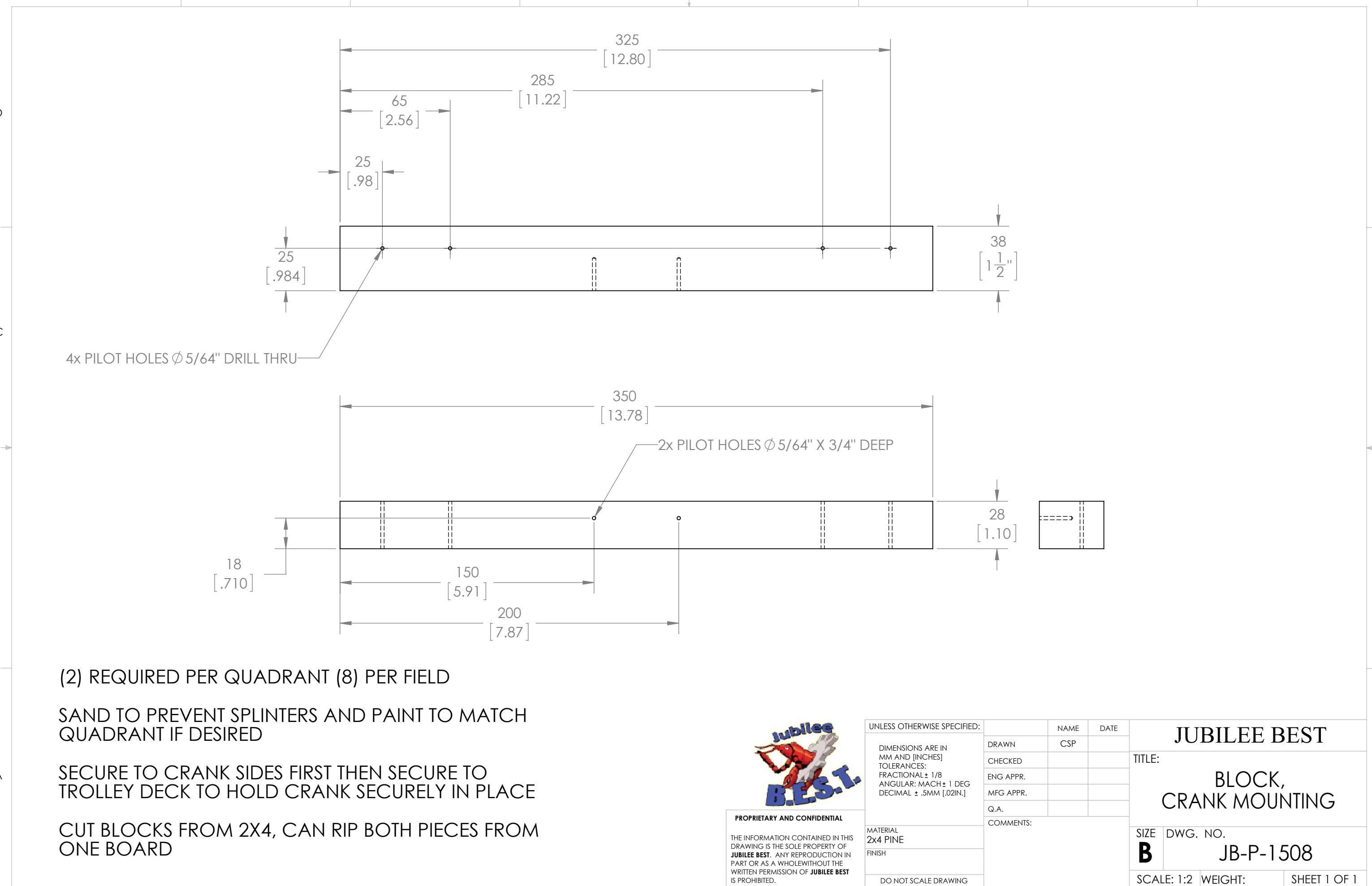
8 7 6 5 4 3 2 1



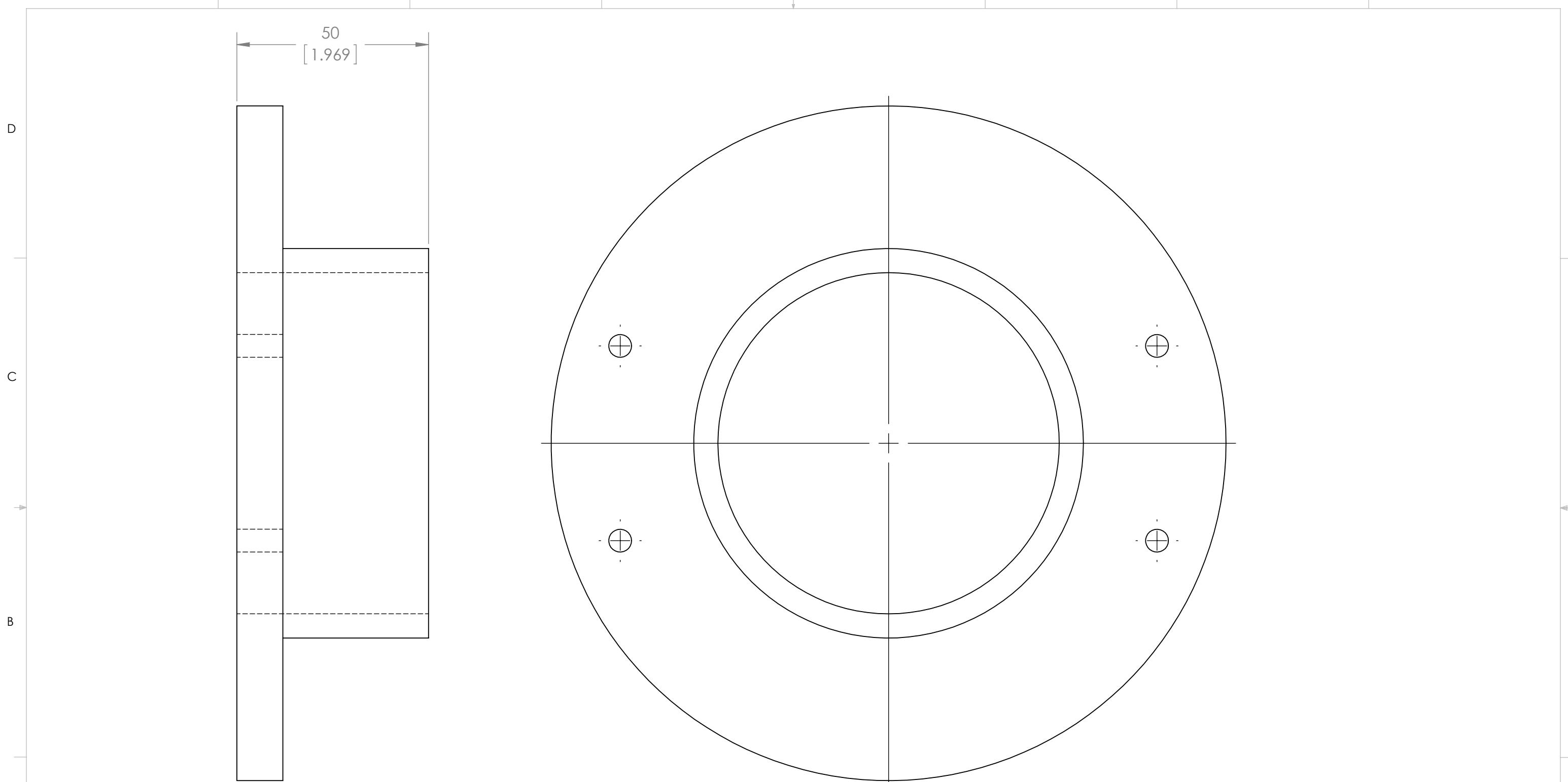
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JUBILEE BEST		
TITLE:		
SIZE	DWG. NO.	
B	JB-P-1507	
SCALE: 1:10	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	02/18/12
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	1/8" HARDBOARD	
FINISH		
DO NOT SCALE DRAWING		



8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT (8) PER FIELD

SEE PICTURES AND COMMENTS IN BUILDING NOTES FOR SAFE EFFECTIVE CUTTING PROCEDURE



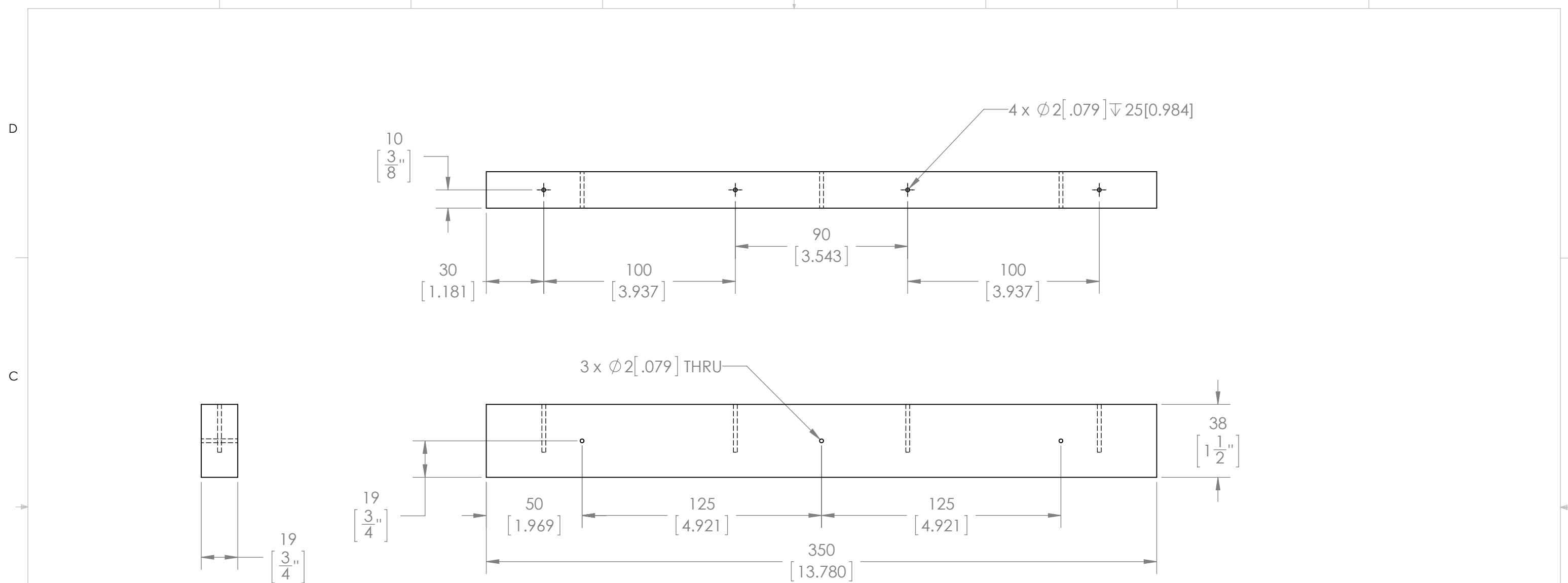
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JUBILEE BEST		
TITLE: 3" OR 4" LONG PATTERN TOILET FLANGE		
SIZE	DWG. NO.	
B	JB-P-1509	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED: NAME: DATE:
DIMENSIONS ARE IN CSP 02/18/12
MM AND [INCHES]
TOLERANCES:
FRACTIONAL: ± 1/8
ANGULAR: MACH ± 1 DEG
DECIMAL: ± .5MM [.02IN.]
DRAWN CHECKED ENG APPR. MFG APPR. Q.A.
COMMENTS:

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST	
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP		
		TOLERANCES:	CHECKED	03/02/13		
		FRACTIONAL \pm 1/8	ENG APPR.			
		ANGULAR: MACH \pm 1 DEG	MFG APPR.			
		DECIMAL \pm .5MM [.02IN.]	Q.A.			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
		MATERIAL 1X2 PINE				
NEXT ASSY	USED ON	FINISH				
		APPLICATION	DO NOT SCALE DRAWING			
SIZE	DWG. NO.					
B	JB-P-1510					
SCALE:	1:5	WEIGHT:				
		SHEET 1 OF 1				

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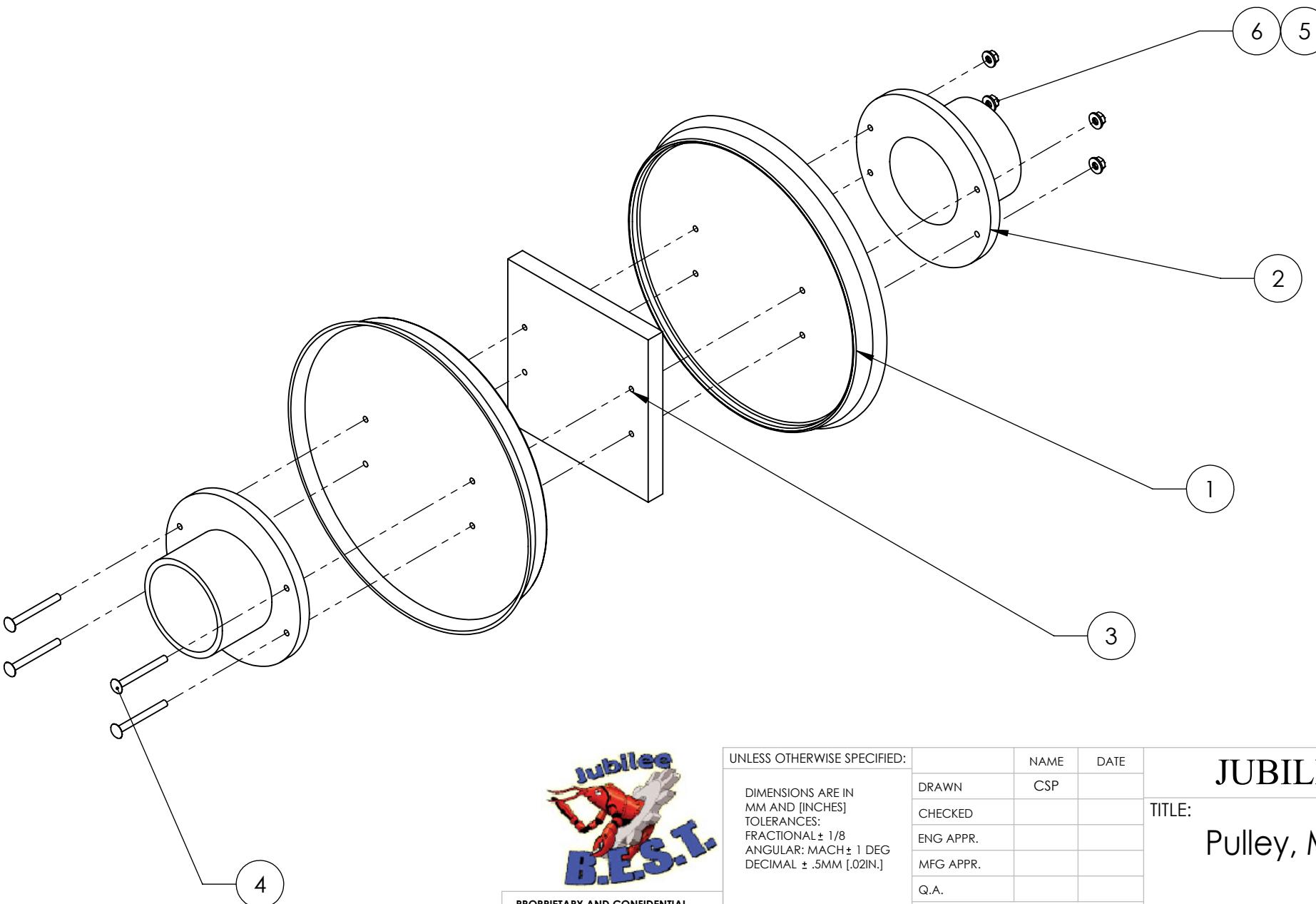
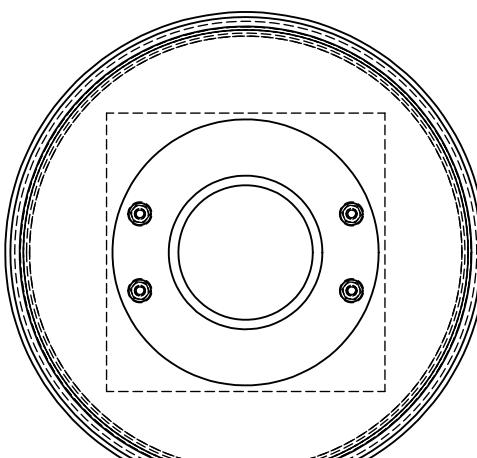
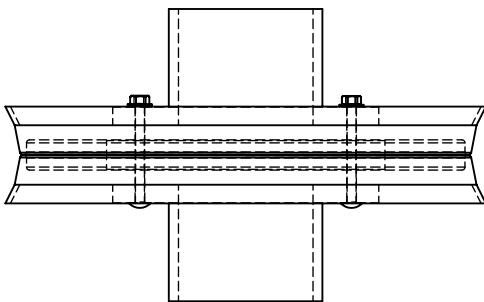
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-1601	PULLEY DRIVE HALF	2
2	JB-P-1602	3" OR 4" LONG PATTERN TOILET FLANGE	2
3	JB-P-1603	SPACER BLOCK, DRIVE PULLEY	1
4	MACHINE SCREW	1/4"-20 X 2-1/2" MACHINE SCREW	4
5	FLAT WASHER	1/4" FLAT WASHER	4
6	HEX NUT	1/4"-20 HEX NUT	4

(1) REQUIRED PER QUADRANT (4) PER FIELD
TIGHTEN SCREWS DOWN TIGHT AGAINST CENTER SPACER BOARD

USE FLANGE TO MATCH DRILL HOLES, USE SPACER BLOCKS TO CENTER FLANGE ON BUCKET LID. (SEE NOTE ON JB-P-1601)



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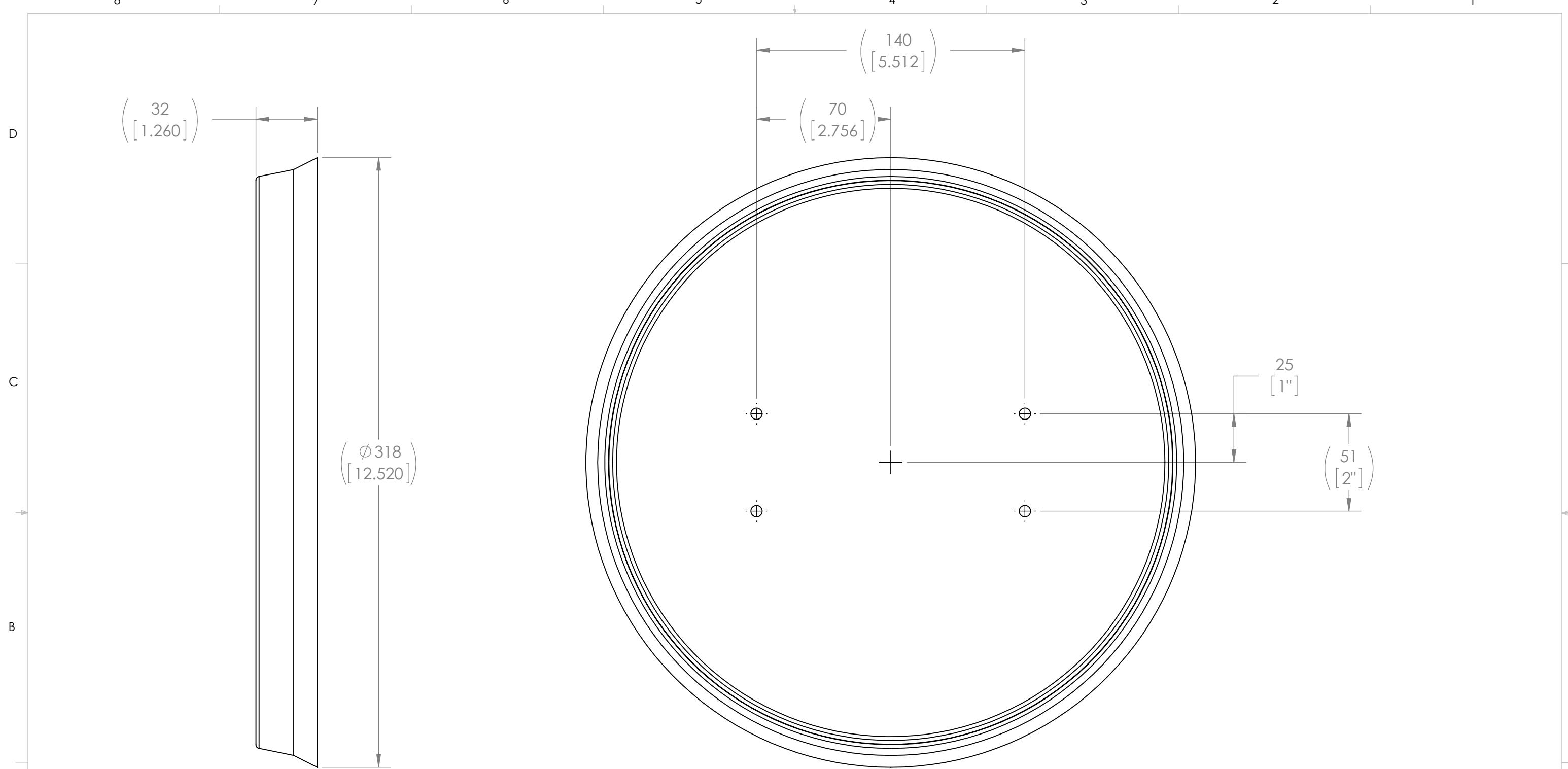
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWN	CSP		
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			

JUBILEE BEST

TITLE:
Pulley, Main Drive

SIZE DWG. NO.
B JB-SA-1600

SCALE: 1:5 WEIGHT: SHEET 1 OF 1



(2) REQUIRED PER QUADRANT (8) PER FIELD

HOLE DIMENSIONS ARE FOR REFERENCE

RECOMMENDED PROCEDURE IS TO CUT (4) 57MM LONG PIECES OF 1X2 AND PLACE BETWEEN EDGE OF LID TOP AND EDGE OF FLANGE AT ALL FOUR QUADRANTS OF FLANGE. THIS WILL CENTER THE FLANGE AND ALLOW THE HOLES TO BE DRILLED TO MATCH.

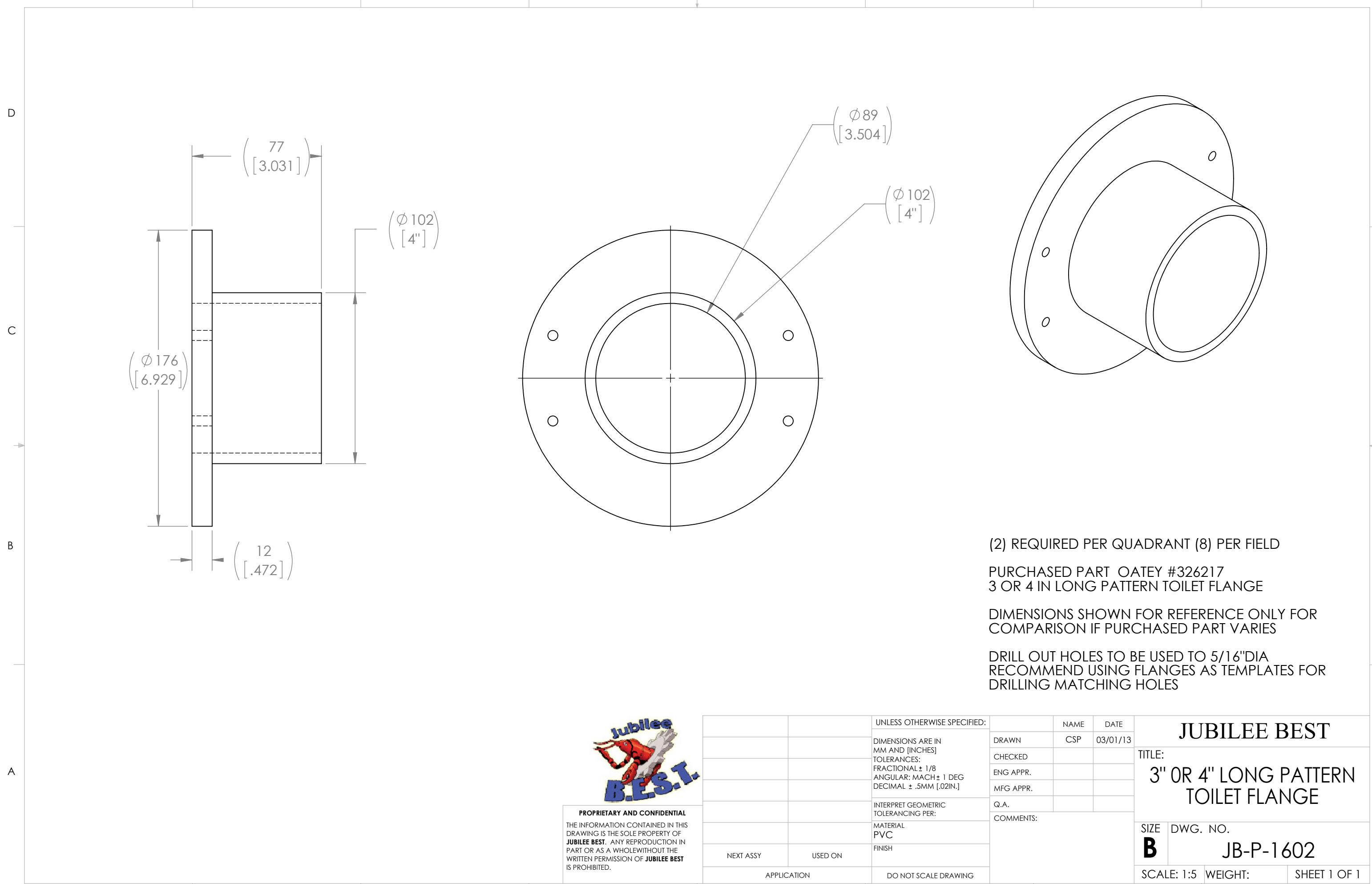
FOR BEST RESULTS WIDEN FLANGE HOLES BY DRILLING WITH 5/16" BIT BEFORE MATCH DRILLING LID



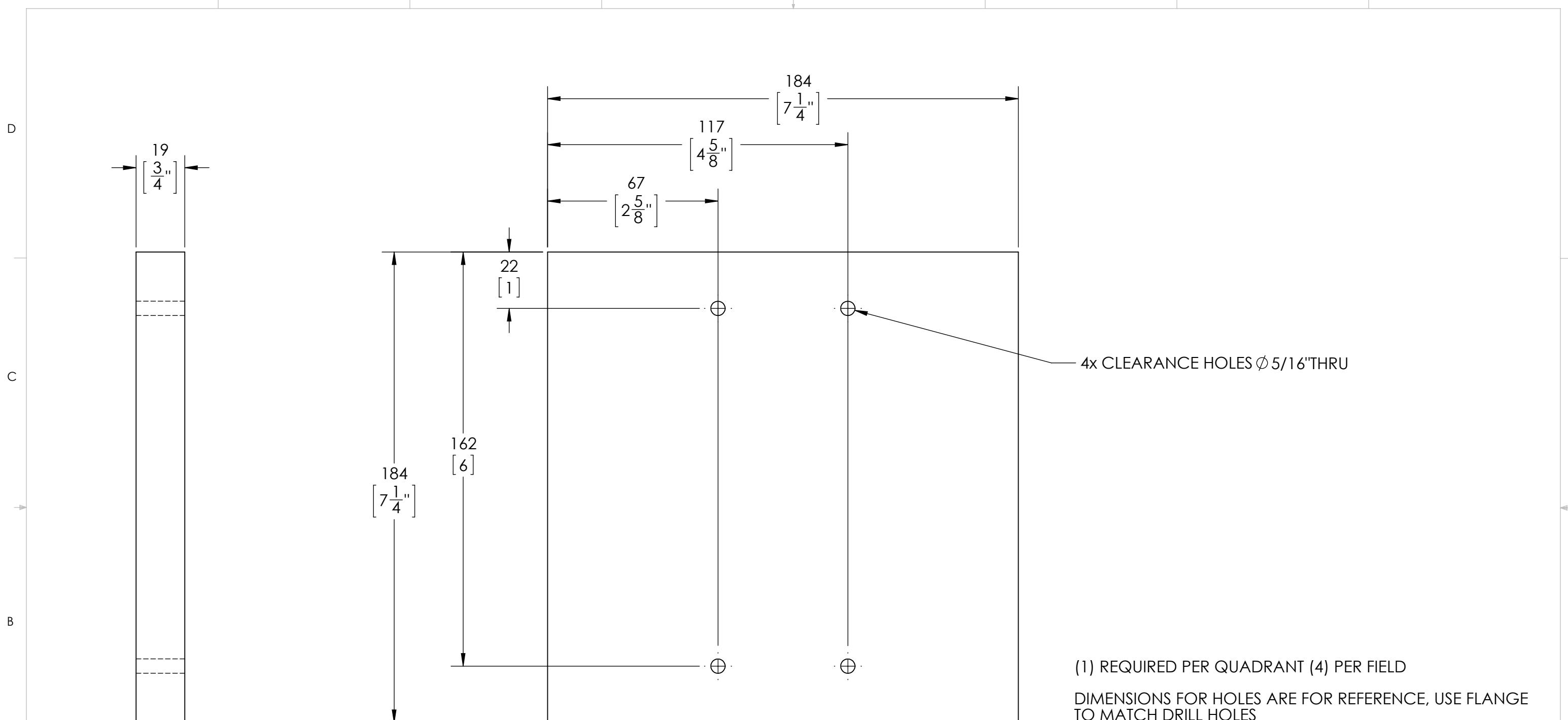
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: PULLEY DRIVE HALF SIZE DWG. NO. B JB-P-1601 SCALE: 1:5 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5$ MM [.02IN.]	CHECKED			
			ENG APPR.			
			MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL LOWE'S 5GAL BUCKET LID	COMMENTS:			
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

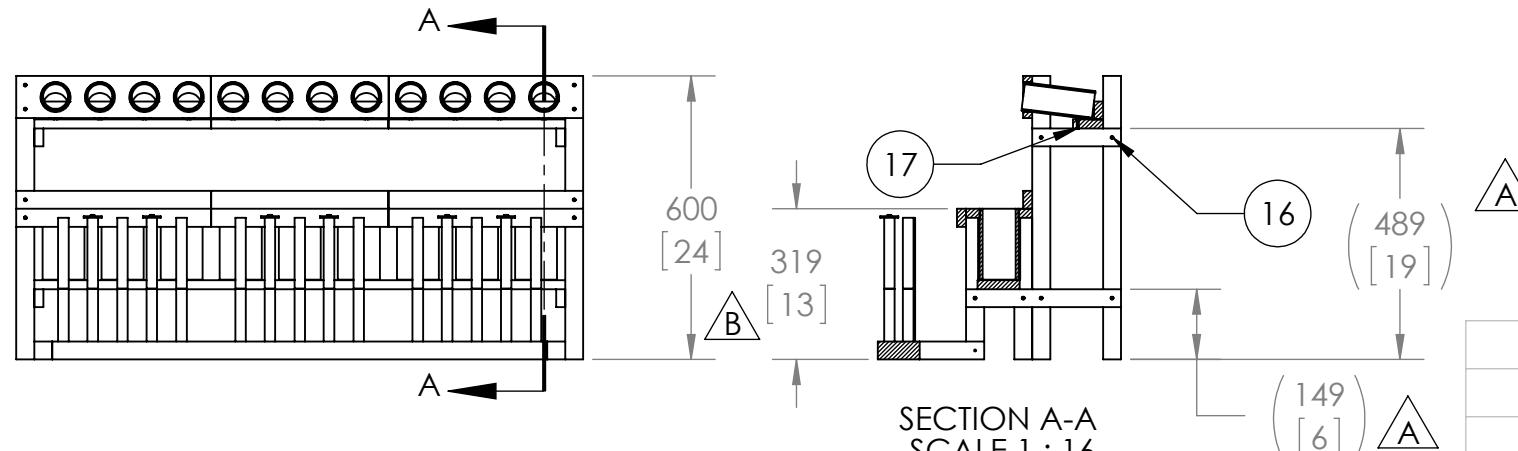
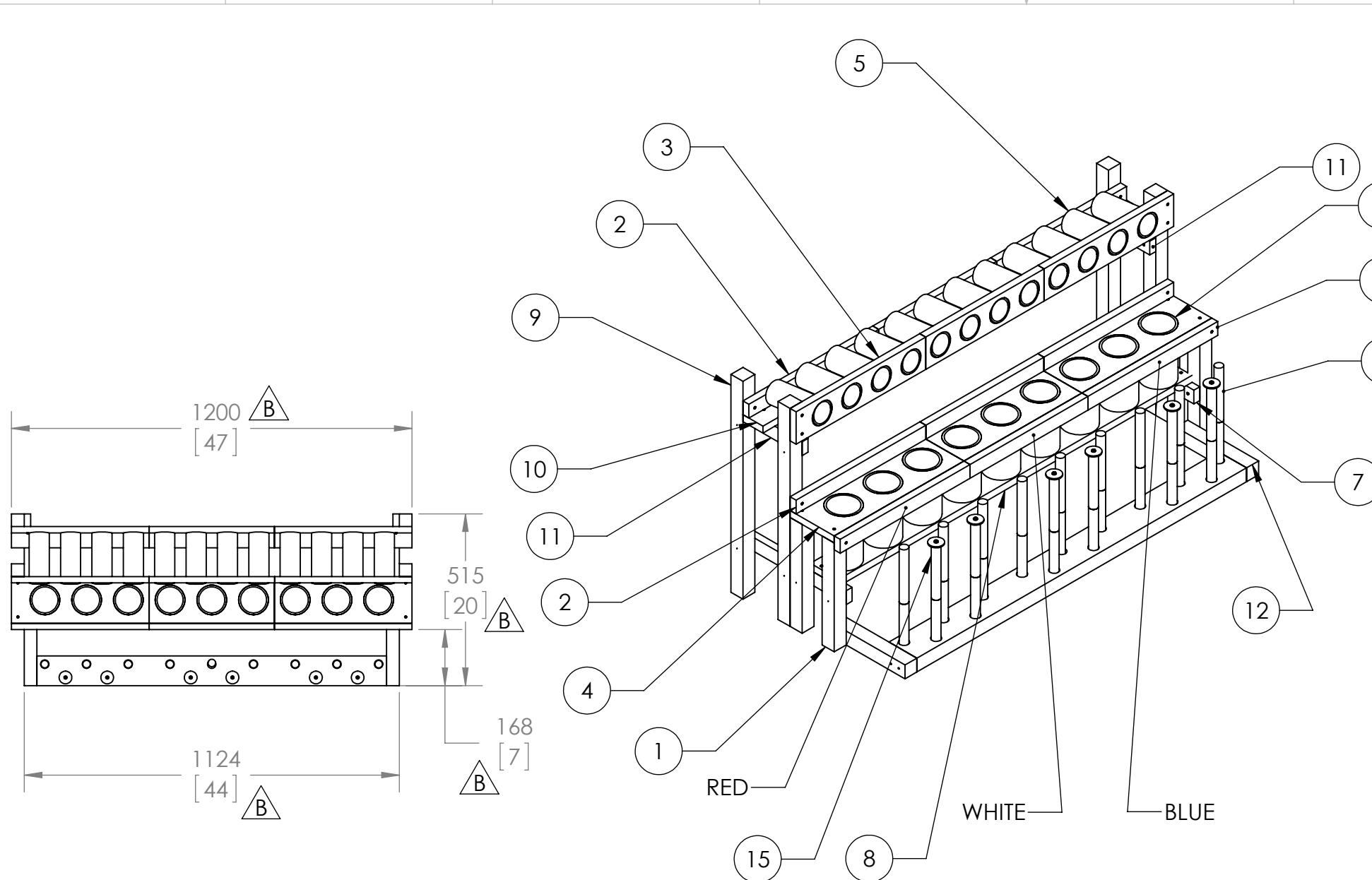


8 7 6 5 4 3 2 1



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JUBILEE BEST		
TITLE: SPACER BLOCK, DRIVE PULLEY		
SIZE	DWG. NO.	B JB-P-1603
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	05/28/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL		
1x8 Pine		
FINISH		
DO NOT SCALE DRAWING		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD
DIMENSIONS ADDED FOR REFERENCE DURING ASSEMBLY

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-2001_RevB	LEG, SHORT AREA 1 SCORING	4
2	JB-P-2002_RevB	CROSS BRACE	3
3	JB-P-2003_RevC	2" TUBE, FACE BOARD	1
4	JB-P-2004_RevB	3" TUBE, FACE BOARD	1
5	JB-P-2005_RevB	SCORING TUBE, 2" PVC	12
6	JB-P-2006	SCORING TUBE, 3" PVC	9
7	JB-P-2007_RevB	SHORT BRACE	2
8	JB-P-2008_RevB	3" TUBE BOTTOM	1
9	JB-P-2009_RevB	LEG, LONG	4
10	JB-P-2010_RevC	SUPPORT, TOP TUBES	1
11	JB-P-2011_RevB	SHORT BRACE, TOP	2
12	JB-P-2013	SPACER, DOWEL STORAGE, AREA1 PARTS	2
13	JB-P-2014_RevB	DOWEL STORAGE RACK, AREA1 STORAGE	1
14	JB-P-2015	DOWEL, AREA1 SCORING PART	9
15	JB-SA-2100	POKA-YOKE SCORING DOWEL	6
16	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	35
17	SELF-TAPPING SCREW	1.0" WOOD SCREW	12

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED POKA-YOKE ASSEMBLY ADDED DIMENSIONS FOR ASSEMBLY REFERENCE	7/7/2013	
B	ADDED ADDITIONAL DIMENSIONS	7/29/2013	

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	CSP 02/18/12
TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm	CHECKED	
TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	ENG APPR.	
	MFG APPR.	
INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL	Q.A.	
	COMMENTS:	
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

JUBILEE BEST

AREA 1 SCORING

SIZE DWG. NO.
B JB-SA-2000_RevE

SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

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(4) REQUIRED PER QUADRANT, (16) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: LEG, SHORT AREA 1 SCORING
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL $\pm 1/8$	CHECKED			
		ANGULAR: MACH ± 1 DEG	ENG APPR.			
		DECIMAL $\pm .5$ MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 2X2 PINE	COMMENTS:			
	NEXT ASSY	USED ON	FINISH			
			APPLICATION	DO NOT SCALE DRAWING		
SIZE	DWG. NO.					
B	JB-P-2001_RevB					
SCALE: 1:5	WEIGHT:					
						SHEET 1 OF 1

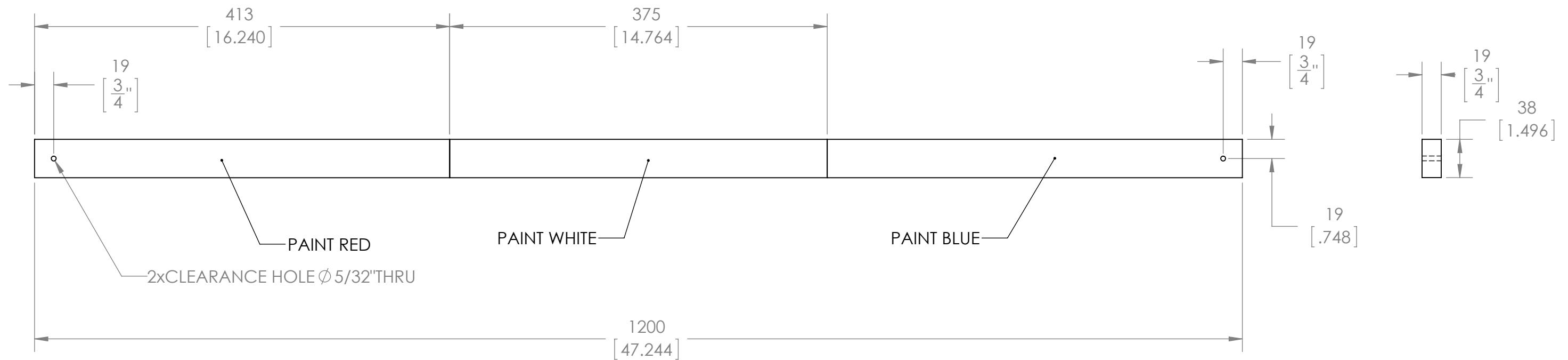
8 7 6 5 4 3 2 1

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(3) REQUIRED PER QUADRANT, (12) PER FIELD

SAND TO MINIMIZE SPLINTERS AND PAINT AS INDICATED

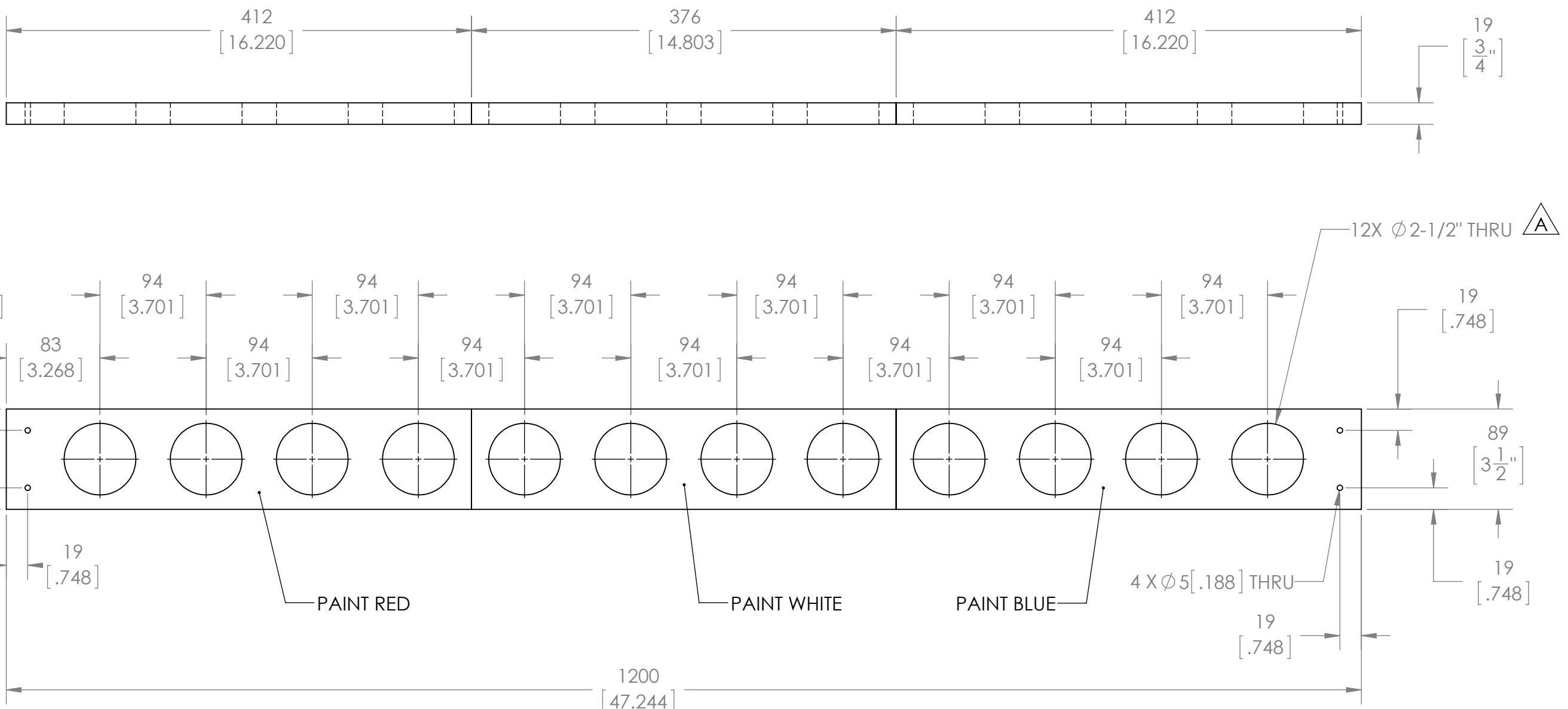
THE PAINTED AREA ON THIS PART SHOWS THE "AND, OR, & NOT"
FABRICATION AREAS



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	02/27/13		
TOLERANCES: FRACTIONAL \pm 1/8		CHECKED				
ANGULAR: MACH \pm 1 DEG		ENG APPR.	<th data-kind="ghost"></th>			
DECIMAL \pm .5MM [.02IN.]		MFG APPR.	<th data-kind="ghost"></th>			
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.				
MATERIAL 1X2 PINE		COMMENTS:				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				
SIZE	DWG. NO.					
B	JB-P-2002_RevB					
SCALE: 1:10	WEIGHT:			SHEET 1 OF 1		

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED DIMENSION FOR SCORING TUBE HOLES	7/8/2013	



(1) REQUIRED PER QUADRANT, (4) PER FIELD

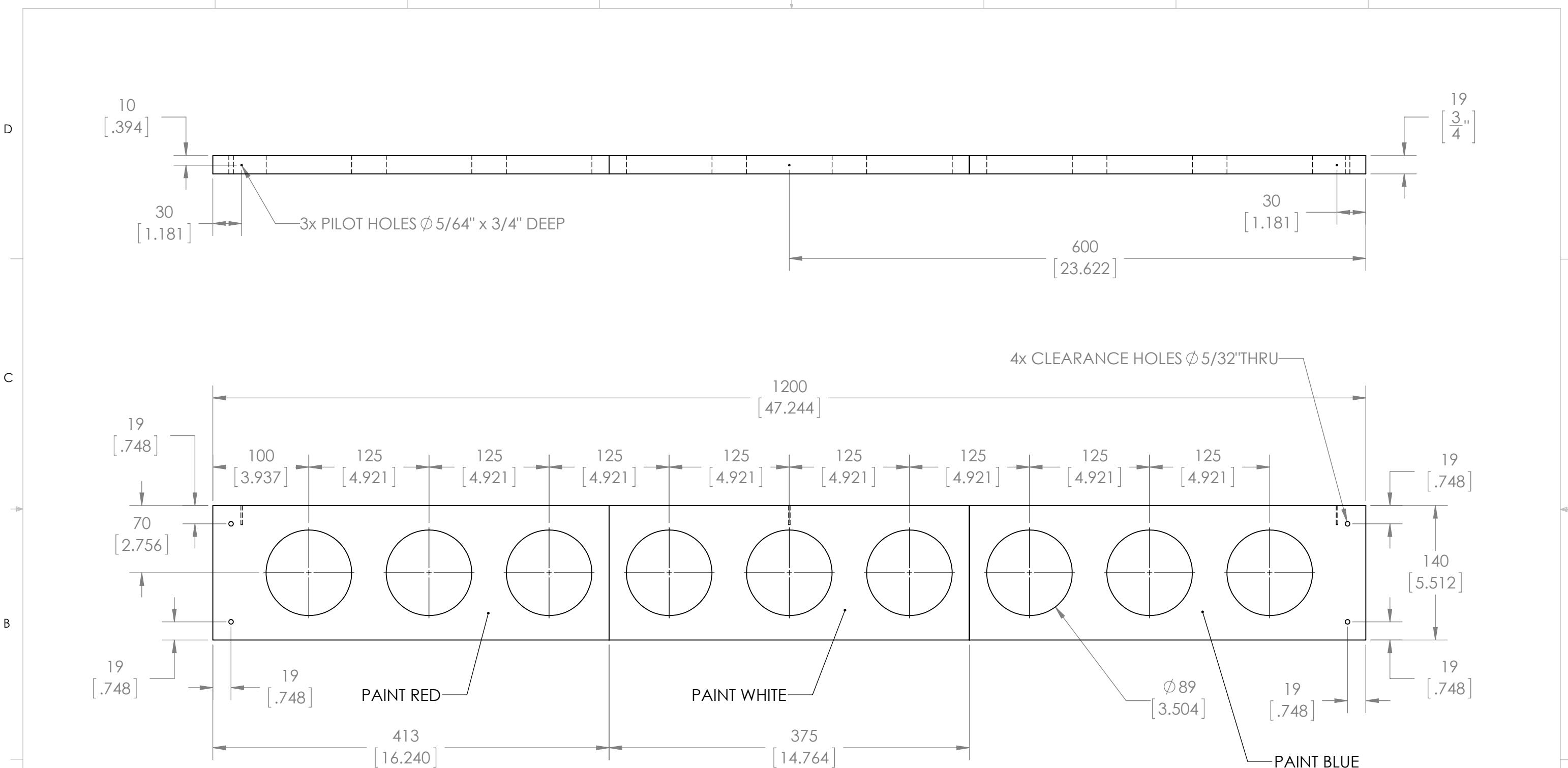
SAND TO MINIMIZE SPLINTERS AND PAINT AS INDICATED

THE PAINTED AREA ON THIS PART SHOWS THE "AND, OR, & NOT" FABRICATION AREAS



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: <big>2" TUBE, FACE BOARD</big>
		DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	DRAWN	CSP	02/27/13	
			CHECKED			
			ENG APPR.			
			MFG APPR.			
			Q.A.			
		COMMENTS:				
		MATERIAL 1X4 PINE				SIZE DWG. NO. B JB-P-2003_RevC
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:10 WEIGHT: SHEET 1 OF 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT AS INDICATED

THE PAINTED AREA ON THIS PART SHOWS THE "AND, OR, & NOT" FABRICATION AREAS

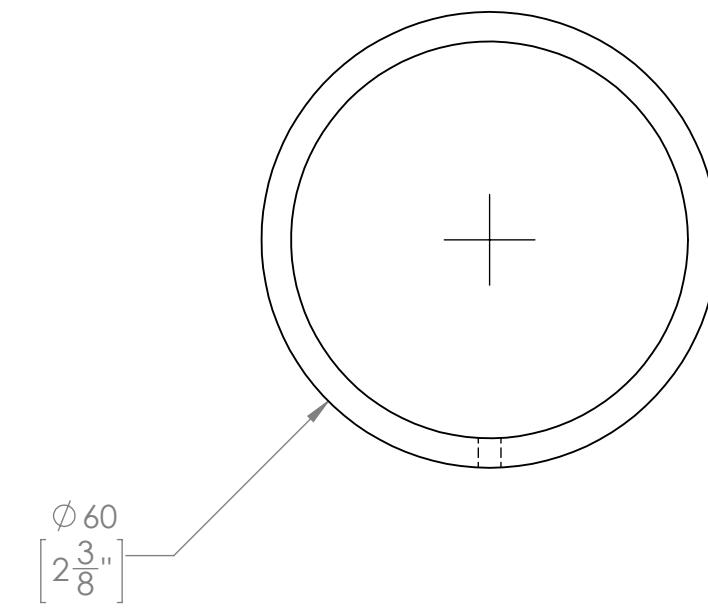


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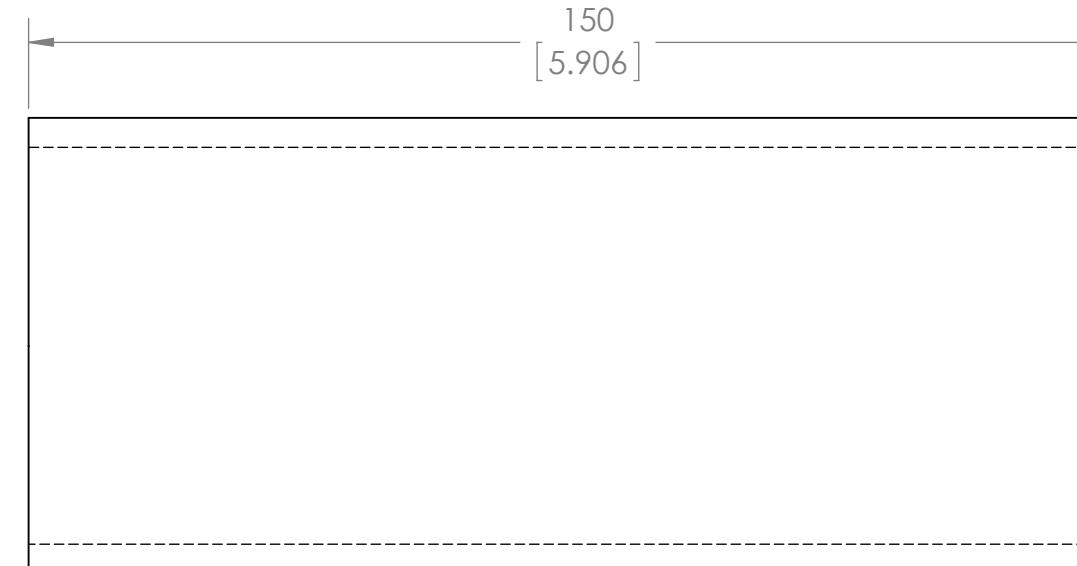
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: 3" TUBE, FACE BOARD
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL \pm 1/8	CHECKED			
		ANGULAR: MACH \pm 1 DEG	ENG APPR.			
		DECIMAL \pm .5MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 1X6 PINE	COMMENTS:			
NEXT ASSY	USED ON	FINISH				SIZE DWG. NO. B JB-P-2004_RevB
APPLICATION		DO NOT SCALE DRAWING				
SCALE: 1:10			WEIGHT:		SHEET 1 OF 1	

8 7 6 5 4 3 2 1

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[$2\frac{3}{8}$ "]

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(12) REQUIRED PER QUADRANT, (48) PER FIELD

DRILL HOLE IN BOTTOM TO ALLOW FOR SCREW TO
ANCHOR INTO PLACE



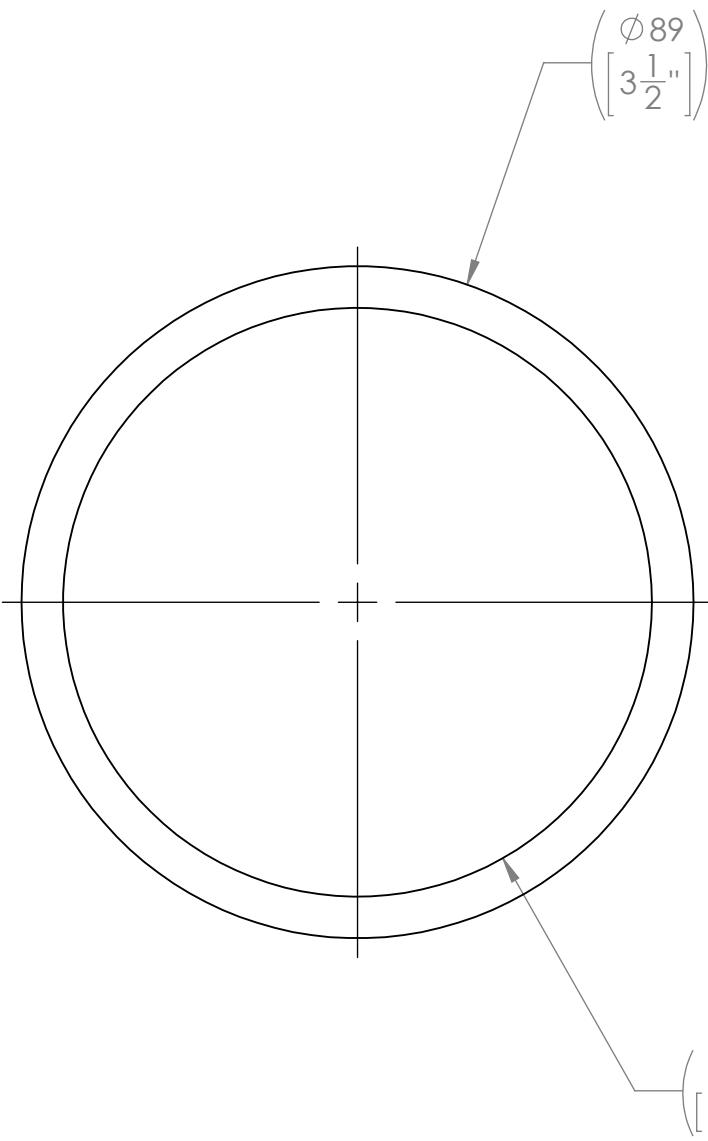
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: SCORING TUBE, 2" PVC SIZE DWG. NO. B JB-P-2005_RevB SCALE: 1:2 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	03/01/13	
		TOLERANCES: FRACTIONAL $\pm 1/8$	CHECKED			
		ANGULAR: MACH ± 1 DEG	ENG APPR.			
		DECIMAL $\pm .5$ MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 2" SCH 40 - PVC	COMMENTS:			
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

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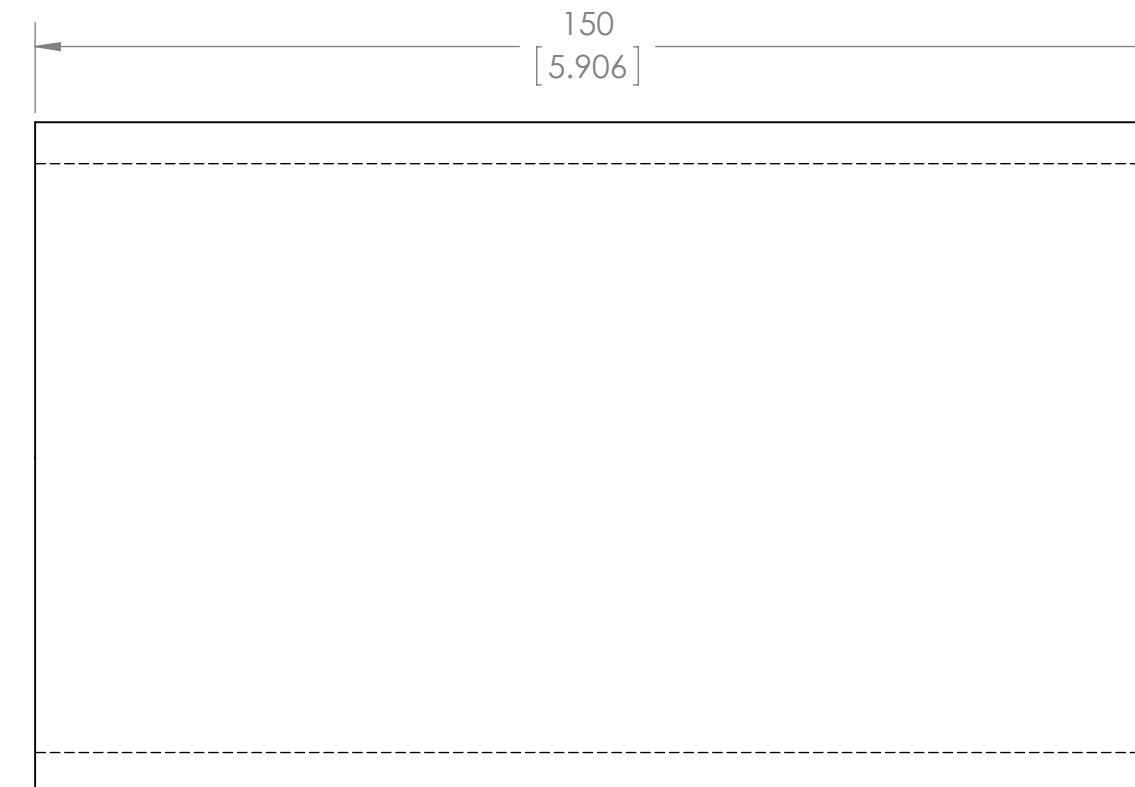


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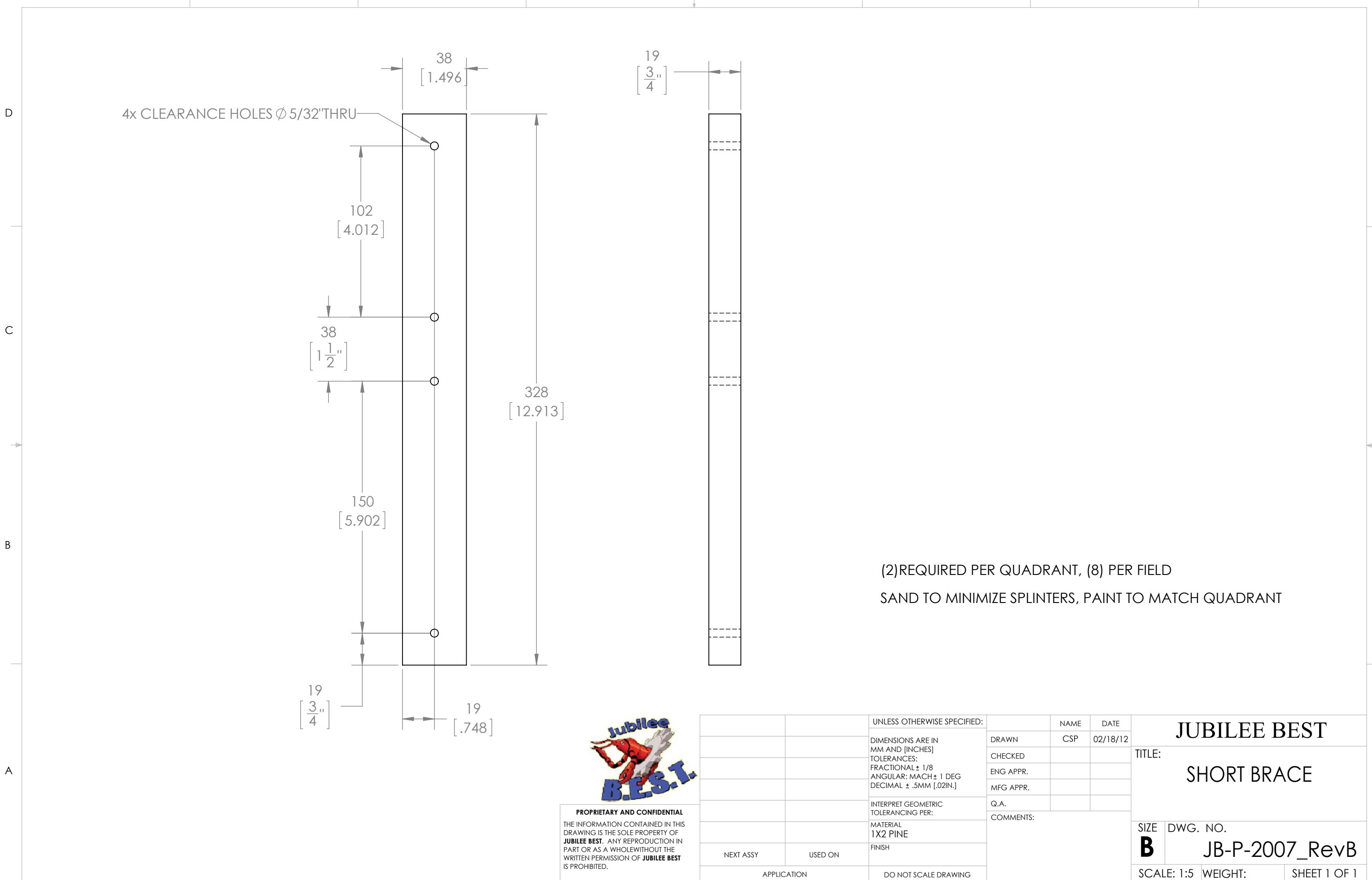
(9) REQUIRED PER QUADRANT, (36) PER FIELD



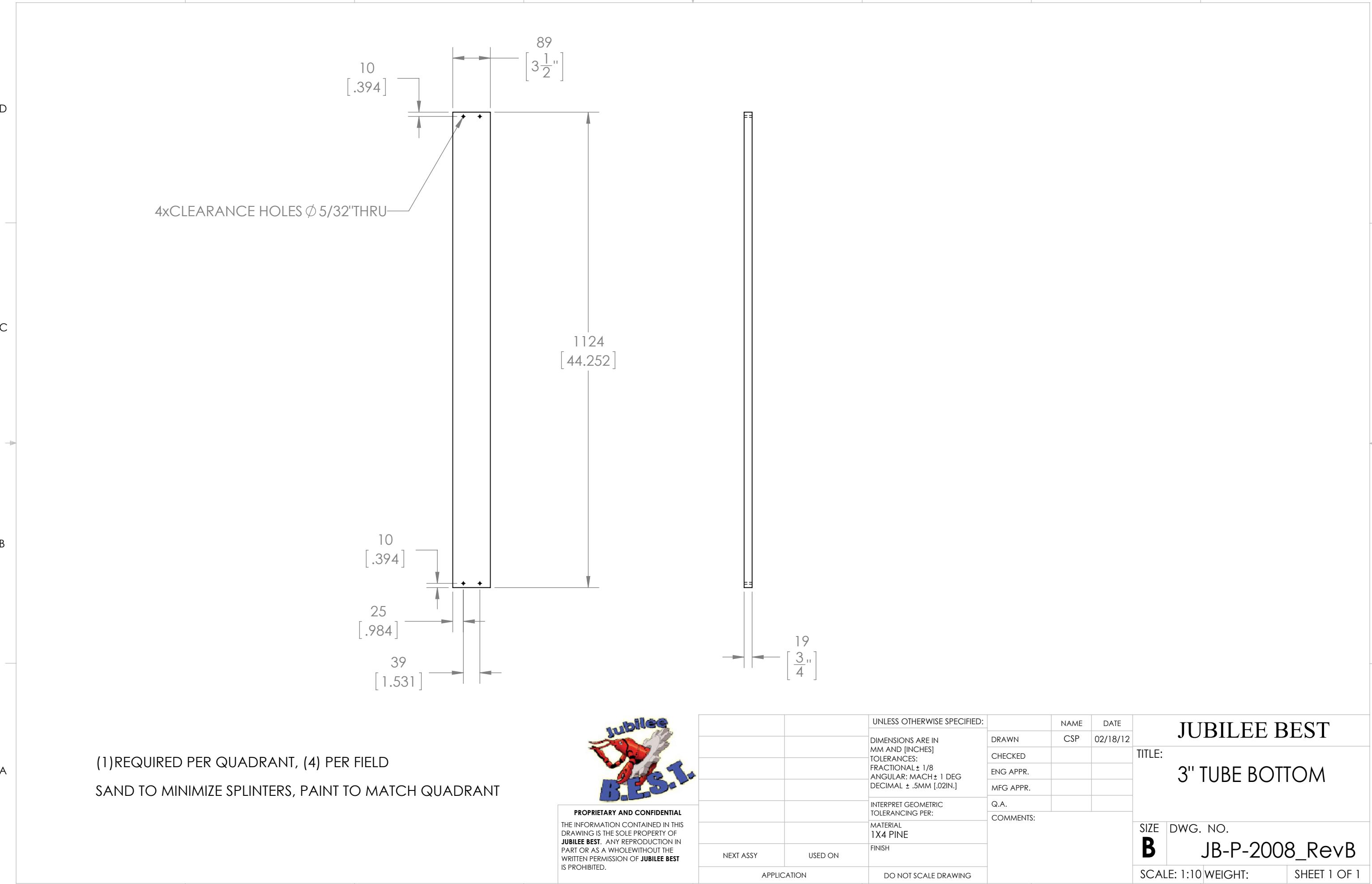
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: SCORING TUBE, 3" PVC SIZE DWG. NO. B JB-P-2006 SCALE: 1:2 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL $\pm 1/8$	CHECKED			
		ANGULAR: MACH ± 1 DEG	ENG APPR.			
		DECIMAL $\pm .5$ MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 3" SCH40- PVC	COMMENTS:			
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1



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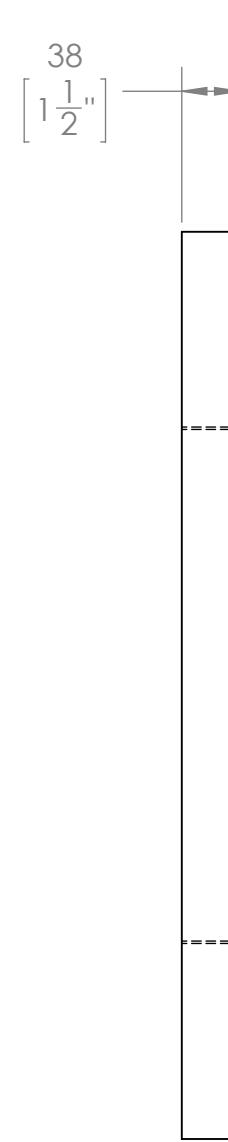
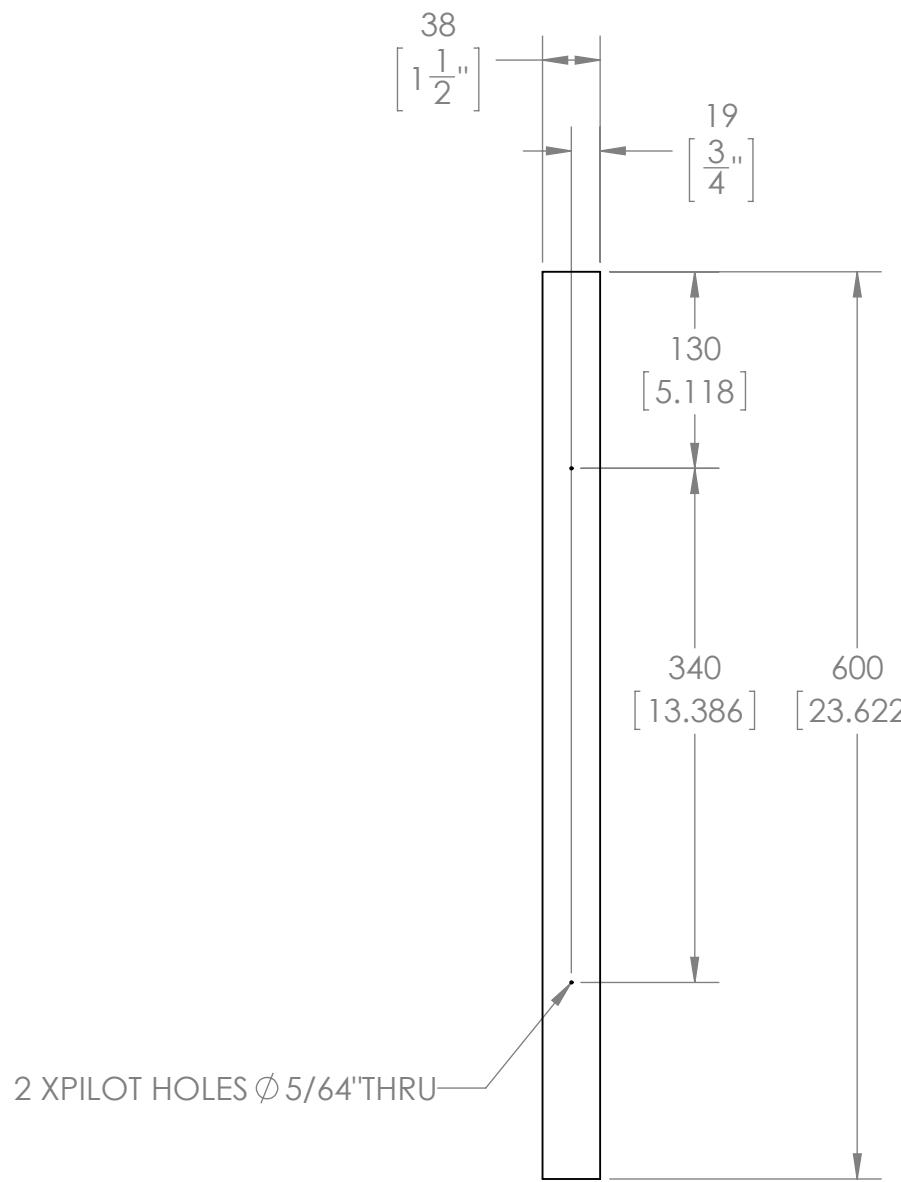
3

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(4)REQUIRED PER QUADRANT, (16) PER FIELD

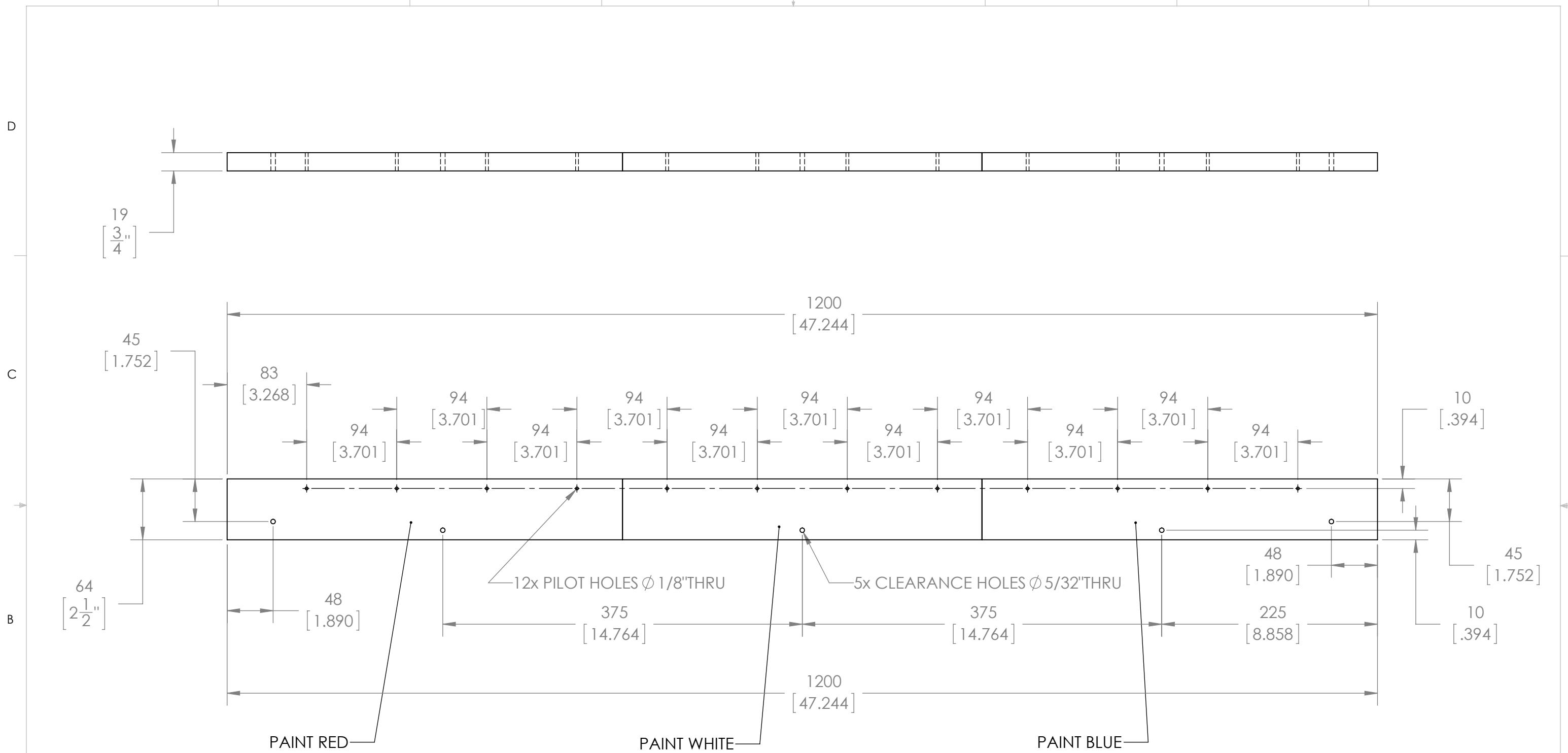
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: LEG, LONG A
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL ± 1/8	CHECKED			
		ANGULAR: MACH ± 1 DEG	ENG APPR.			
		DECIMAL ± .5MM [.02IN.]	MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
		MATERIAL 2X2 PINE	COMMENTS:			
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			
SIZE	DWG. NO.					
B	JB-P-2009_RevB					
SCALE: 1:5	WEIGHT:					
	SHEET 1 OF 1					

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS AND PAINT AS INDICATED

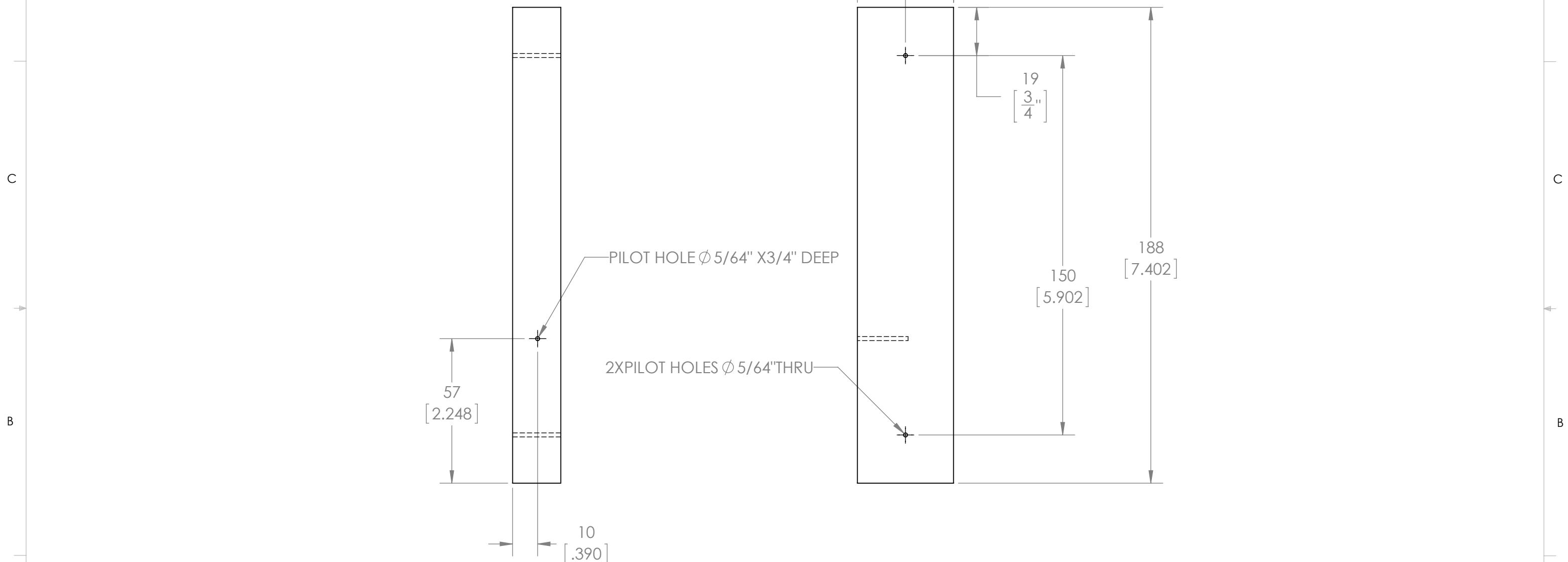
THE PAINTED AREA ON THIS PART SHOWS THE "AND, OR, & NOT"
FABRICATION AREAS



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: SUPPORT, TOP TUBES SIZE DWG. NO. B JB-P-2010_RevC SCALE: 1:10 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5MM$ [.02IN.]	CHECKED			
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.			
		MATERIAL 1X3 PINE	MFG APPR.			
		FINISH	Q.A.			
NEXT ASSY	USED ON	APPLICATION	COMMENTS:			
		DO NOT SCALE DRAWING				

8 7 6 5 4 3 2 1



(2) REQUIRED PER QUADRANT, (8) PER FIELD

SAND TO MINIMIZE SPLINTERS AND PAINT TO MATCH QUADRANT



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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: SHORT BRACE, TOP SIZE DWG. NO. B JB-P-2011_RevB SCALE: 1:2 WEIGHT: SHEET 1 OF 1
DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	02/18/12	
TOLERANCES:		CHECKED			
FRACTIONAL \pm 1/8		ENG APPR.			
ANGULAR: MACH \pm 1 DEG		MFG APPR.			
DECIMAL \pm .5MM [.02IN.]		Q.A.			
INTERPRET GEOMETRIC TOLERANCING PER:		COMMENTS:			
MATERIAL					
1X2 PINE					
NEXT ASSY	USED ON	FINISH			
	APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

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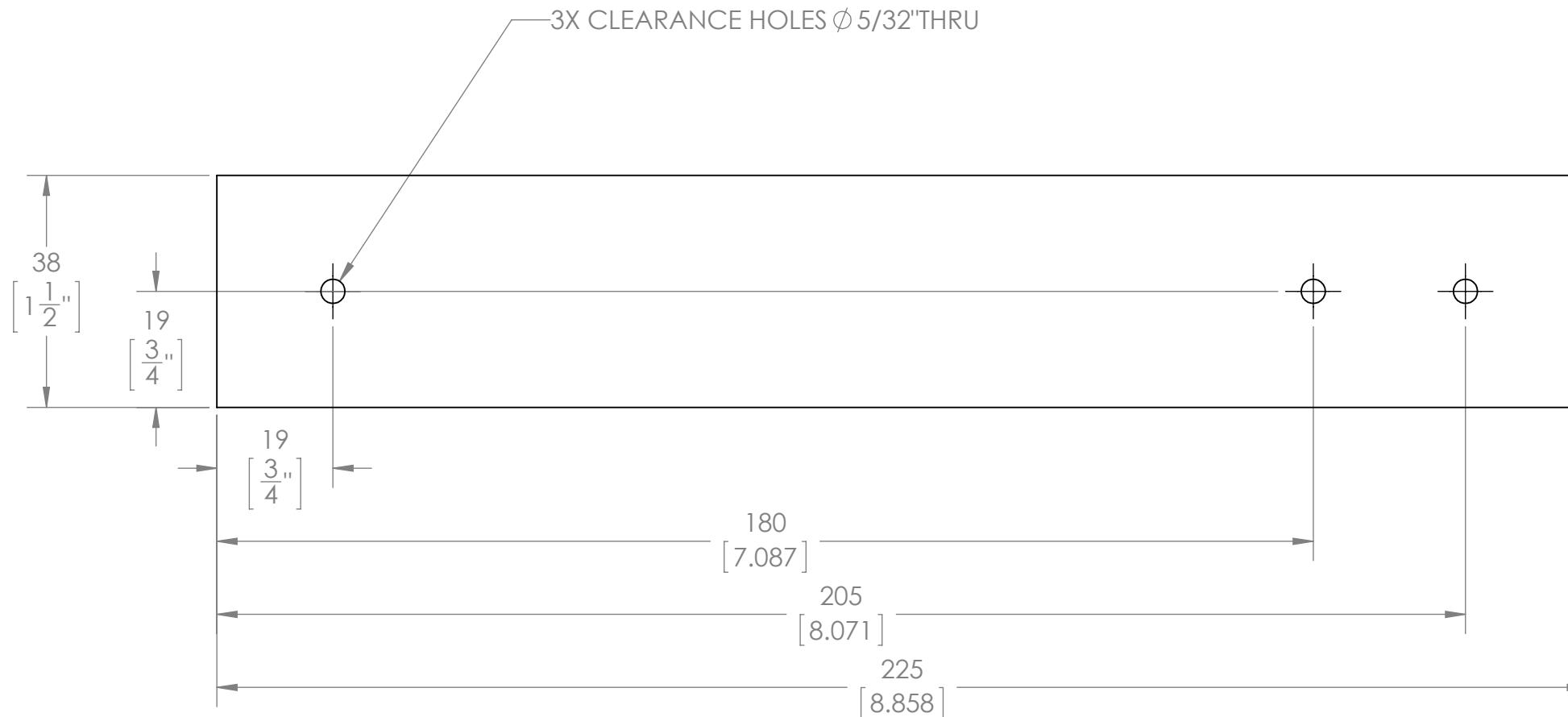


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(2) REQUIRED PER QUADRANT, (8) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	06/08/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL		
2X2 PINE		
FINISH		
DO NOT SCALE DRAWING		

JUBILEE BEST

TITLE:
SPACER, DOWEL
STORAGE, AREA1 PARTS

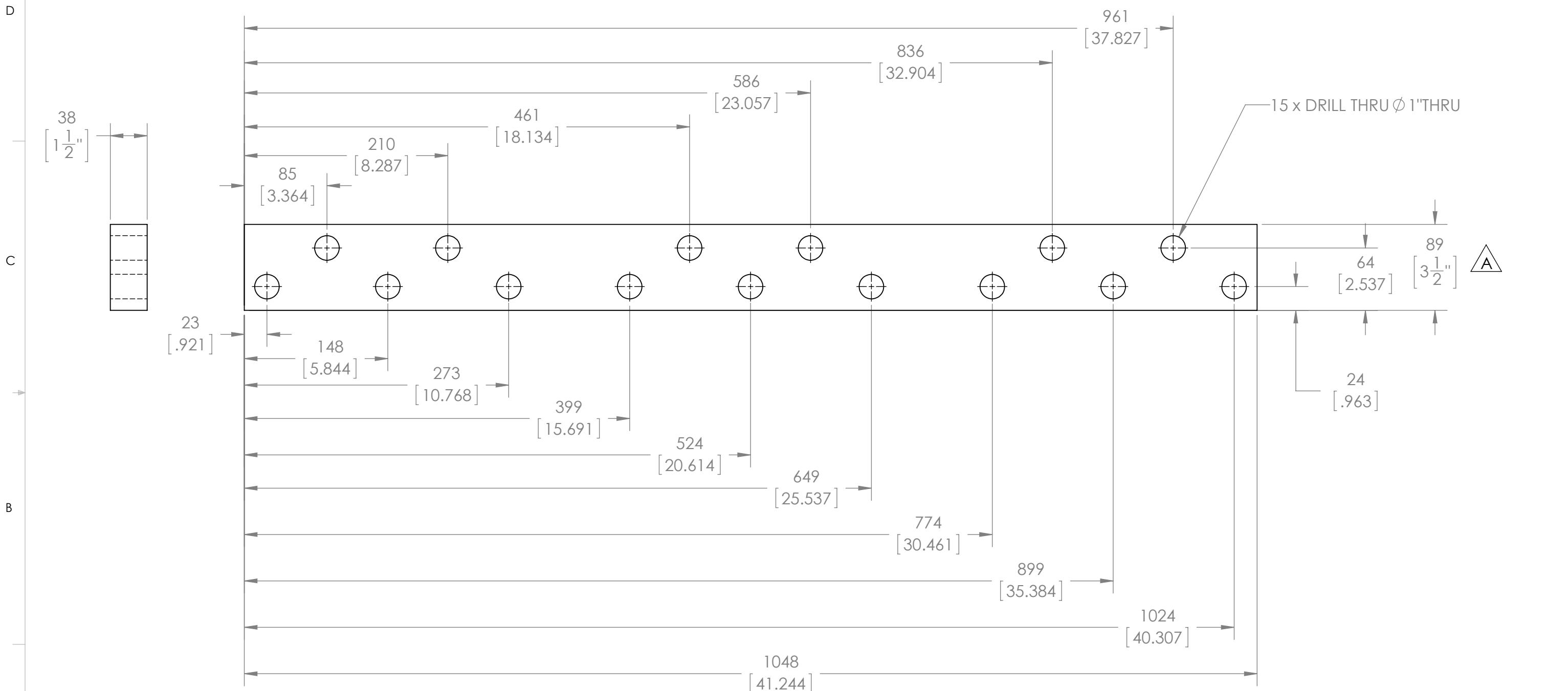
SIZE DWG. NO.
B JB-P-2013
SCALE: 1:2 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

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8 7 6 5 4 3 2 1

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CORRECTED BOARD WIDTH	7/15/2013	



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT

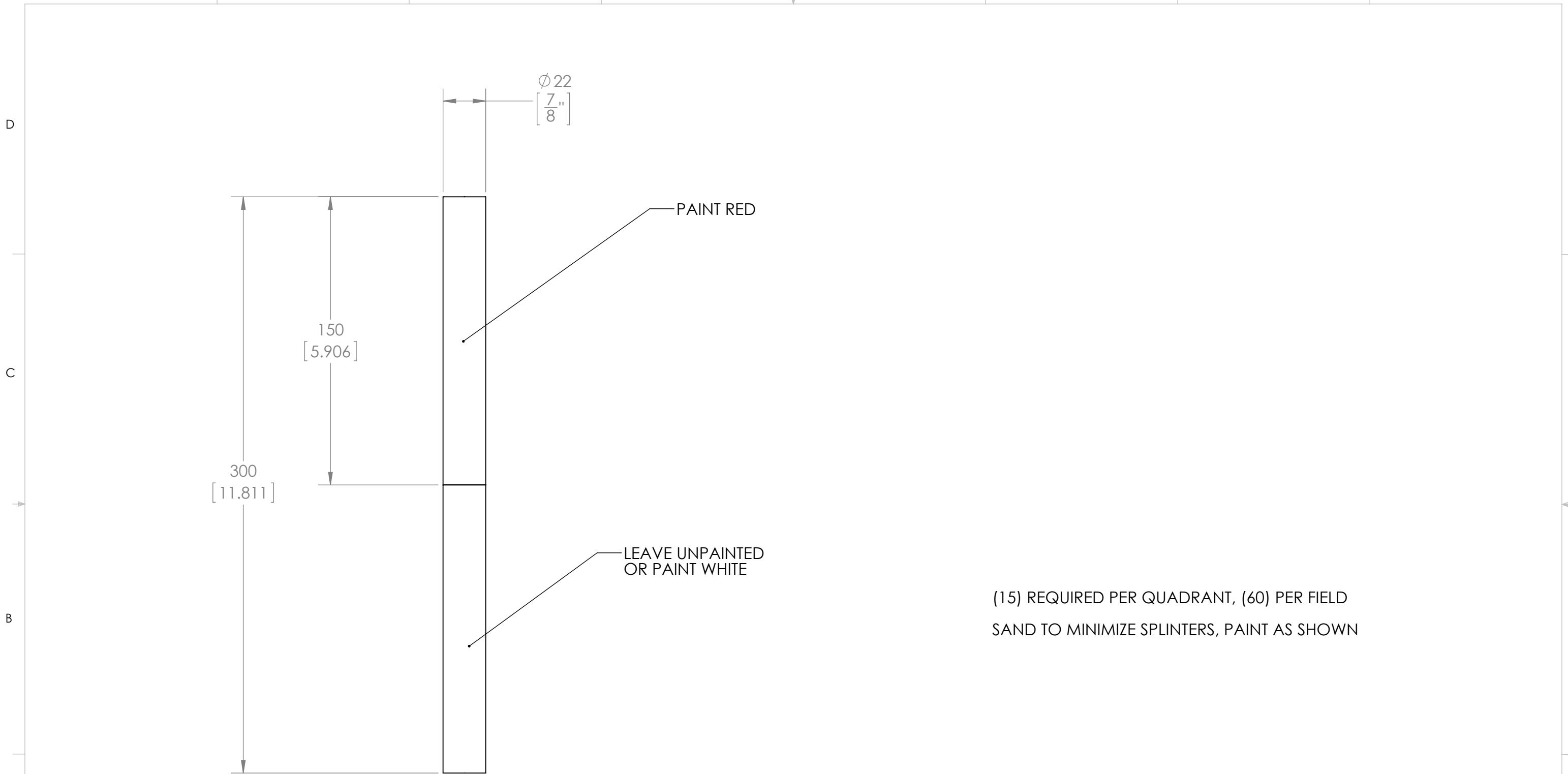


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IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:			NAME	DATE	JUBILEE BEST TITLE: DOWEL STORAGE RACK, AREA1 STORAGE		
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL ± 1/8 ANGULAR: MACH ± 1 DEG DECIMAL ± .5MM [.02IN.]		DRAWN	CSP	02/18/12			
		CHECKED					
		ENG APPR.					
		MFG APPR.					
		Q.A.					
		COMMENTS:					
MATERIAL 2X4 PINE					SIZE DWG. NO. B JB-P-2014_RevB		
FINISH							
DO NOT SCALE DRAWING					SCALE: 1:10	WEIGHT:	SHEET 1 OF 1

8 7 6 5 4 3 2 1



(15) REQUIRED PER QUADRANT, (60) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT AS SHOWN

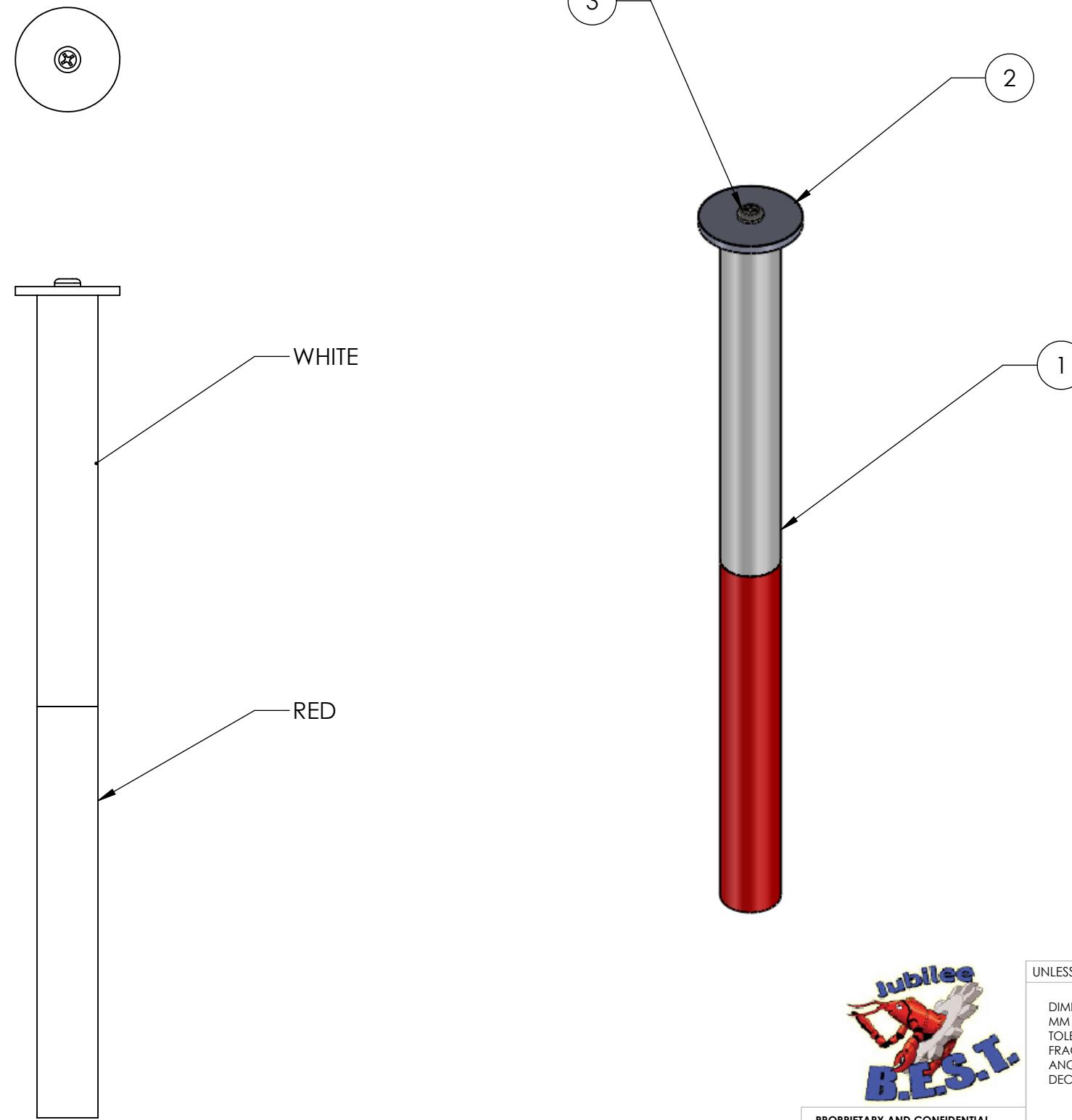


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JUBILEE BEST		
TITLE: DOWEL, AREA1 SCORING PART		
SIZE	DWG. NO.	
B	JB-P-2015	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED: DRAWN BY CSP DATE 02/18/12
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES:
FRACTIONAL: $\pm \frac{1}{8}$ ANGULAR: MACH ± 1 DEG
DECIMAL $\pm .5\text{MM}$ [.02IN.]
CHECKED
ENG APPR.
MFG APPR.
Q.A.
COMMENTS:
MATERIAL: 7/8" DIA. WOOD DOWEL
FINISH
DO NOT SCALE DRAWING

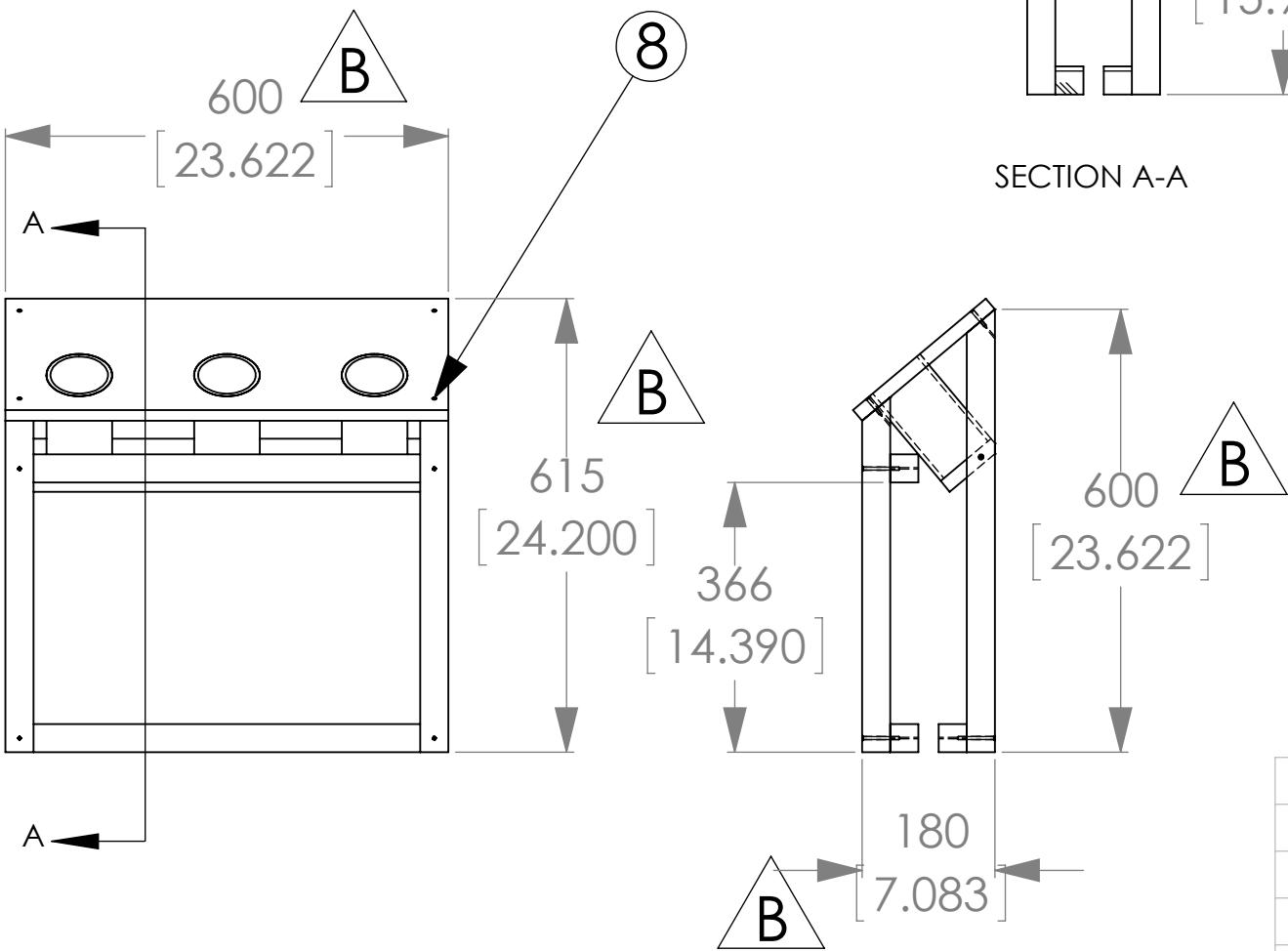
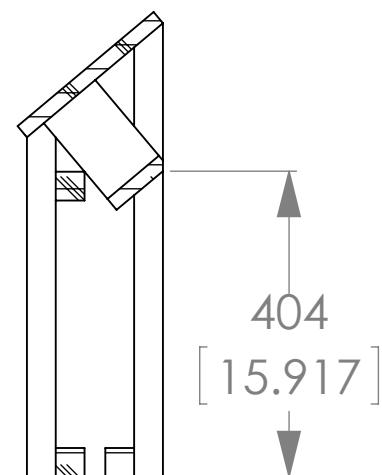
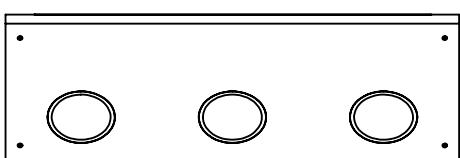
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-2015	DOWEL, AREA1 SCORING PART	1
2	FENDER WASHER	FENDER WASHER 5/16" X 1-1/2"	1
3	SELF-TAPPING SCREW	#10 X 1/2" PAN HEAD SCREW	1



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5MM [.02IN.]$		DRAWN	CSP 02/18/12
CHECKED		ENG APPR.	
MFG APPR.		MFG APPR.	
Q.A.		Q.A.	
COMMENTS:			
SIZE	DWG. NO.		
B	JB-SA-2100		
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1	

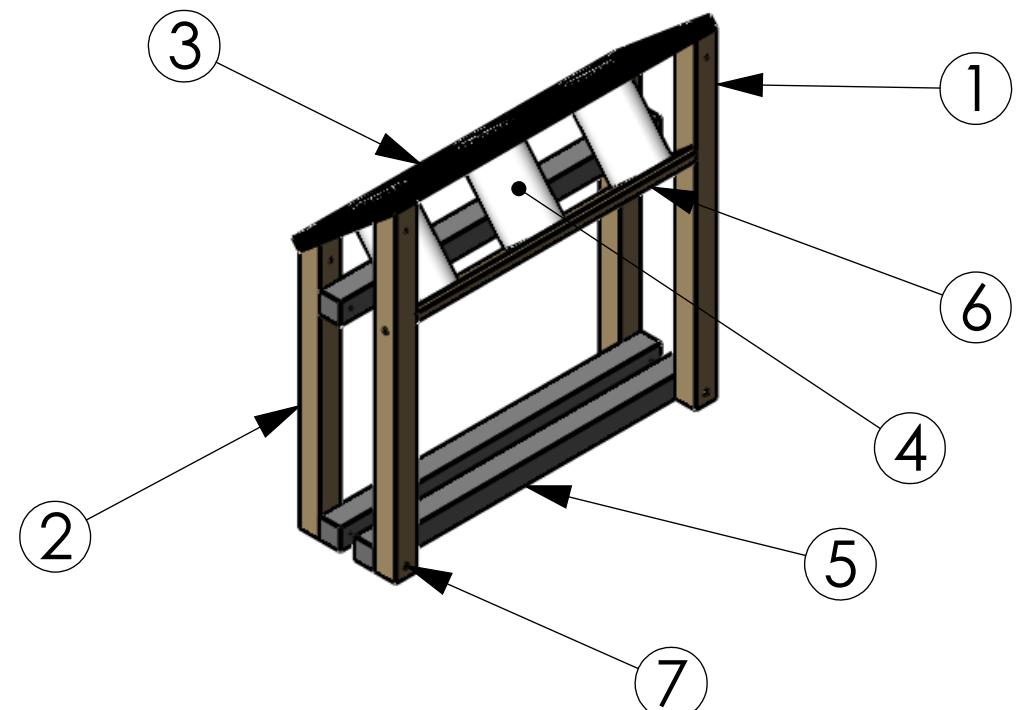
REV.	DESCRIPTION	DATE	APPROVED
D	UPDATED PART 3003 TO RevB	7/8/2013	
	ADDED DIMENSIONS	7/29/2013	
	CHANGED PERCISION OF INCH DIMENSION	8/25/2013	



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-3001	LEG, LONG, AREA1 BLIND SCORING	2
2	JB-P-3002	LEG, SHORT, AREA1 BLIND SCORING	2
3	JB-P-3003_RevB	FACE PLATE, AREA 1 BLIND SCORING	1
4	JB-P-3004	TUBE, AREA1 BLIND SCORING	3
5	JB-P-3005	BRACE, AREA 1 BLIND SCORING	3
6	JB-P-3006	SUPPORT TUBE, AREA1 BLIND SCORING	1
7	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW COARSE THREAD	16
8	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	4



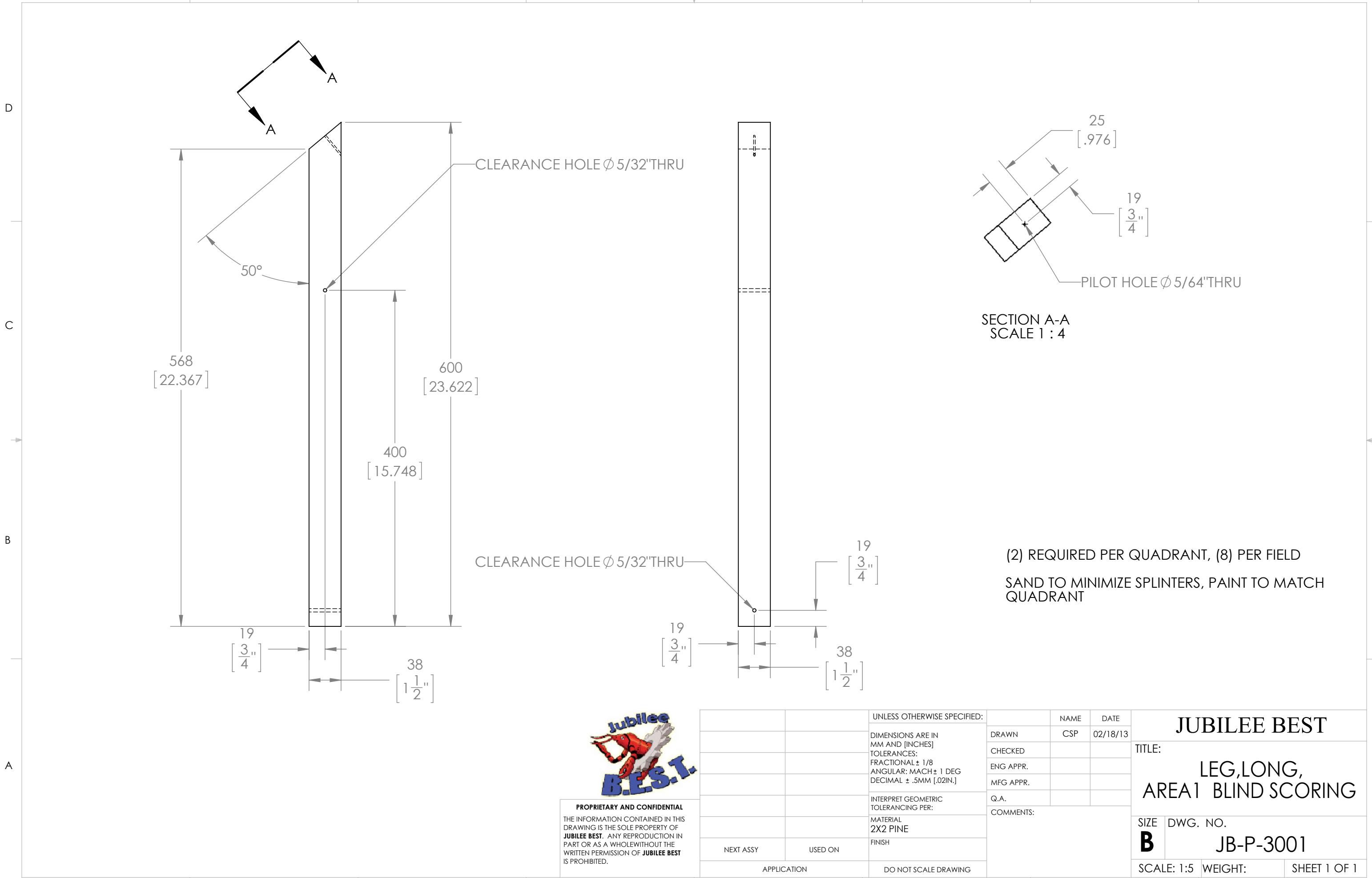
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN: mm [IN]	CSP	02/17/13
TOLERANCES: FRACTIONAL $\pm 1/8"$ ANGULAR $\pm 1\text{DEG}$		
MATERIAL		
Q.A.		
COMMENTS:		
NEXT ASSY	USED ON	FINISH
APPLICATION	DO NOT SCALE DRAWING	
SIZE DWG. NO.		
B		JB-SA-3000_RevD
SCALE: 1:10 WEIGHT:		SHEET 1 OF 1

JUBILEE BEST

AREA 1 BLIND SCORING

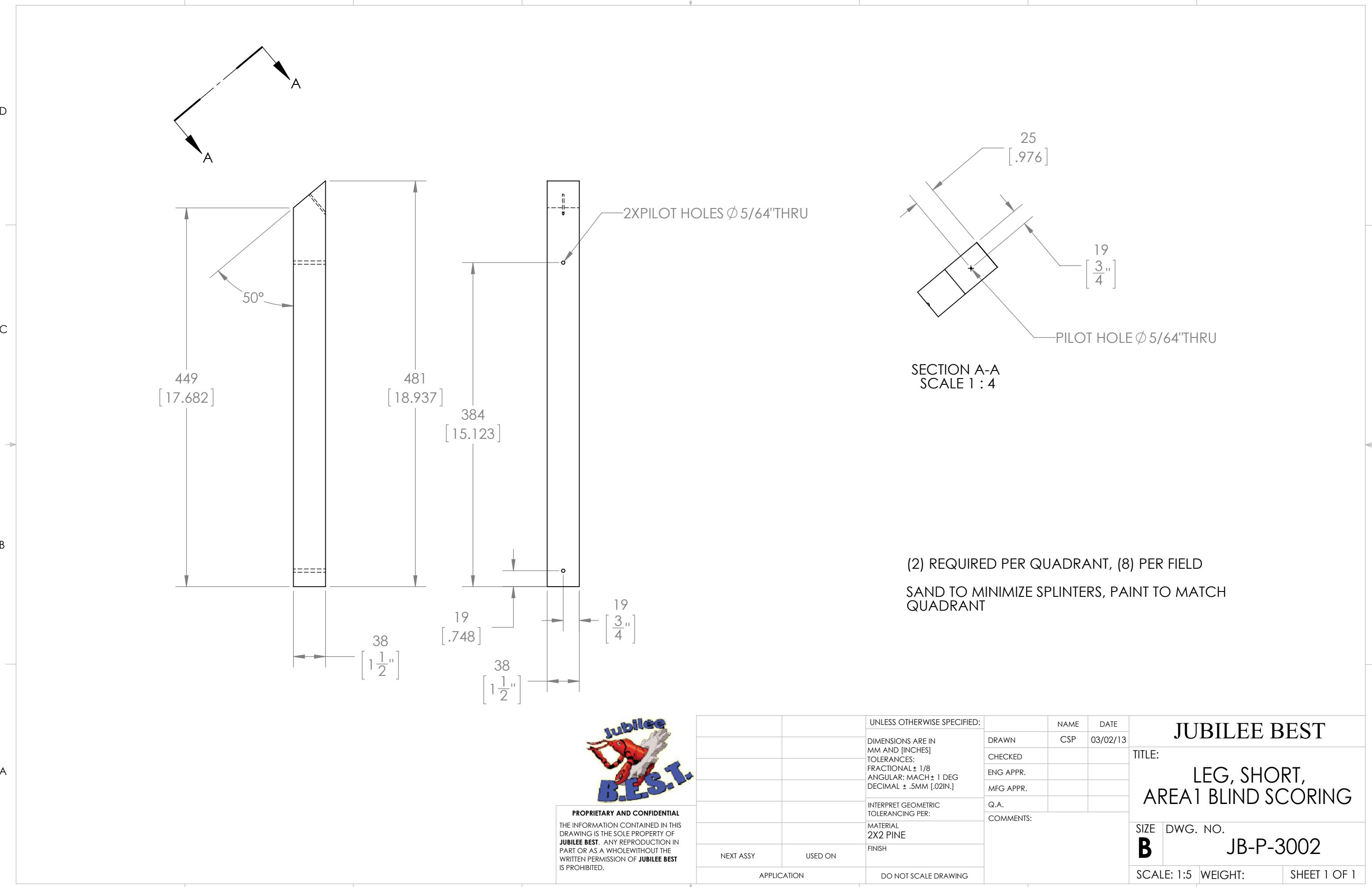
8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

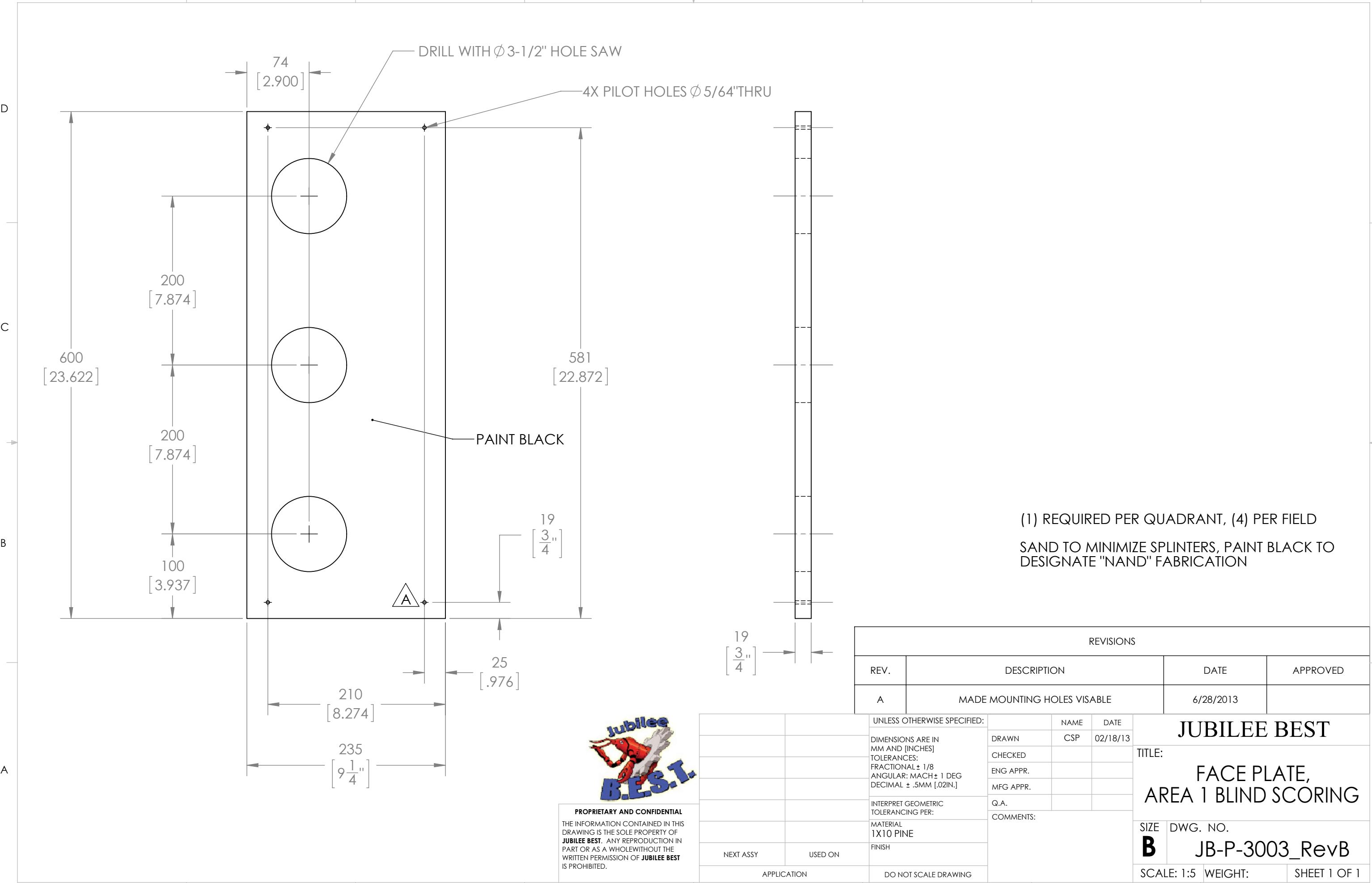


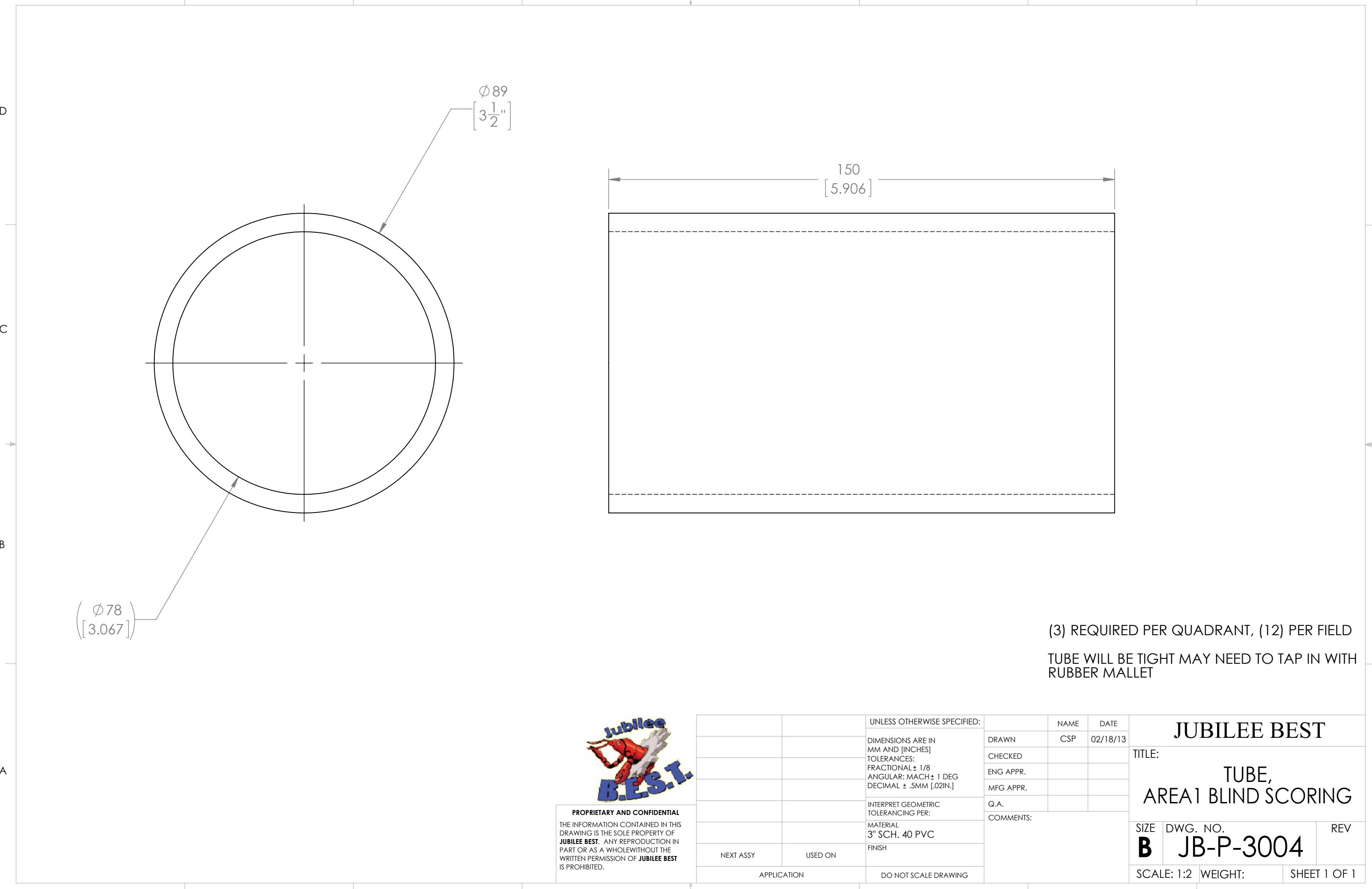
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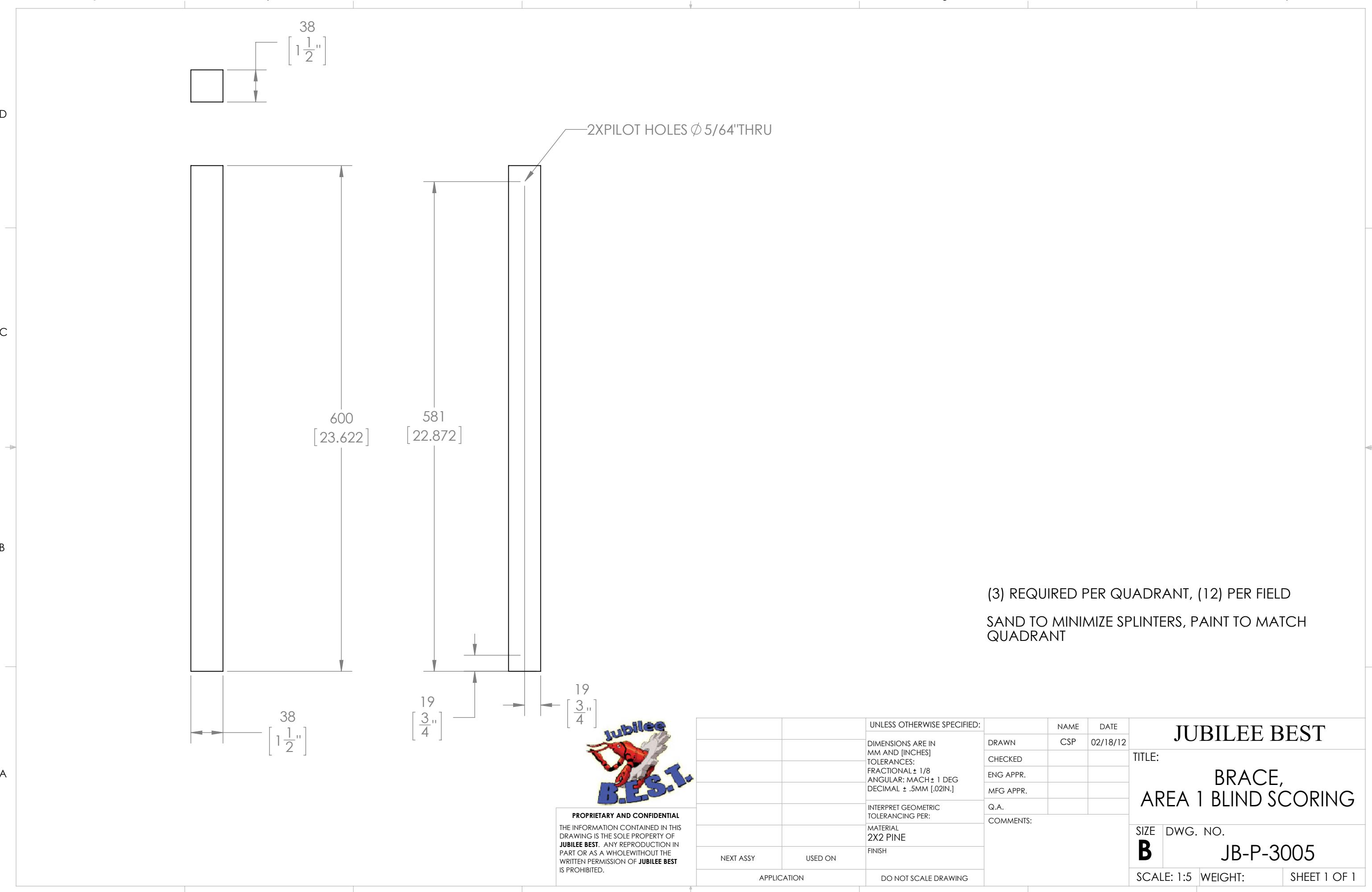
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: LEG, LONG, AREA1 BLIND SCORING SIZE DWG. NO. B JB-P-3001 SCALE: 1:5 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP 02/18/13	
		TOLERANCES: FRACTIONAL ± 1/8	CHECKED		
		ANGULAR: MACH ± 1 DEG	ENG APPR.		
		DECIMAL ± .5MM [.02IN.]	MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL 2X2 PINE	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
	APPLICATION	DO NOT SCALE DRAWING			

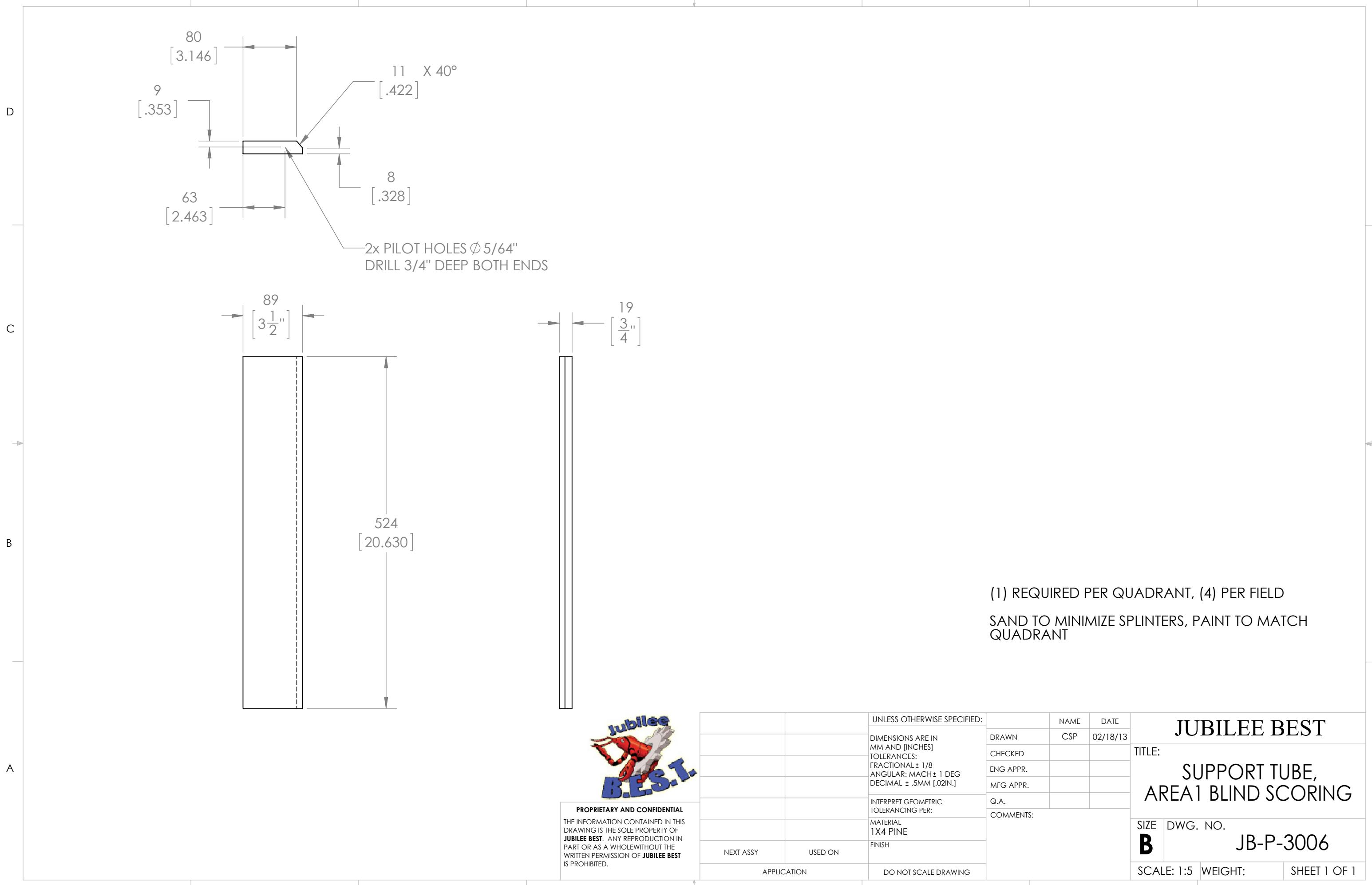


8 7 6 5 4 3 2 1

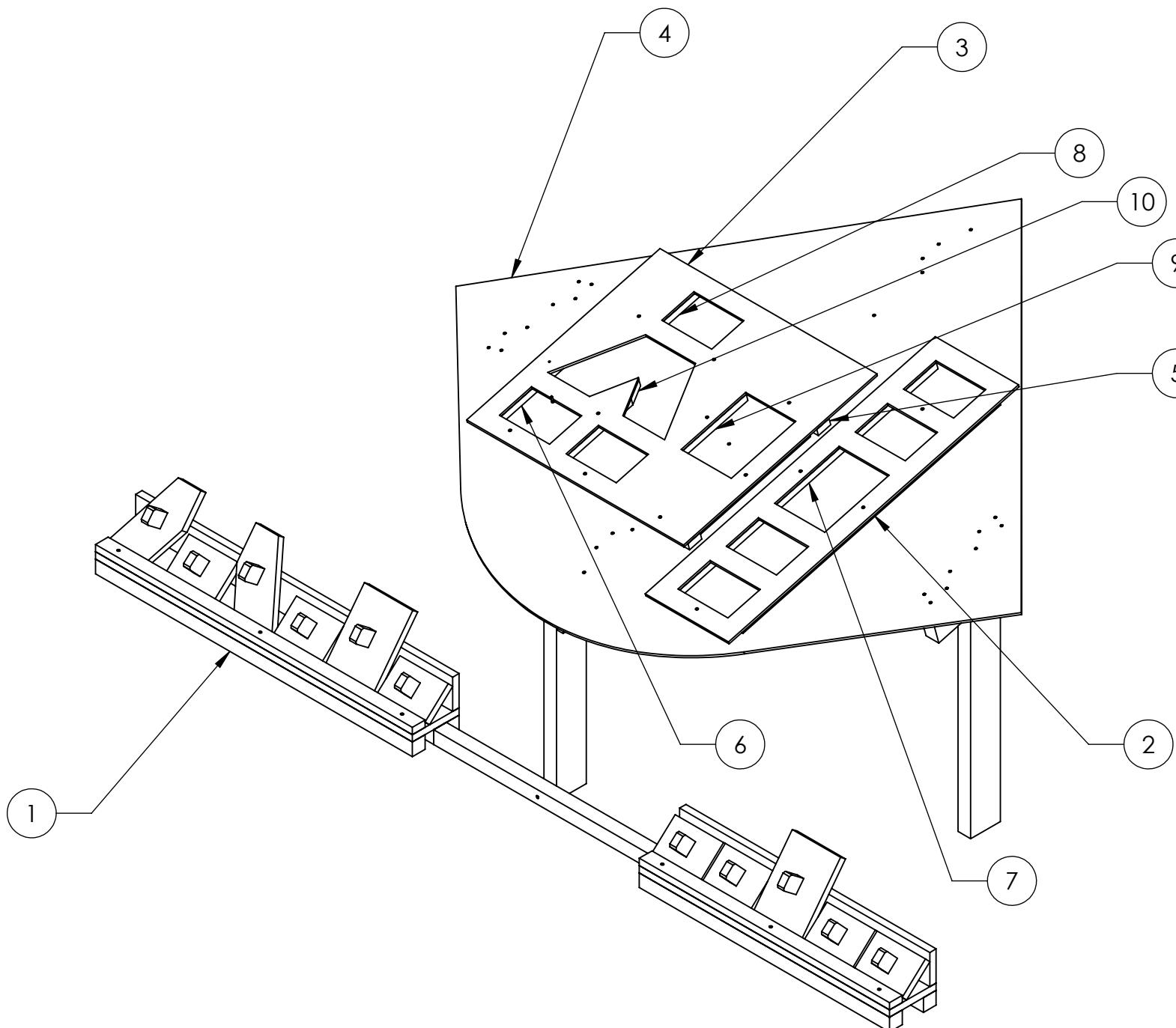








ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-SA-4200_RevC	PARTS STORAGE, AREA3 PARTS	1
2	JB-P-4001_RevB	MEMORY PANEL, AREA 3 SCORING	1
3	JB-P-4002_RevD	CPU PANEL, AREA 3 SCORING	1
4	JB-SA-4100_RevD	TABLE, AREA 3 SCORING	1
5	JB-P-4003	SPACER, CPU SCORING BOARD	2
6	JB-P-4005	SPACER, CPU SCORING BOARD	2
7	JB-P-4006	SPACER, CPU SCORING BOARD	2
8	JB-P-4007	SPACER, CPU SCORING BOARD	11
9	JB-P-4008	SPACER, CPU SCORING BOARD	1
10	JB-P-4009	SPACER, CPU SCORING TABLE	1
11	SELF-TAPPING SCREW	#8 - 0.75" WOOD SCREW	52
12	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW COARSE THREAD	1



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED SHEETS 2 AND 3 FOR ADDITIONAL INFORMATION CHANGED TO B SIZE DWGS	7/7/2013	
B	ADDED DIMENSIONS SHEET 2	7/29/2013	
C	CHANGED PERCISION ON SECONDARY DIMENSIONS SHEETS 2 & 3	8/25/2013	

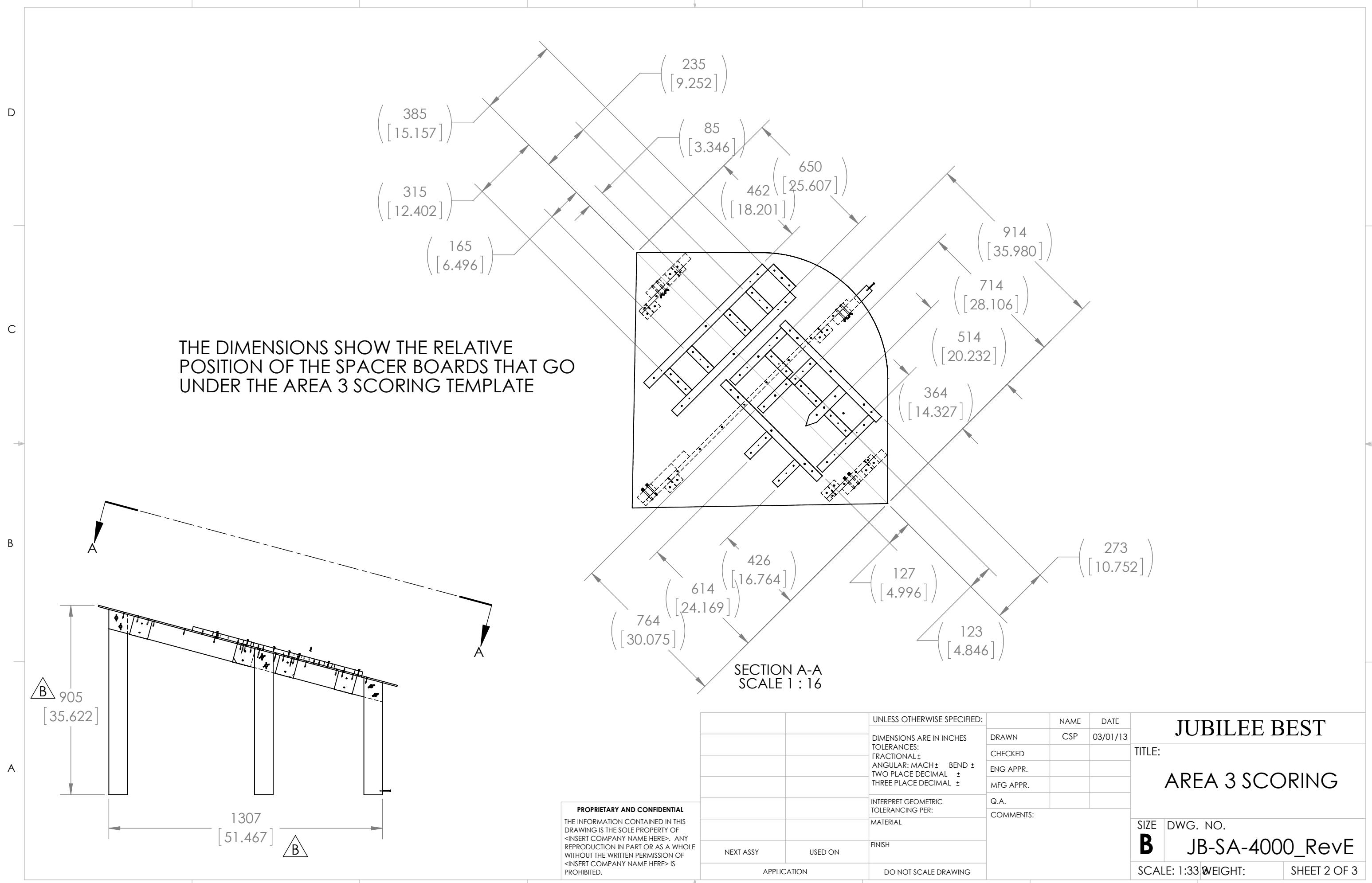


PROPRIETARY AND CONFIDENTIAL

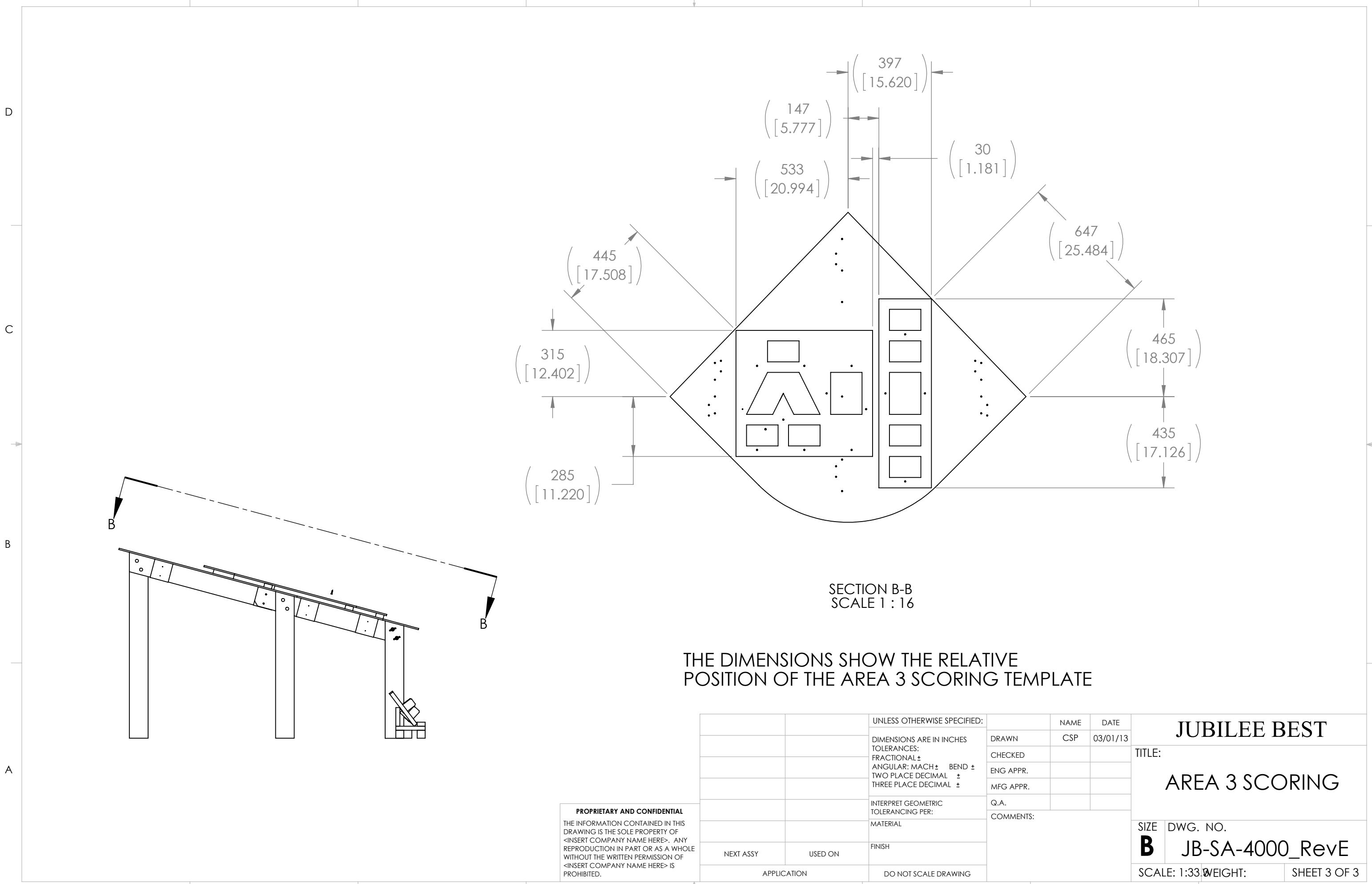
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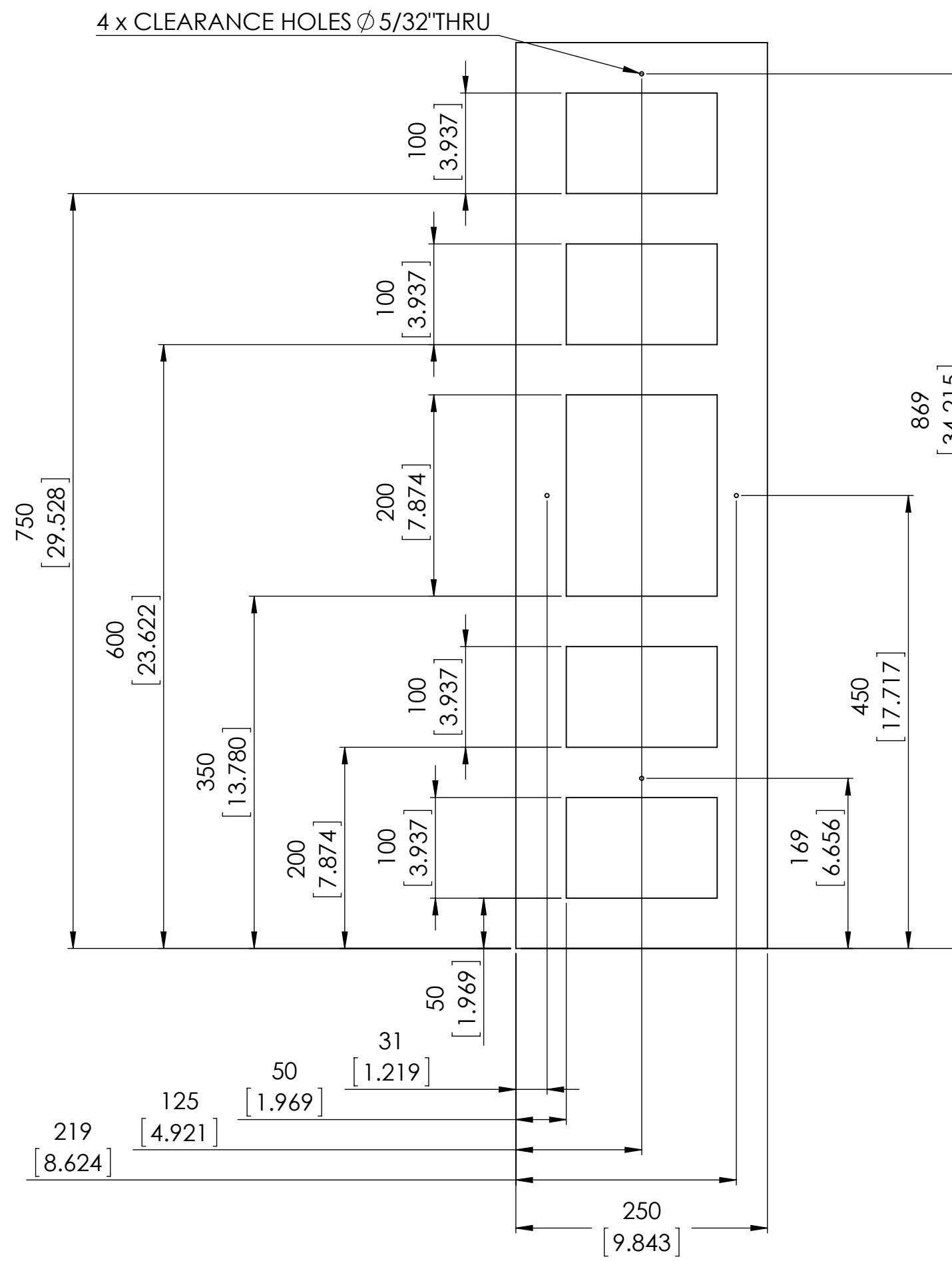
UNLESS OTHERWISE SPECIFIED:	CSP DRAWN	NAME	DATE
DIMENSIONS ARE IN INCHES			03/01/13
TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm	CHECKED		
TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	ENG APPR.		
	MFG APPR.		
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
	MATERIAL		
	COMMENTS:		
NEXT ASSY	USED ON	FINISH	
APPLICATION	DO NOT SCALE DRAWING		
SIZE	DWG. NO.	JUBILEE BEST	
B	JB-SA-4000_RevE	TITLE: AREA 3 SCORING	
SCALE: 1:33	WEIGHT:	SHEET 1 OF 3	

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1





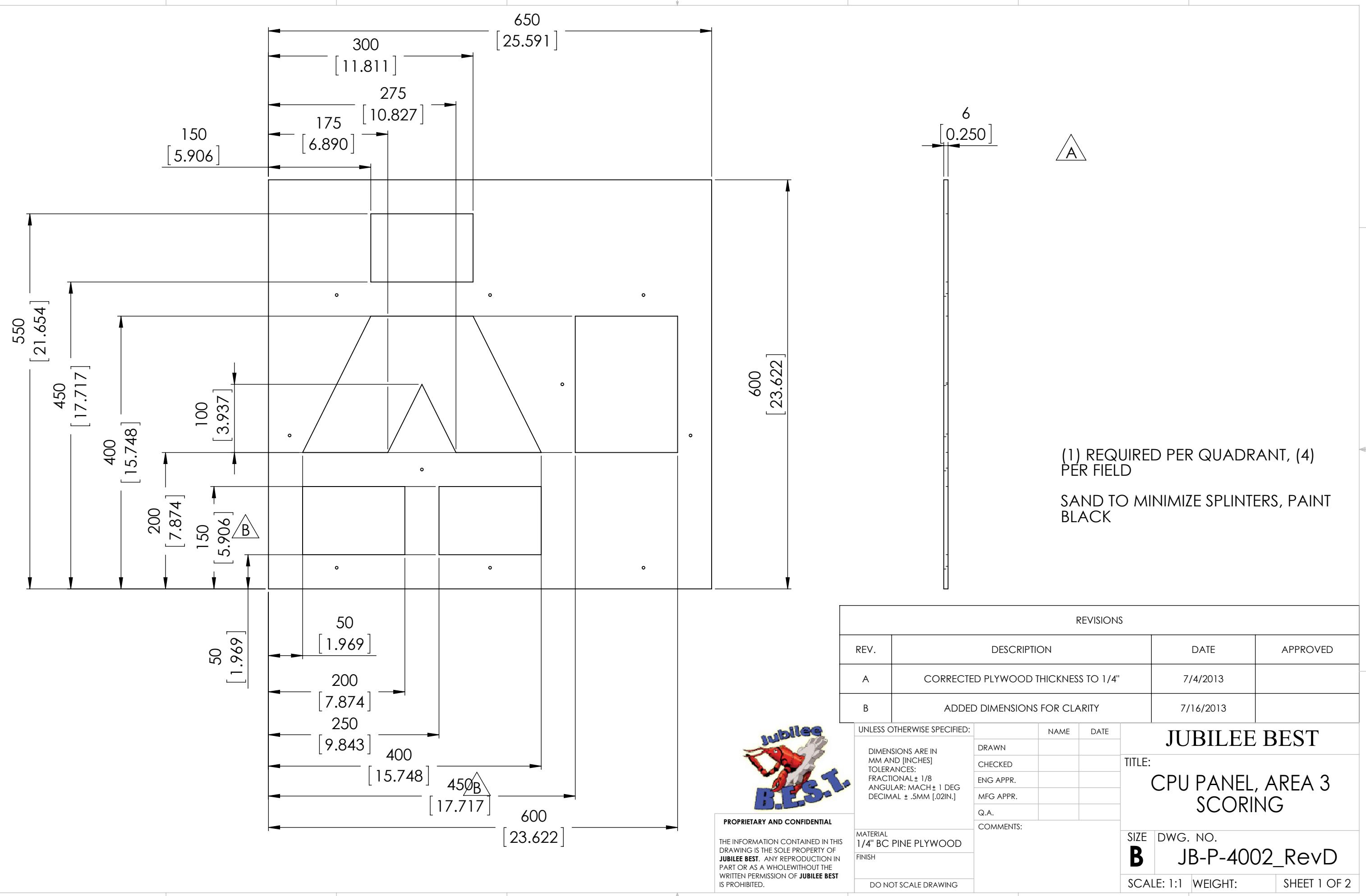
PROPRIETARY AND CONFIDENTIAL

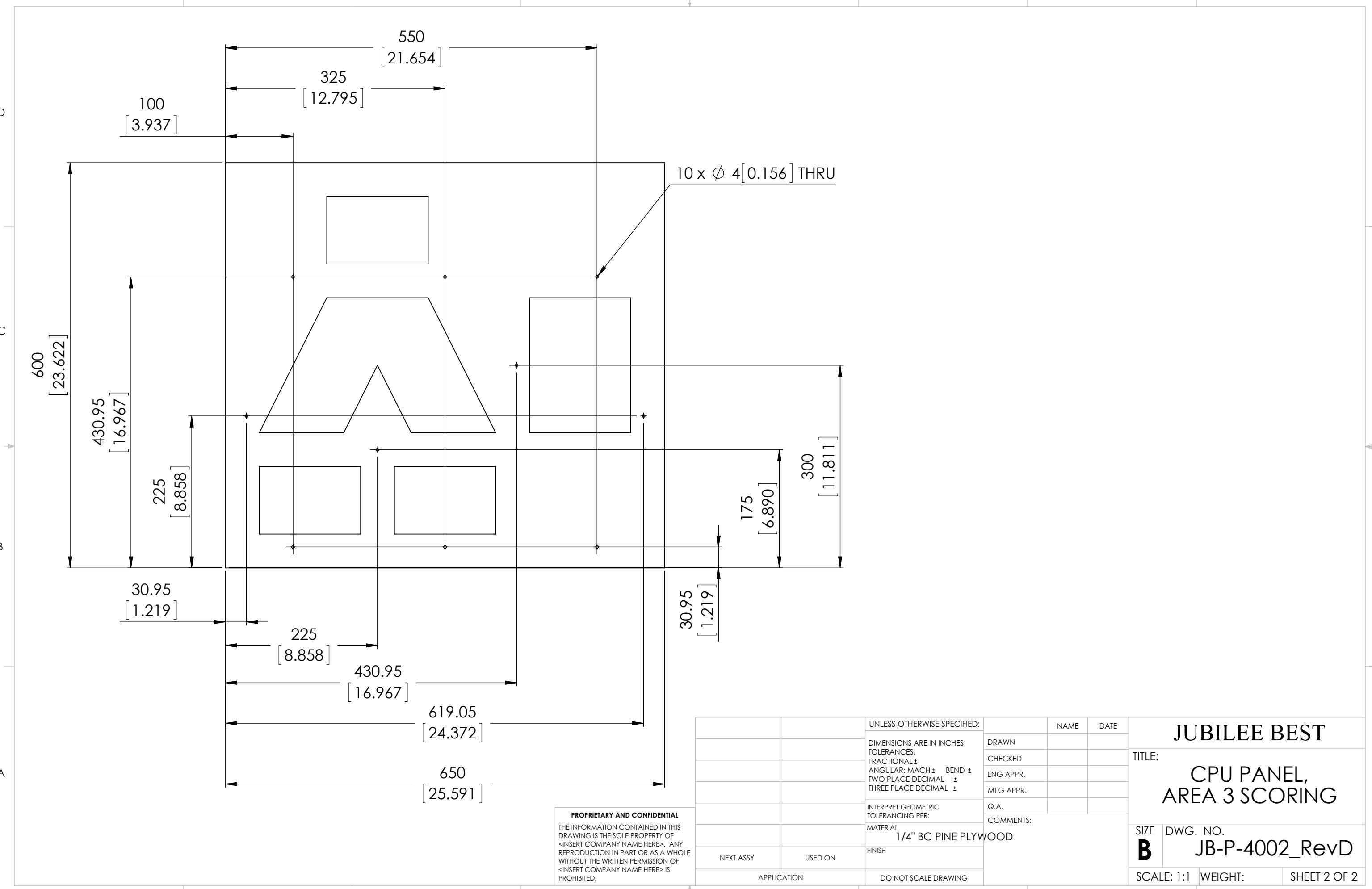
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CORRECTED PLYWOOD THICKNESS TO 1/4"	7/4/2013	
JUBILEE BEST			
UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWN			
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			
MATERIAL	1/4" BC PINE PLYWOOD		
FINISH			
DO NOT SCALE DRAWING			

(1) REQUIRED PER QUADRANT, (4) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT BLACK

SIZE	DWG. NO.
B	JB-P-4001_RevB
SCALE: 1:1	WEIGHT:

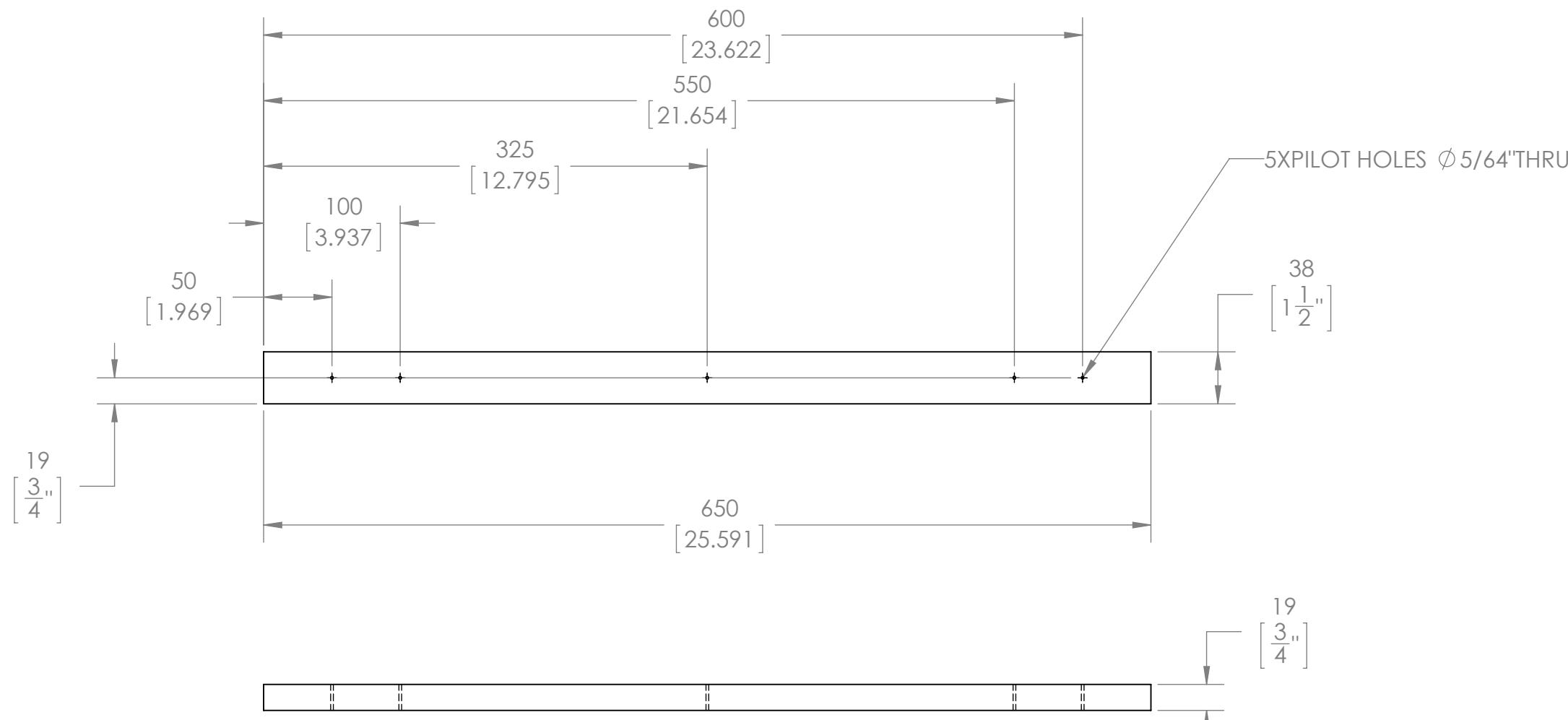




8 7 6 5 4 3 2 1

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(2) REQUIRED PER QUADRANT, (8) PER FIELD

PART DOES NOT SHOW, PAINT BLACK FOR CONTRAST
IF DESIRED



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JUBILEE BEST		
TITLE: SPACER, CPU SCORING BOARD		
SIZE	DWG. NO.	
B	JB-P-4003	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:

DRAWN	NAME	DATE
CSP	6/1/13	
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

MATERIAL: 1X2 PINE

FINISH

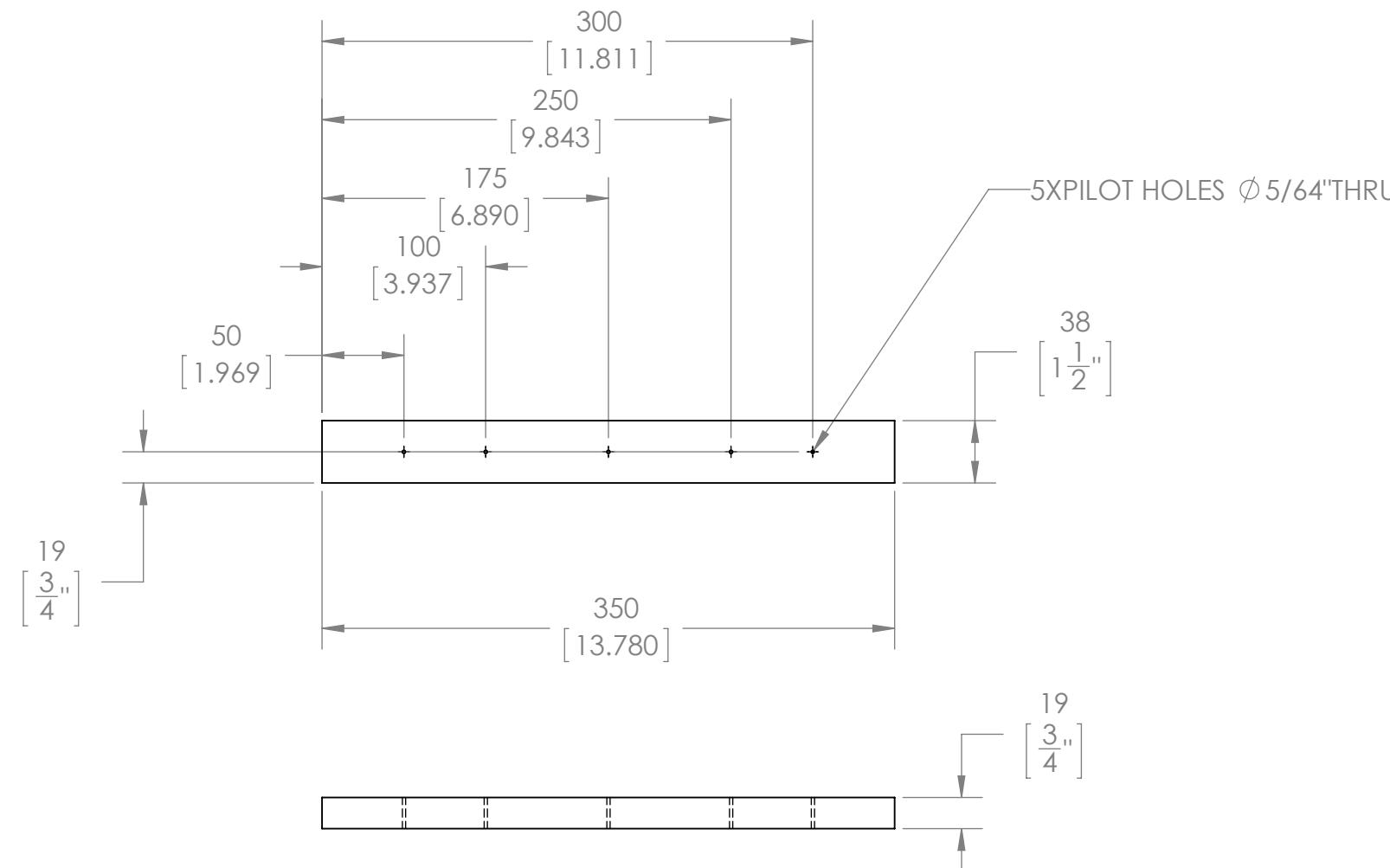
DO NOT SCALE DRAWING

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

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(2) REQUIRED PER QUADRANT, (8) PER FIELD

PART DOES NOT SHOW, PAINT BLACK FOR CONTRAST
IF DESIRED



PROPRIETARY AND CONFIDENTIAL

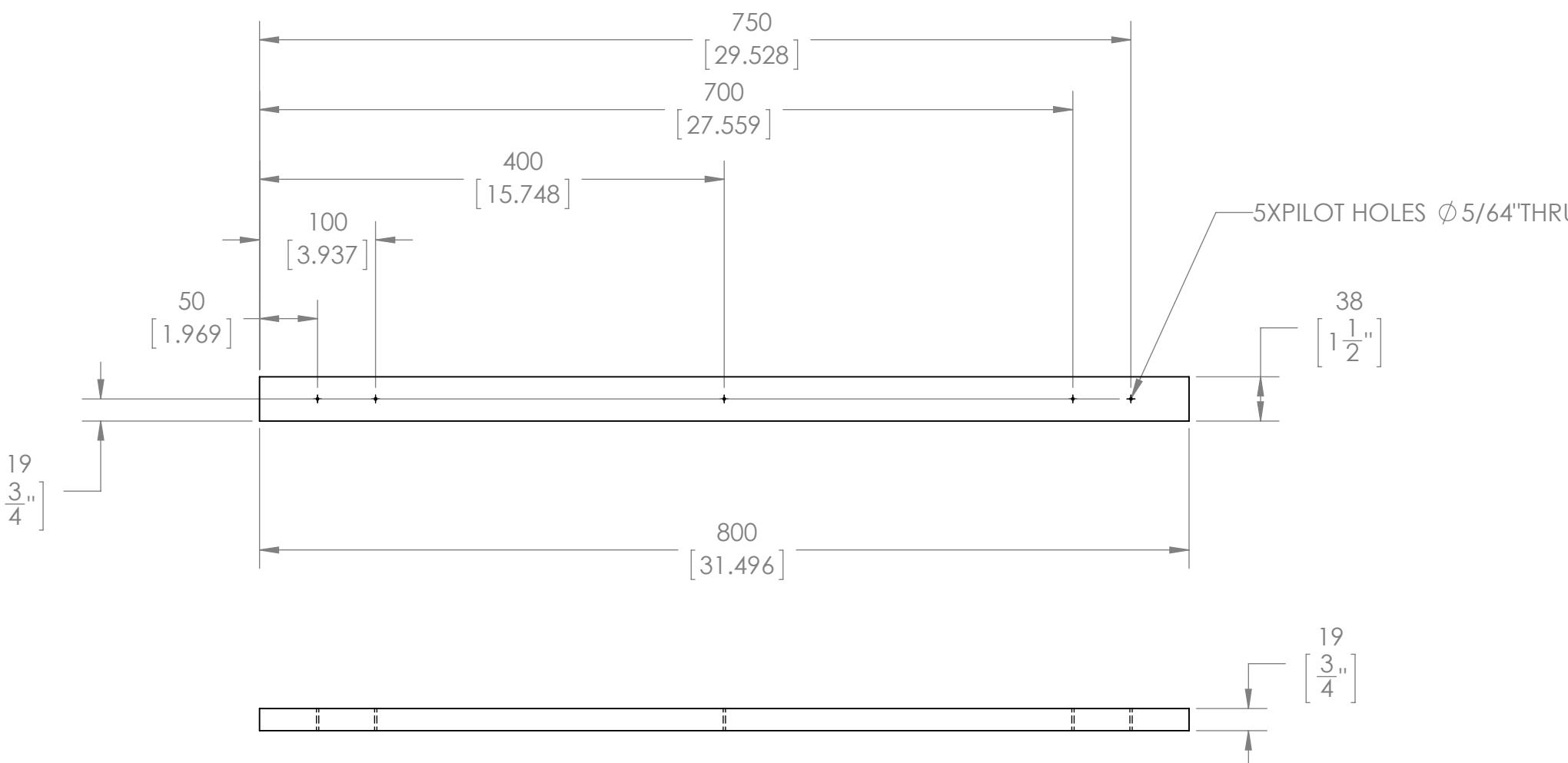
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UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]		NAME	DATE	JUBILEE BEST TITLE: SPACER, CPU SCORING BOARD
	DRAWN	CSP	6/1/13	
	CHECKED			
	ENG APPR.			
	MFG APPR.			
	Q.A.			
MATERIAL 1X2 PINE	COMMENTS:			SIZE DWG. NO. B JB-P-4005
FINISH				
DO NOT SCALE DRAWING				

8 7 6 5 4 3 2 1

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(2) REQUIRED PER QUADRANT, (8) PER FIELD

PART DOES NOT SHOW, PAINT BLACK FOR CONTRAST
IF DESIRED



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JUBILEE BEST		
TITLE: SPACER, CPU SCORING BOARD		
SIZE	DWG. NO.	
B	JB-P-4006	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

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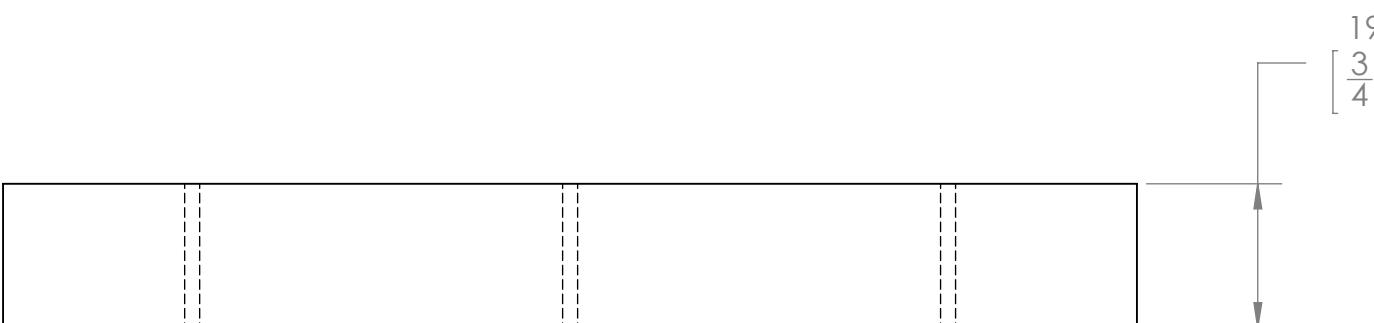
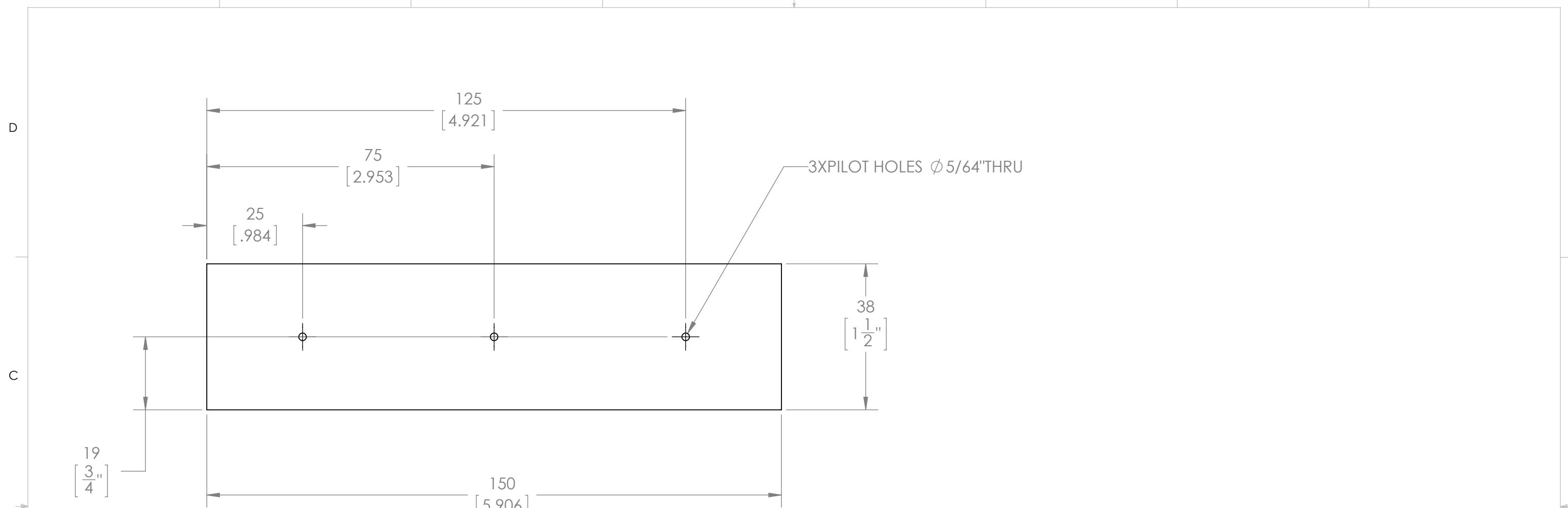
D

C

B

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8 7 6 5 4 3 2 1



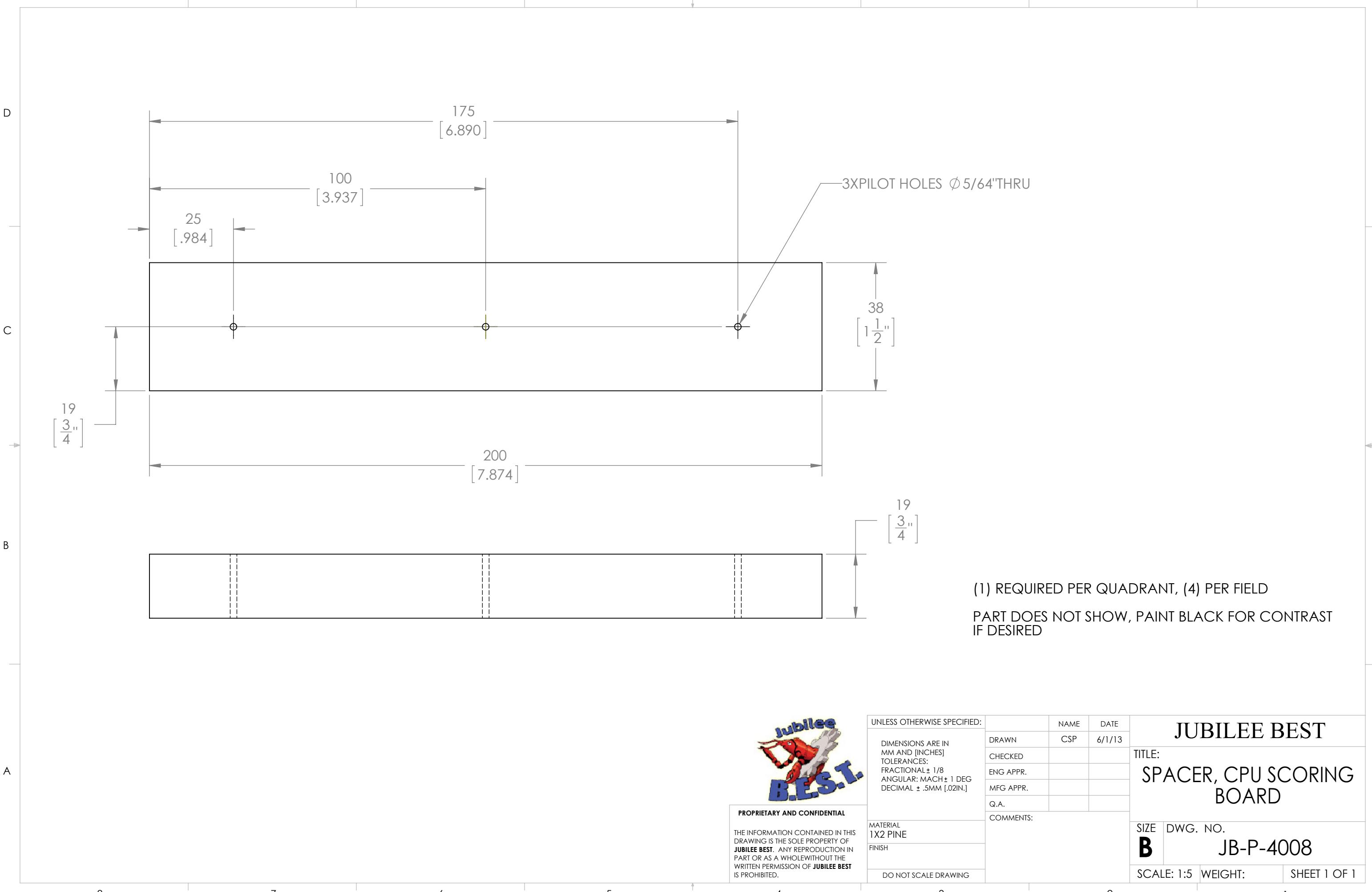
(9) REQUIRED PER QUADRANT, (36) PER FIELD
PART DOES NOT SHOW, PAINT BLACK FOR CONTRAST
IF DESIRED



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JUBILEE BEST		
TITLE: SPACER, CPU SCORING BOARD		
SIZE	DWG. NO.	
B	JB-P-4007	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	6/1/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	1X2 PINE	
FINISH		
DO NOT SCALE DRAWING		

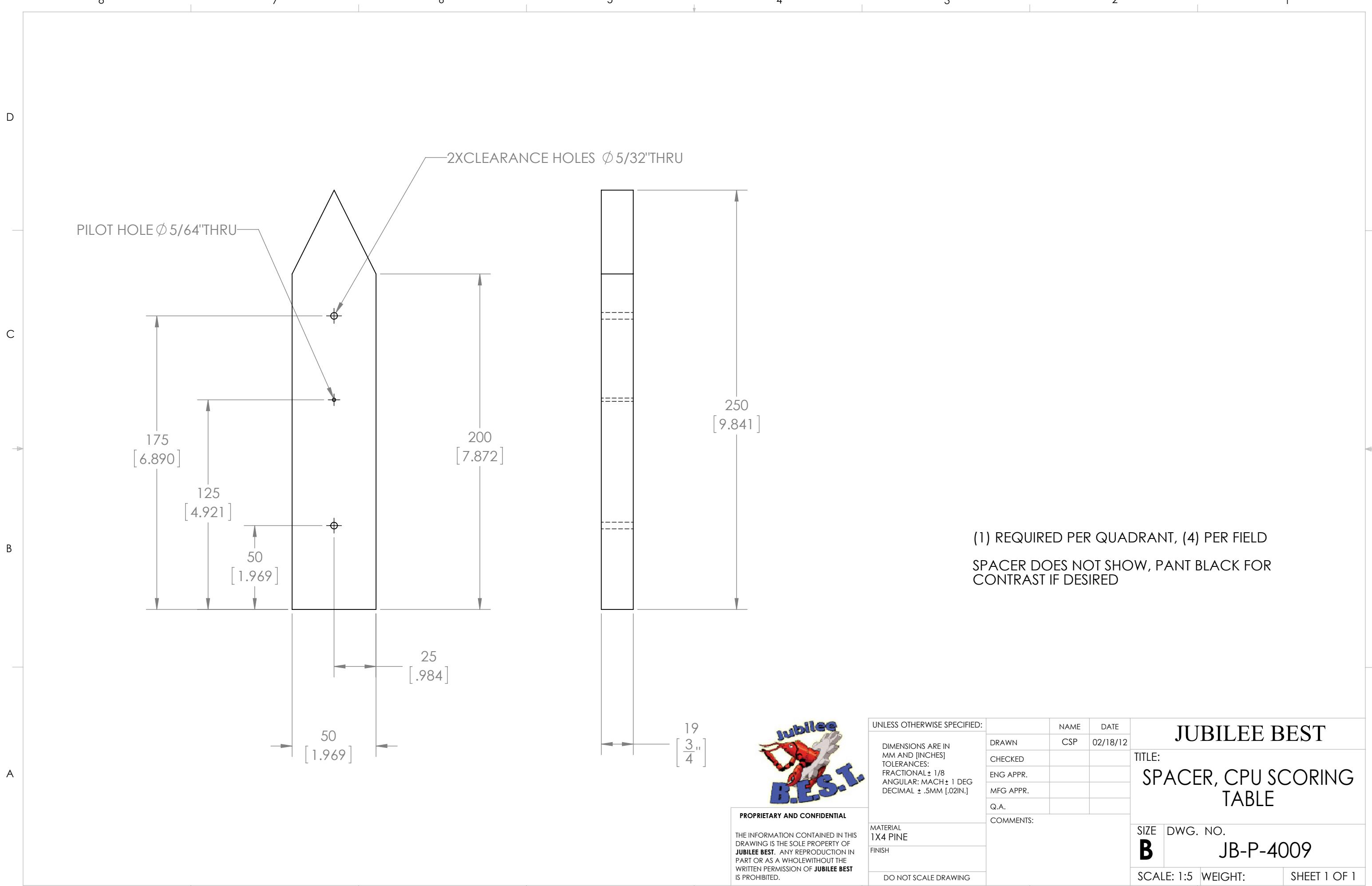


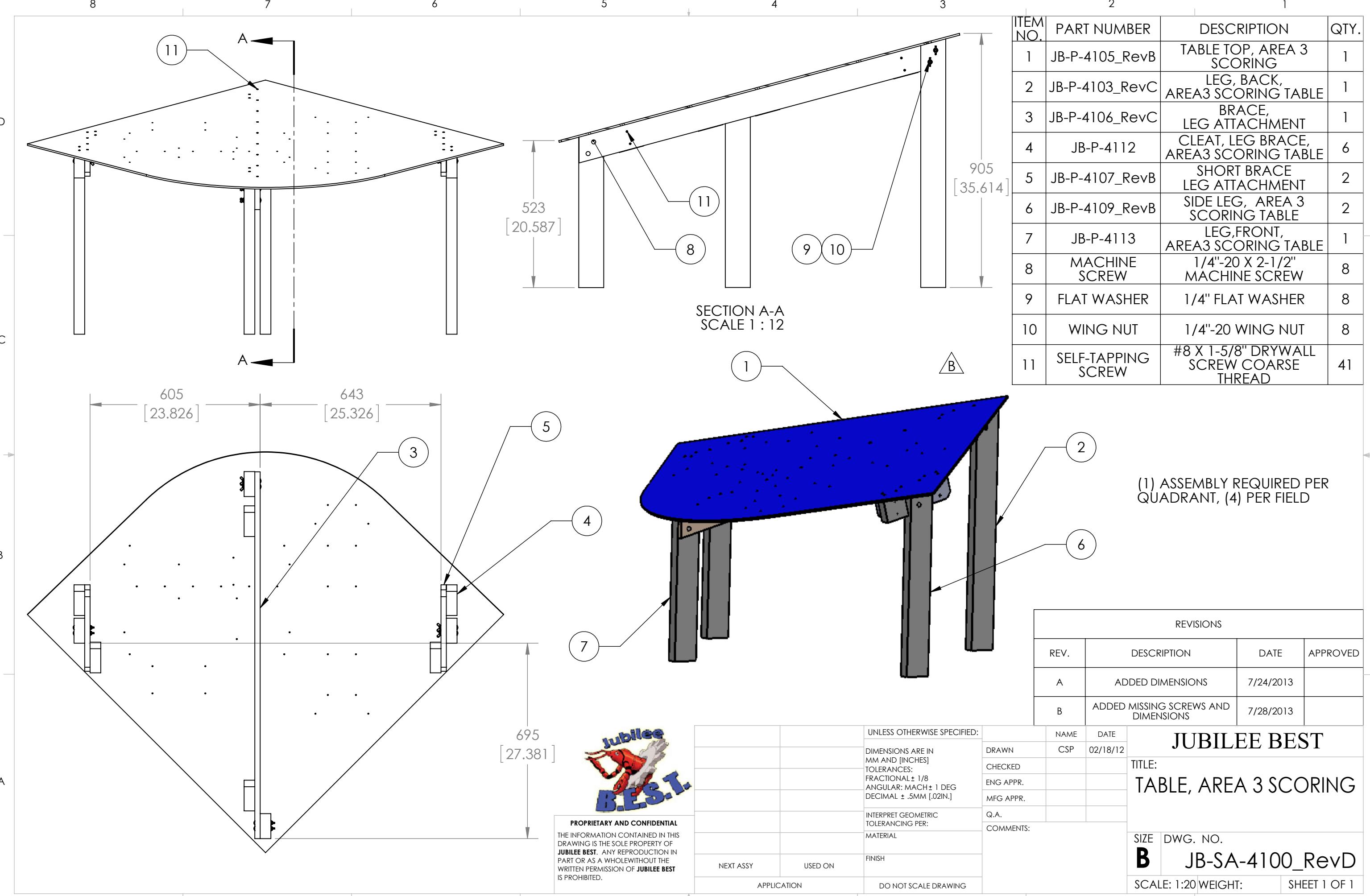
PROPRIETARY AND CONFIDENTIAL

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: SPACER, CPU SCORING BOARD		
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]		DRAWN	CSP			6/1/13
		CHECKED				
		ENG APPR.				
		MFG APPR.				
		Q.A.				
COMMENTS:				SIZE	DWG. NO.	
				B	JB-P-4008	
				SCALE: 1:5	WEIGHT:	SHEET 1 OF 1
DO NOT SCALE DRAWING						

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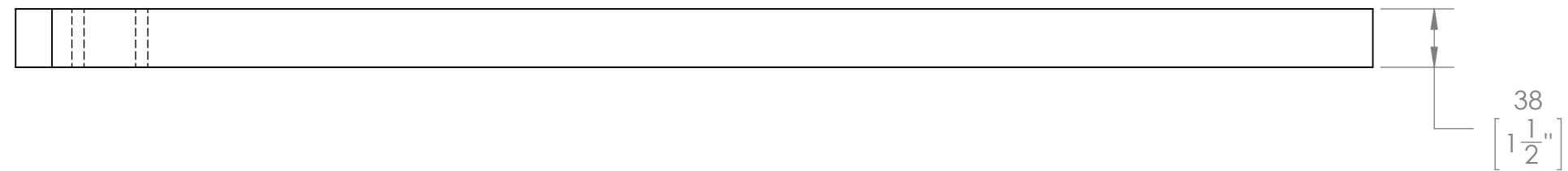
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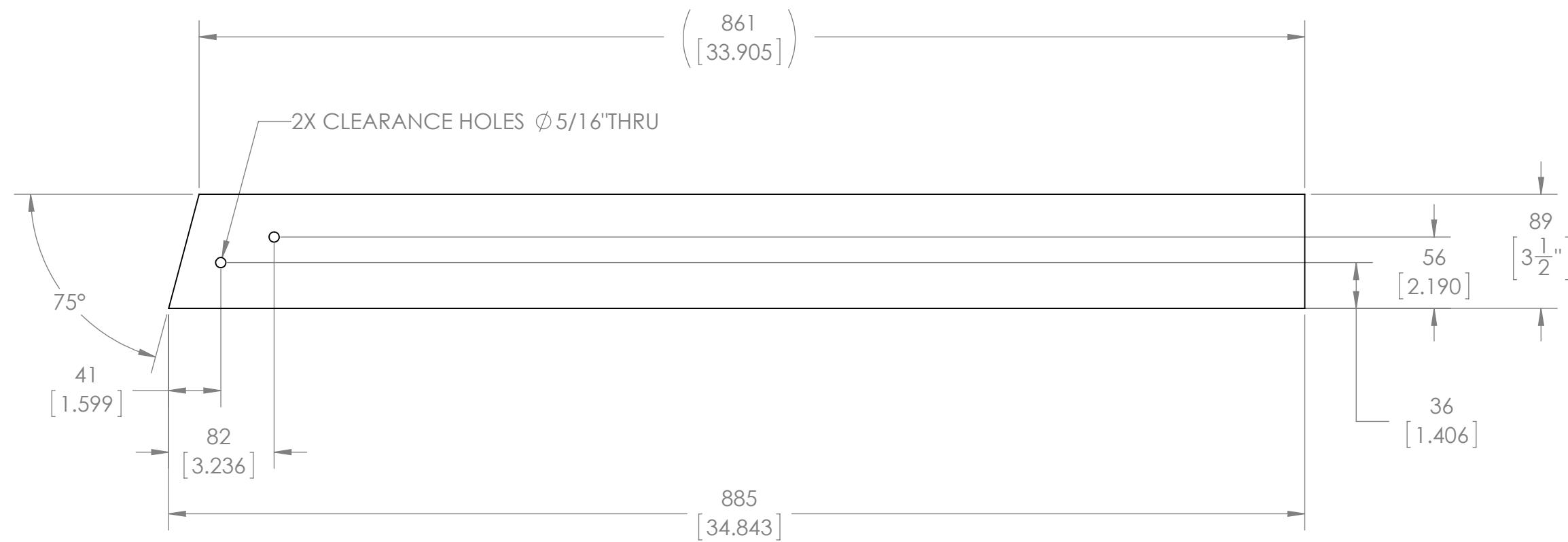
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

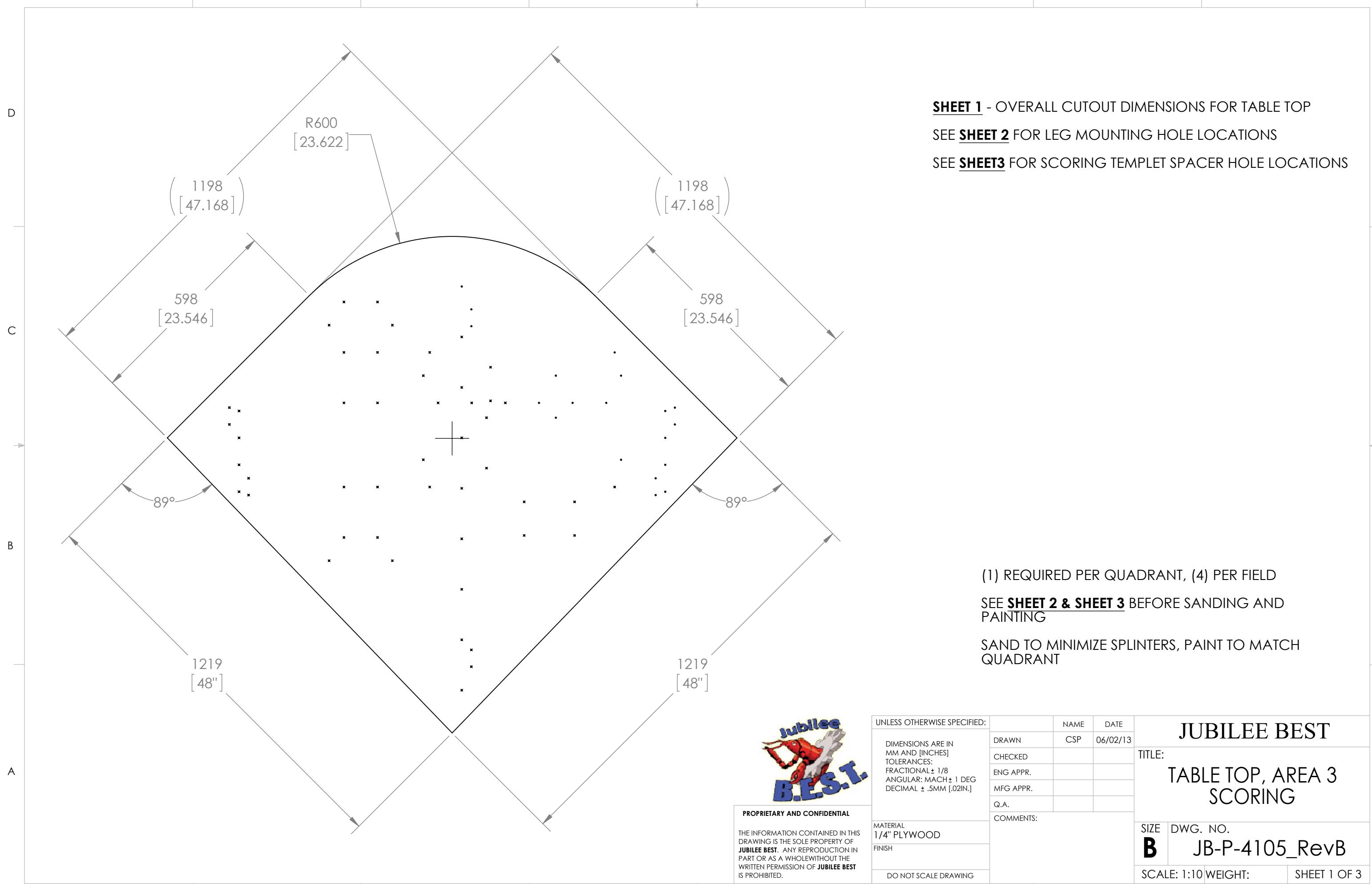
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



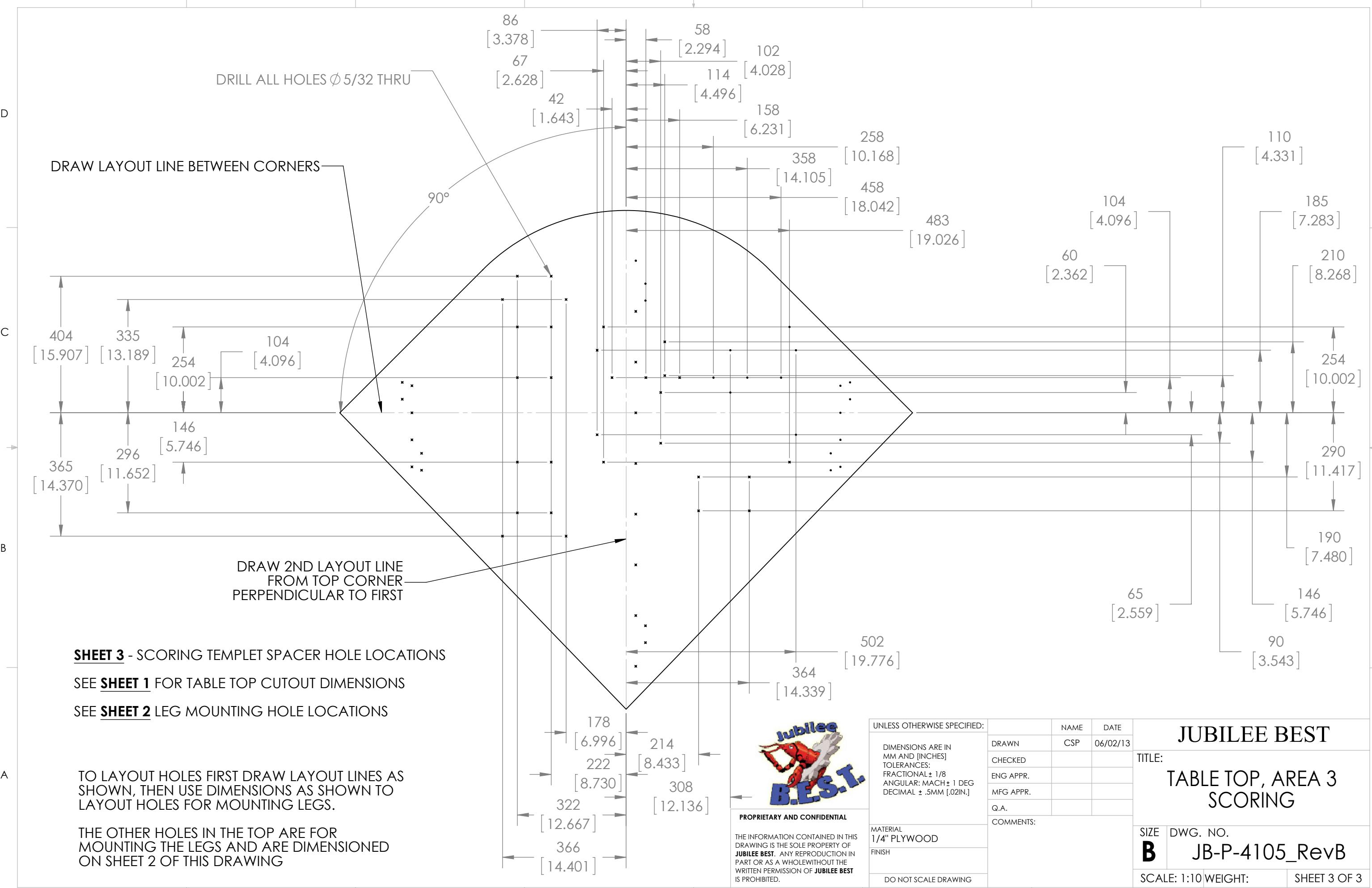
PROPRIETARY AND CONFIDENTIAL
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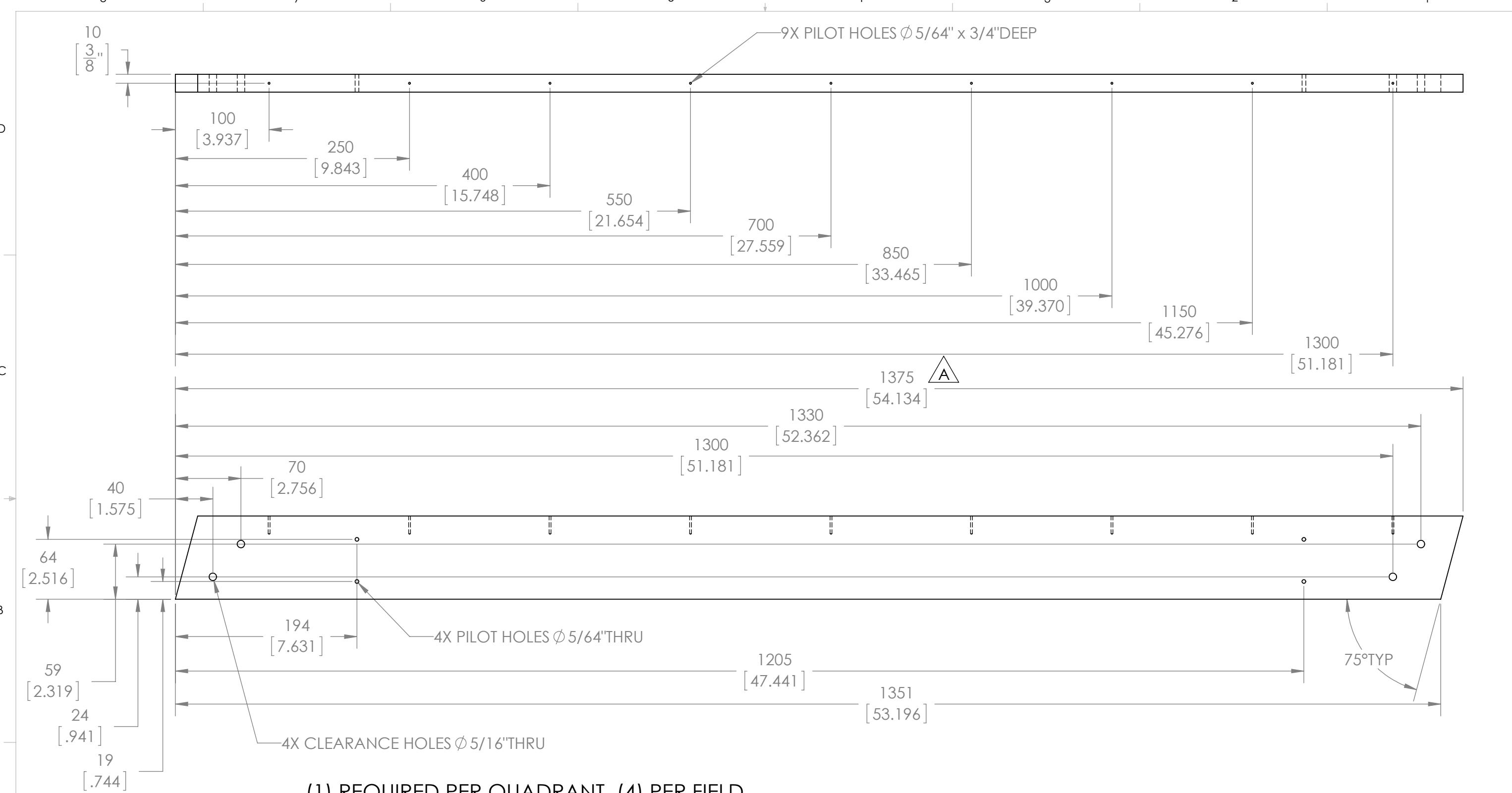
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: LEG, BACK, AREA3 SCORING TABLE SIZE DWG. NO. B JB-P-4103_RevC SCALE: 1:5 WEIGHT: SHEET 1 OF 1
DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	06/02/13		
TOLERANCES: FRACTIONAL \pm 1/8		CHECKED				
ANGULAR: MACH \pm 1 DEG		ENG APPR.				
DECIMAL \pm .5MM [.02IN.]		MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.				
MATERIAL 2X4 PINE		COMMENTS:				
NEXT ASSY	USED ON	FINISH				
APPLICATION		DO NOT SCALE DRAWING				

8 7 6 5 4 3 2 1



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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED OVERALL LENGTH DIMENSION	7/24/2013	



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UNLESS OTHERWISE SPECIFIED:	DRAWN	NAME	DATE	JUBILEE BEST	
				CSP	02/18/12
DIMENSIONS ARE IN MM AND [INCHES]	CHECKED				
TOLERANCES:	ENG APPR.				
FRACTIONAL: ± 1/8	MFG APPR.				
ANGULAR: MACH ± 1 DEG	Q.A.				
DECIMAL: ± .5MM [.02IN.]	COMMENTS:				
MATERIAL					
1X4 PINE					
FINISH					
DO NOT SCALE DRAWING					

SIZE DWG. NO.
B JB-P-4106_RevC

SCALE: 1:5 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

10
[$\frac{3}{8}$ "]

4X PILOT HOLES $\phi \frac{5}{64}$ " x 3/8" DEEP

30
[1.181]110
[4.331]190
[7.480]270
[10.630]2X CLEARANCE HOLES $\phi \frac{5}{16}$ 'THRU

64
[2.516]

59
[2.319]

24
[.941]

19
[.744]

45
[1.772]

140
[5.512]

170
[6.693]

255
[10.039]

20 X 45°
[.787]

300
[11.811]

20 X 45°
[.787]

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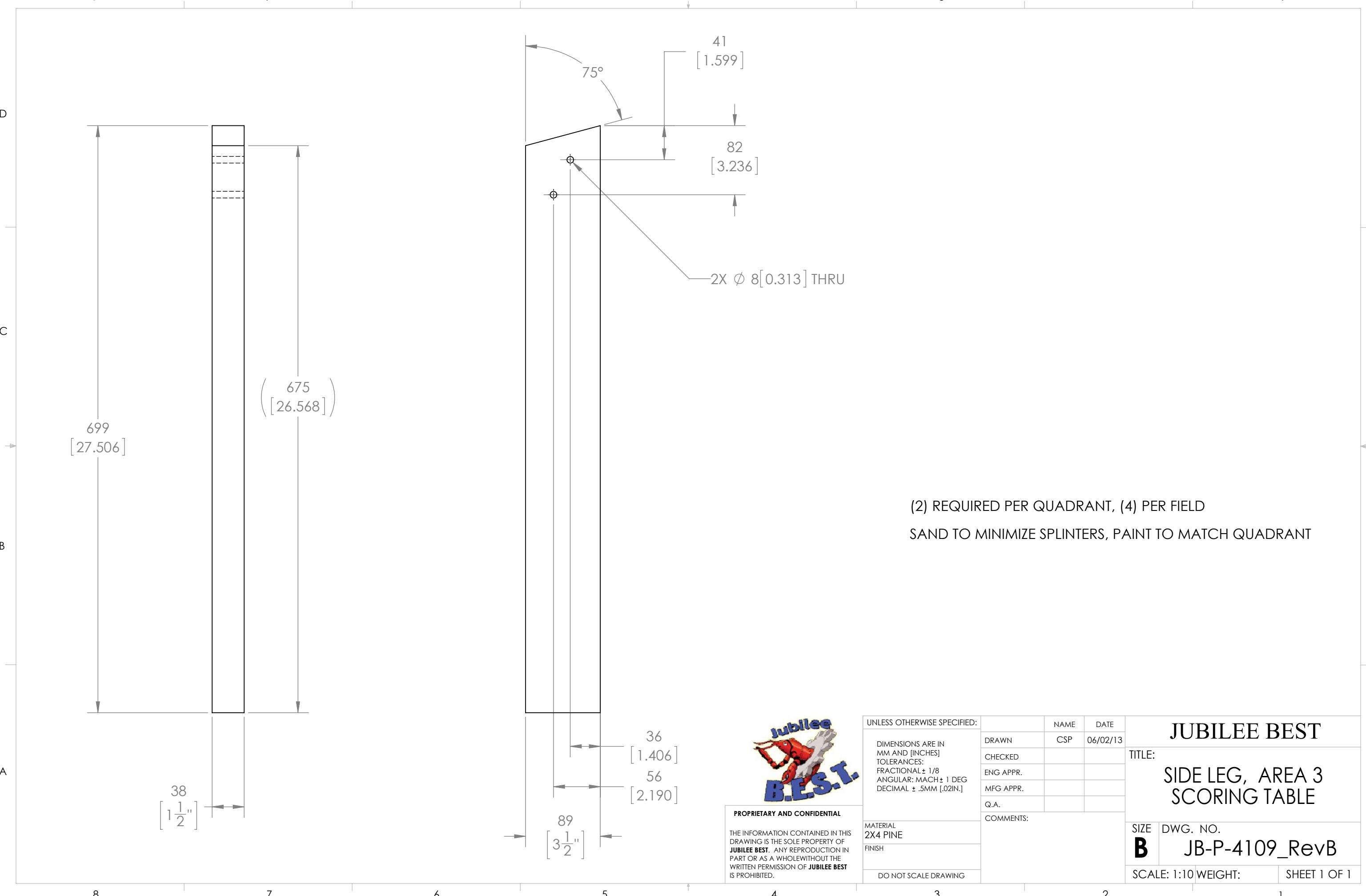
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM AND [INCHES]
TOLERANCES:
FRACTIONAL $\pm \frac{1}{8}$
ANGULAR: MACH ± 1 DEG
DECIMAL $\pm .5\text{MM}$ [.02IN.]

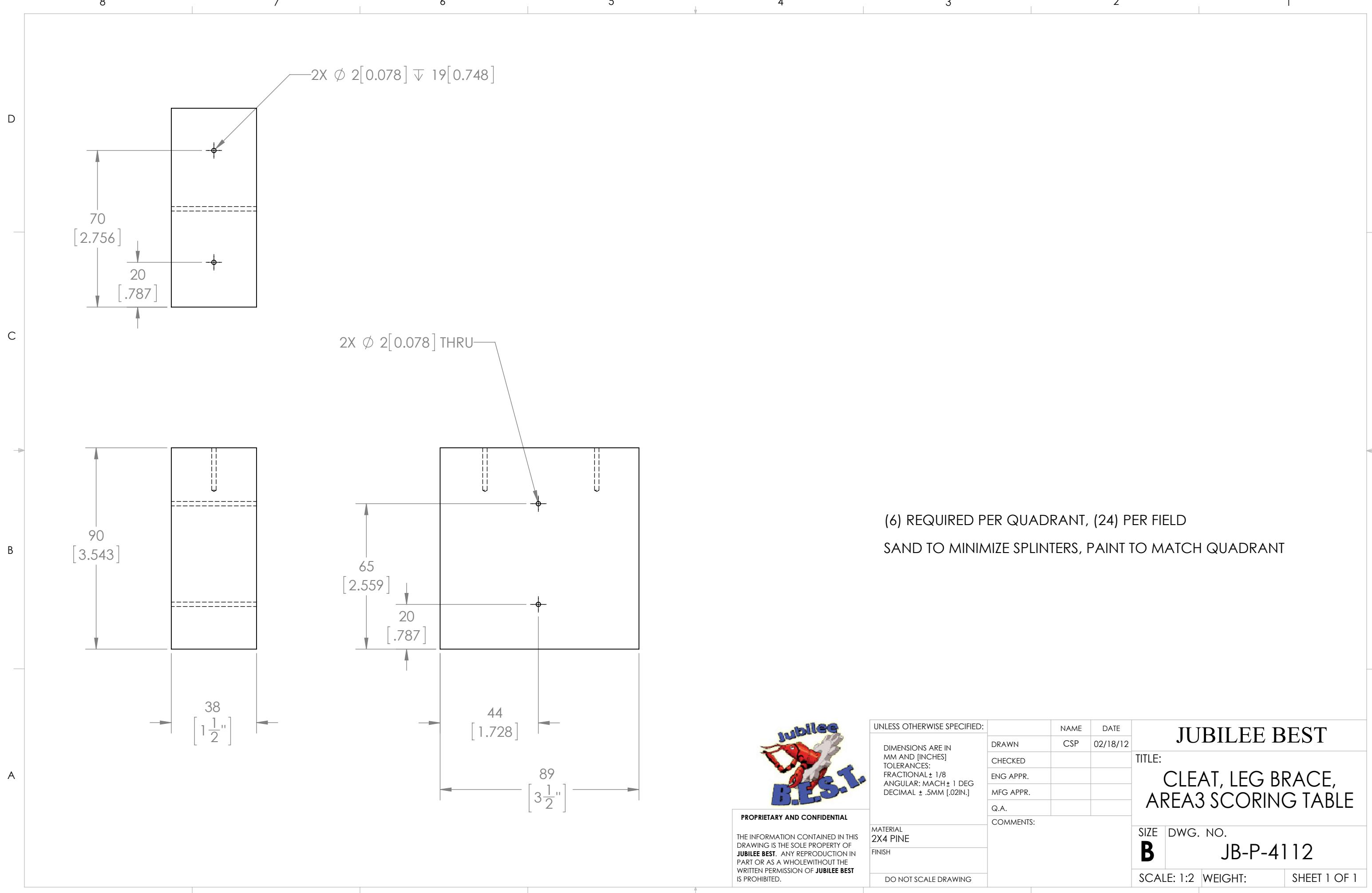
DRAWN
CHECKED
ENG APPR.
MFG APPR.
Q.A.
COMMENTS:
MATERIAL
FINISH
DO NOT SCALE DRAWING

JUBILEE BEST

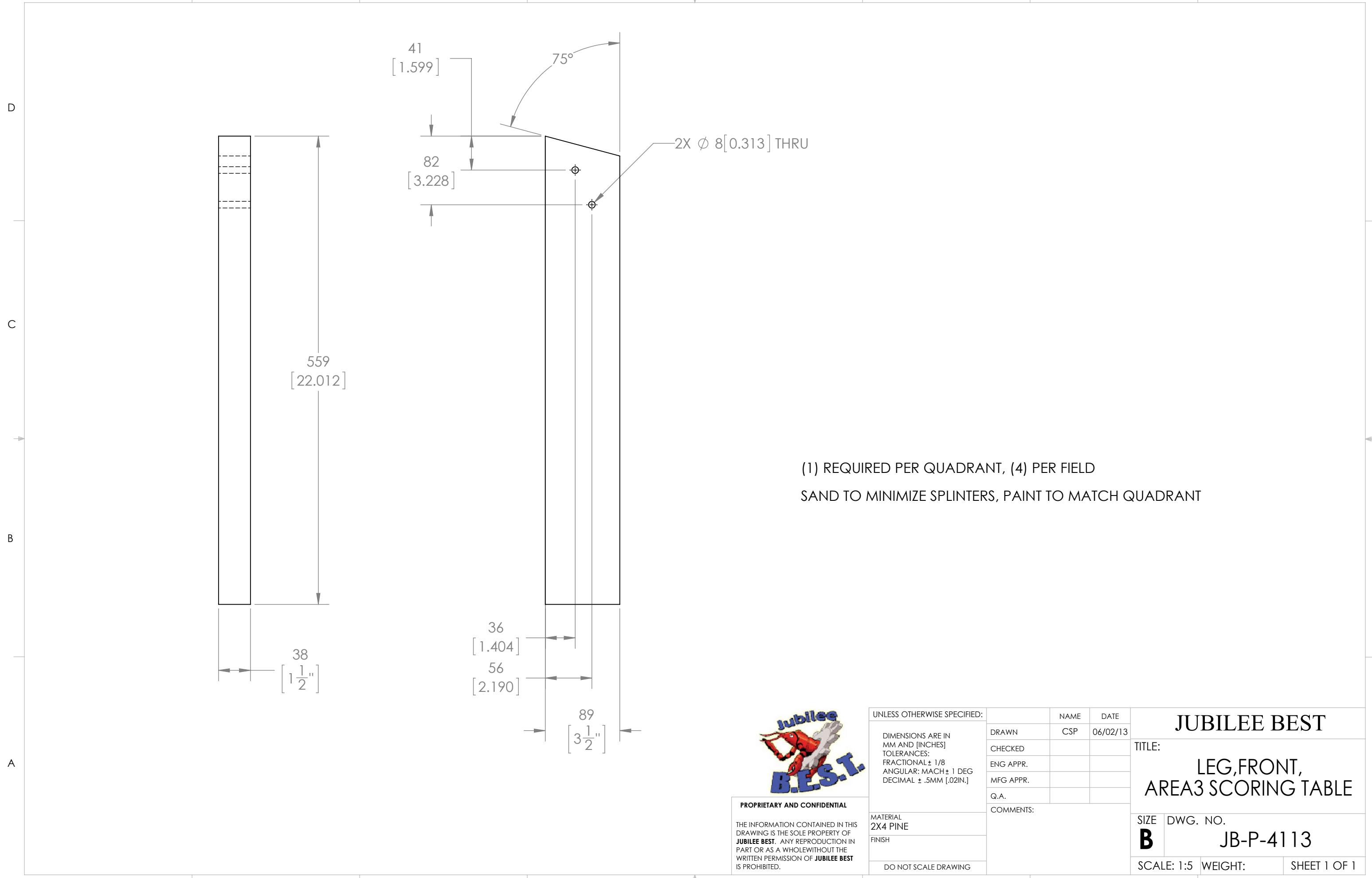
TITLE:
SHORT BRACE
LEG ATTACHMENTSIZE DWG. NO.
B JB-P-4107_RevB

SCALE: 1:5 WEIGHT: SHEET 1 OF 1

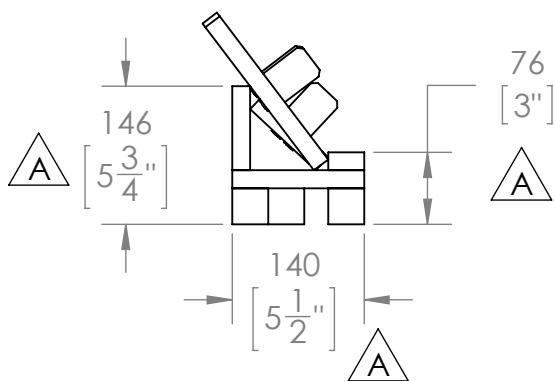
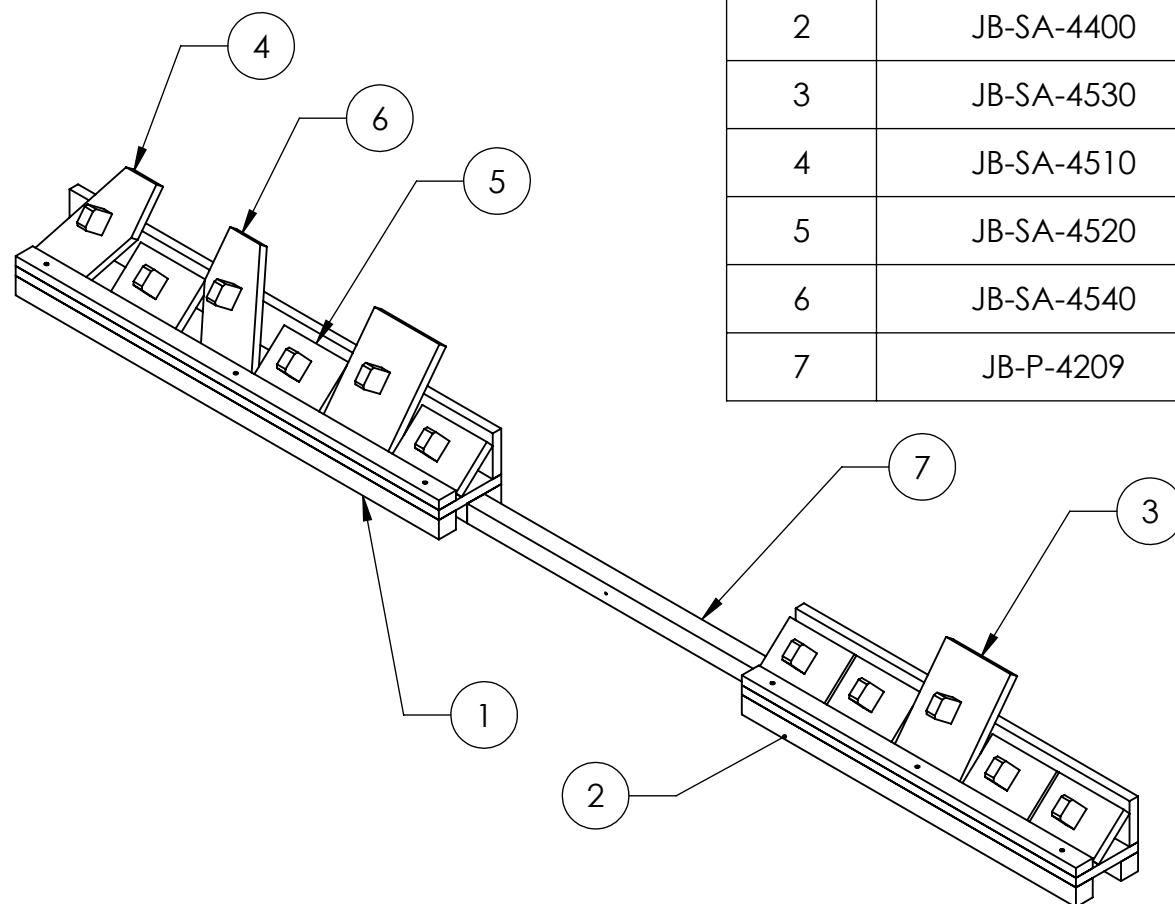




8 7 6 5 4 3 2 1



REVISIONS				ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
REV.	DESCRIPTION	DATE	APPROVED	1	JB-SA-4300	LONG STORAGE AREA, AREA3 PARTS STORAGE	1
A	ADDED DIMENSIONS	7/29/2013		2	JB-SA-4400	SHORT STORAGE AREA, AREA3 PARTS STORAGE	1
				3	JB-SA-4530	MEMORY, AREA3 SCORING PIECE	2
				4	JB-SA-4510	MUX HALF, AREA3 SCORING PIECE	1
				5	JB-SA-4520	DECODER, AREA3 SCORING PIECE	7
				6	JB-SA-4540	ADDER HALF, AREA3 SCORING PIECE	1
				7	JB-P-4209	SPACER, ALIGNMENT, AREA3 PARTS STORAGE	1



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD



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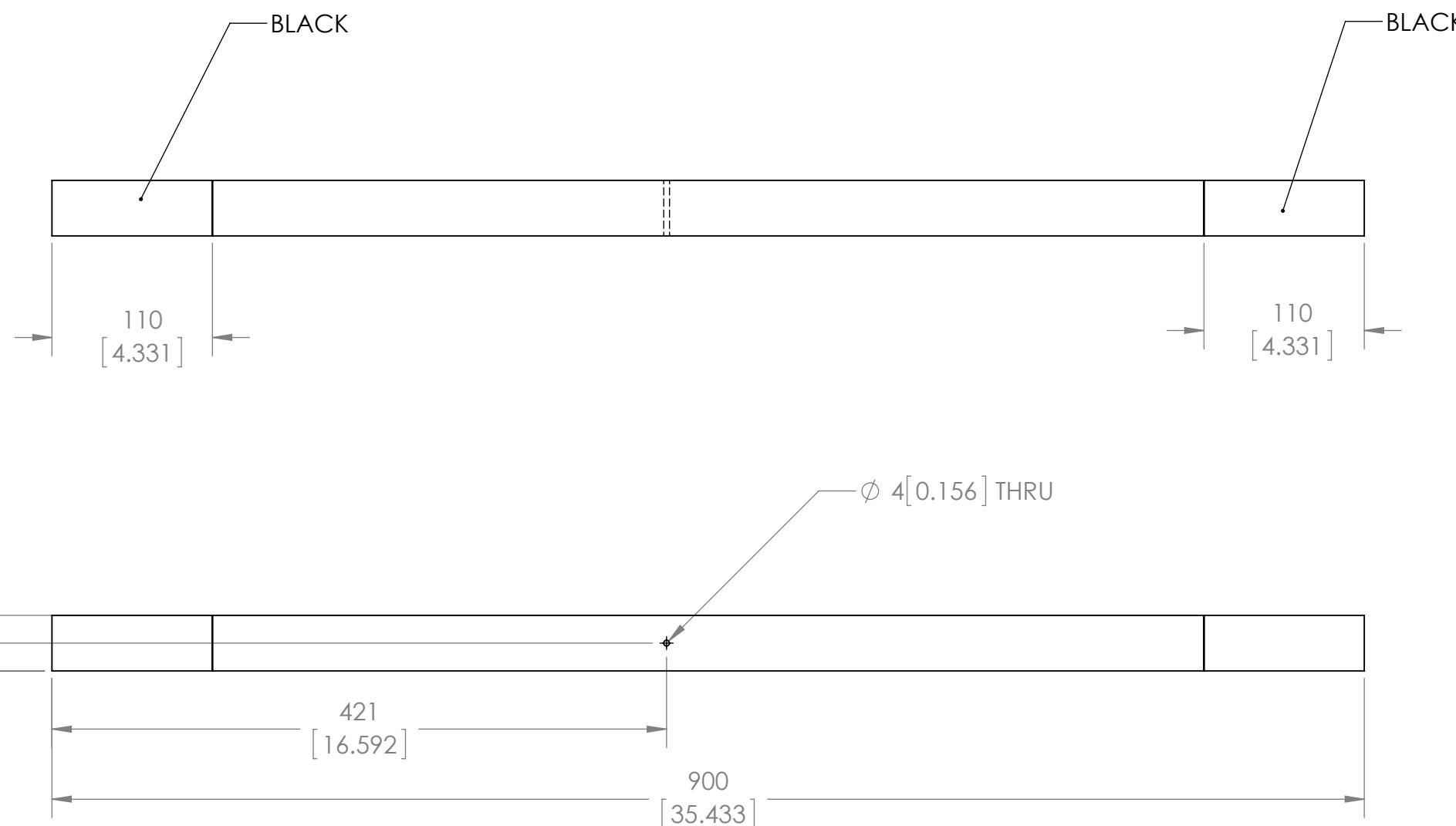
UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES]	CSP	02/18/12		
TOLERANCES: FRACTIONAL $\pm 1/8$	CHECKED			
ANGULAR: MACH ± 1 DEG	ENG APPR.			
DECIMAL $\pm .5$ MM [.02IN.]	MFG APPR.			
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
MATERIAL	COMMENTS:			
NEXT ASSY	USED ON	FINISH	SIZE	DWG. NO.
			B	JB-SA-4200_RevC
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:20 WEIGHT: SHEET 1 OF 1	

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[$1\frac{1}{2}$ "]

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[$\frac{3}{4}$ "]

(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT END BLACK AS SHOWN FOR ALIGNMENT, PAINT CENTER TO MATCH QUADRANT



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JUBILEE BEST		
TITLE: SPACER, ALIGNMENT, AREA3 PARTS STORAGE		
SIZE	DWG. NO.	
B	JB-P-4209	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM AND [INCHES]
TOLERANCES:
FRACTIONAL: ± 1/8
ANGULAR: MACH ± 1 DEG
DECIMAL: ± .5MM [.02IN.]

DRAWN: CSP: 06/08/13
CHECKED:
ENG APPR:
MFG APPR:
Q.A:

COMMENTS:

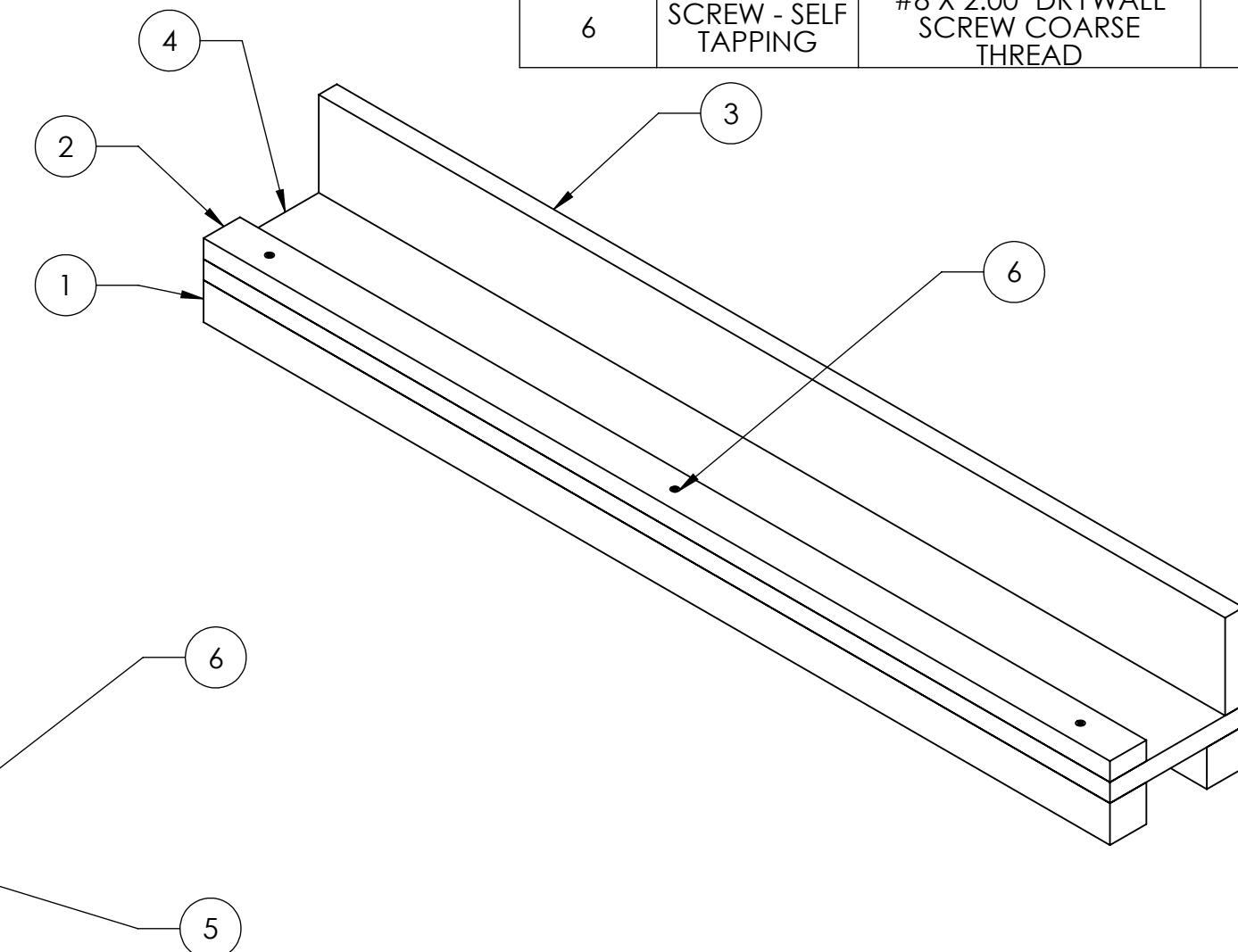
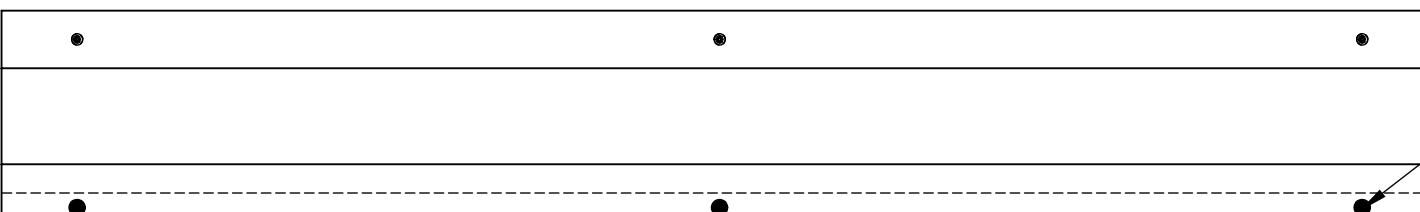
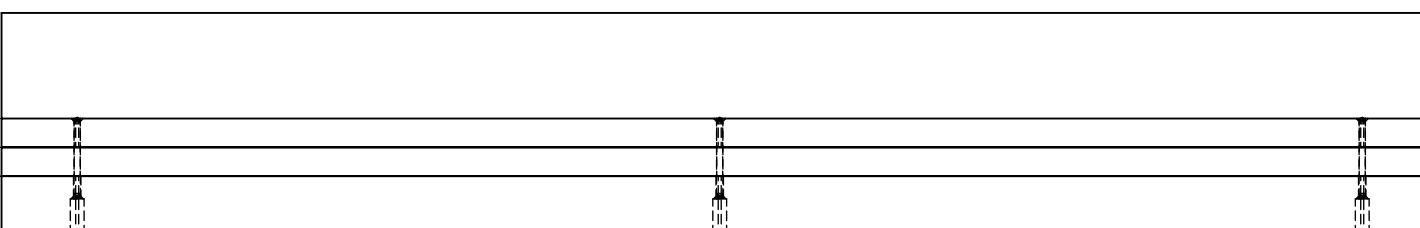
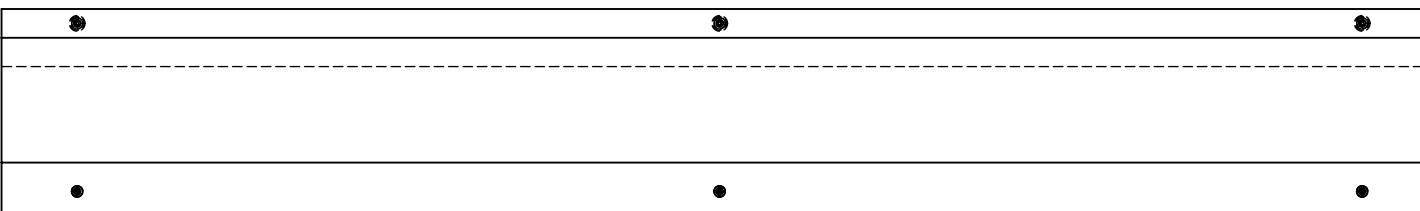
MATERIAL: 2X2 PINE
FINISH:

DO NOT SCALE DRAWING

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(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD



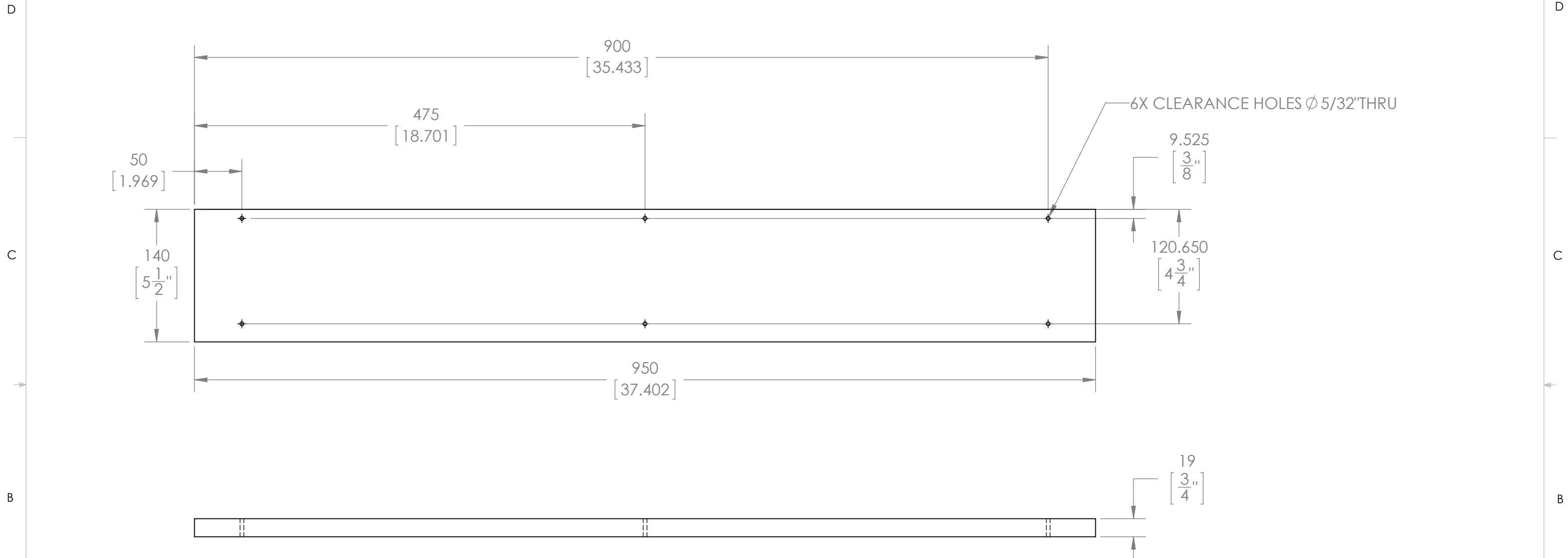
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4305	SUPPORT, FRONT, LONG AREA3 PART STORAGE	1
2	JB-P-4303	CLEAT, LONG, AREA3 PART STORAGE	1
3	JB-P-4302	BACKSTOP LONG, AREA3 PARTS STORAGE	1
4	JB-P-4301	BASE, LONG, AREA3 PARTS STORAGE	1
5	JB-P-4304	SUPPORT, BACK, LONG AREA 3 PART STORAGE	1
6	SCREW - SELF TAPPING	#8 X 2.00" DRYWALL SCREW COARSE THREAD	6

UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES]	CSP	06/02/13		
TOLERANCES: FRACTIONAL: ± 1/8 ANGULAR: MACH ± 1 DEG DECIMAL: ± .5MM [.02IN.]	CHECKED			
MATERIAL	ENG APPR.			
FINISH	MFG APPR.			
DO NOT SCALE DRAWING	Q.A.			
COMMENTS:				
SIZE		DWG. NO.		
B		JB-SA-4300		
SCALE: 1:5		WEIGHT:		SHEET 1 OF 1

8 7 6 5 4 3 2 1

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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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JUBILEE BEST		
TITLE: BASE, LONG, AREA3 PARTS STORAGE		
SIZE	DWG. NO.	
B	JB-P-4301	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	06/02/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

MATERIAL
1X6 PINE
FINISH
DO NOT SCALE DRAWING

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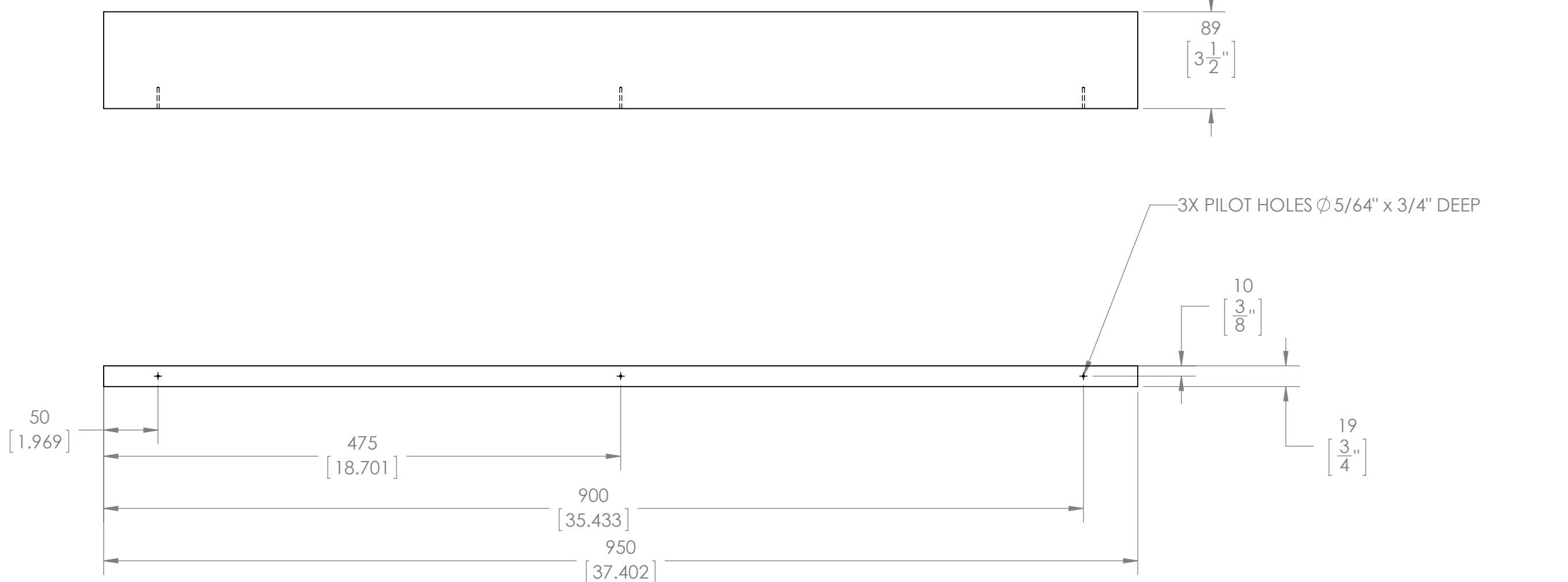
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(1) REQUIRED PER QUADRANT, (4) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWN	CSP	06/02/13	
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			
MATERIAL	1X4 PINE		
FINISH			
DO NOT SCALE DRAWING			

JUBILEE BEST

TITLE:
BACKSTOP LONG,
AREA3 PARTS STORAGE

SIZE DWG. NO.
B JB-P-4302
SCALE: 1:5 WEIGHT: SHEET 1 OF 1

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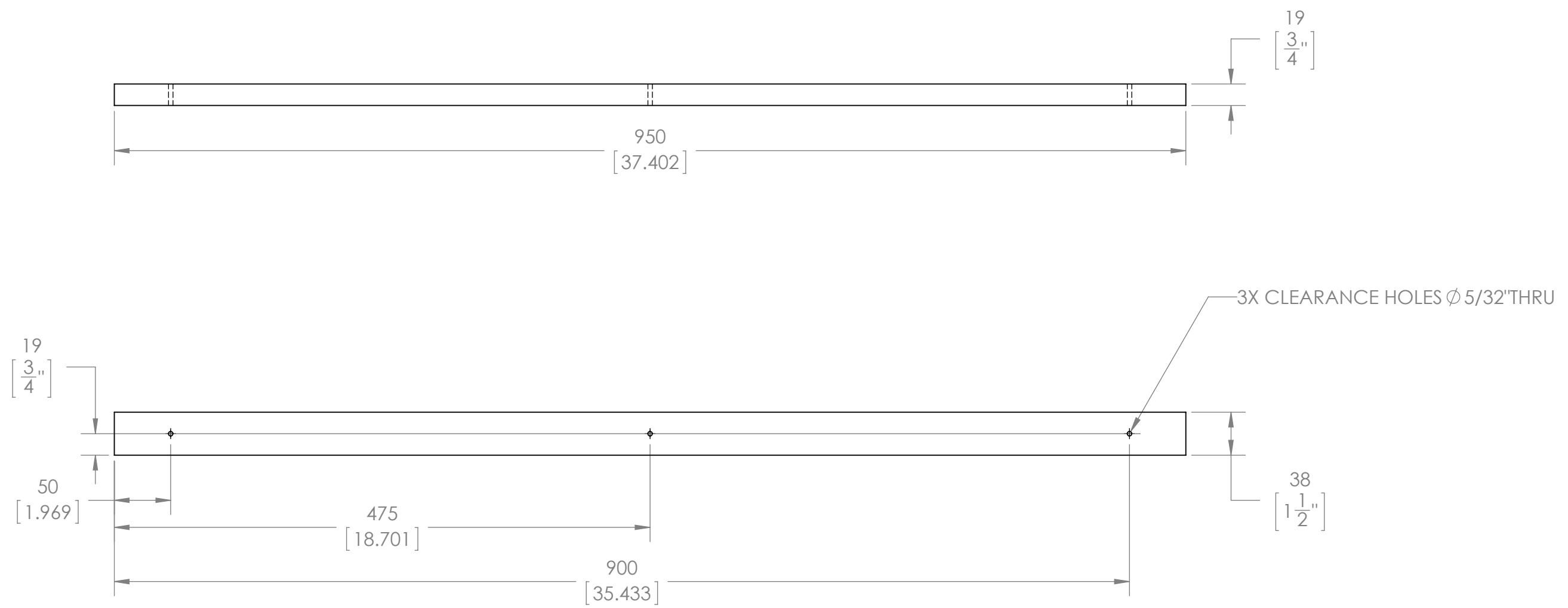
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

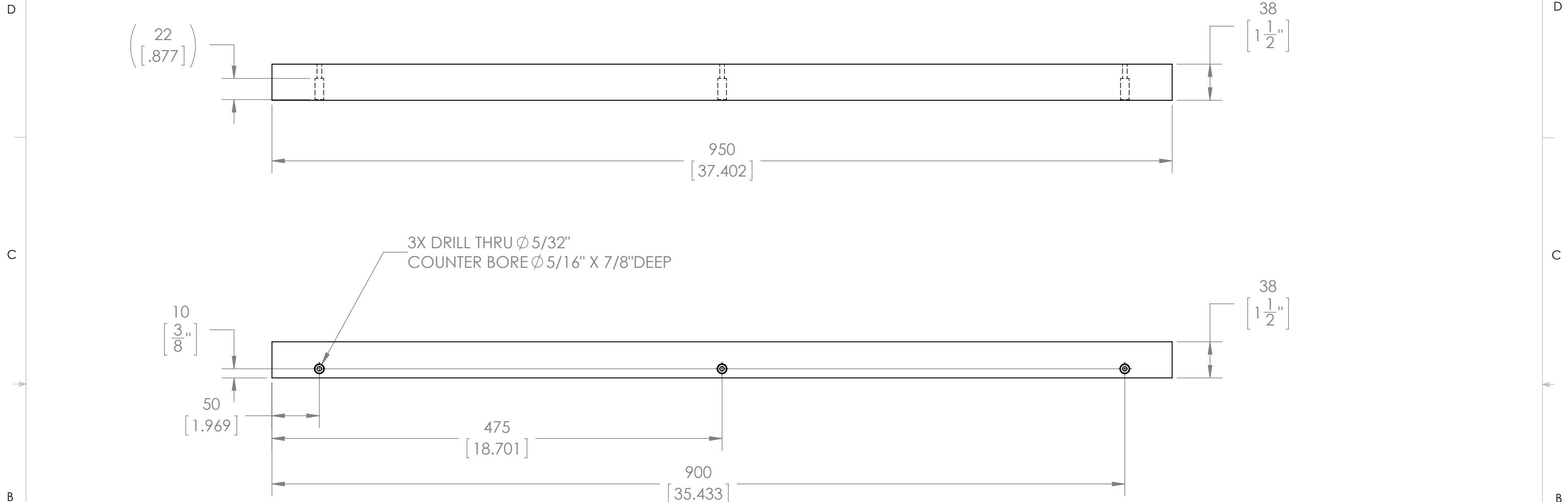
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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JUBILEE BEST		
TITLE: CLEAT, LONG, AREA3 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-4303	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIRLD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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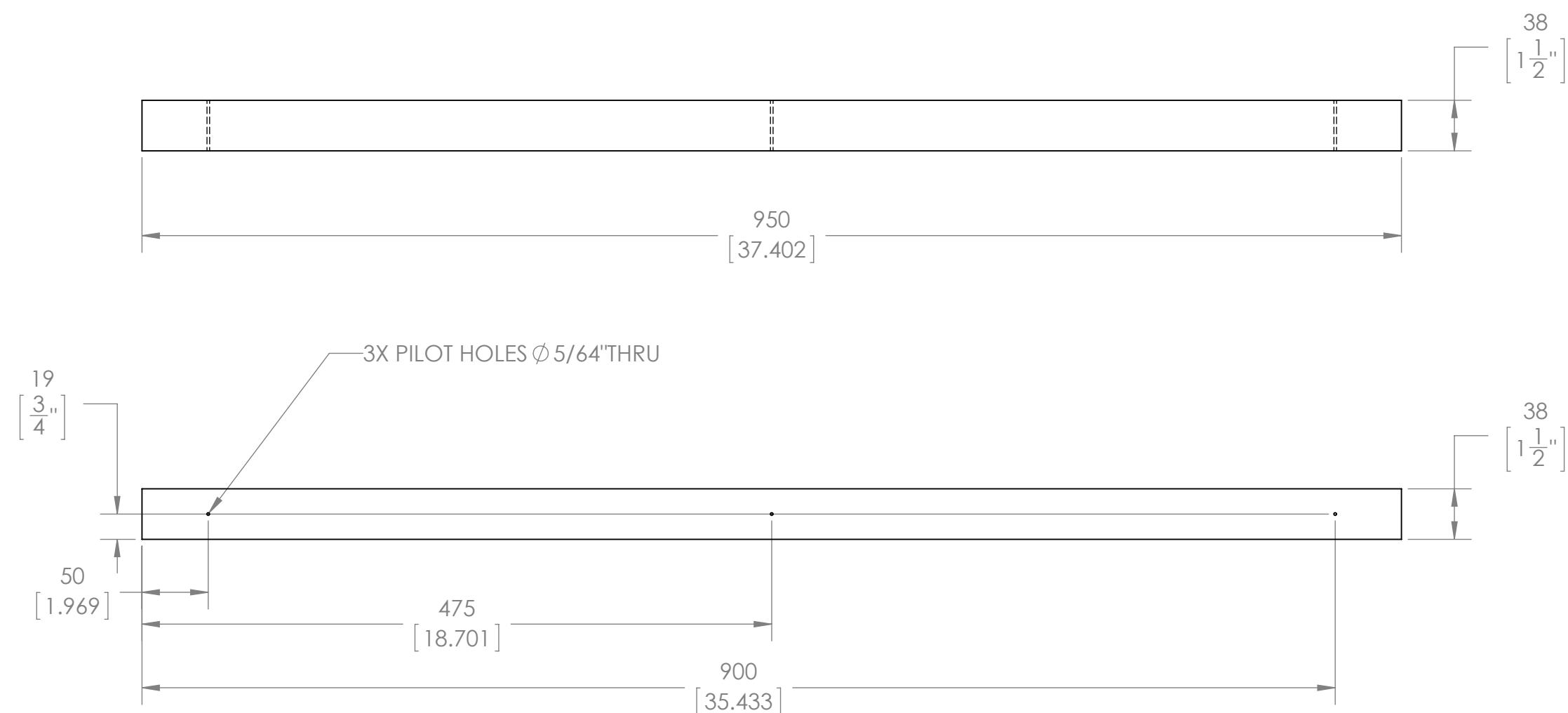
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JUBILEE BEST		
TITLE: SUPPORT, BACK, LONG AREA 3 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-4304	
DO NOT SCALE DRAWING		SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



PROPRIETARY AND CONFIDENTIAL

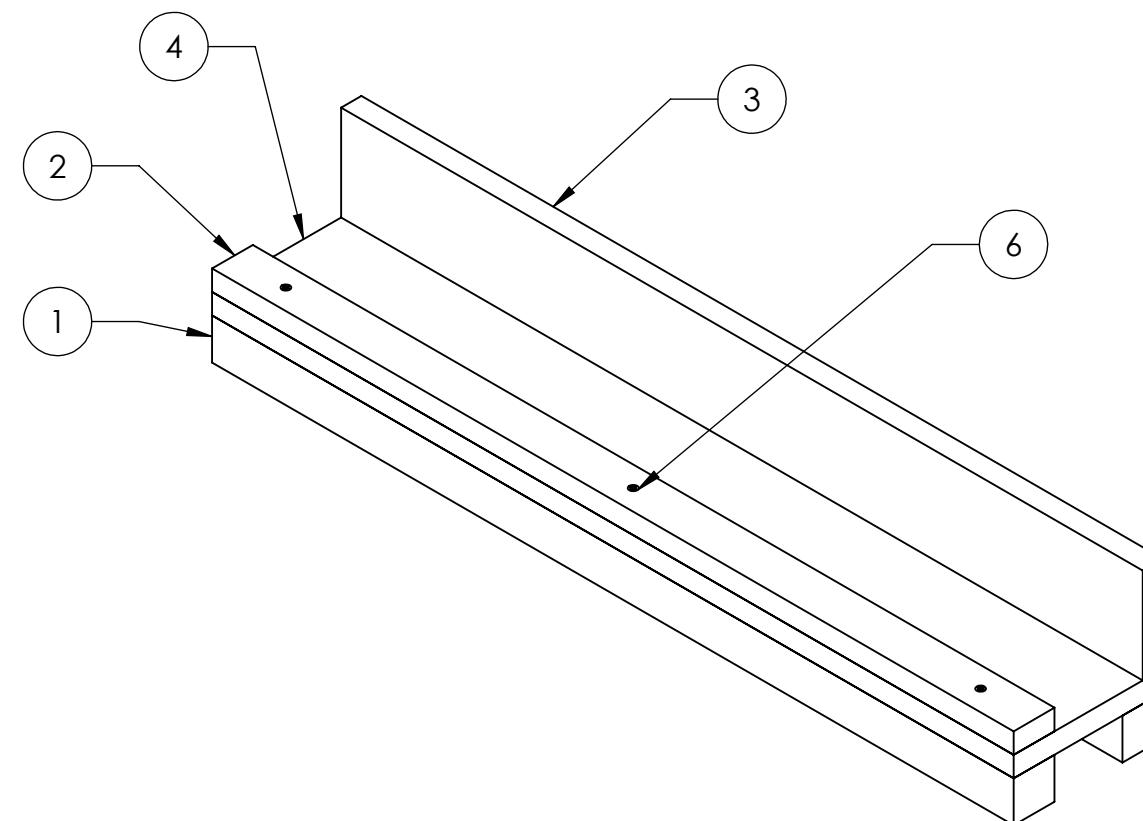
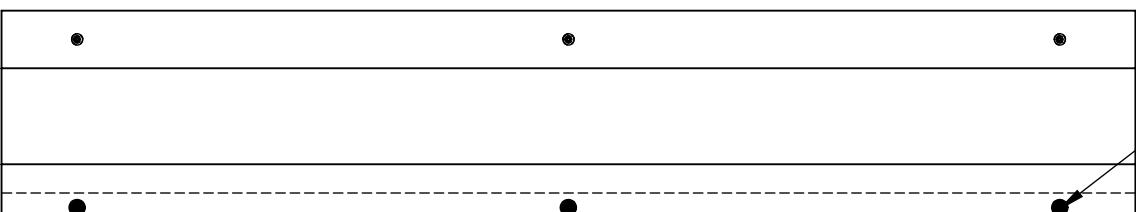
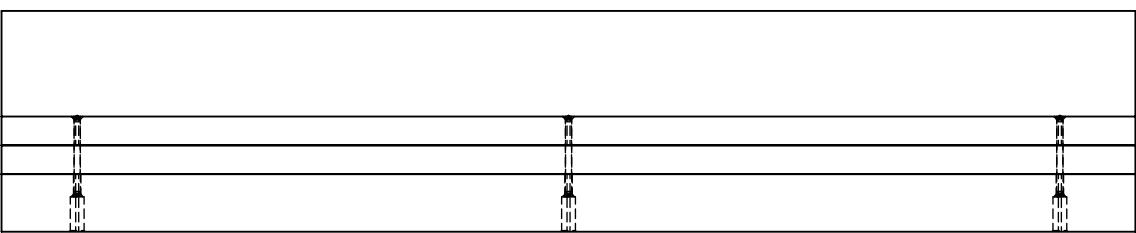
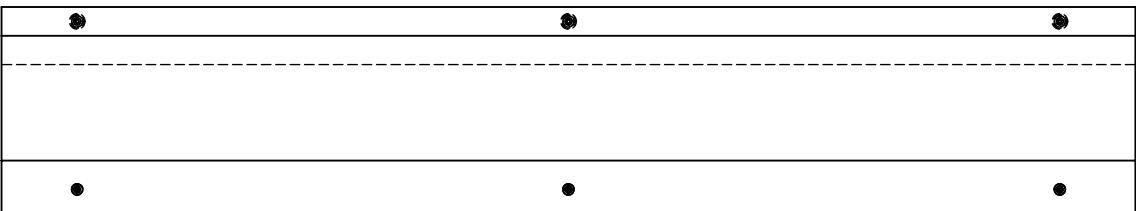
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JUBILEE BEST		
TITLE: SUPPORT, FRONT, LONG AREA3 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-4305	
SCALE: 1:10	WEIGHT:	SHEET 1 OF 1

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4405	SUPPORT, FRONT, SHORT AREA3 PART STORAGE	1
2	JB-P-4403	CLEAT, SHORT, AREA3 PART STORAGE	1
3	JB-P-4402	BACKSTOP SHORT, AREA3 PARTS STORAGE	1
4	JB-P-4401	BASE, SHORT, AREA3 PARTS STORAGE	1
5	JB-P-4404	SUPPORT, BACK, SHORT AREA3 PART STORAGE	1
6	SCREW - SELF TAPPING	#8 X 2.00" DRYWALL SCREW COARSE THREAD	6



(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD



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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES]	CSP	02/18/12		
TOLERANCES: FRACTIONAL: ± 1/8 ANGULAR: MACH ± 1 DEG DECIMAL: ± .5MM [.02IN.]	CHECKED			
MATERIAL	ENG APPR.			
FINISH	MFG APPR.			
DO NOT SCALE DRAWING	Q.A.			
COMMENTS:				
SIZE		DWG. NO.		
B		JB-SA-4400		
SCALE: 1:5		WEIGHT:		SHEET 1 OF 1

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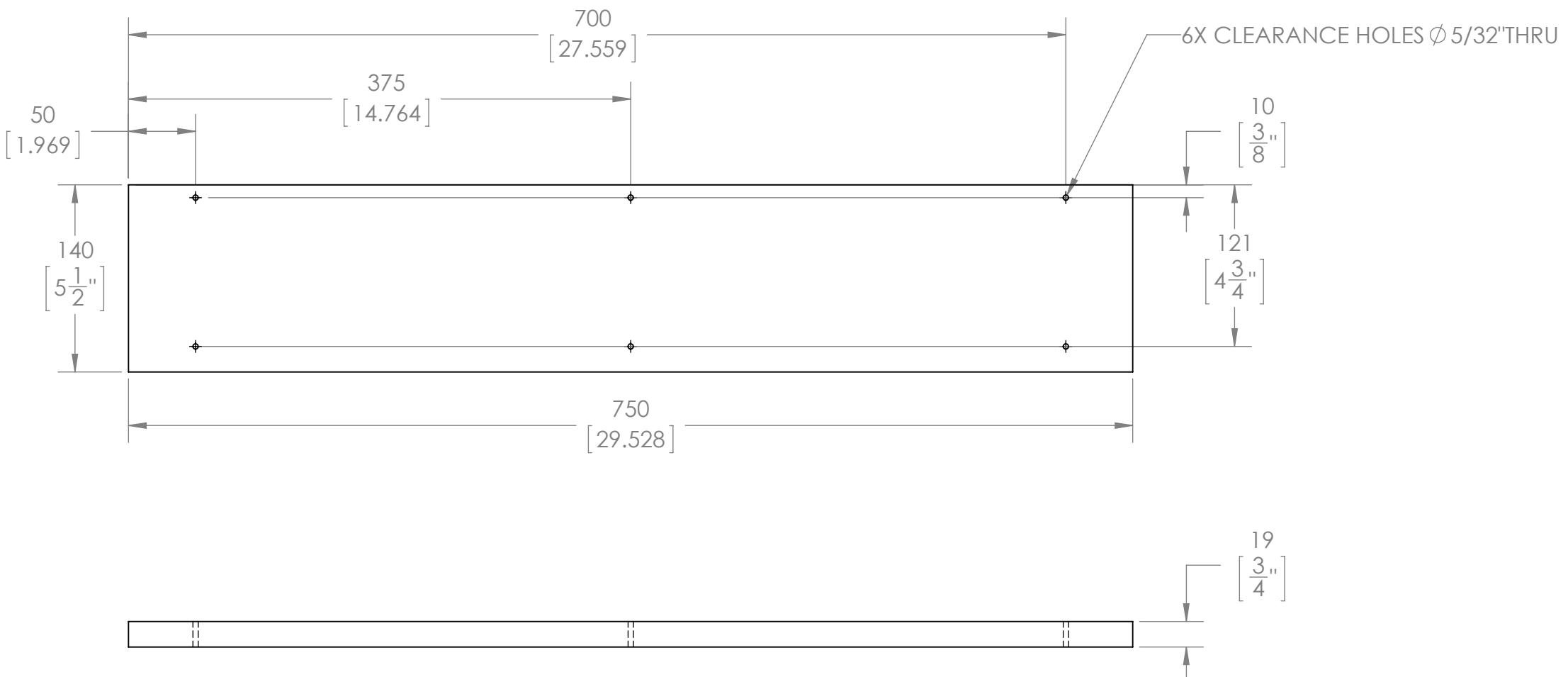
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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JUBILEE BEST		
TITLE: BASE, SHORT, AREA3 PARTS STORAGE		
SIZE	DWG. NO.	
B	JB-P-4401	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	06/02/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

MATERIAL
1X6 PINE
FINISH
DO NOT SCALE DRAWING

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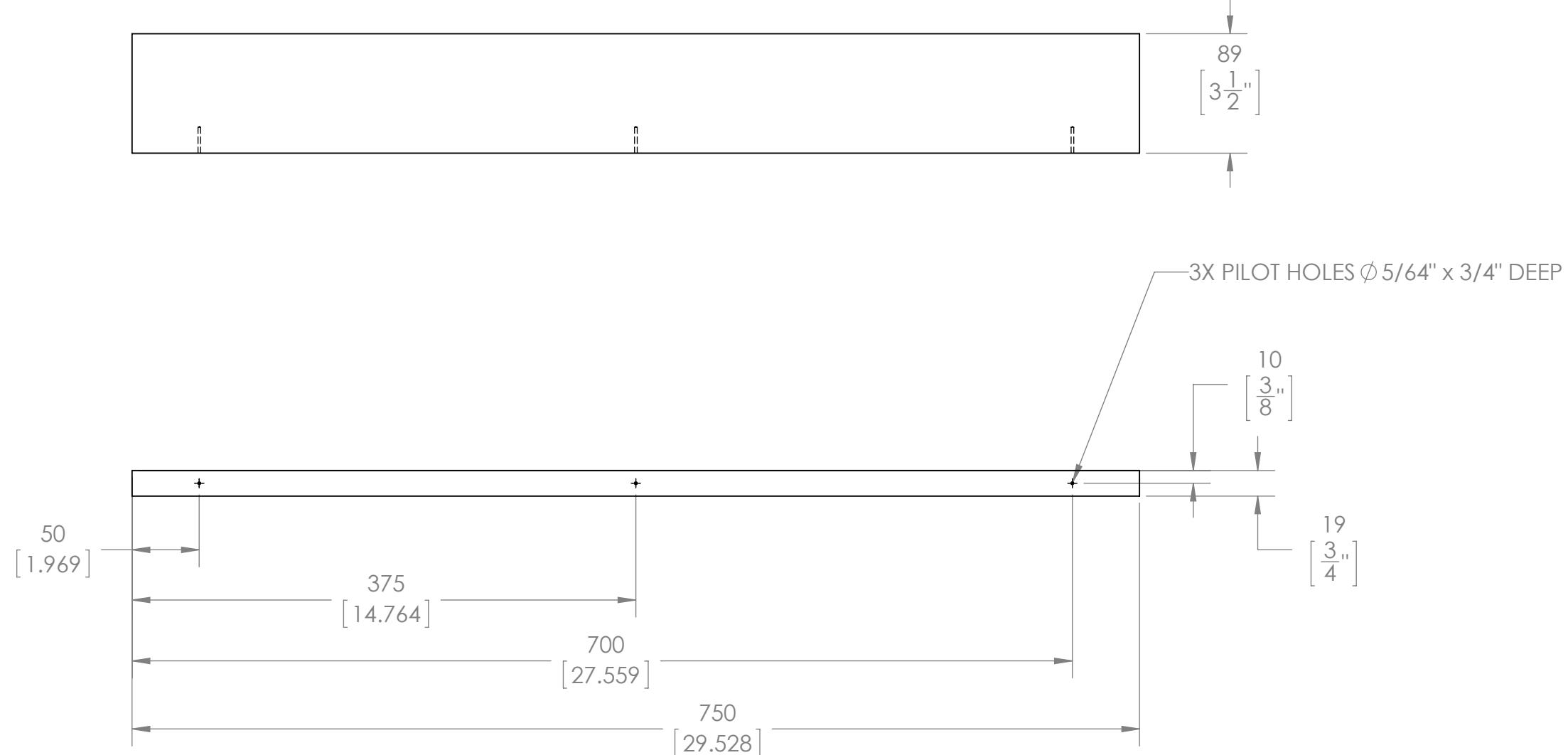
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
	DRAWN	CSP	06/02/13
DIMENSIONS ARE IN MM AND [INCHES]	CHECKED		
TOLERANCES:	ENG APPR.		
FRACTIONAL $\pm 1/8$	MFG APPR.		
ANGULAR: MACH ± 1 DEG	Q.A.		
DECIMAL $\pm .5MM [.02IN.]$	COMMENTS:		
MATERIAL 1X4 PINE			
FINISH			
DO NOT SCALE DRAWING			

JUBILEE BEST

TITLE:
BACKSTOP SHORT,
AREA3 PARTS STORAGE

SIZE DWG. NO.
B JB-P-4402
SCALE: 1:5 WEIGHT: SHEET 1 OF 1

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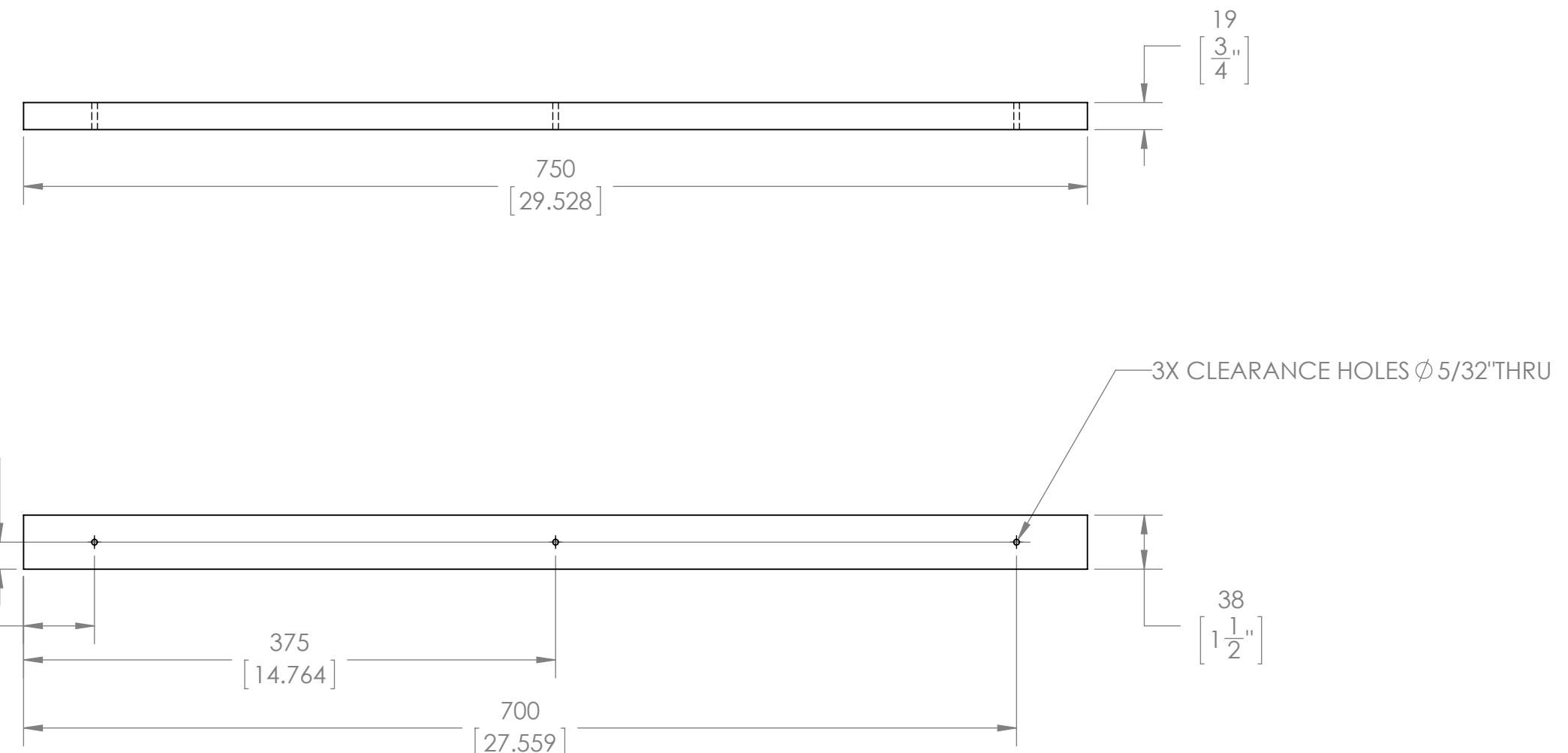
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(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



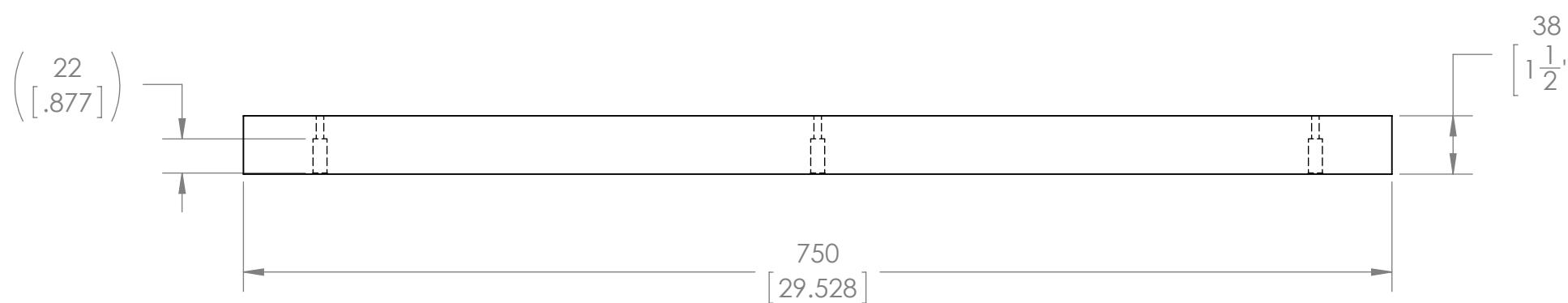
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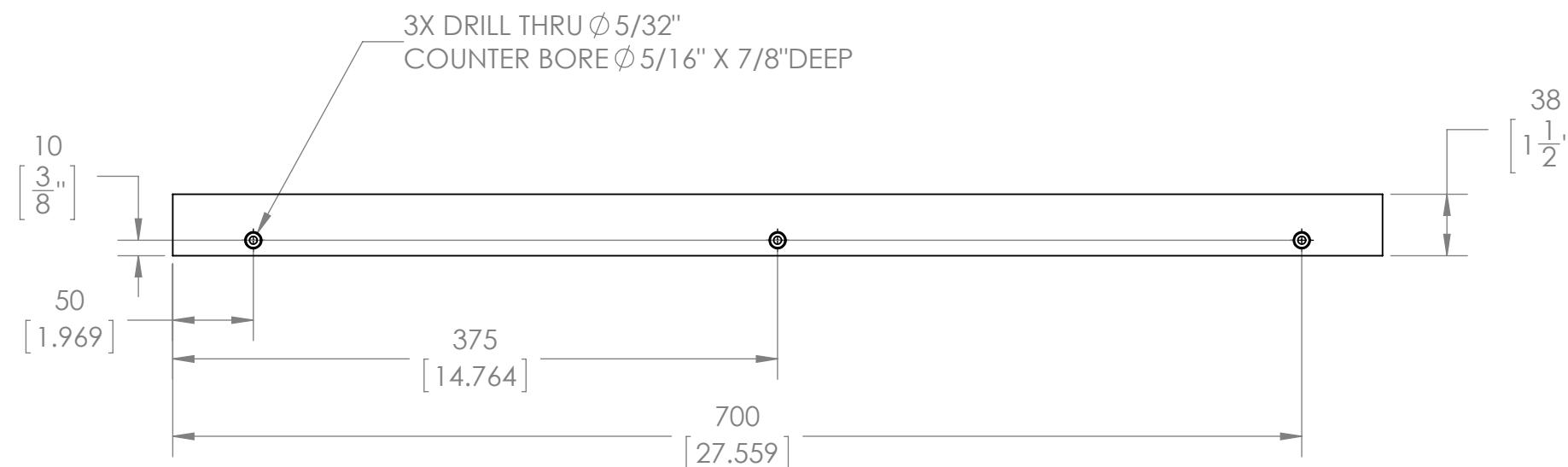
JUBILEE BEST		
TITLE: CLEAT, SHORT, AREA3 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-4403	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

8 7 6 5 4 3 2 1

D



C



B

(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		
DRAWN	NAME	DATE
CSP		06/02/13
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL 2x2 PINE		
FINISH		
DO NOT SCALE DRAWING		

JUBILEE BEST

TITLE:
SUPPORT, BACK, SHORT
AREA3 PART STORAGE

SIZE DWG. NO.
B JB-P-4404

SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

A

D

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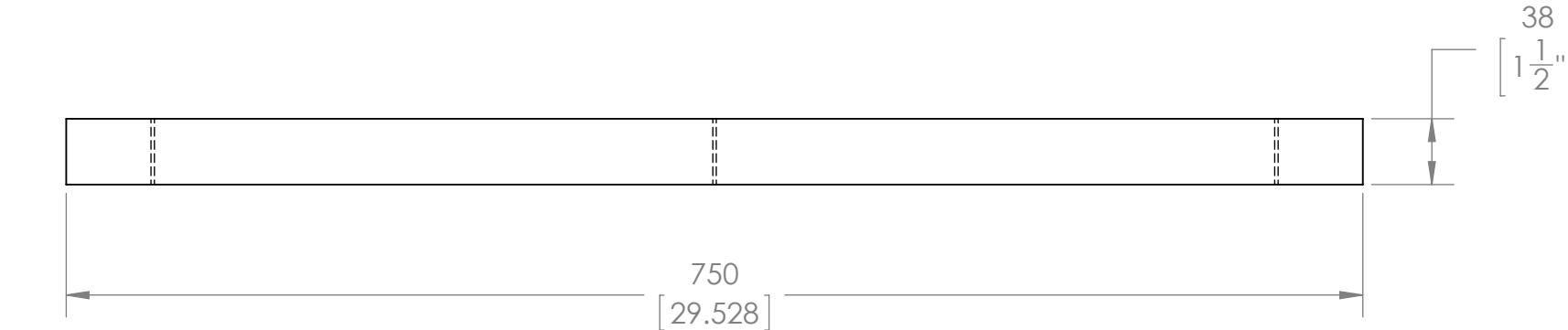
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1

8 7 6 5 4 3 2 1

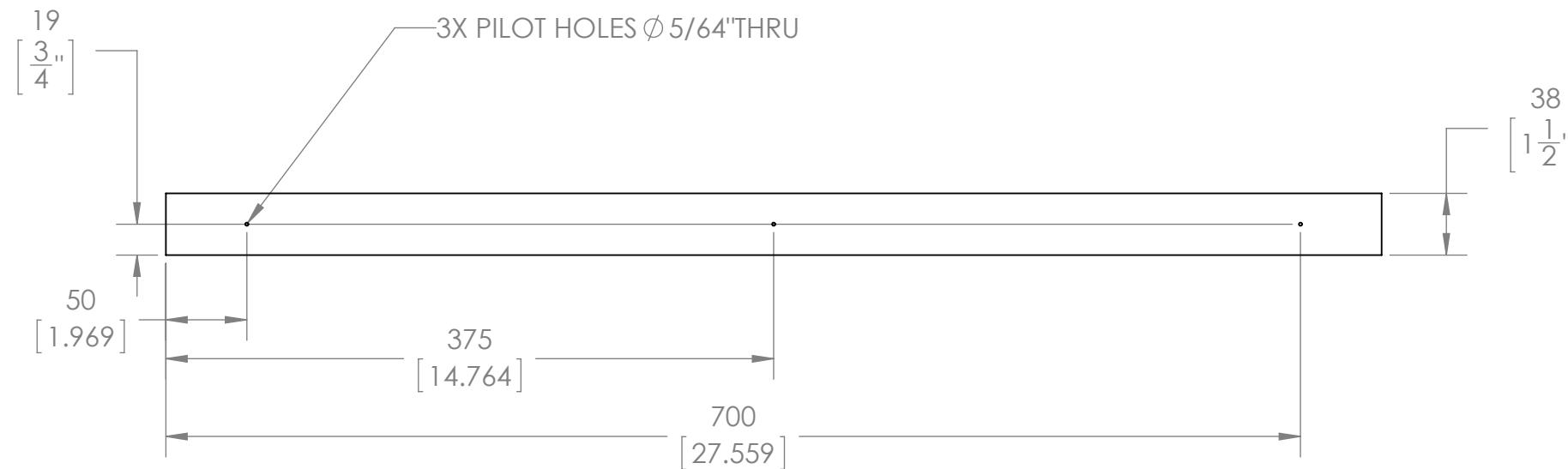
D

D



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C



B

B

(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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UNLESS OTHERWISE SPECIFIED:		
DRAWN	NAME	DATE
CSP	06/02/13	
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL		
2x2 PINE		
FINISH		
DO NOT SCALE DRAWING		

JUBILEE BEST

TITLE:
SUPPORT, FRONT, SHORT
AREA3 PART STORAGE

SIZE DWG. NO.
B JB-P-4405

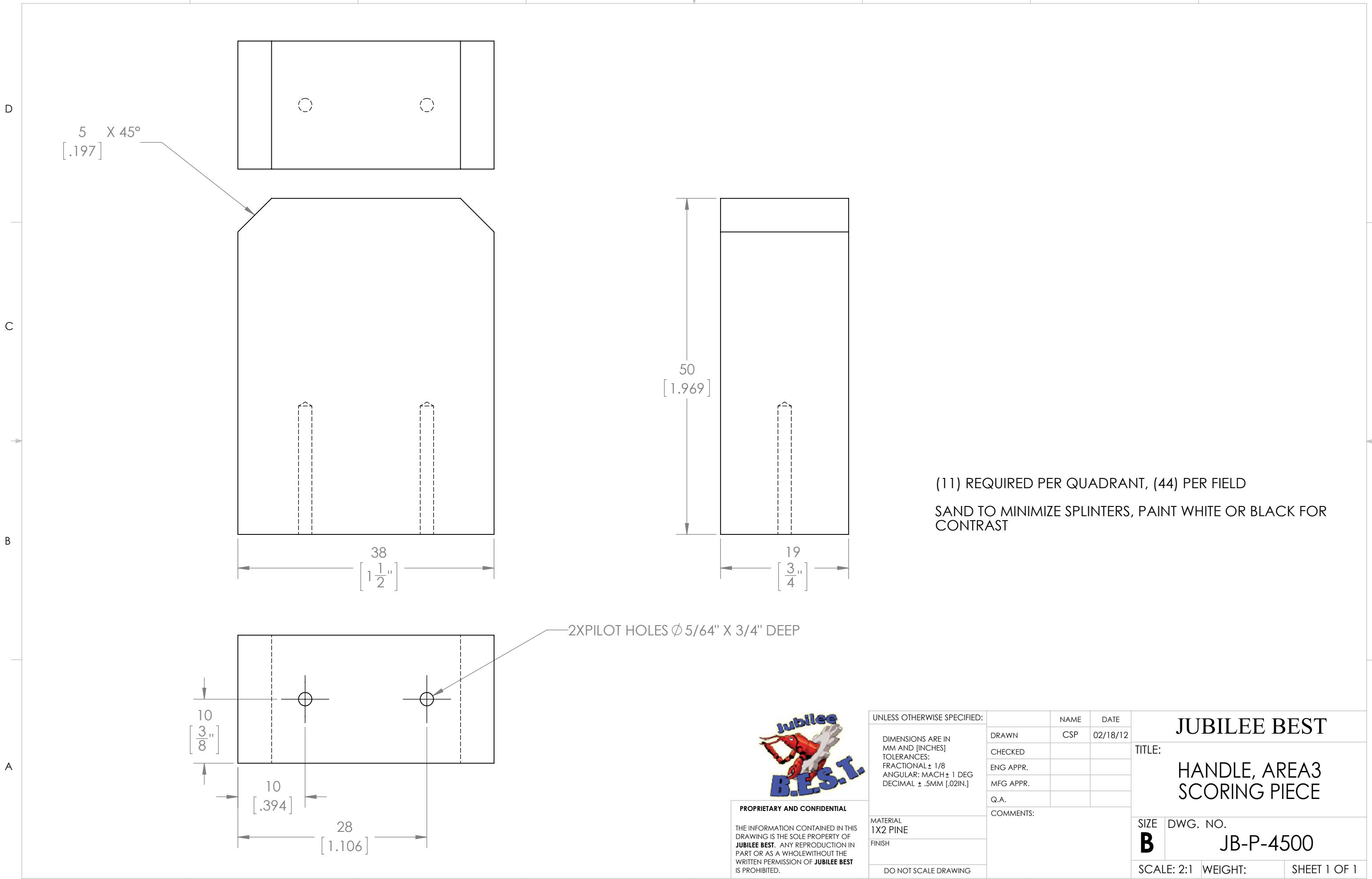
SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

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A

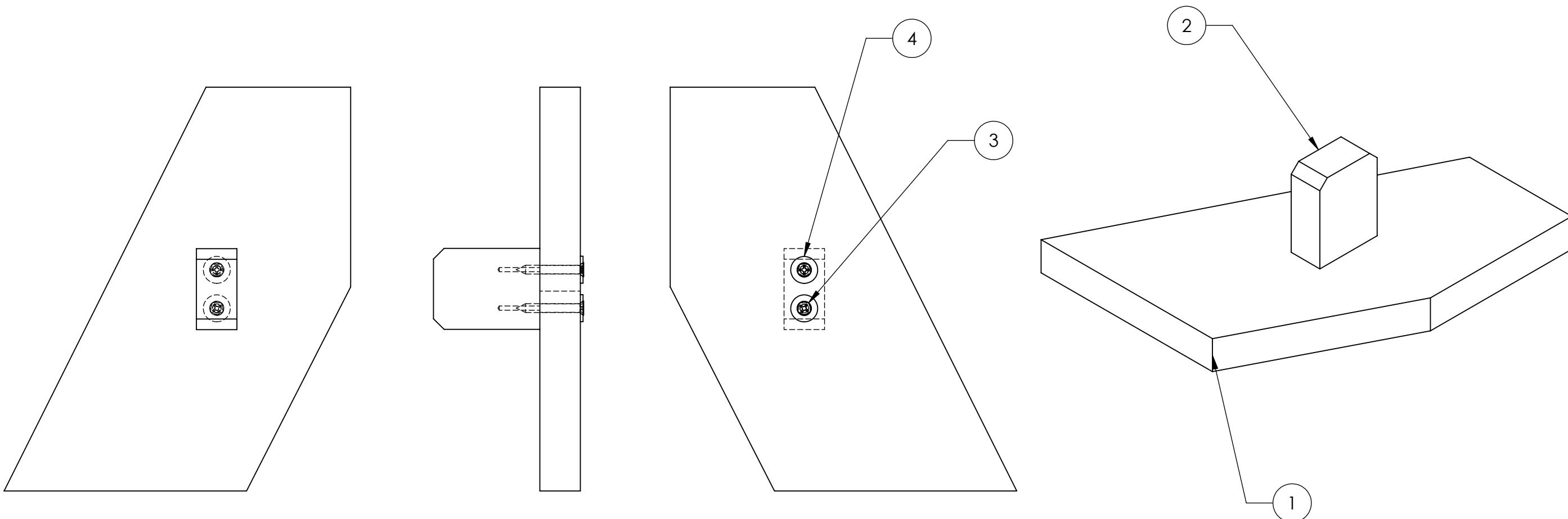
8 7 6 5 4 3 2 1



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DRAWN	CSP	02/18/12	
CHECKED			
ENG APPR.			
MFG APPR.			
Q.A.			
COMMENTS:			
MATERIAL	JUBILEE BEST		
FINISH	HANDLE, AREA3 SCORING PIECE		
DO NOT SCALE DRAWING	JB-P-4500		

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4511	MUX OR ADDER PIECE, AREA3 SCORING PARTS	1
2	JB-P-4500	HANDLE, AREA3 SCORING PIECE	1
3	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	2
4	WASHER	#10 FLAT WASHER	2



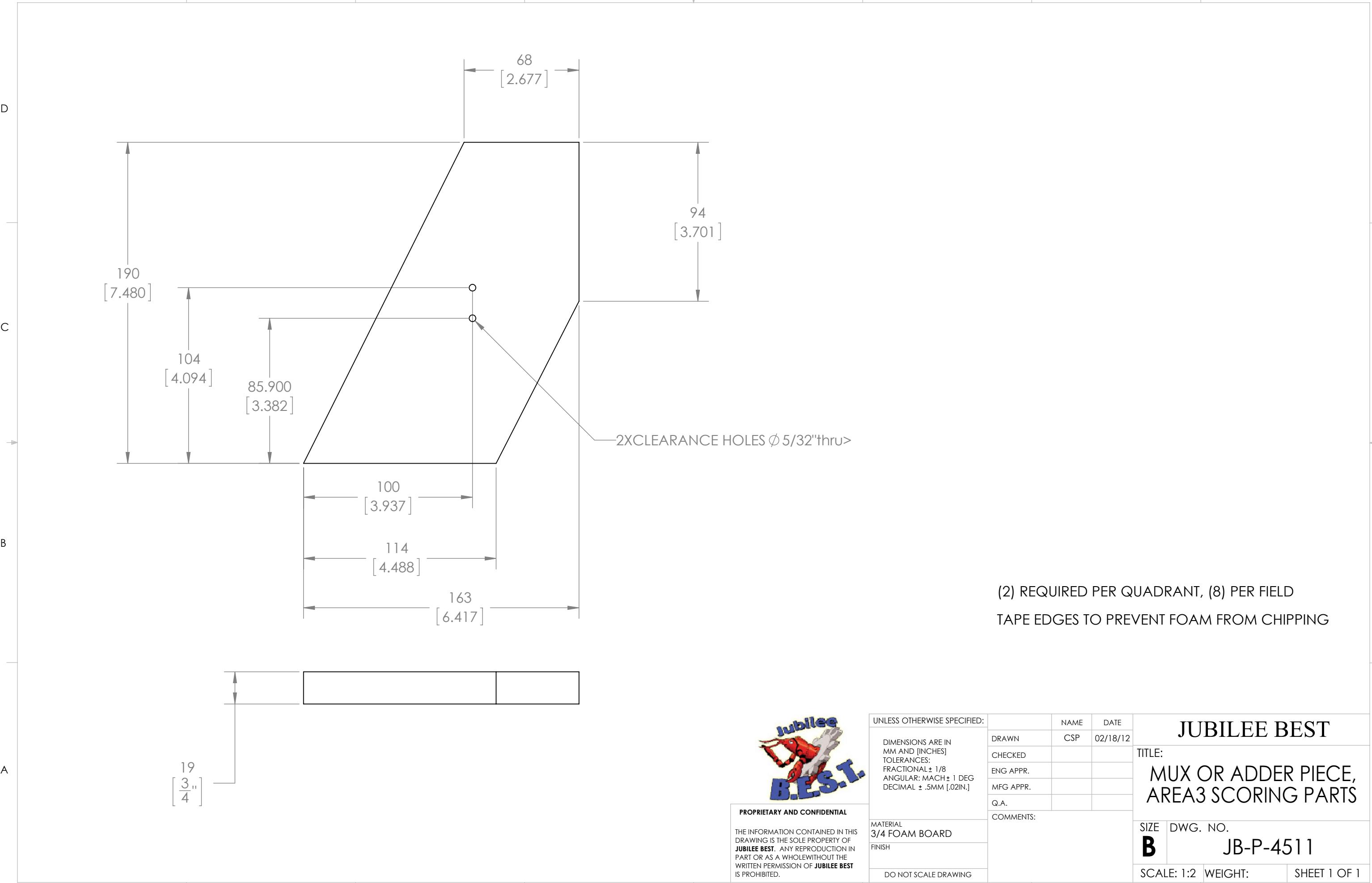
(1) REQUIRED PER QUADRANT, (4) PER FIELD - "MUX"



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IS PROHIBITED.

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES]		DRAWN	CSP	TITLE: MUX HALF, AREA3 SCORING PIECE	
TOLERANCES: FRACTIONAL: ± 1/8		CHECKED		SIZE DWG. NO.	
ANGULAR: MACH ± 1 DEG		ENG APPR.		B	JB-SA-4510
DECIMAL: ± .5MM [.02IN.]		MFG APPR.		SCALE: 1:2 WEIGHT: SHEET 1 OF 1	
Q.A.		Q.A.			
MATERIAL		COMMENTS:			
FINISH					
DO NOT SCALE DRAWING					

8 7 6 5 4 3 2 1



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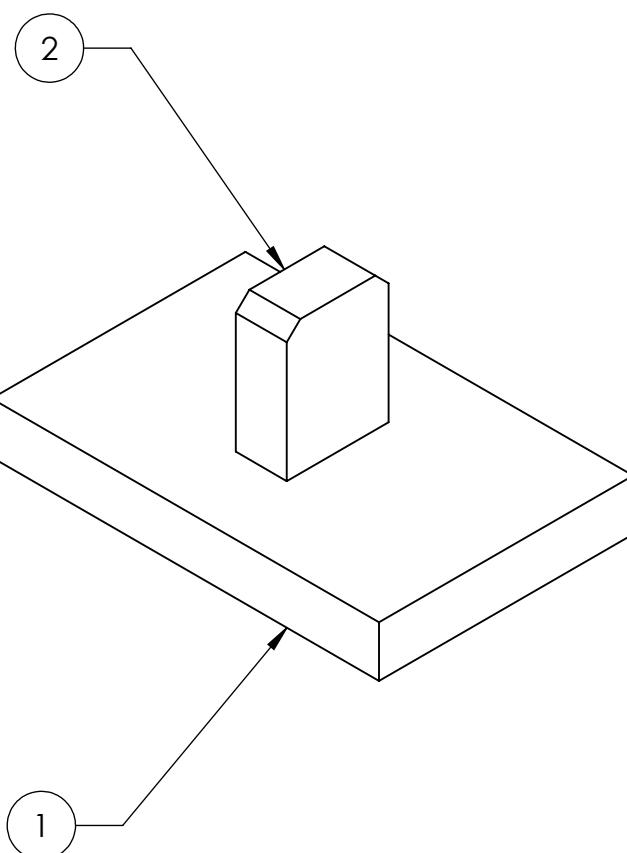
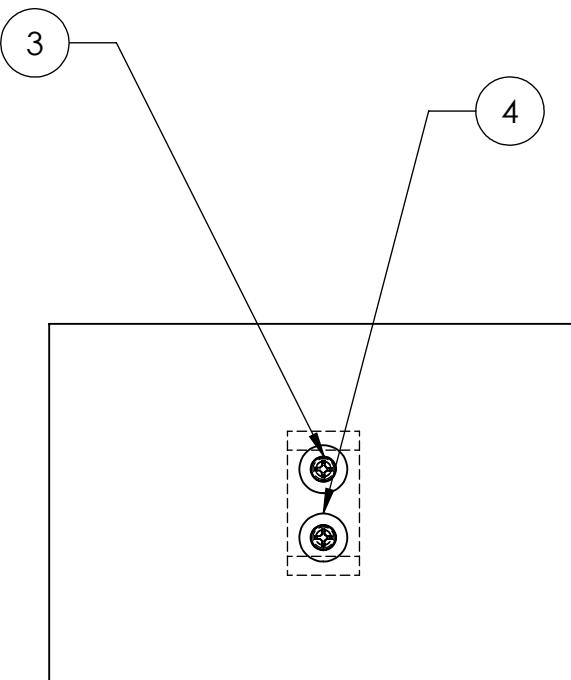
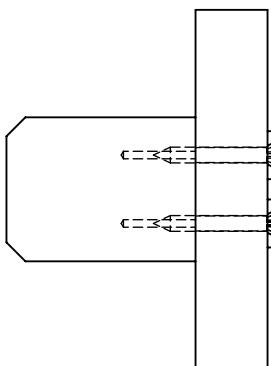
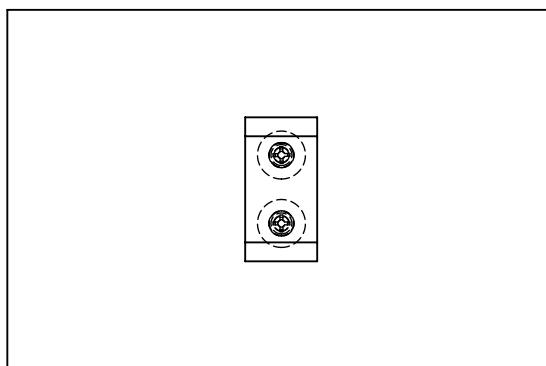
JUBILEE BEST		
TITLE: MUX OR ADDER PIECE, AREA3 SCORING PARTS		
SIZE	DWG. NO.	
B	JB-P-4511	
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MM AND [INCHES]
TOLERANCES:
FRACTIONAL \pm 1/8
ANGULAR: MACH \pm 1 DEG
DECIMAL \pm .5MM [.02IN.]

DRAWN: CSP: 02/18/12
CHECKED: ENG APPR: MFG APPR: Q.A.: COMMENTS:

MATERIAL: 3/4 FOAM BOARD
FINISH:
DO NOT SCALE DRAWING

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4521	BODY, MEMORY AREA3 SCORING PIECE	1
2	JB-P-4500	HANDLE, AREA3 SCORING PIECE	1
3	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	2
4	WASHER	#10 FLAT WASHER	2



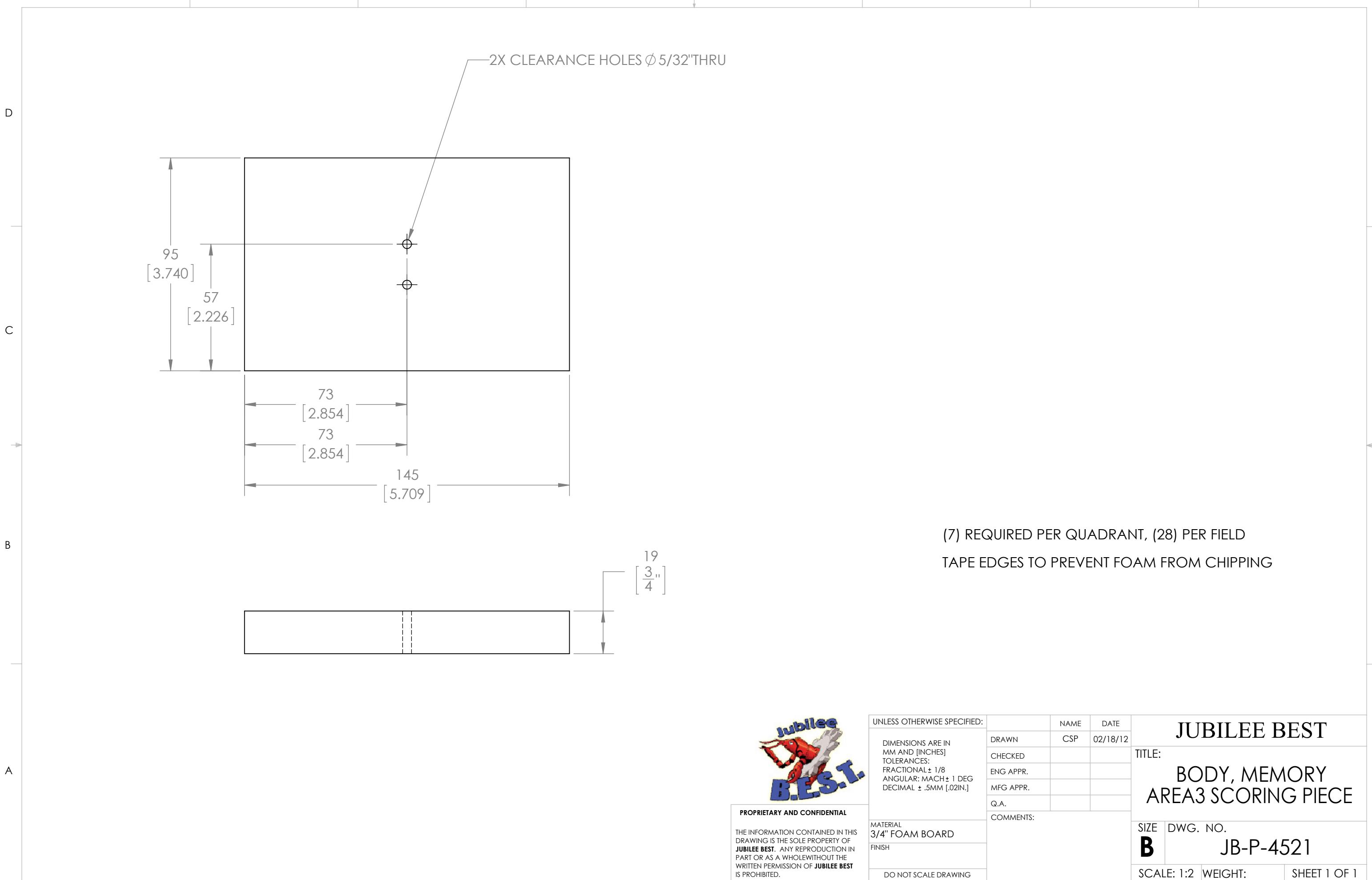
(7) REQUIRED AS SHOWN PER QUADRANT, (28) PER FIELD



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UNLESS OTHERWISE SPECIFIED:			NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL: ± 1/8 ANGULAR: MACH ± 1 DEG DECIMAL: ± .5MM [.02IN.]			DRAWN	CSP	TITLE: DECODER, AREA3 SCORING PIECE	
CHECKED					SIZE DWG. NO.	
ENG APPR.					B JB-SA-4520	
MFG APPR.					SCALE: 1:2	
Q.A.			COMMENTS:			WEIGHT: SHEET 1 OF 1
MATERIAL						
FINISH						
DO NOT SCALE DRAWING						

8 7 6 5 4 3 2 1



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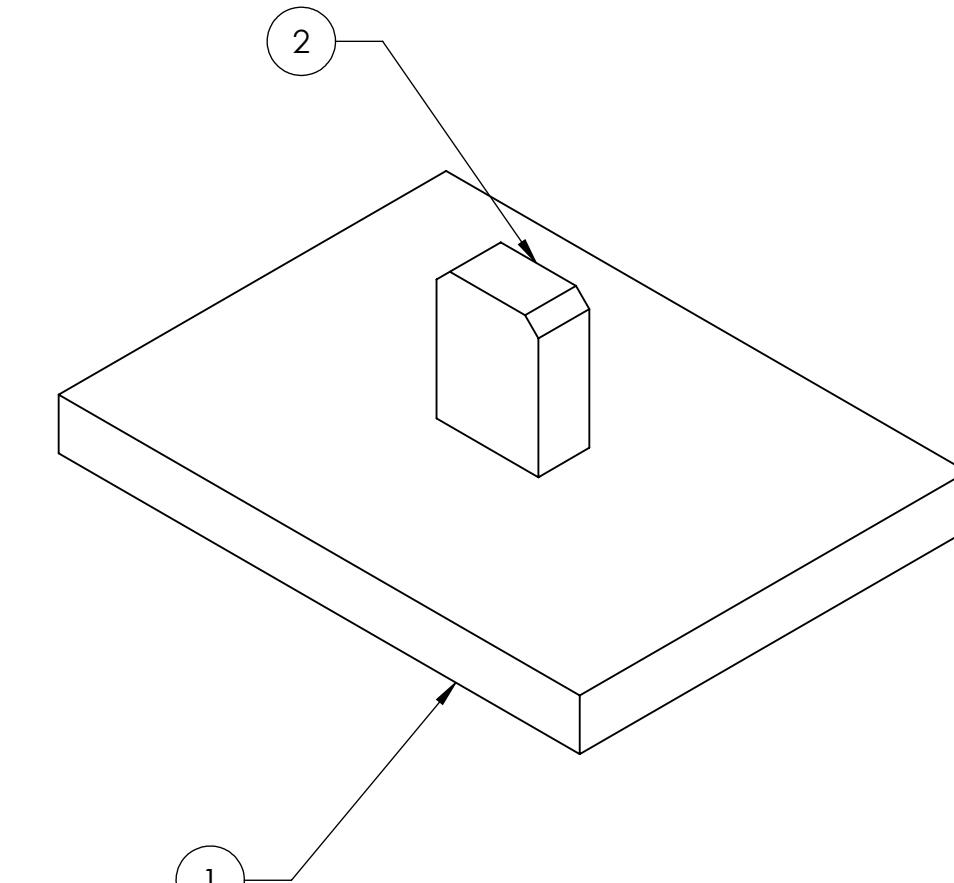
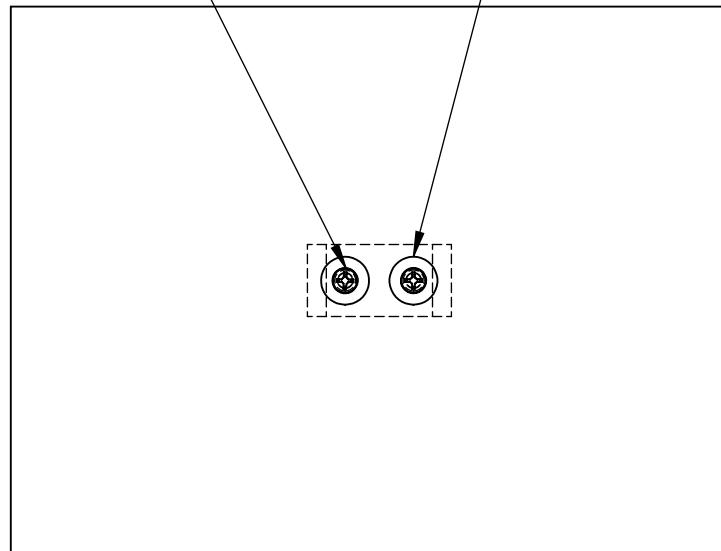
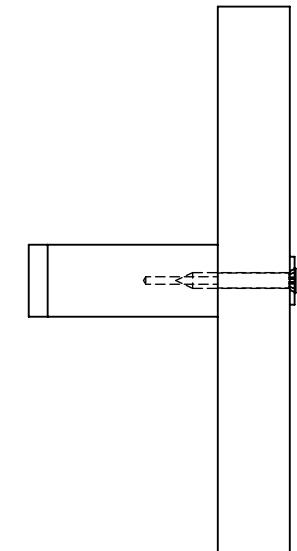
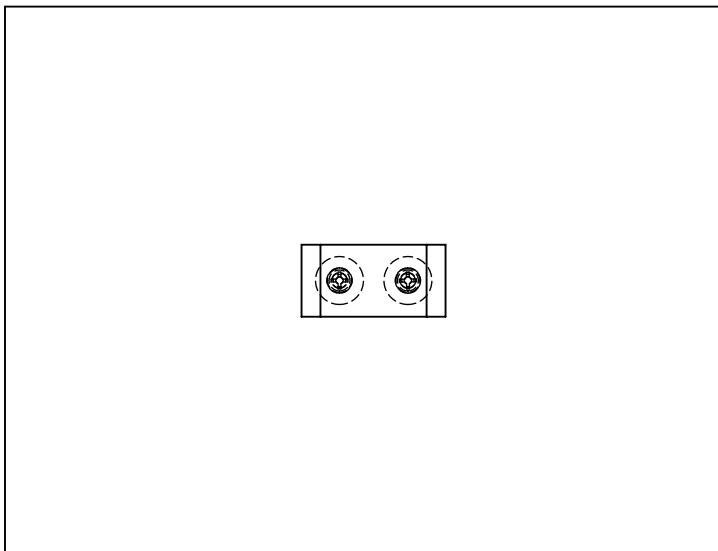
4

3

2

1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4531	BODY, DECODER, AREA3 SCORING PIECE	1
2	JB-P-4500	HANDLE, AREA3 SCORING PIECE	1
3	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	2
4	WASHER	#10 FLAT WASHER	2



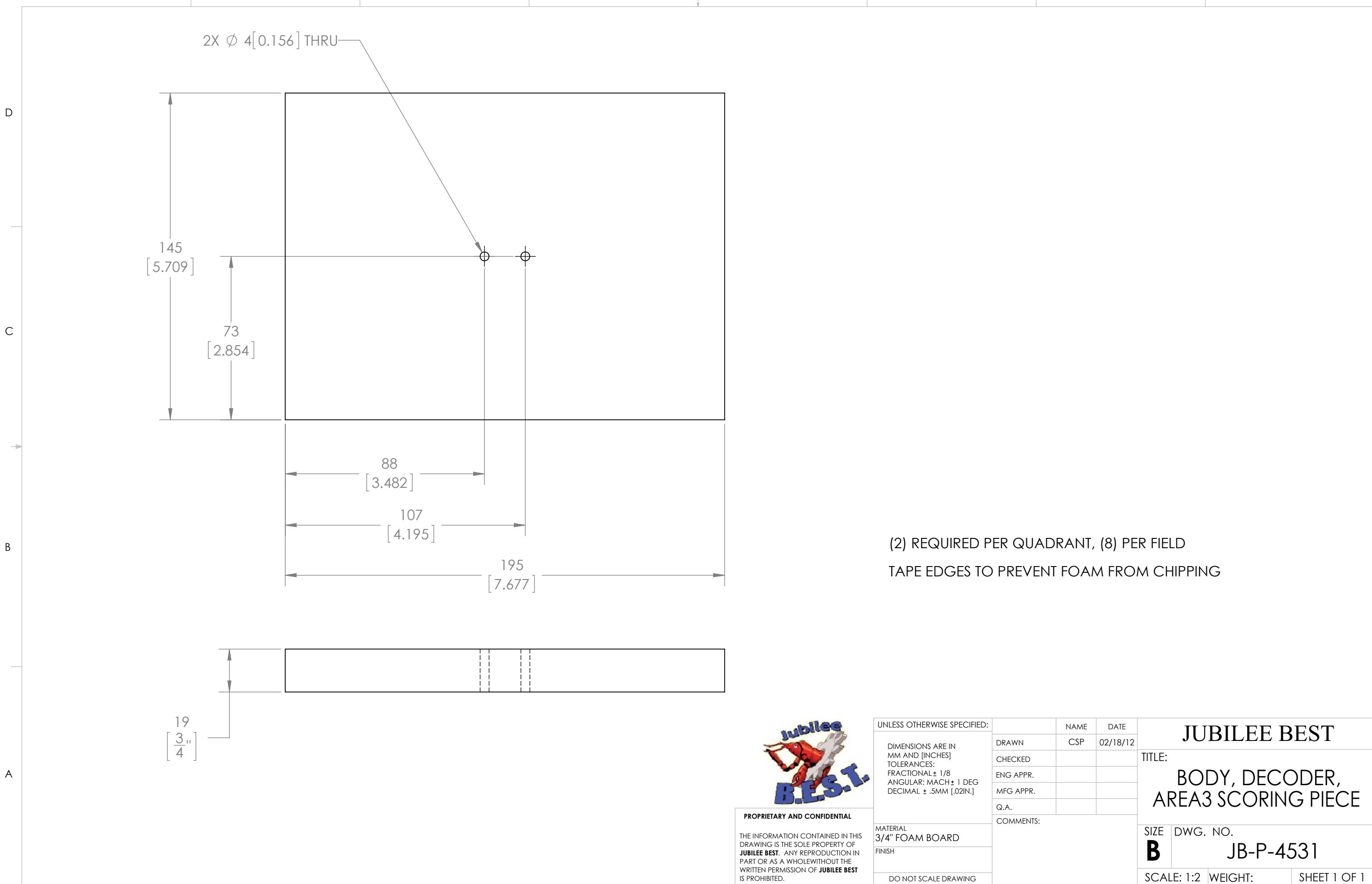
(2) REQUIRED PER QUADRANT, (8) PER FIELD



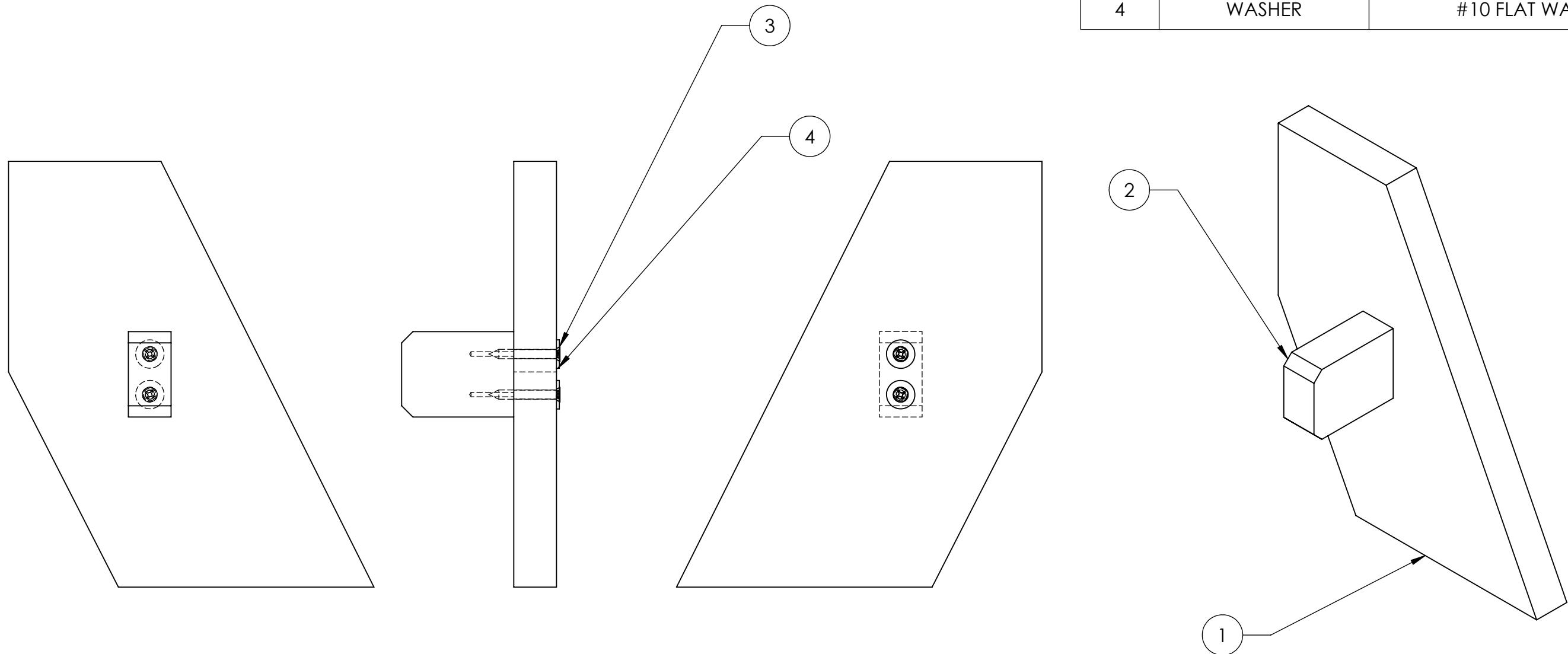
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5$ MM [.02IN.]		DRAWN	CSP	02/18/12	
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.					
MATERIAL		COMMENTS:			
FINISH					
DO NOT SCALE DRAWING					
SIZE	DWG. NO.				A
B	JB-SA-4530				
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1			

8 7 6 5 4 3 2 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-4511	MUX OR ADDER PIECE, SCORING PARTS AREA3	1
2	JB-P-4500	HANDLE, AREA3 SCORING PIECE	1
3	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	2
4	WASHER	#10 FLAT WASHER	2



(1) REQUIRED AS SHOWN PER QUADRANT, (4) PER FIELD - "ADDER"



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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST	
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG DECIMAL $\pm .5$ MM [.02IN.]		DRAWN	CSP	02/18/12	
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.					
MATERIAL		COMMENTS:			
FINISH					
DO NOT SCALE DRAWING					
SIZE	DWG. NO.				
B	JB-SA-4540				
SCALE: 1:2		WEIGHT:	SHEET 1 OF 1		

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1

STENCIL ON "MUX" ON SIDES OF POST THIS AREA

2

STENCIL "ADDER" THIS AREA

5

STENCIL "DECODER" THIS AREA

7

STENCIL "D-LATCH" THIS AREA

4

SECTION A-A
SCALE 1 : 10

A

A

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B

1200
[47.244]

B

195
[7.681]

A

REVISIONS

REV. DESCRIPTION DATE APPROVED

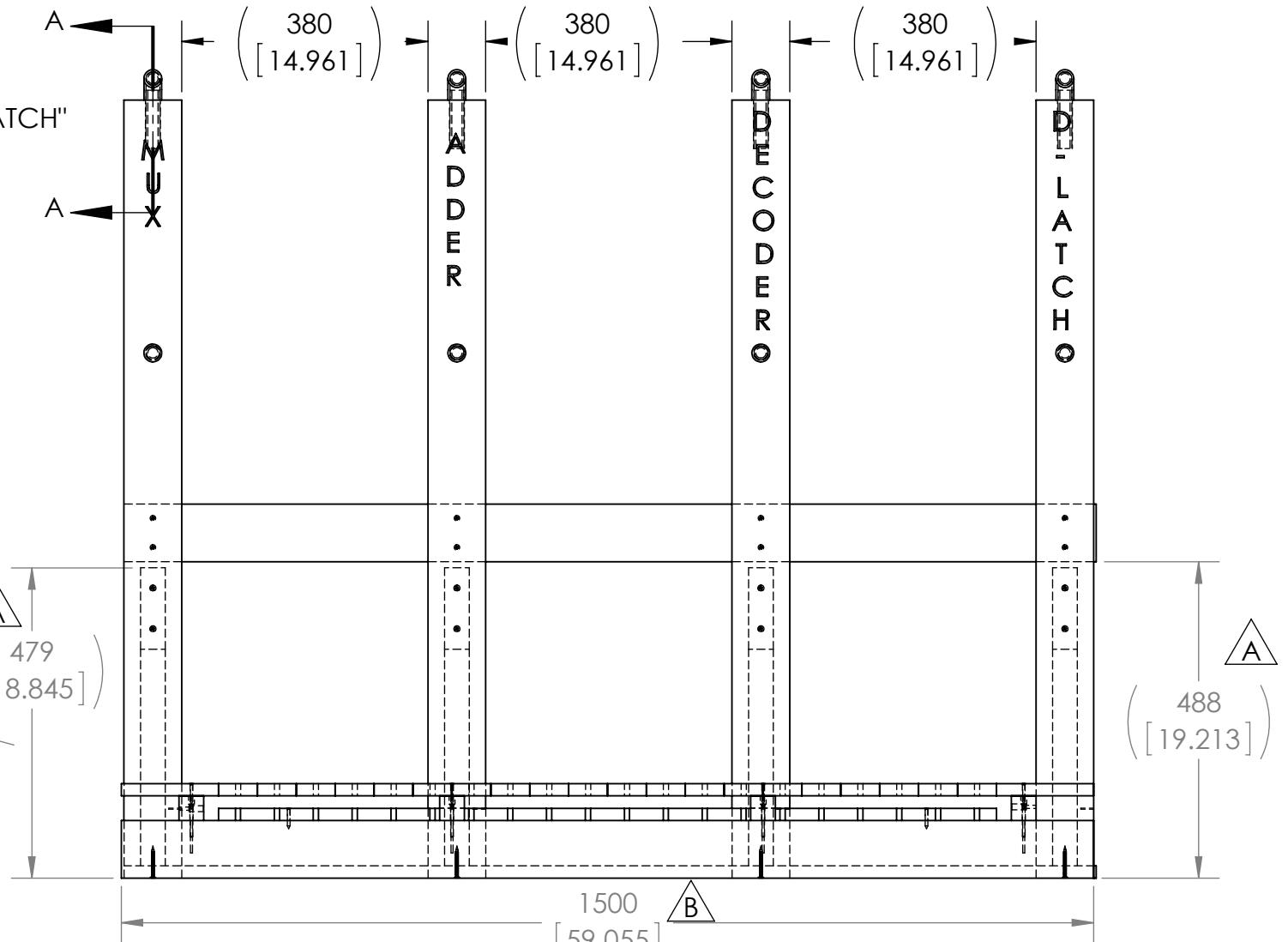
A ADDED REFERENCE DIMENSIONS 7/7/2013

B ADDED DIMENSIONS AND UPDATED BOM FOR DRAWING REVISIONS 7/29/2013



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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-5002	POST, PIVOT, AREA 2 SCORING	4
2	JB-P-5003	POST, HANGER, AREA 2 SCORING	8
3	JB-P-5004	BASE, PHASE 2 SCORING POSTS	1
4	JB-P-5005_RevB	BRACE, POST AREA 2 SCORING	4
5	JB-P-5007	BRACE AREA 2 SCORING POSTS	1
6	SCREW BH 6X2	BUGLE HEAD DRYWALL SCREW #6 - 2"	24
7	JB-P-5008	CAP, HANGER POST, AREA 2 SCORING	8
8	JB-P-5009	PVC 90 ELBOW	4
9	JB-P-5001_RevB	POST, AREA 2 SCORING	4
10	JB-SA-5100_RevD	AREA 2 SCORING, STORAGE PART	1



UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST
DIMENSIONS ARE IN INCHES	DRAWN	CSP	
TOLERANCES:	CHECKED	02/24/13	
FRACTIONAL \pm	ENG APPR.		
ANGULAR: MACH \pm	MFG APPR.		
TWO PLACE DECIMAL \pm	Q.A.		
THREE PLACE DECIMAL \pm	COMMENTS:		
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
NEXT ASSY	USED ON	FINISH	
APPLICATION	DO NOT SCALE DRAWING		

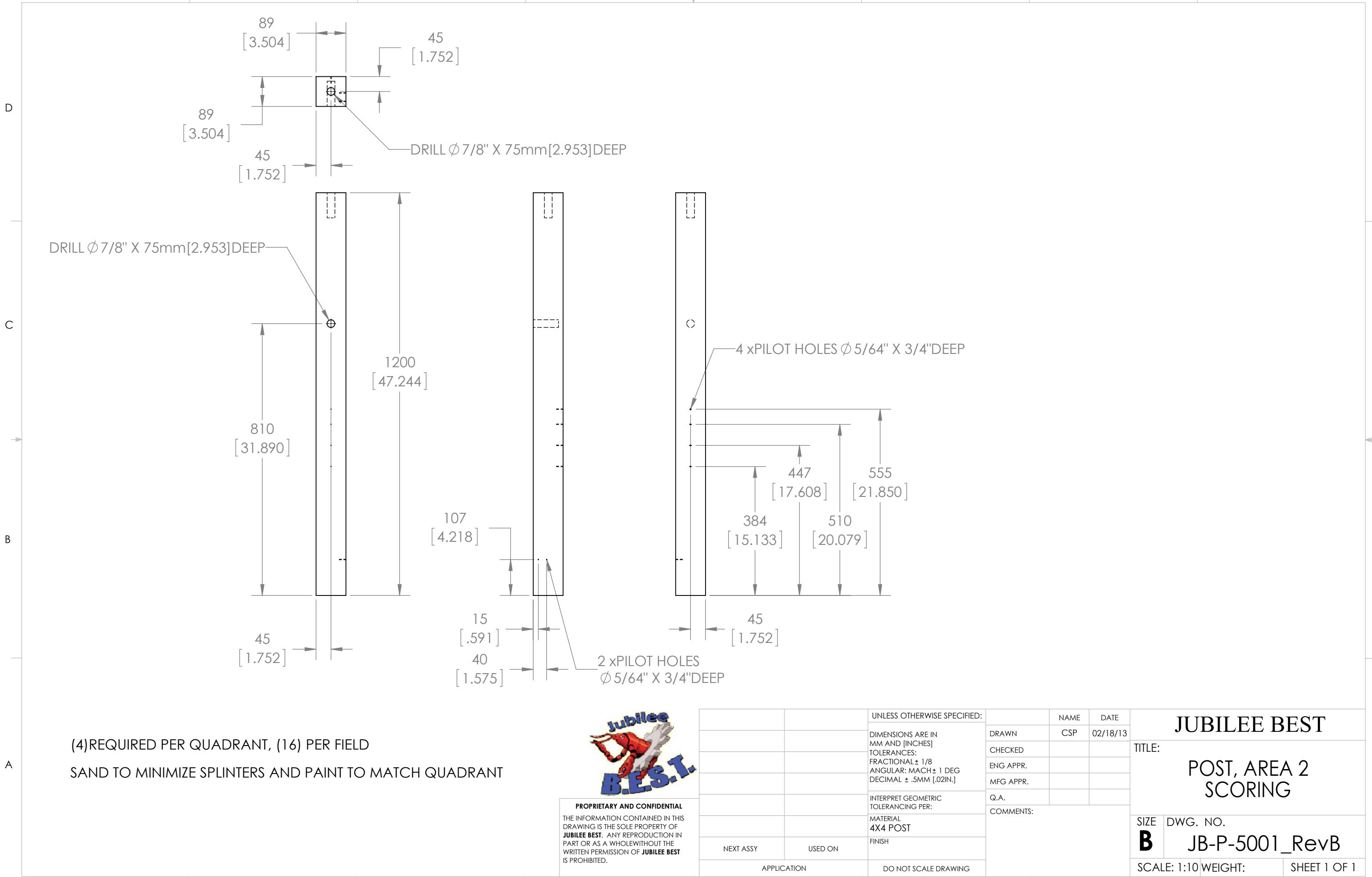
TITLE: JUBILEE BEST

AREA 2 SCORING AREA

SIZE DWG. NO. B JB-SA-5000_RevE

SCALE: 1:50 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1



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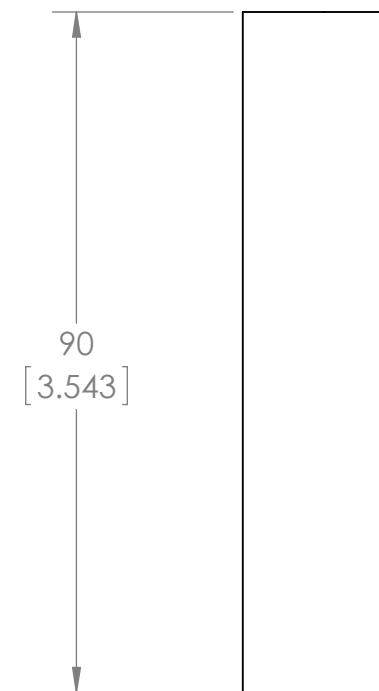
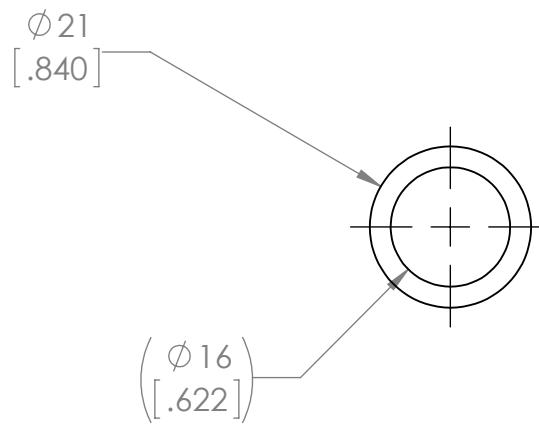
C

B

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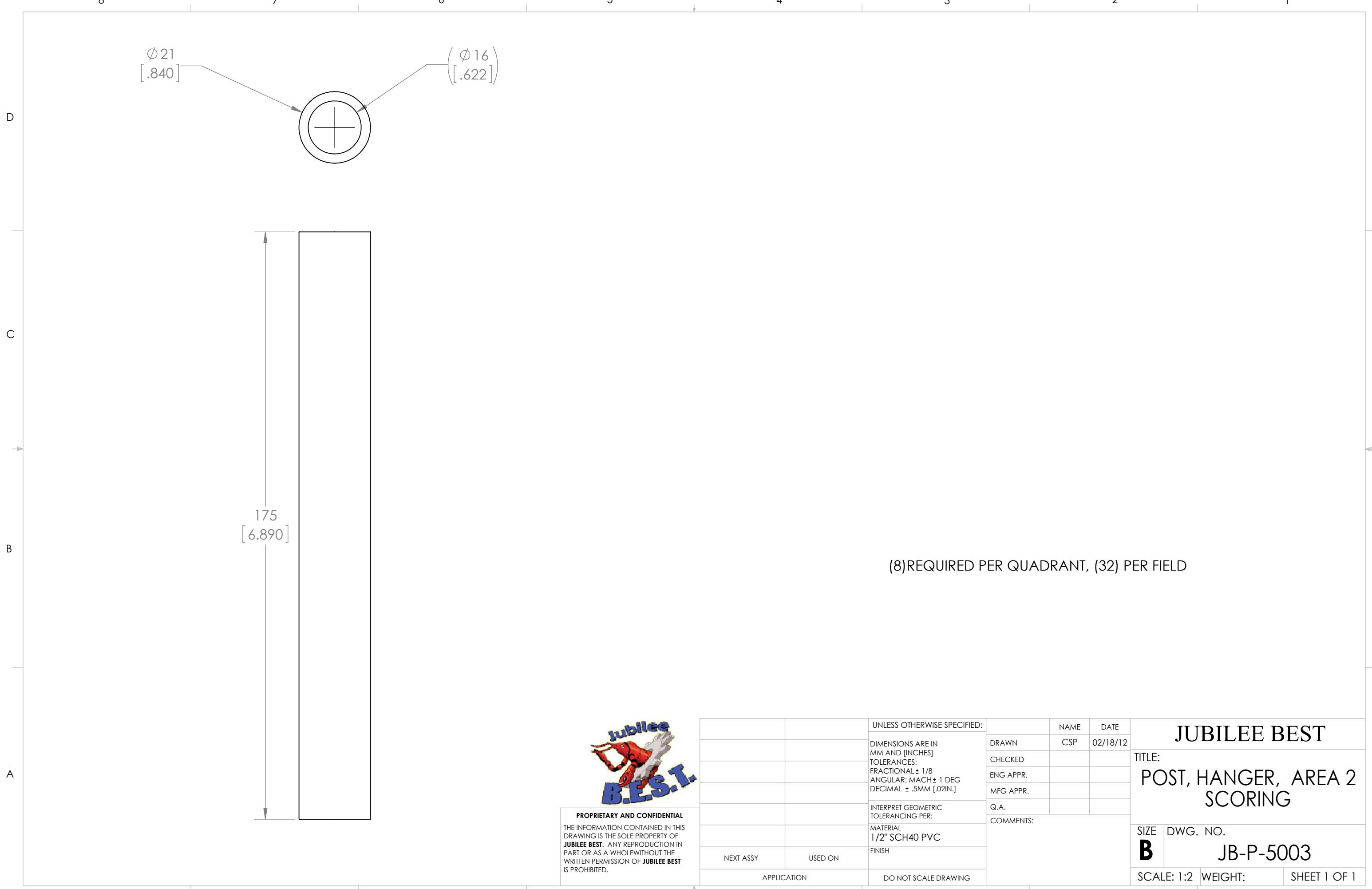
(4)REQUIRED PER QUADRANT, (16) PER FIELD



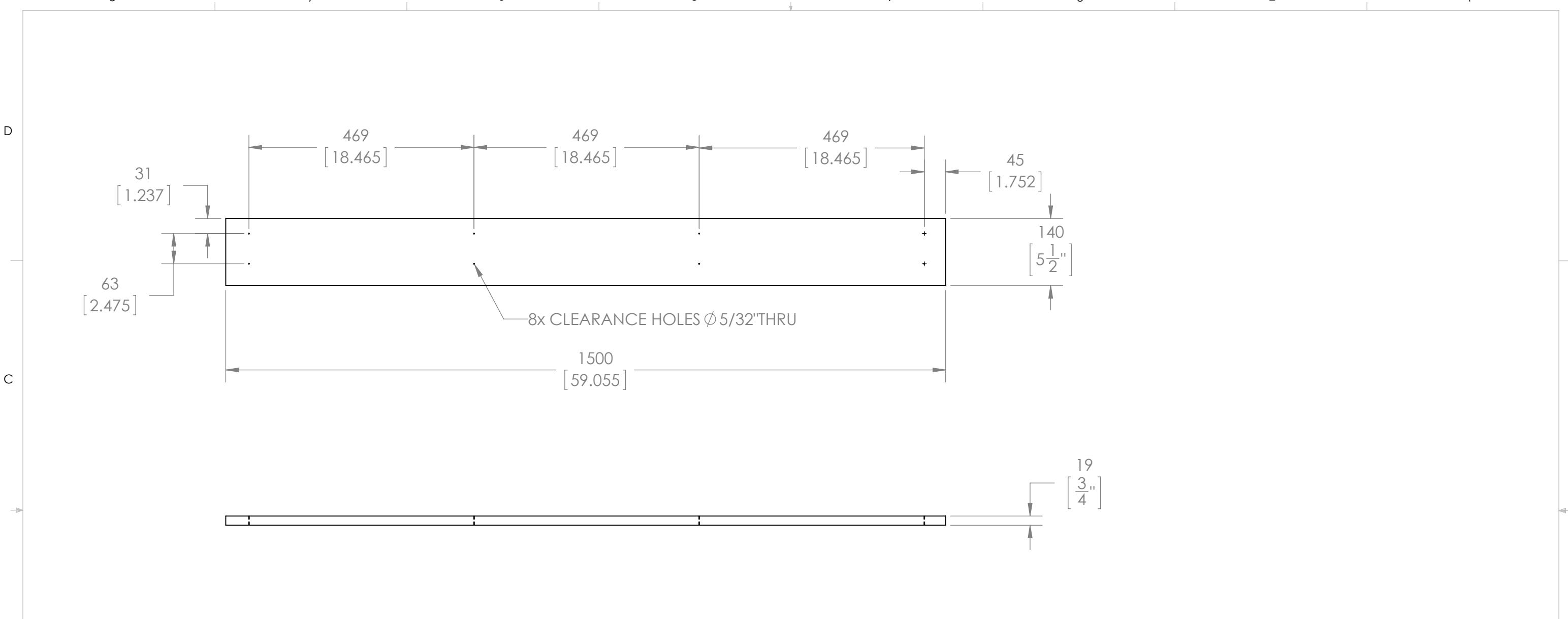
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: POST, PIVOT, AREA 2 SCORING SIZE DWG. NO. B JB-P-5002 SCALE: 1:1 WEIGHT: SHEET 1 OF 1
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/18/12	
		TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG	CHECKED			
		DECIMAL $\pm .5$ MM [.02IN.]	ENG APPR.			
			MFG APPR.			
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			
			COMMENTS:			
		MATERIAL 1/2" SCH40 PVC				
	NEXT ASSY	USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD
SAND TO MINIMIZE SPLINTERS AND PAINT TO MATCH QUADRANT



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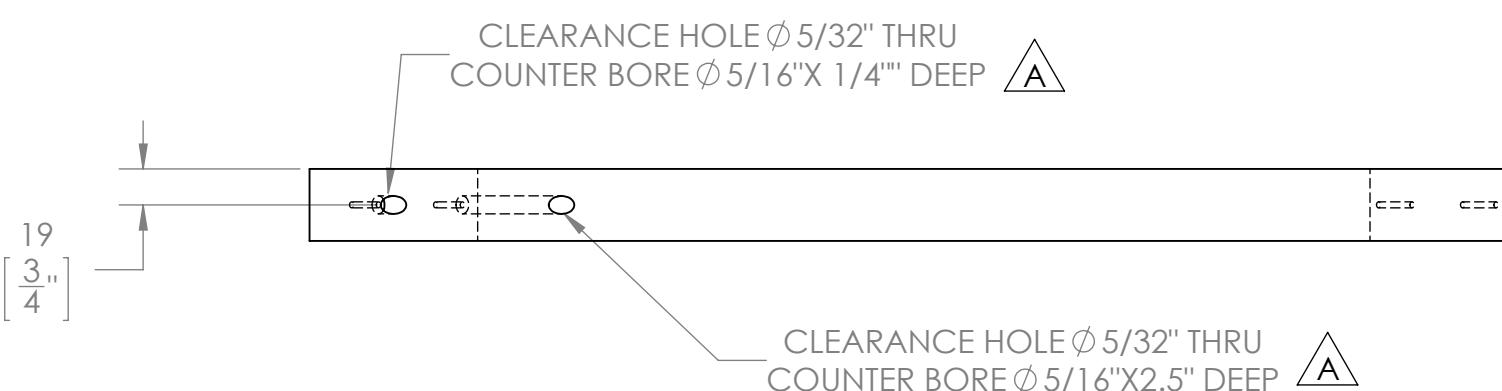
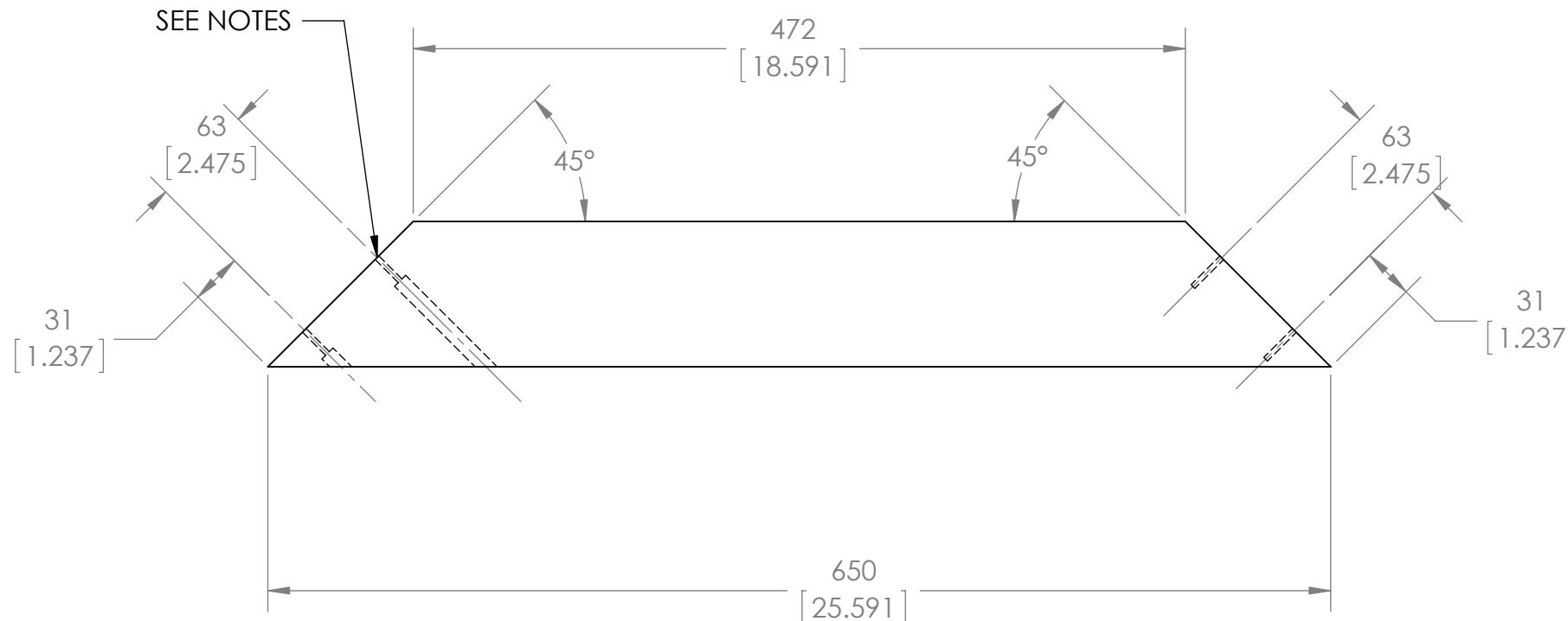
		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: BASE, PHASE 2 SCORING POSTS	
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP		
		TOLERANCES:	CHECKED			
		FRACTIONAL \pm 1/8	ENG APPR.			
		ANGULAR: MACH \pm 1 DEG	MFG APPR.			
		DECIMAL \pm .5MM [.02IN.]	Q.A.			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
		MATERIAL				
		1X6 PINE				
NEXT ASSY		USED ON	FINISH			
		APPLICATION	DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	CHANGED DIAMETER OF COUNTER BORE TO 5/16"	7/24/2013	



(4) REQUIRED PER QUADRANT, (16) PER FIELD

SAND TO MINIMIZE SPLINTERS
PAINT TO MATCH QUADRANT

DRILL THRU FROM FLAT FACE, COUNTER BORE
USING PILOT AS GUIDE



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST TITLE: BRACE, POST AREA 2 SCORING SIZE DWG. NO. B JB-P-5005_RevB SCALE: 1:5 WEIGHT: SHEET 1 OF 1
DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/24/13			
TOLERANCES: FRACTIONAL $\pm 1/8$	CHECKED					
ANGULAR: MACH ± 1 DEG	ENG APPR.					
DECIMAL $\pm .5$ MM [.02IN.]	MFG APPR.					
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.					
MATERIAL 2X4 PINE	COMMENTS:					
NEXT ASSY	USED ON	FINISH				
	APPLICATION	DO NOT SCALE DRAWING				

8 7 6 5 4 3 2 1

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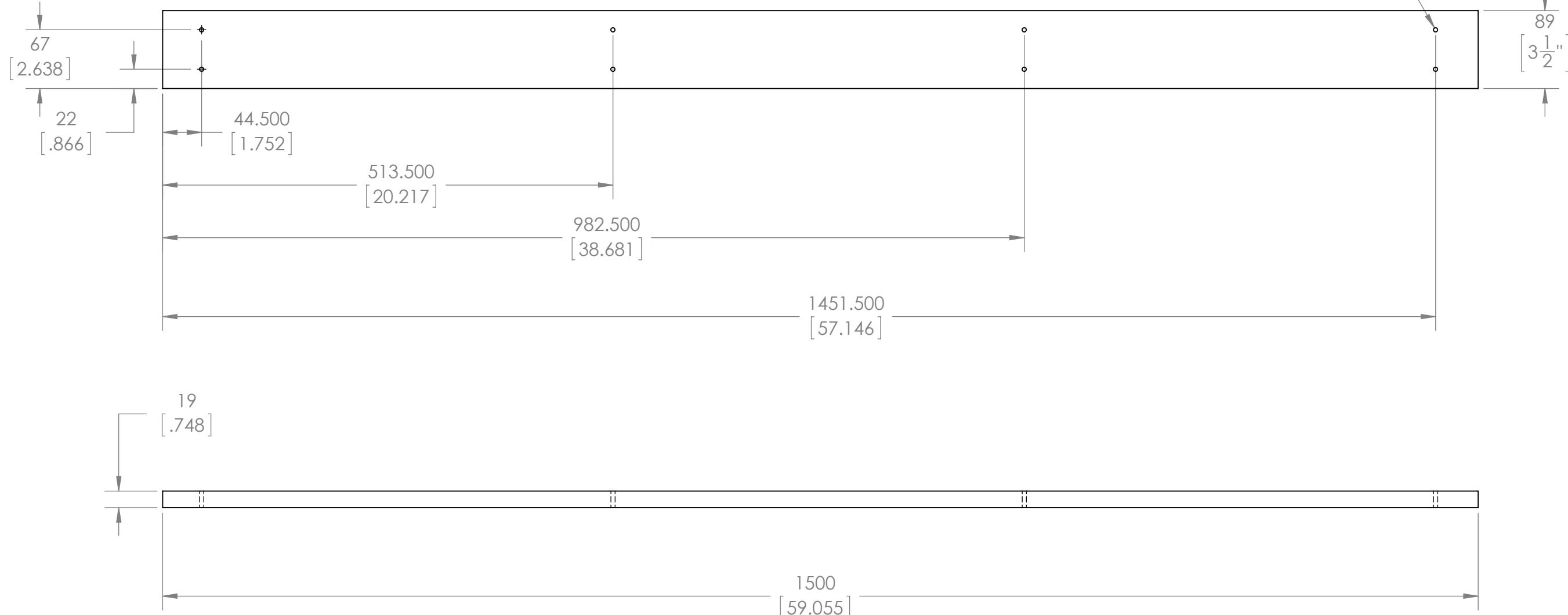
3

2

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8xCLEARANCE HOLES ϕ 5/32" THRU

(1) REQUIRED PER QUADRANT,(4) PER FIELD

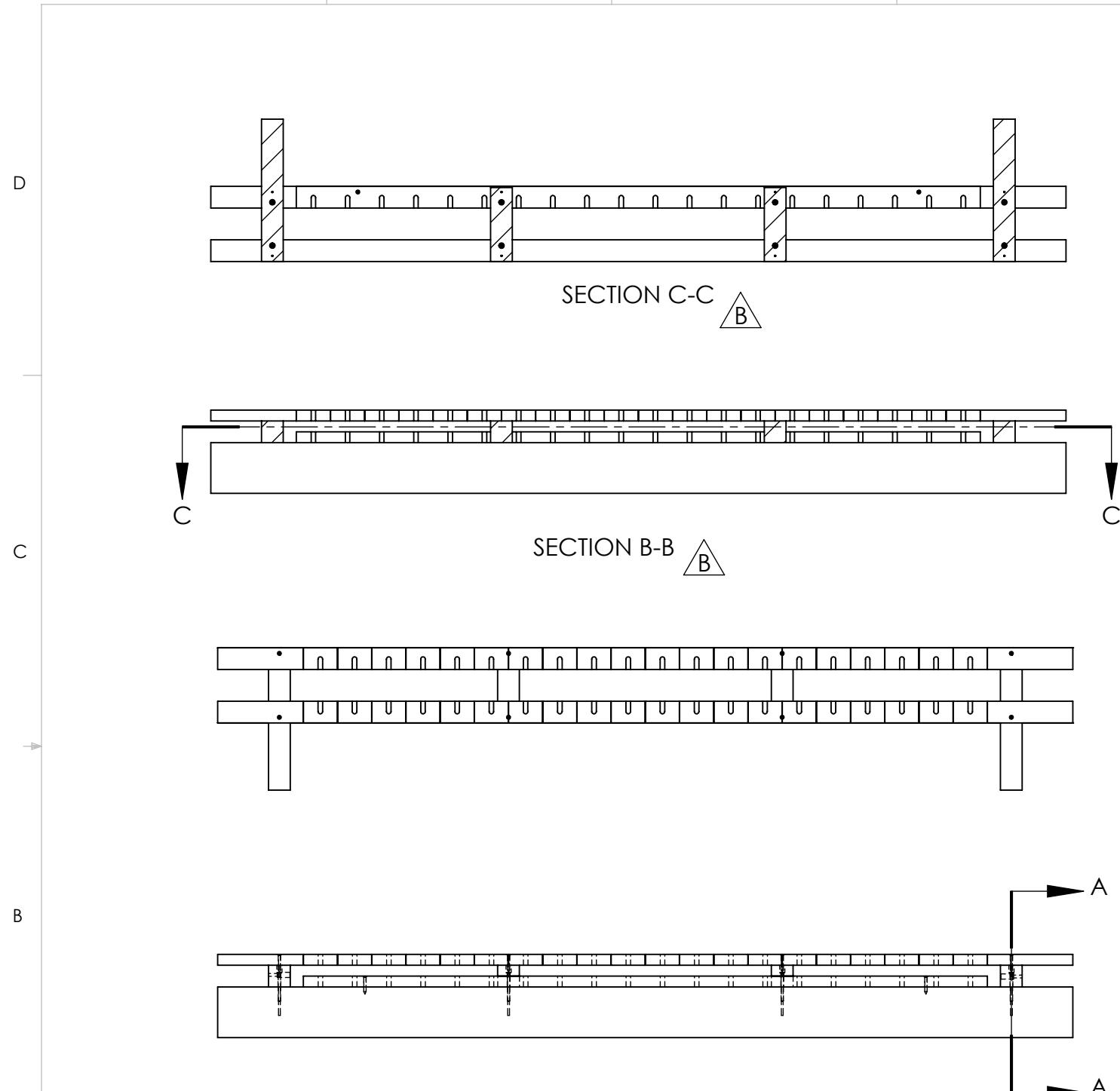
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	JUBILEE BEST
		DIMENSIONS ARE IN MM AND [INCHES]	DRAWN	CSP	02/24/13	
		TOLERANCES: FRACTIONAL \pm 1/8 ANGULAR: MACH \pm 1 DEG DECIMAL \pm .5MM [.02IN.]	CHECKED			
			ENG APPR.			
			MFG APPR.			
			Q.A.			
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:			
		MATERIAL 1X4 PINE				
	NEXT ASSY	USED ON	FINISH			
	APPLICATION		DO NOT SCALE DRAWING			
SIZE	DWG. NO.					
B	JB-P-5007					
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1				

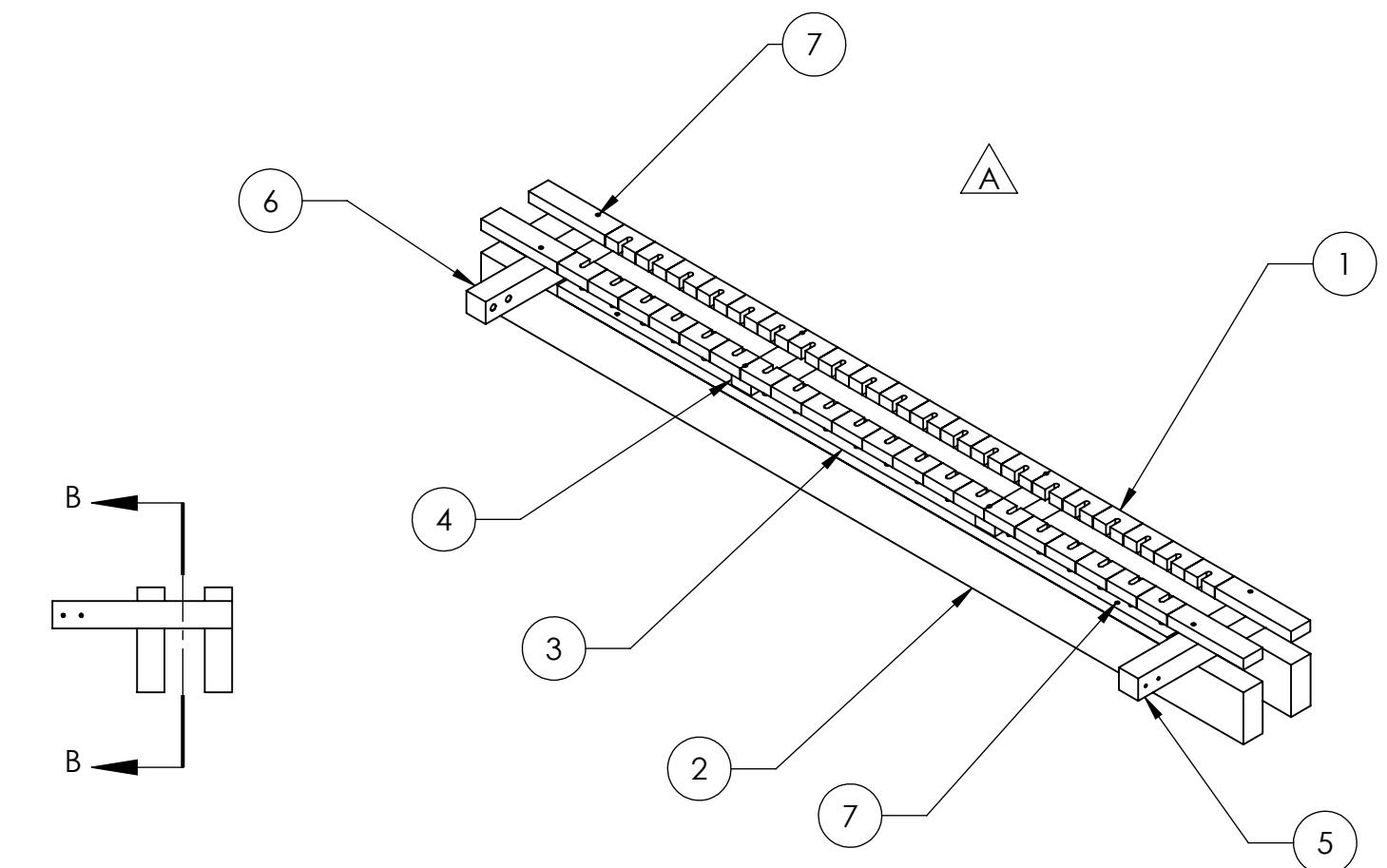
8 7 6 5 4 3 2 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	JB-P-5101_RevC	TOP RACK, AREA 2 PART STORAGE	2
2	JB-P-5104_RevC	BASE, AREA 2, PARTS STORAGE	2
3	JB-P-5105_RevB	LOWER GUIDE, AREA 2 PART STORAGE	1
4	JB-P-5106_RevB	SPACER, AREA 2 PARTS STORAGE	2
5	JB-P-5107_RevB	SPACER, AREA 2 PART STORAGE	1
6	JB-P-5108_RevB	SPACER, AREA 2 PART STORAGE	1
7	SELF-TAPPING SCREW	#8 X 1-5/8" DRYWALL SCREW COARSE THREAD	10
8	SELF-TAPPING SCREW	#8 X 2.00" DRYWALL SCREW COARSE THREAD	8

(1) ASSEMBLY REQUIRED PER QUADRANT, (4) PER FIELD

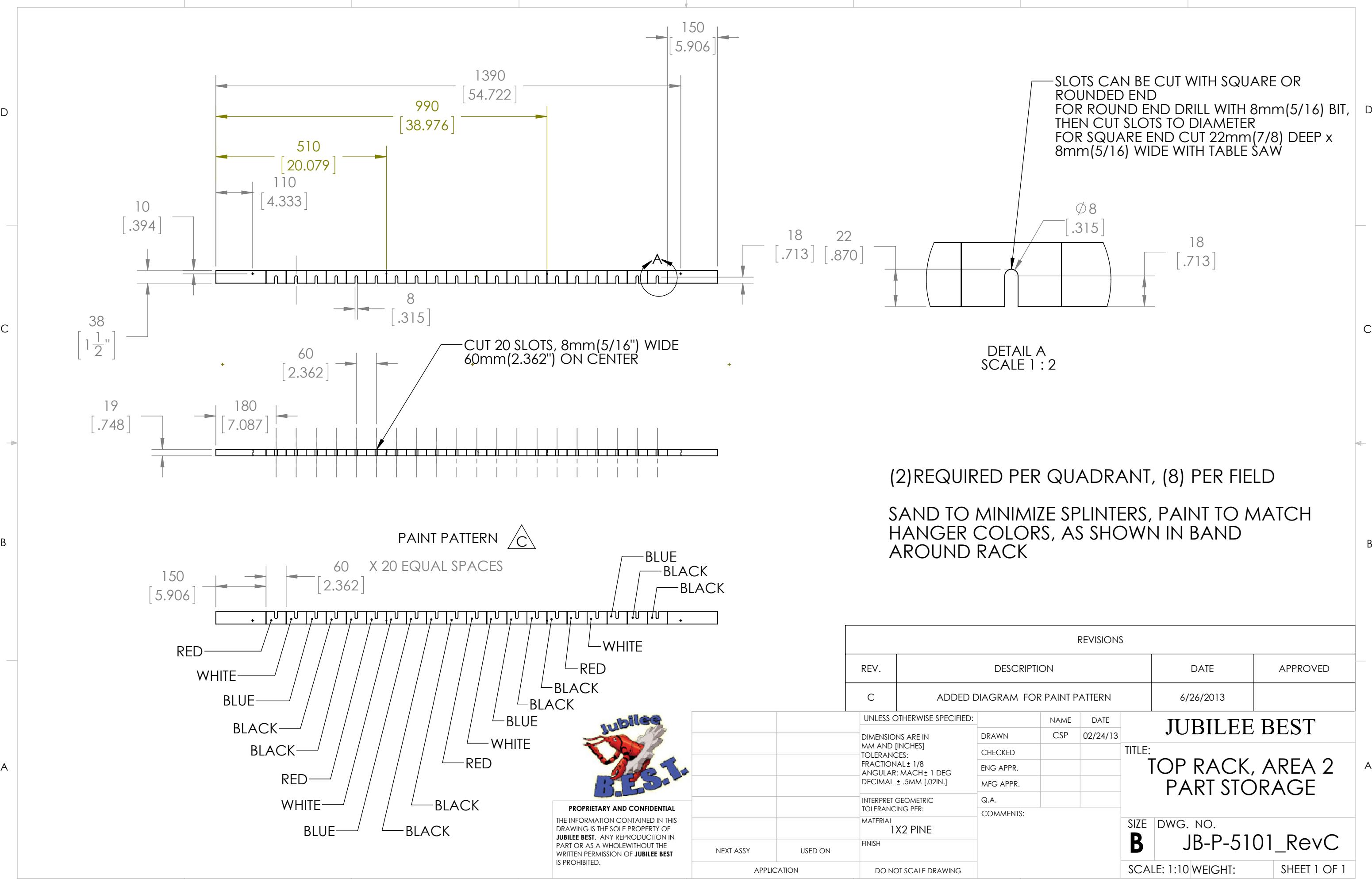
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADJUSTED THE BOM POINTERS FOR CLARITY	7/7/2013	
B	ADDED "B" AND "C" SECTIONS	7/16/2013	



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UNLESS OTHERWISE SPECIFIED:	NAME	DATE	JUBILEE BEST TITLE: AREA 2 SCORING, PART STORAGE SIZE DWG. NO. B JB-SA-5100_RevD SCALE: 1:10 WEIGHT: SHEET 1 OF 1
DIMENSIONS ARE IN MM AND [INCHES]	CSP	02/18/12	
TOLERANCES: FRACTIONAL $\pm 1/8$			
ANGULAR: MACH ± 1 DEG			
DECIMAL $\pm .5MM [.02IN.]$			
MATERIAL			
FINISH			
DO NOT SCALE DRAWING			

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

D

D

C

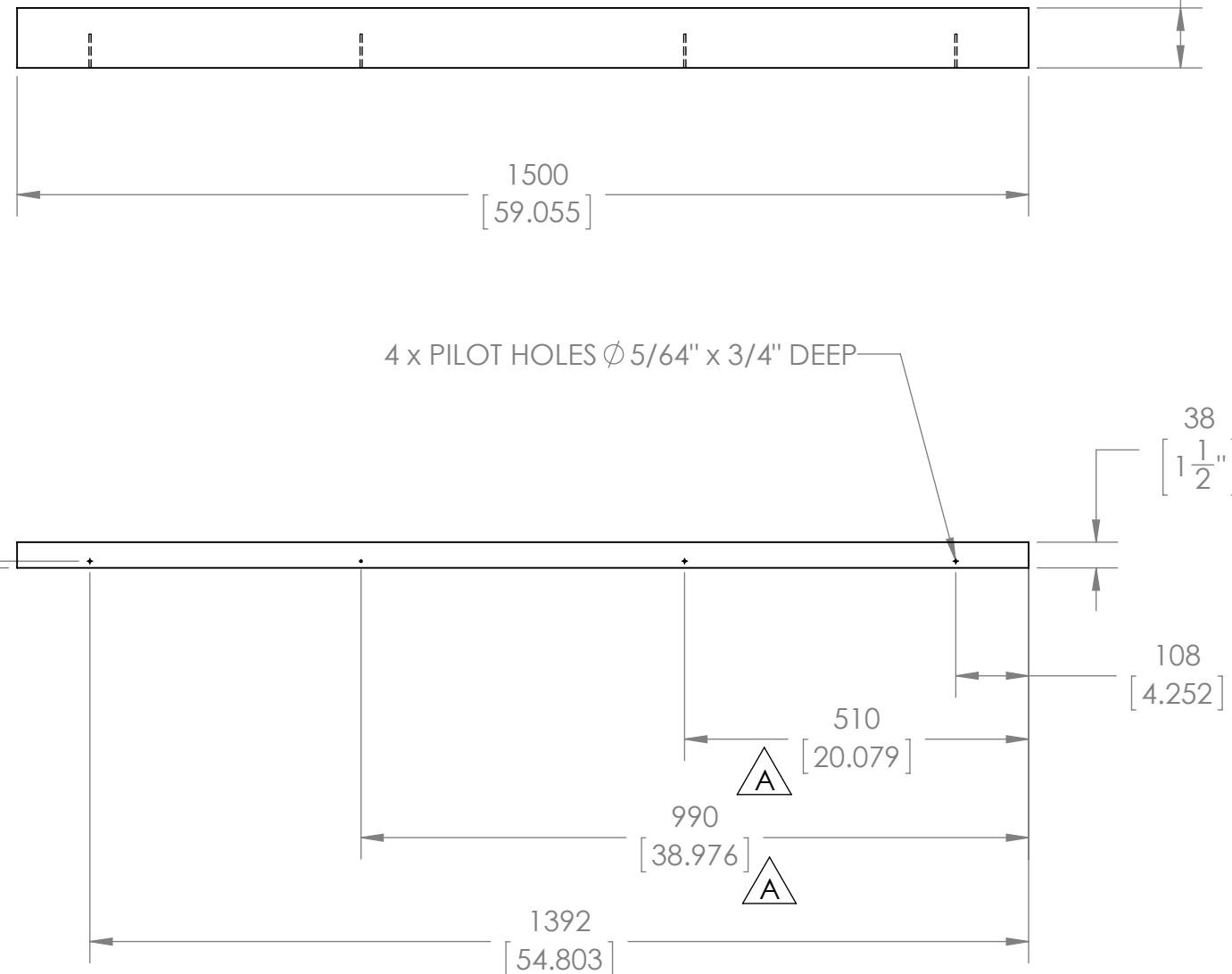
C

B

B

A

A



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	ADDED PILOT HOLE TO MATCH SPACER	7/16/2013	

UNLESS OTHERWISE SPECIFIED: DRAWN BY CSP DATE 02/24/13
DIMENSIONS ARE IN MM AND [INCHES] TOLERANCES:
FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 1 DEG
DECIMAL $\pm .5MM$ [.02IN.]
INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL 2X4 PINE
NEXT ASSY USED ON FINISH
APPLICATION DO NOT SCALE DRAWING
COMMENTS:

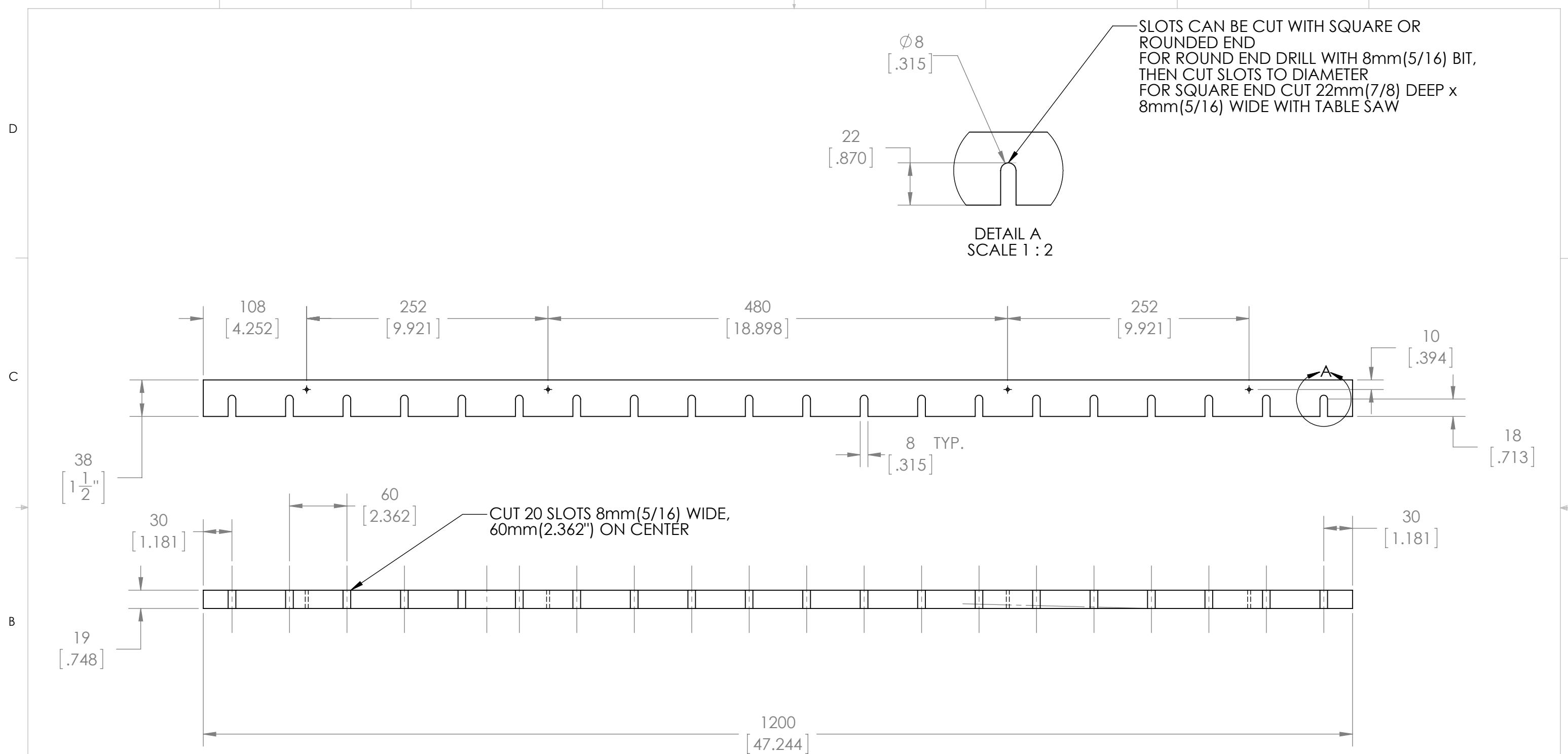
JUBILEE BEST

TITLE:
BASE, AREA 2,
PARTS STORAGE

SIZE DWG. NO.
B JB-P-5104_RevC
SCALE: 1:10 WEIGHT: SHEET 1 OF 1

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH
QUADRANT

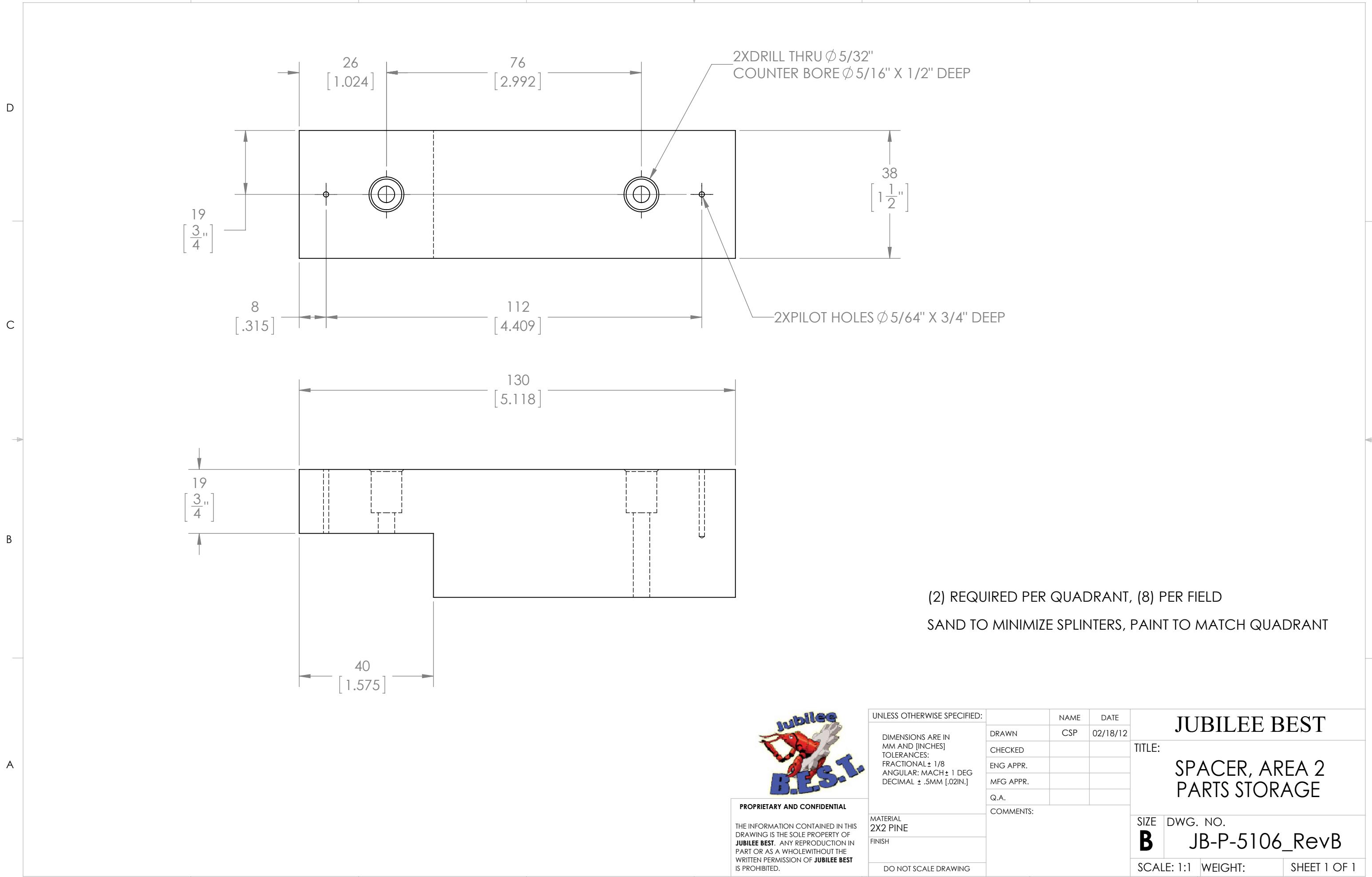


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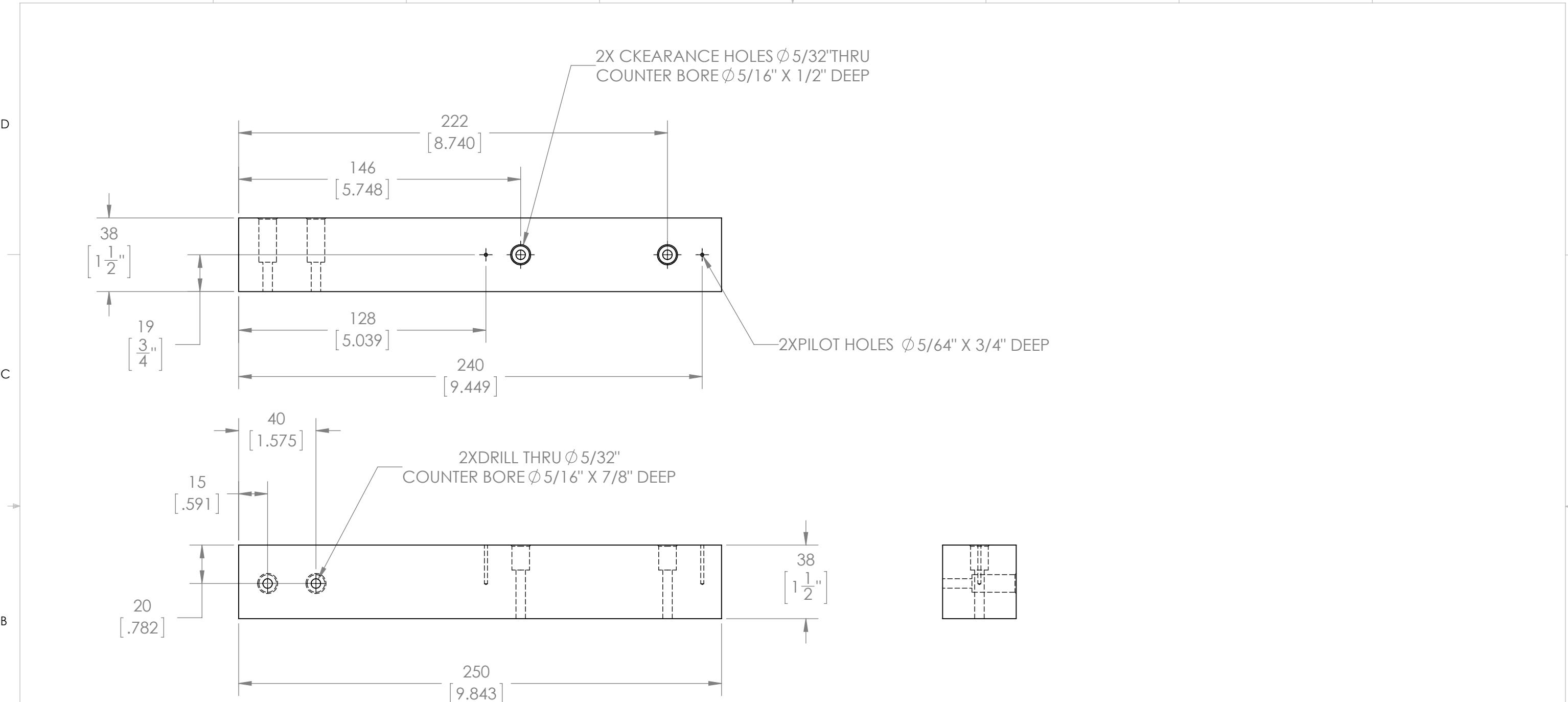
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JUBILEE BEST		
TITLE: LOWER GUIDE, AREA 2 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-5105_RevB	
SCALE: 1:10 WEIGHT: SHEET 1 OF 1		
UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	02/18/12
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	1X2 PINE	
FINISH		
DO NOT SCALE DRAWING		

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD
SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT

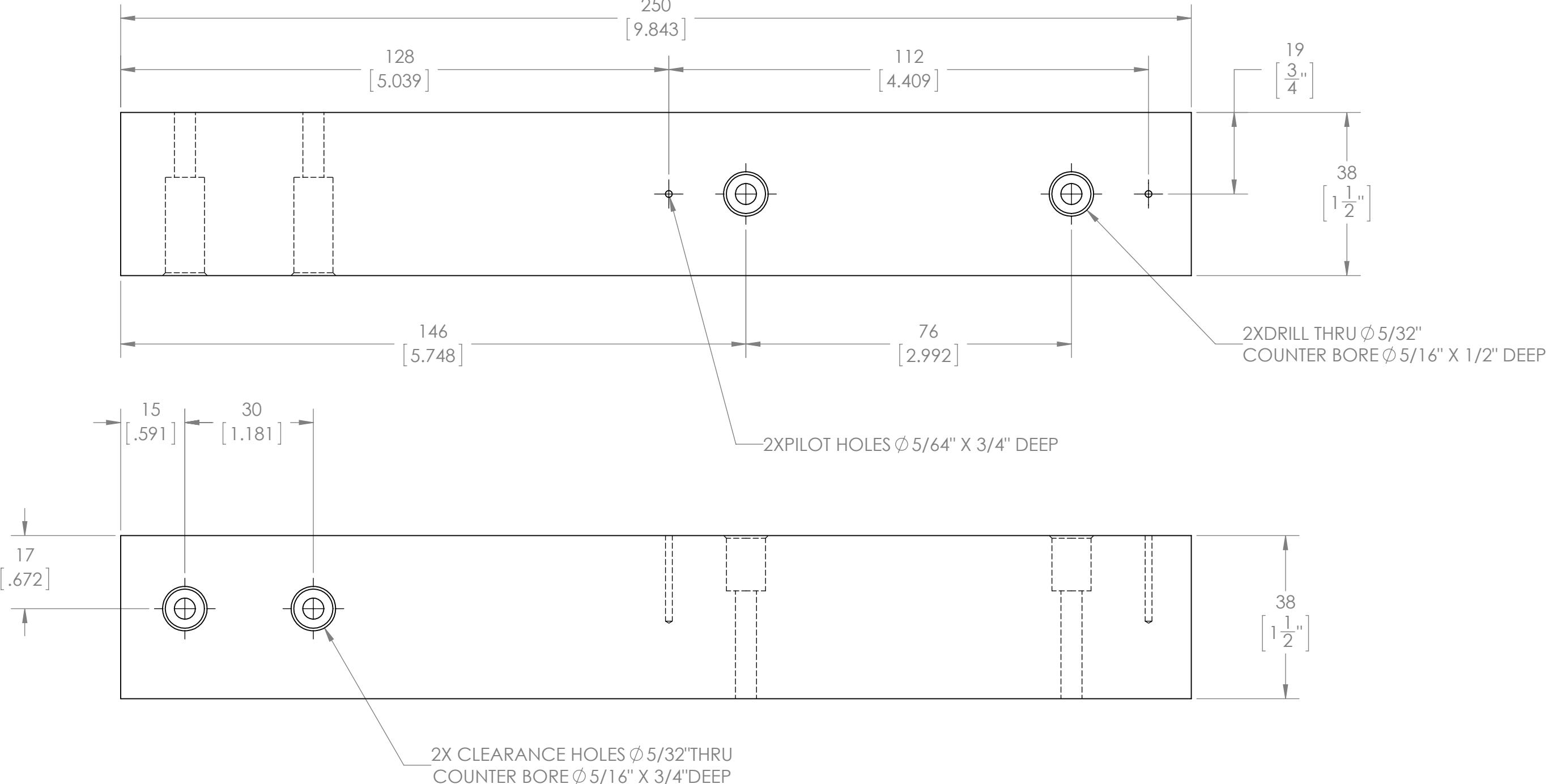


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JUBILEE BEST		
TITLE: SPACER, AREA 2 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-5107_RevB	
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	02/18/12
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	2X2 PINE	
FINISH		
DO NOT SCALE DRAWING		

8 7 6 5 4 3 2 1



(1) REQUIRED PER QUADRANT, (4) PER FIELD

SAND TO MINIMIZE SPLINTERS, PAINT TO MATCH QUADRANT



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JUBILEE BEST		
TITLE: SPACER, AREA 2 PART STORAGE		
SIZE	DWG. NO.	
B	JB-P-5108_RevB	
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DRAWN	CSP	02/18/12
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		
MATERIAL	2X2 PINE	
FINISH		
DO NOT SCALE DRAWING		