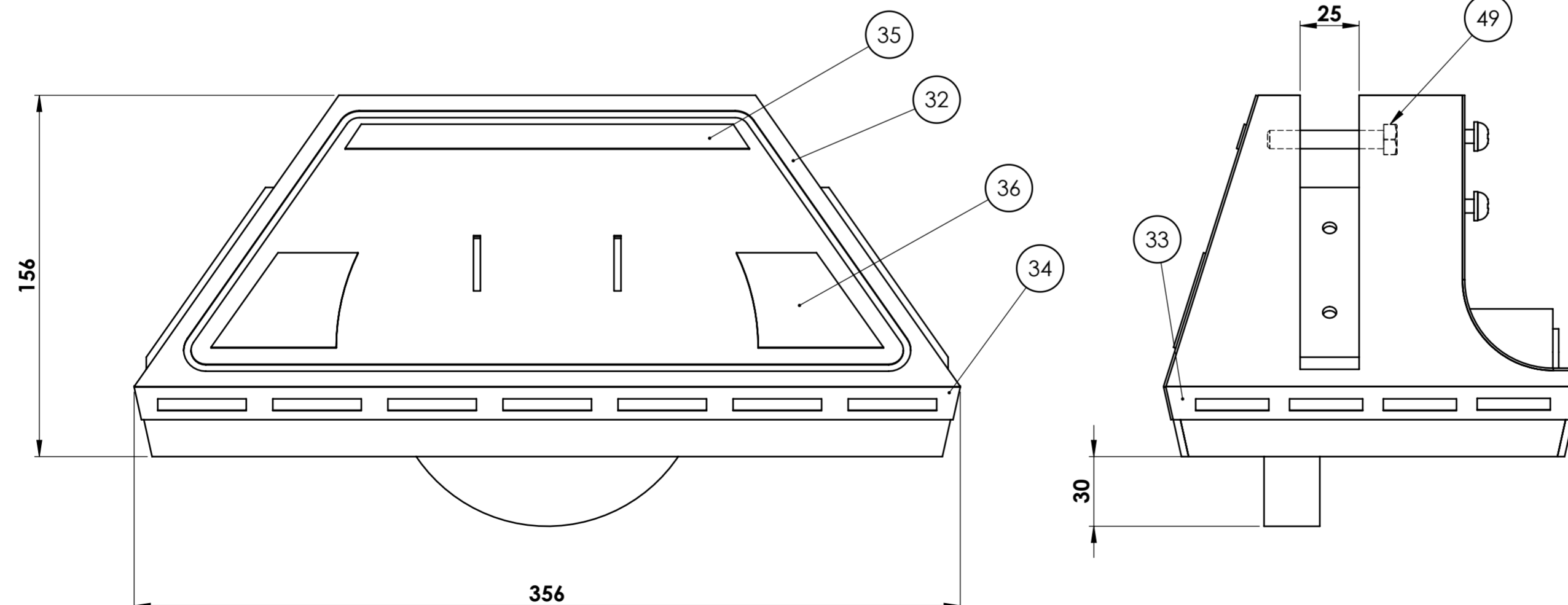
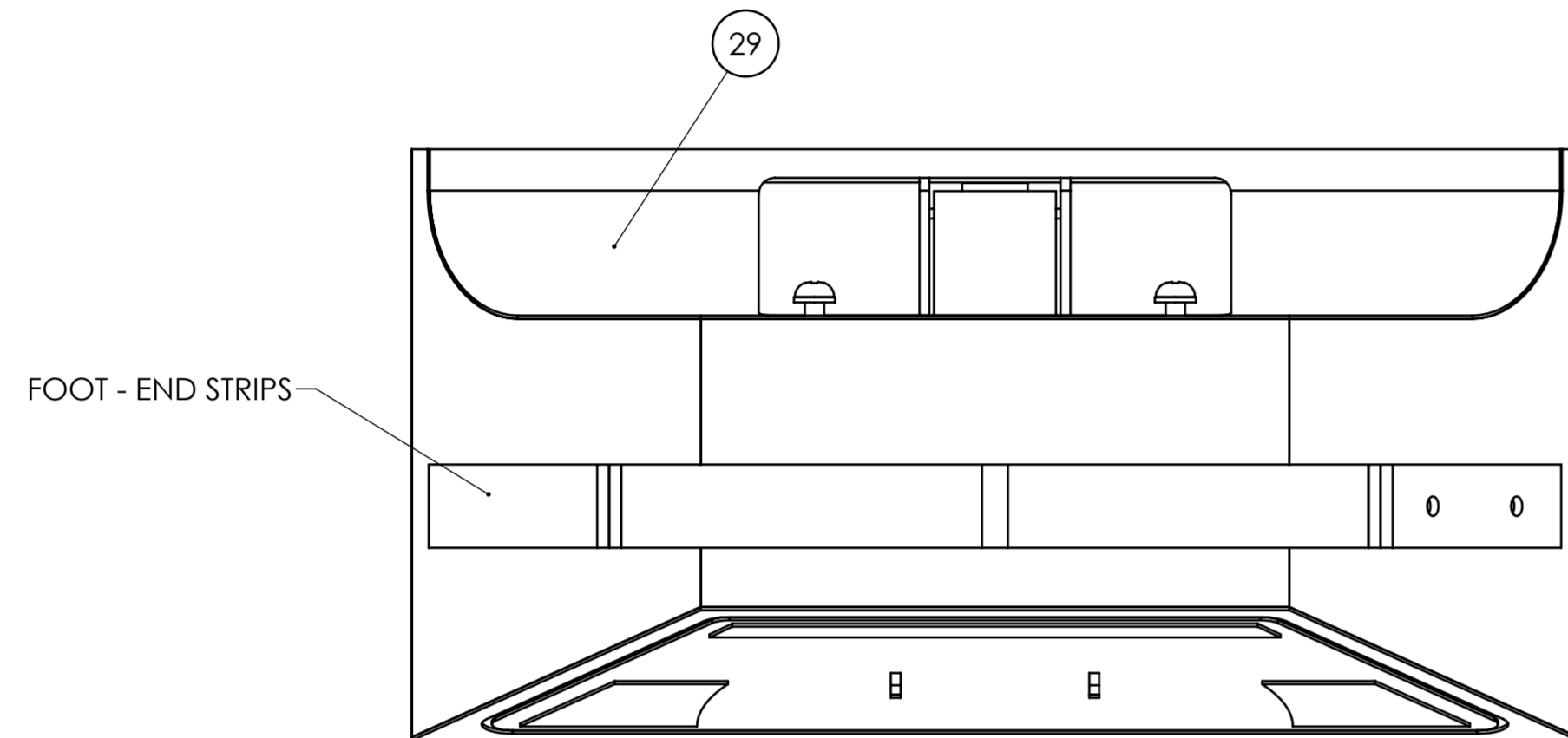


NOTE
 - EXCEPT FOR THE FOOT END STRIPS
 THE FEET ARE NOT HANDED
 (R.H. FOOT DETAILS SHOWN)

- NEED TO HAVE A FINISHED LEG
 BEFORE STARTING ! (AT LEAST 1)

-ANKLE BOLT IS NOT USED FOR CLAMPING
 ITS INTENDED ONLY AS A PIN, DO NOT
 OVERTIGHTEN !

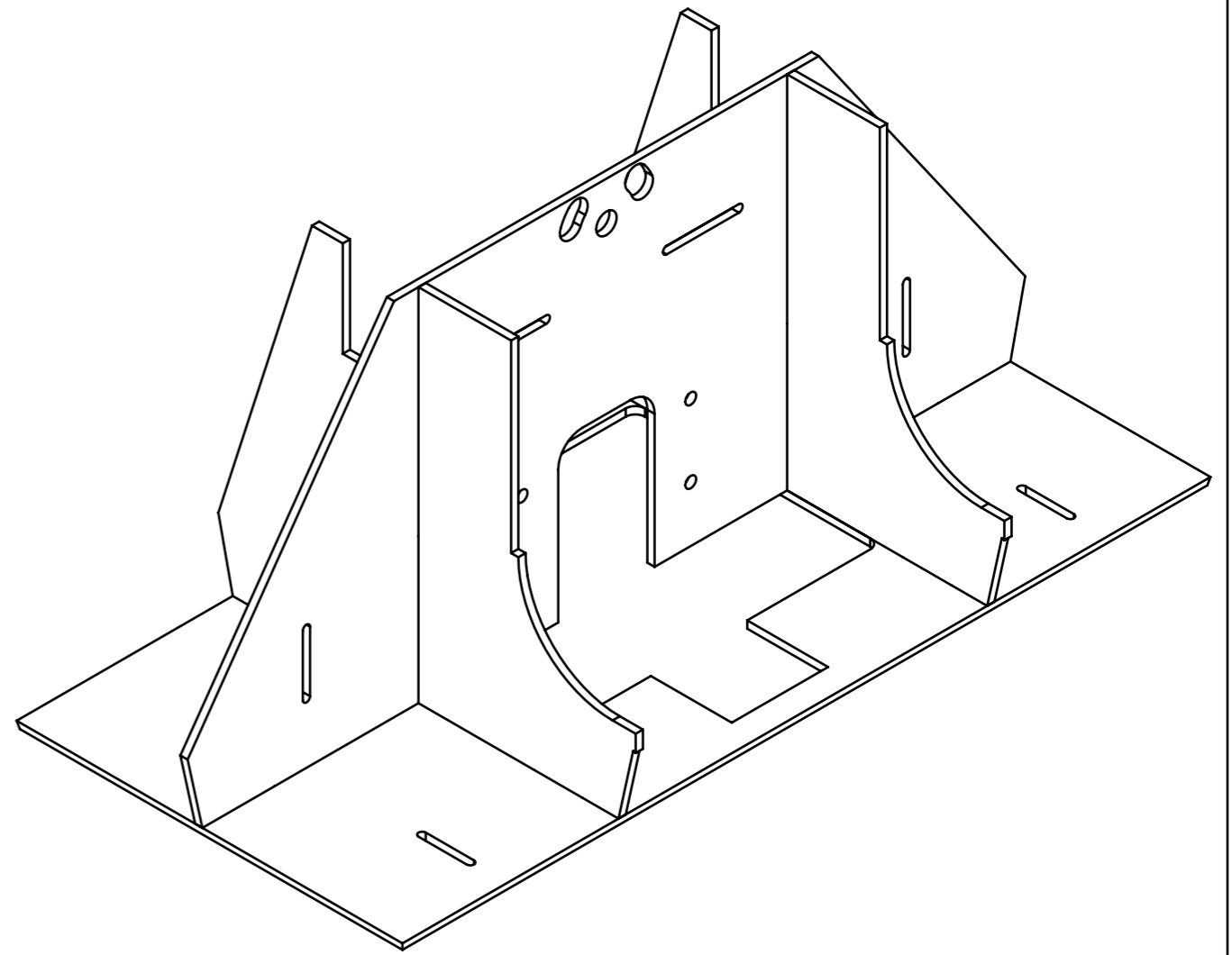
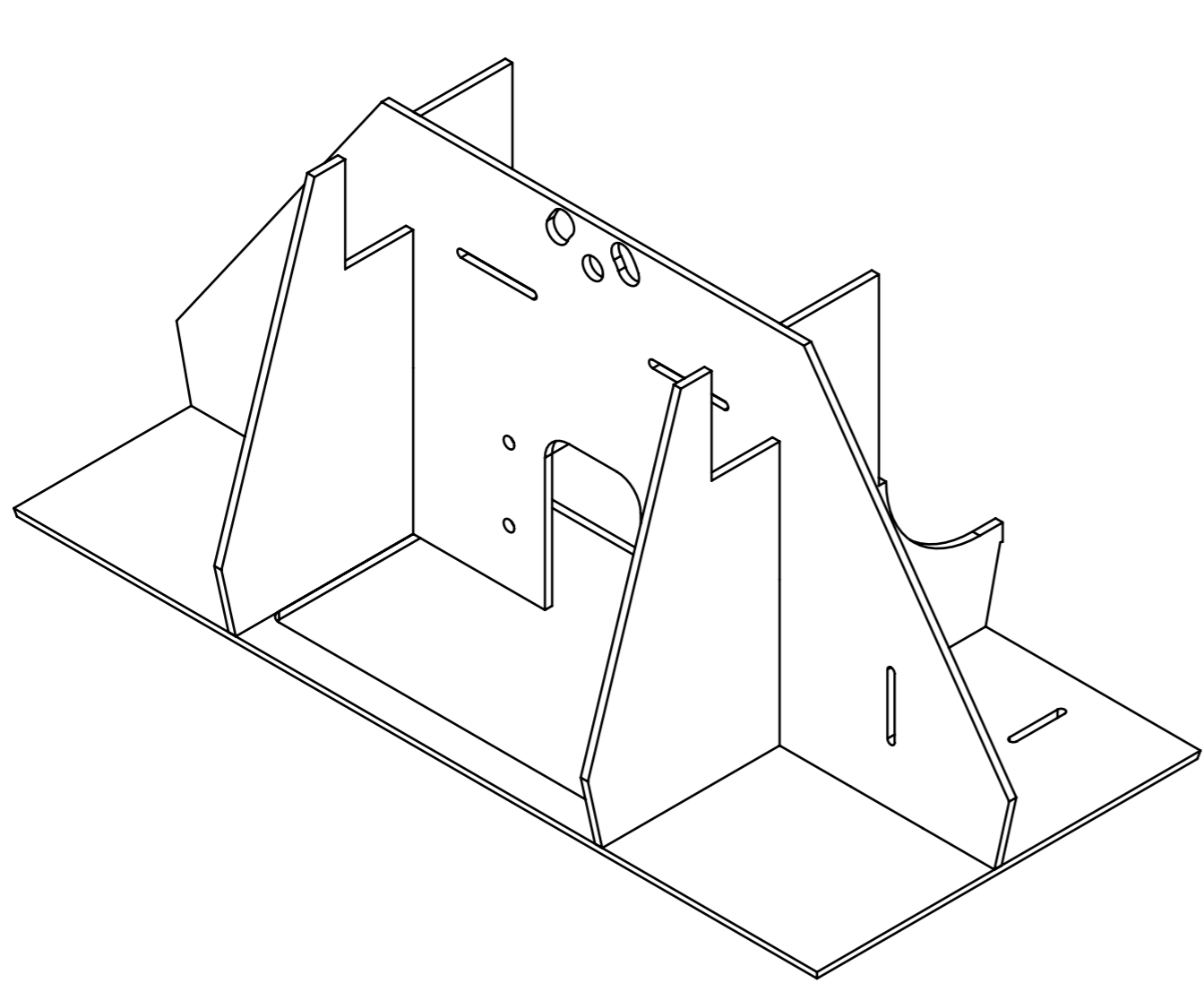


ITEM	DESCRIPTION	THK	QTY.
1	FOOT - ANKLE SIDE	3	1
2	FOOT - ANKLE SIDE - SHORT	3	1
3	FOOR - ANKLE BOTTOM	3	1
4	FOOT - MAIN RIB	3	1
5	FOOT - VERTICAL RIB	3	2
6	FOOT - VERTICAL RIB - CURVED	3	2
7	FOOT - VERTICAL RIB - TRIMMED	3	2
8	FOOT - MOTOR STIFFING PL	3	1
9	FOOT - BASE	3	1
10	FOOR - OUTER TOP	3	1
11	FOOT - INNER TOP	3	1
12	FOOT - MOTOR PL	3	2
13	FOOT - BACK	3	1
14	FOOR - OUTER FACE	3	1
15	FOOT - SKIRT OUTER	3	2
16	FOOT - SKIRT FRONT	3	2
17	FOOT - INNER	3	1
18	FOOT - END	3	1
19	FOOT - END	3	1
20	FOOT - END STRIPS - HOLES	3	1
21	FOOT - END STRIPS	3	1
22	FOOT - MOTOR SUPPORT RIB	3	1
23	FOOT - ANKLE SIDE - BB - SIDE	3	1
24	FOOT - NUT HOLDER	3	4
25	FOOT - NUT STOP	3	2
26	FOOT - M8 NUT HOLDER	3	3
27			38
28	SKINS		
29	FOOR - BATTERY SKIN	1	1
30	FOOT - M8 NUT HOLDER COVER	1	1
31	DETAIL 1mm PARTS		
32	FOOT - OUTER SKIN	1	1
33	FOOT - SKIRT FRONT SKIN	1	2
34	FOOT - SKIRT OUTER SKIN	1	2
35	FOOT - SIDE STRIP	1	1
36	FOOT - SIDE DETAIL	1	2
37			
38	FASTENERS AND BITS		
39	Hex Head Set Screw M4 x 20		4
40	M4 PLAIN WASHER ZINC		8
41	Nyloc Nut M4		4
42	Machine Screw Phillips CSK Head M3 x 10		3
43	Jaycar Motor 50kgcm - CAT. NO. YG2738		1
44	DFROBOT WHEEL		1
45	Hex Nut Plain M8		1
46	M6 PLAIN WASHER 304		4
47	Machine Screw Phillips Pan Head M6 x 25		4
48	Hex Nut Plain M6		4
49	Hex Bolt M8 x 50		1
50	M8 PLAIN WASHER 304		1

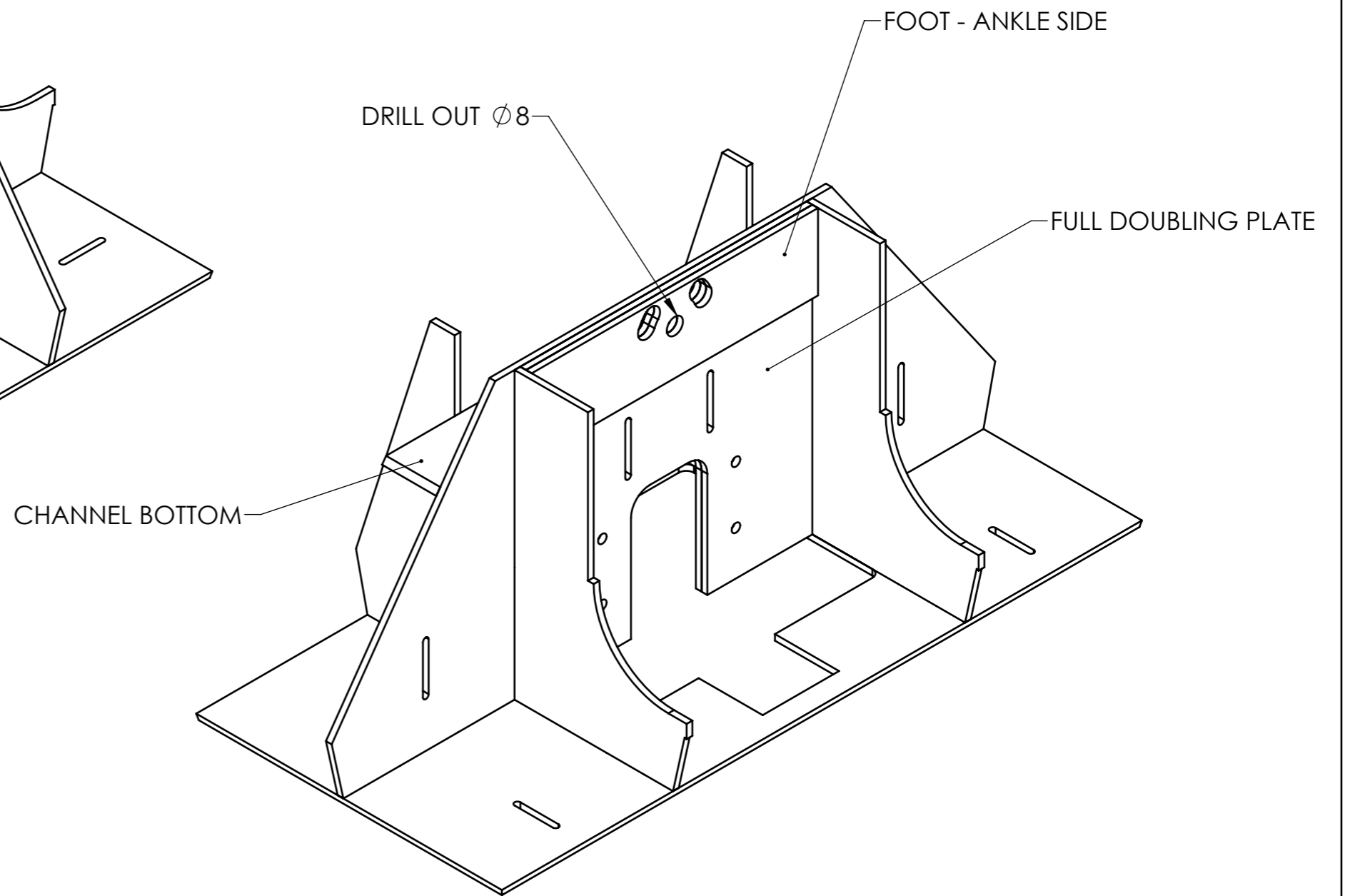
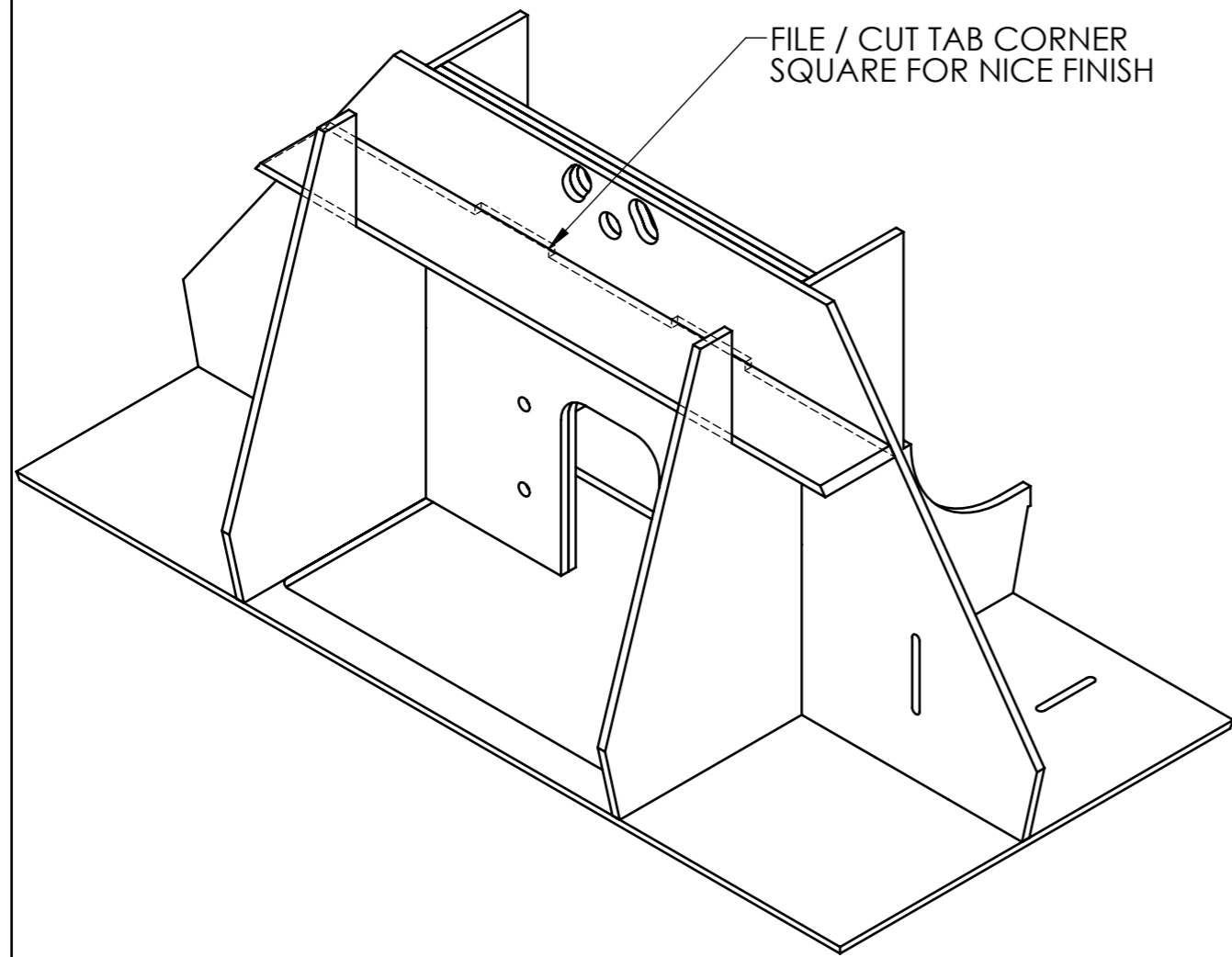
IT IS ADVISED TO CUT 1mm PARTS OVERSIZED
 AND TRIM BACK AFTER GLUE HAS SET
 EXCEPT THE "SIDE DETAIL" PARTS

SUGGESTED RC MOTOR CONTROLLER
 FROM:-
 DIMENSION ENGINEERING
 1off MODEL 2x12RC

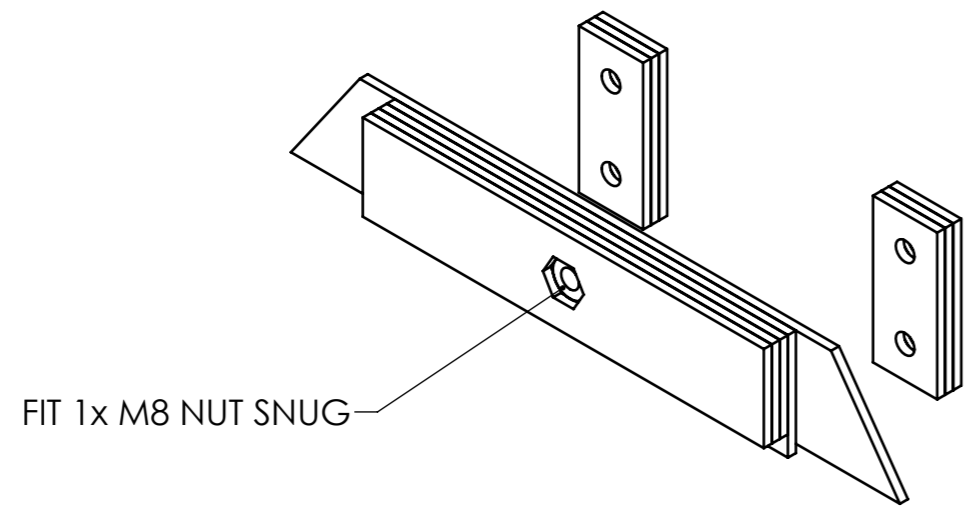
There instructions are only a guide.
 There are many version of "R2" style units
 Builder ultimately responsible for there build



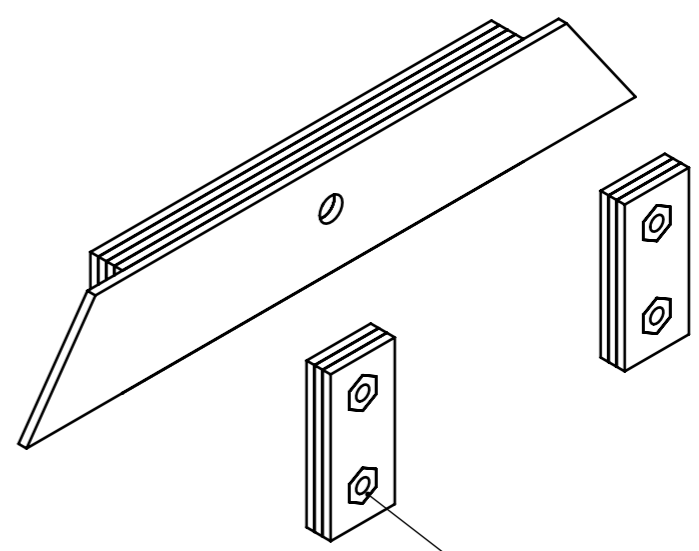
STEP 1



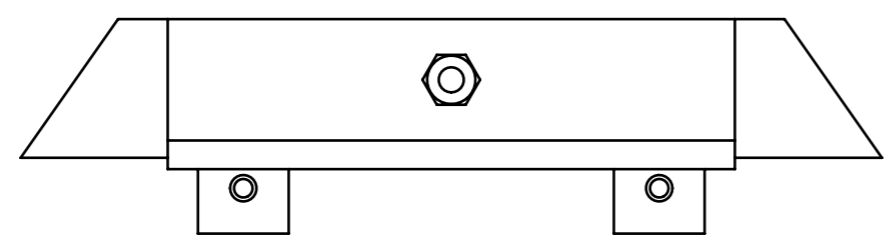
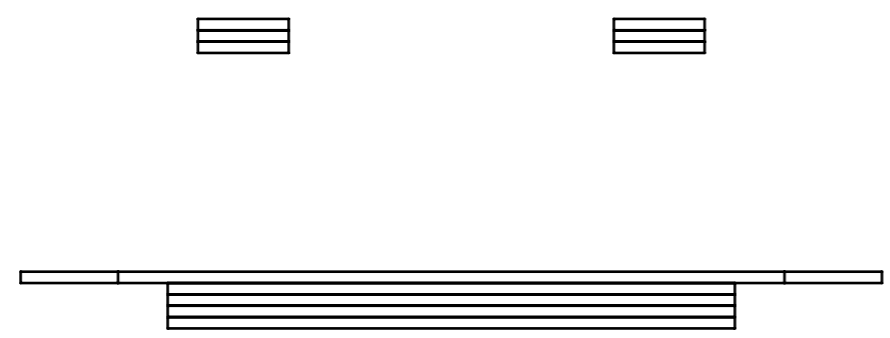
STEP 2



FIT 1x M8 NUT SNUG



FIT 4x M6 NUTS SNUG



STEP 3

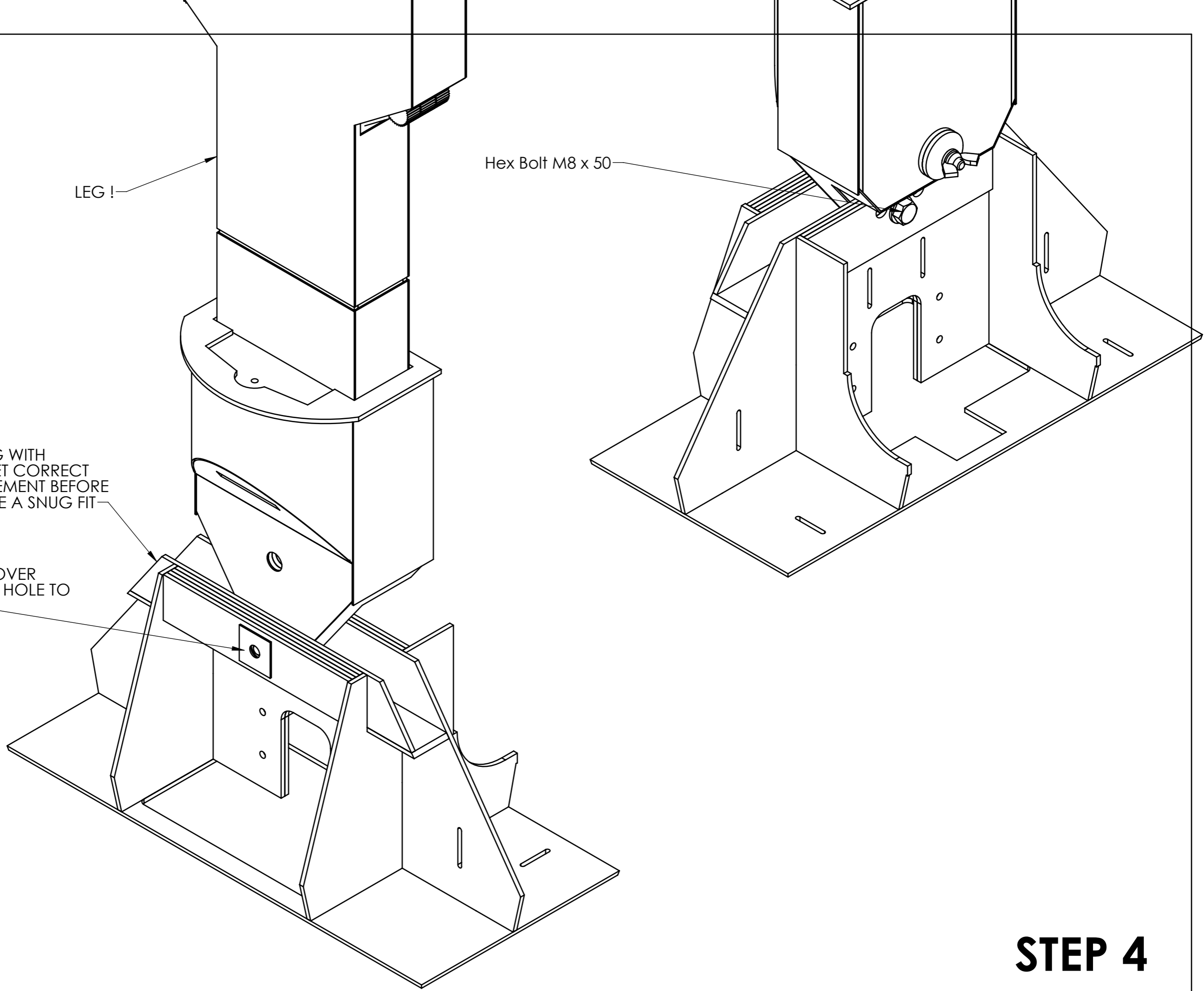
LEG!

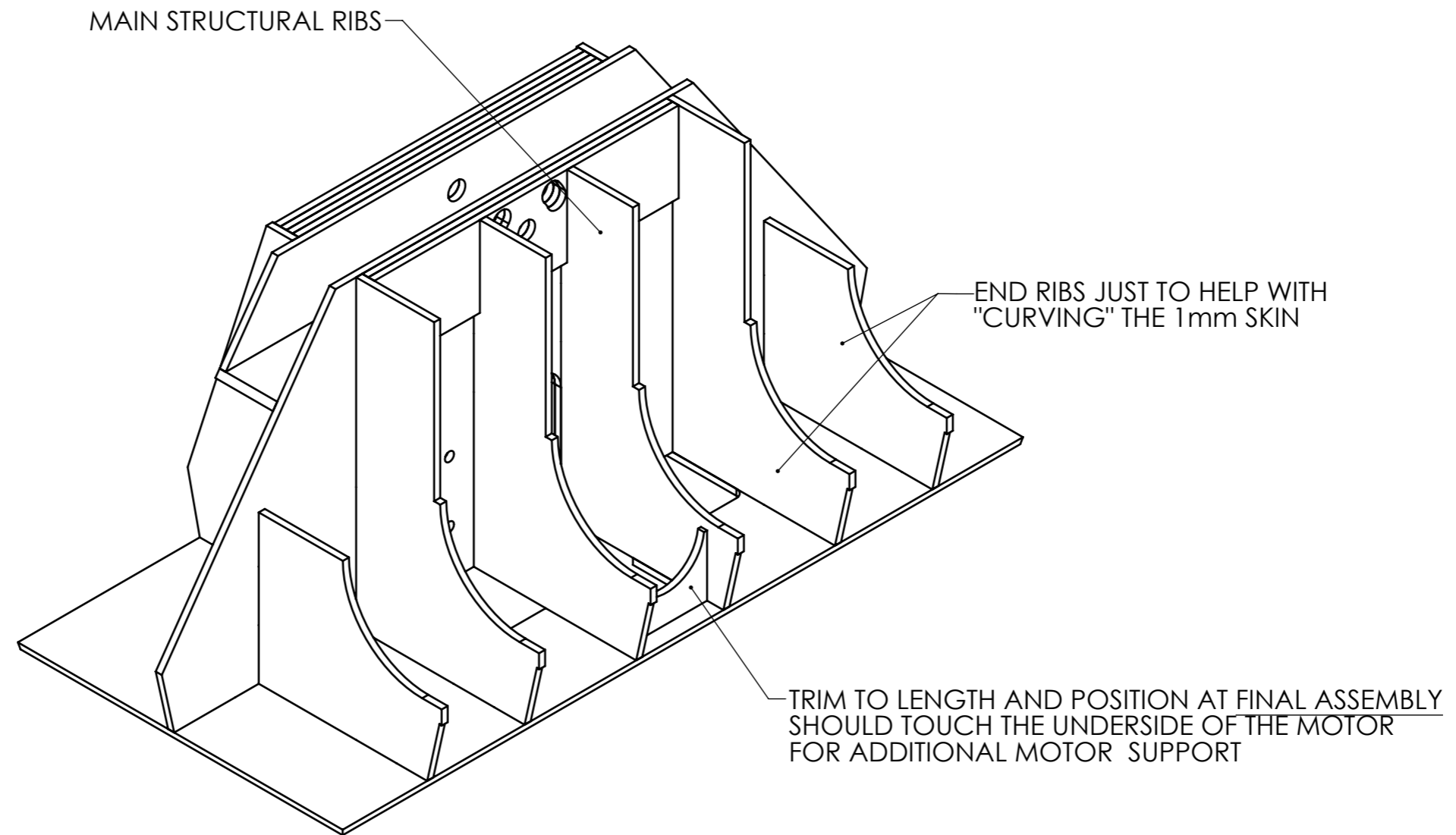
Hex Bolt M8 x 50

TEST ASSEMBLE LEG WITH ANKLE BOLT TO GET CORRECT BOLT HOLE ALIGNEMENT BEFORE GLUING TO ENSURE A SNUG FIT

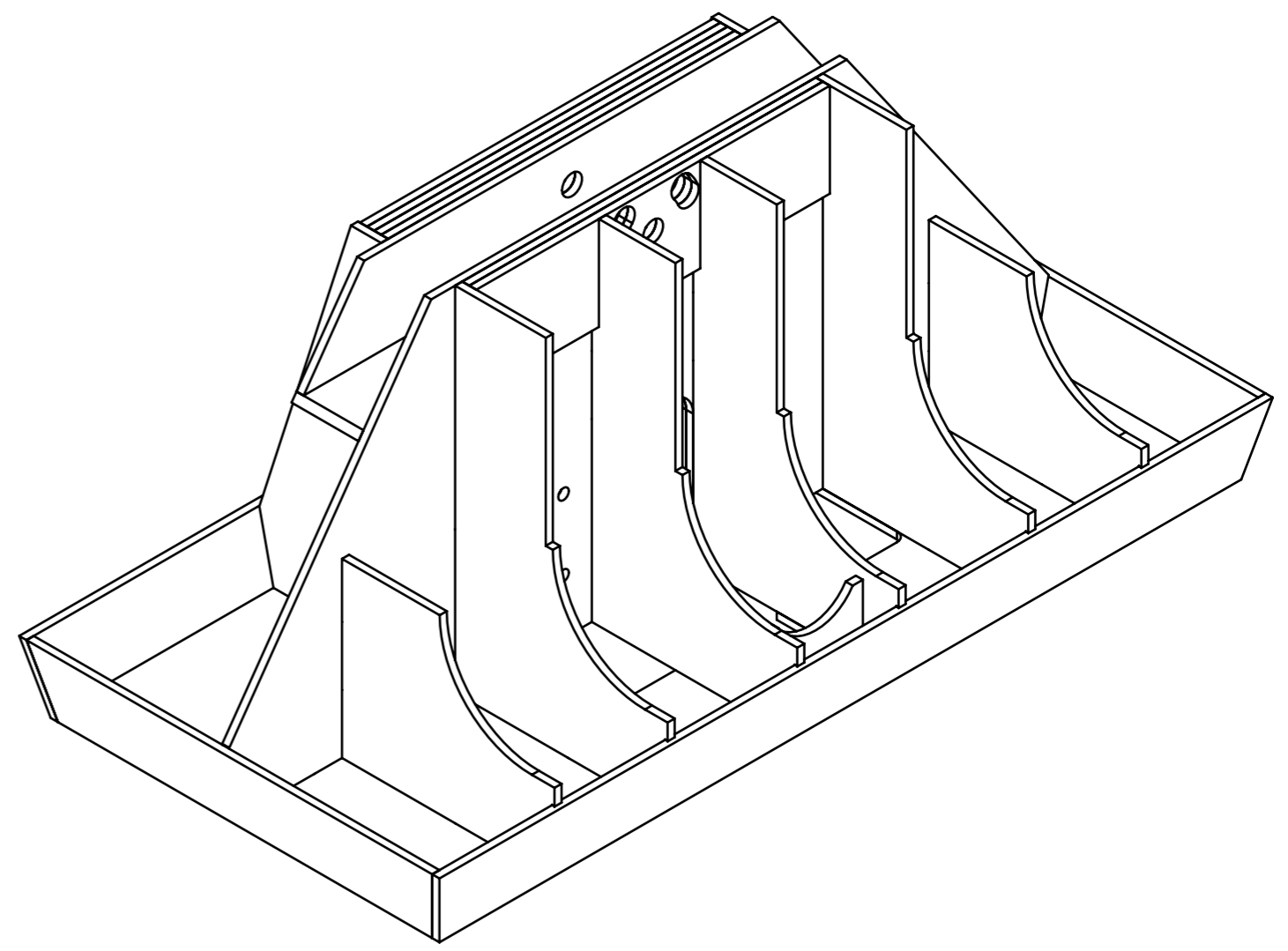
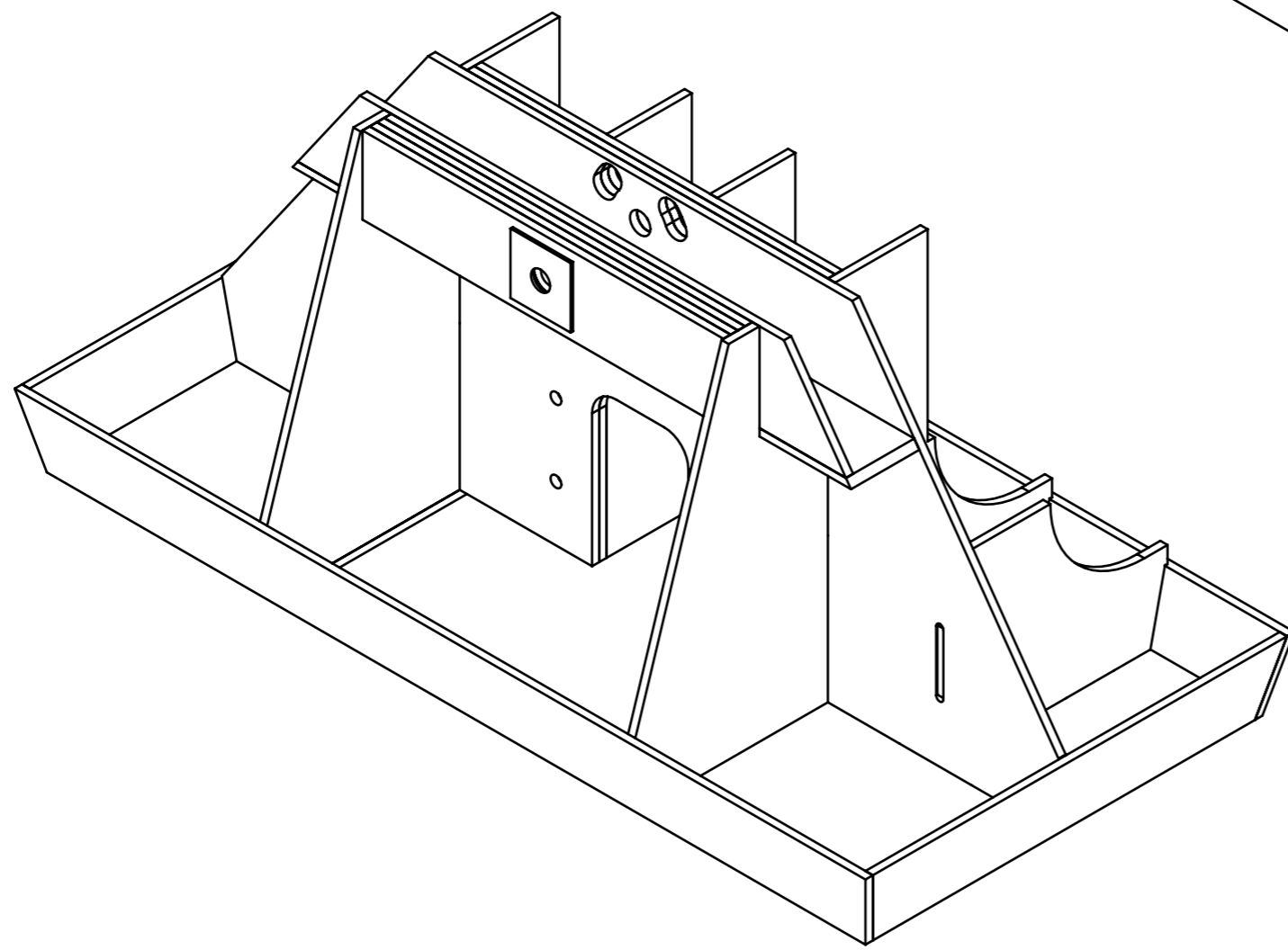
MAKE A 1mm COVER WITH $\varnothing 9$ or $\varnothing 10$ HOLE TO RETAIN NUT

STEP 4

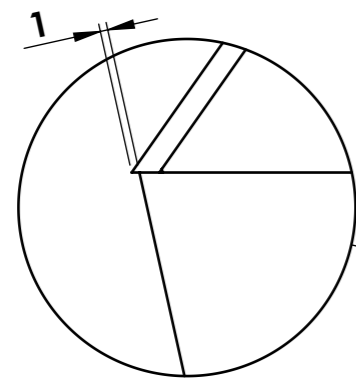
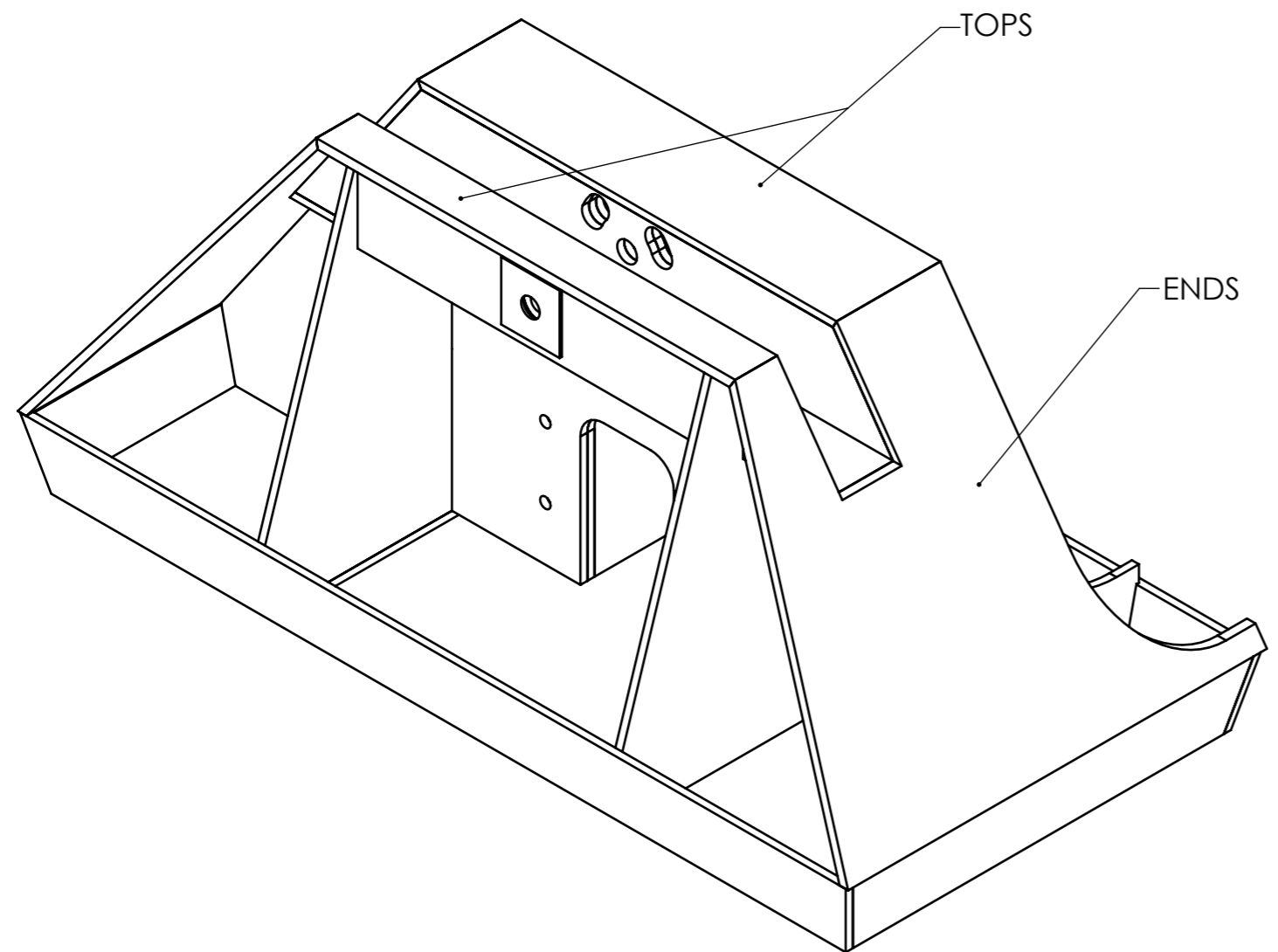




STEP 5

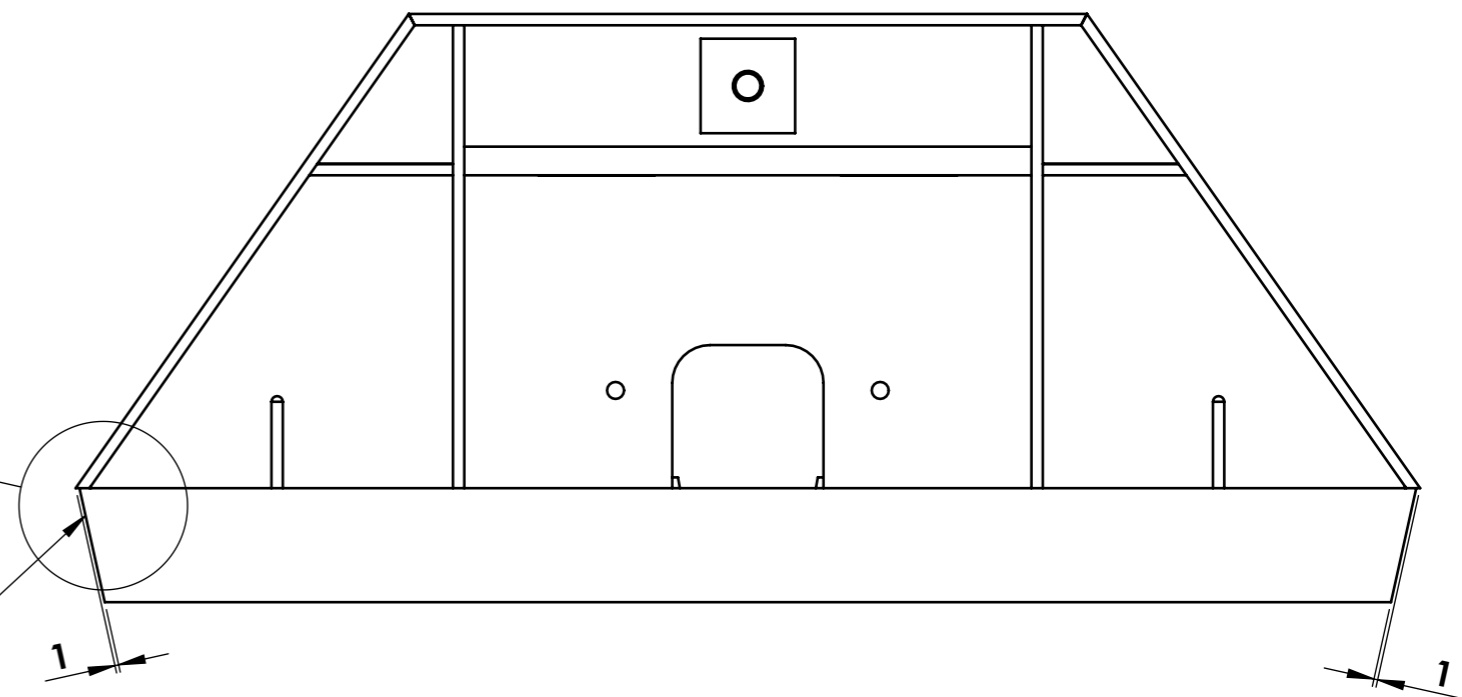


STEP 6

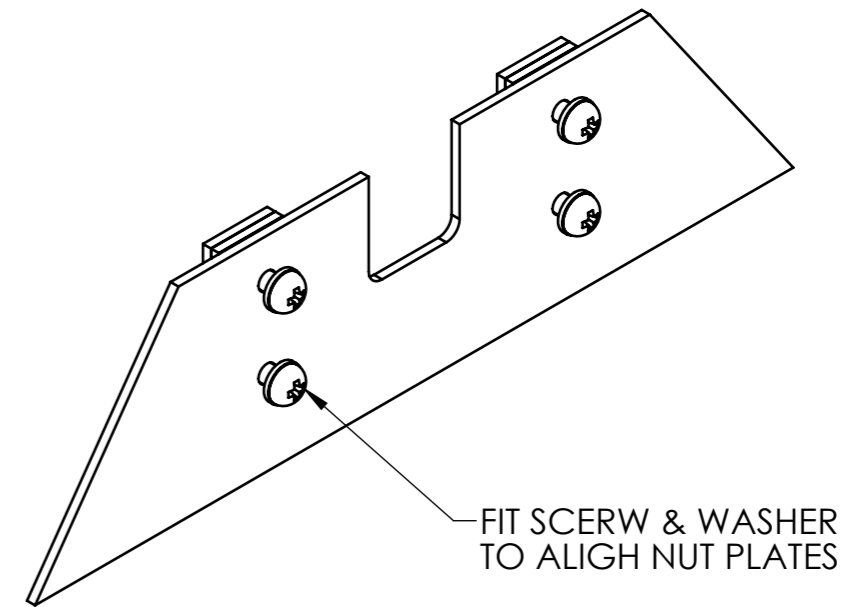
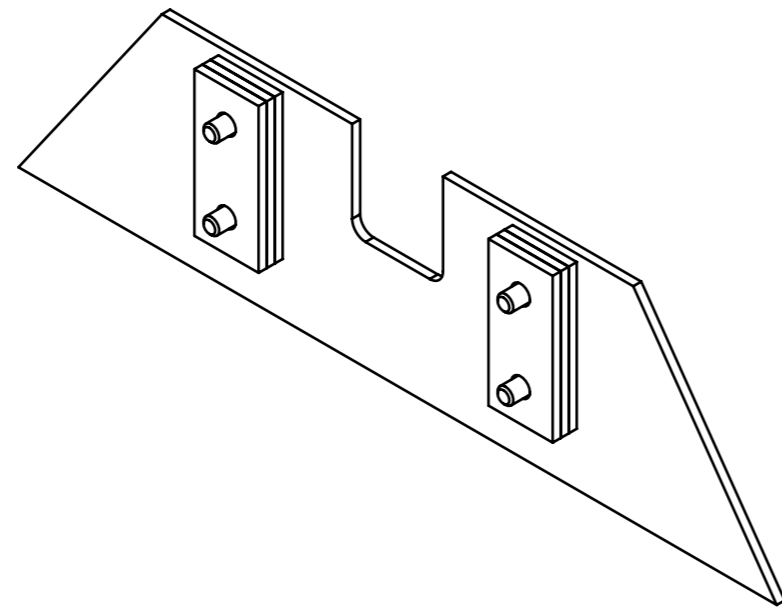


DETAIL A
SCALE 1 : 1

1mm STEP BOTH ENDS
FOR FOOT "SLOT" DETAIL
IN 1mm - BOTH ENDS

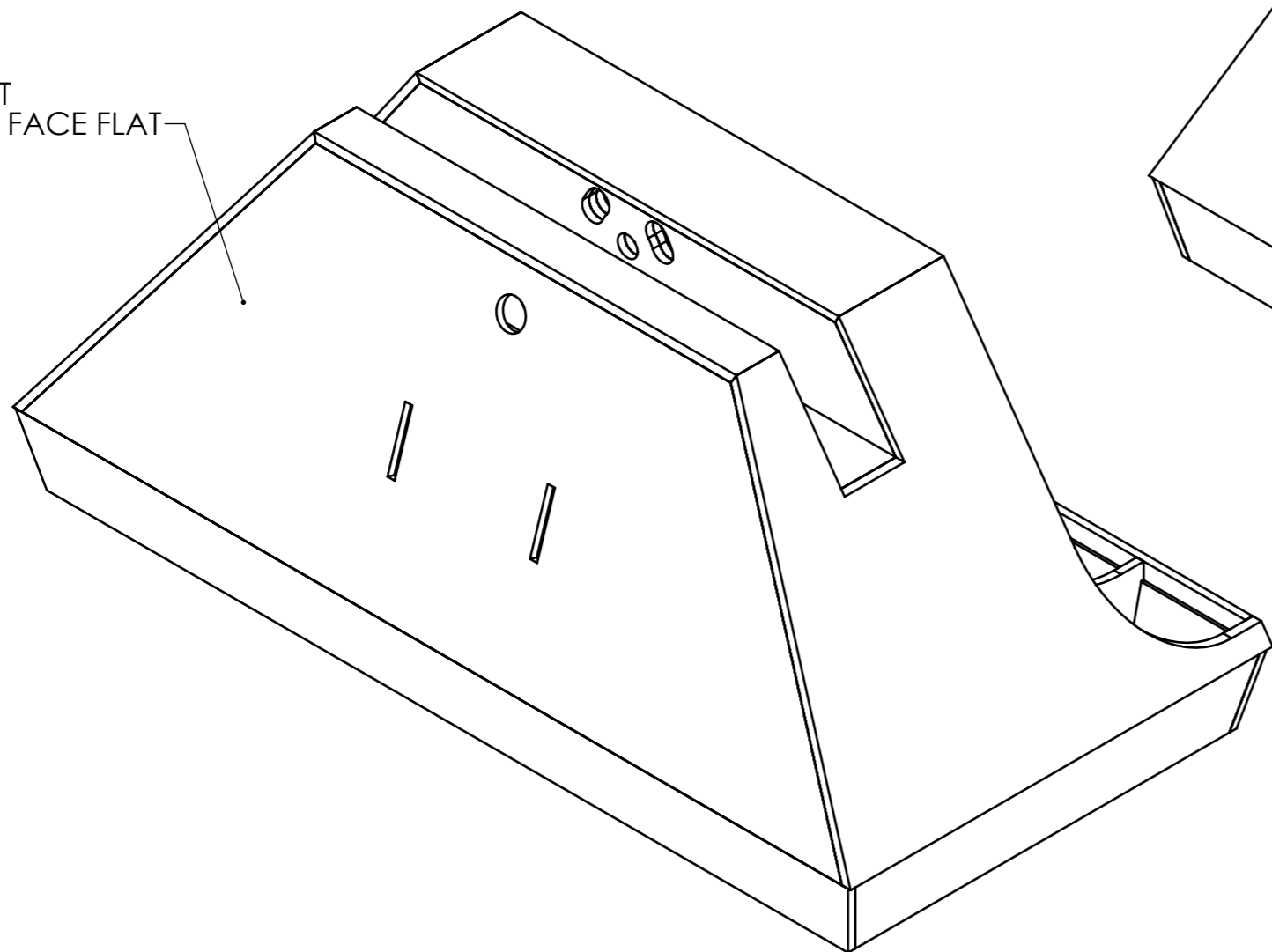


STEP 7

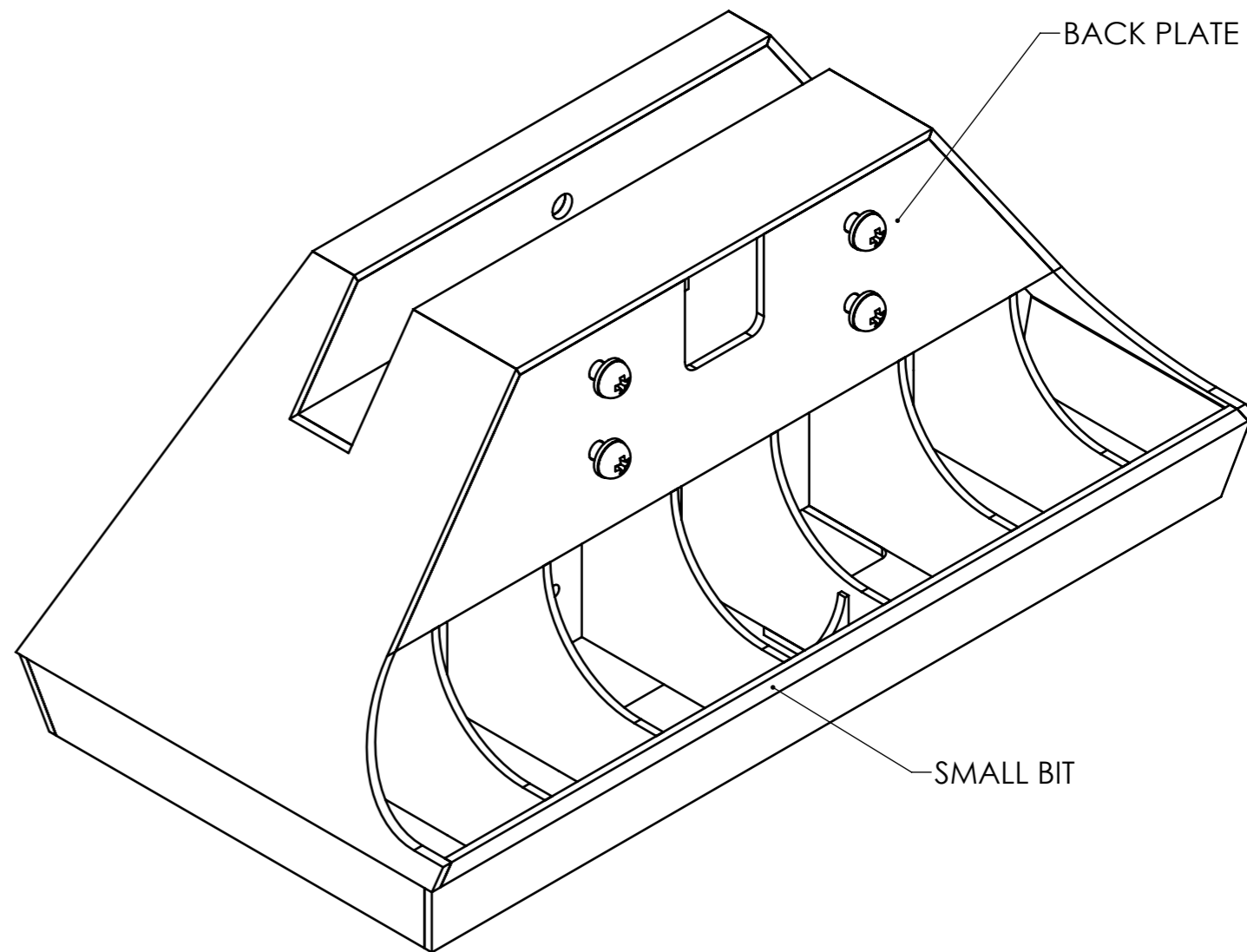


STEP 8A

FRONT
SAND FACE FLAT

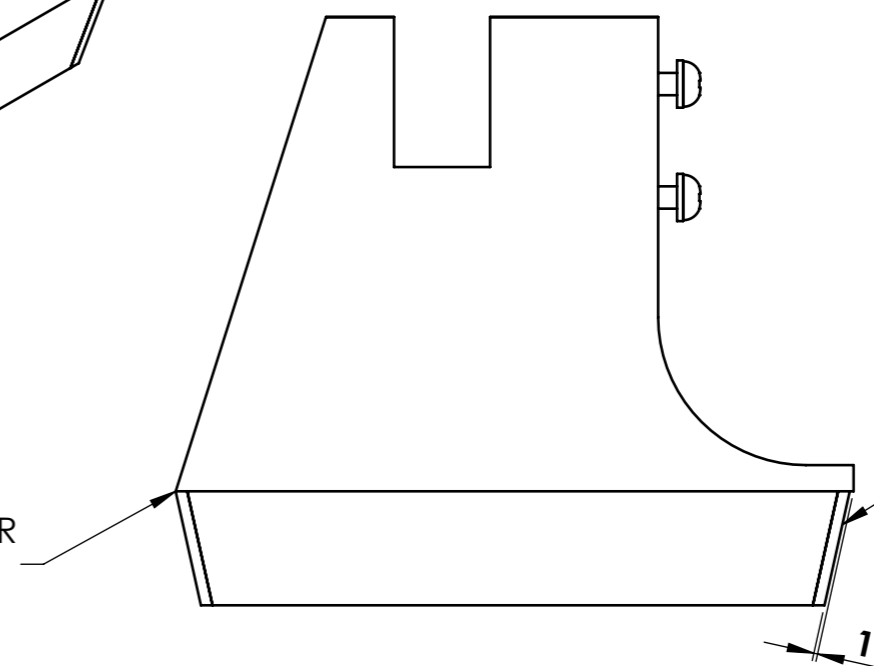


BACK PLATE



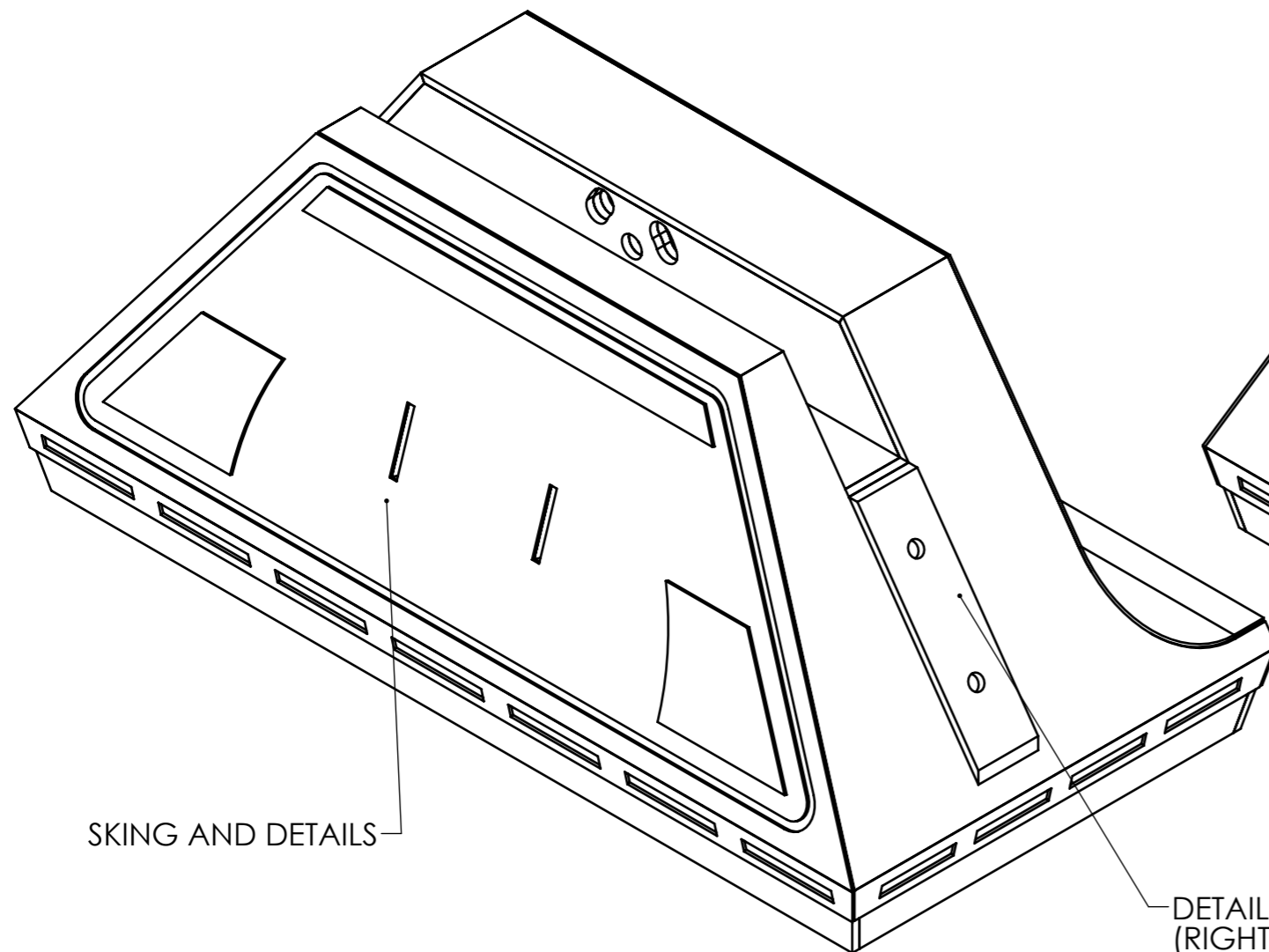
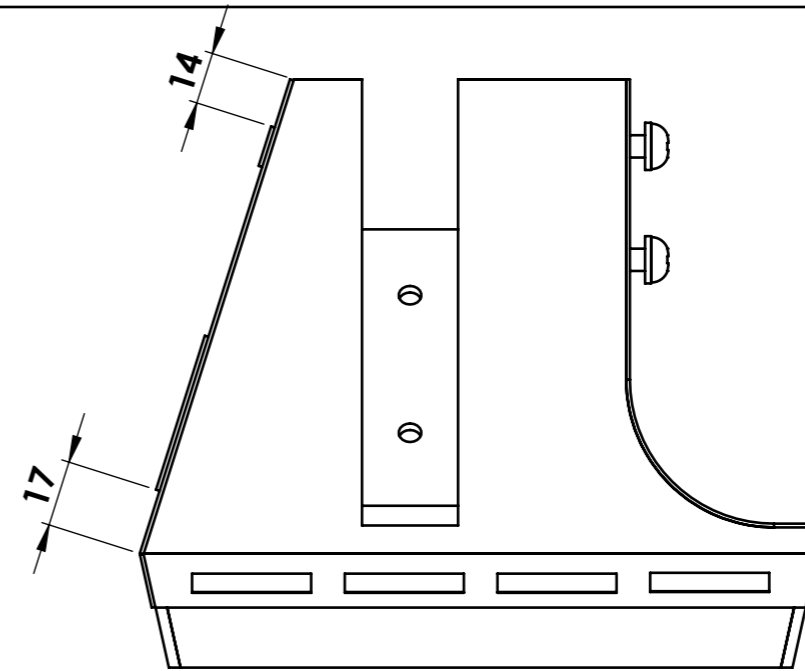
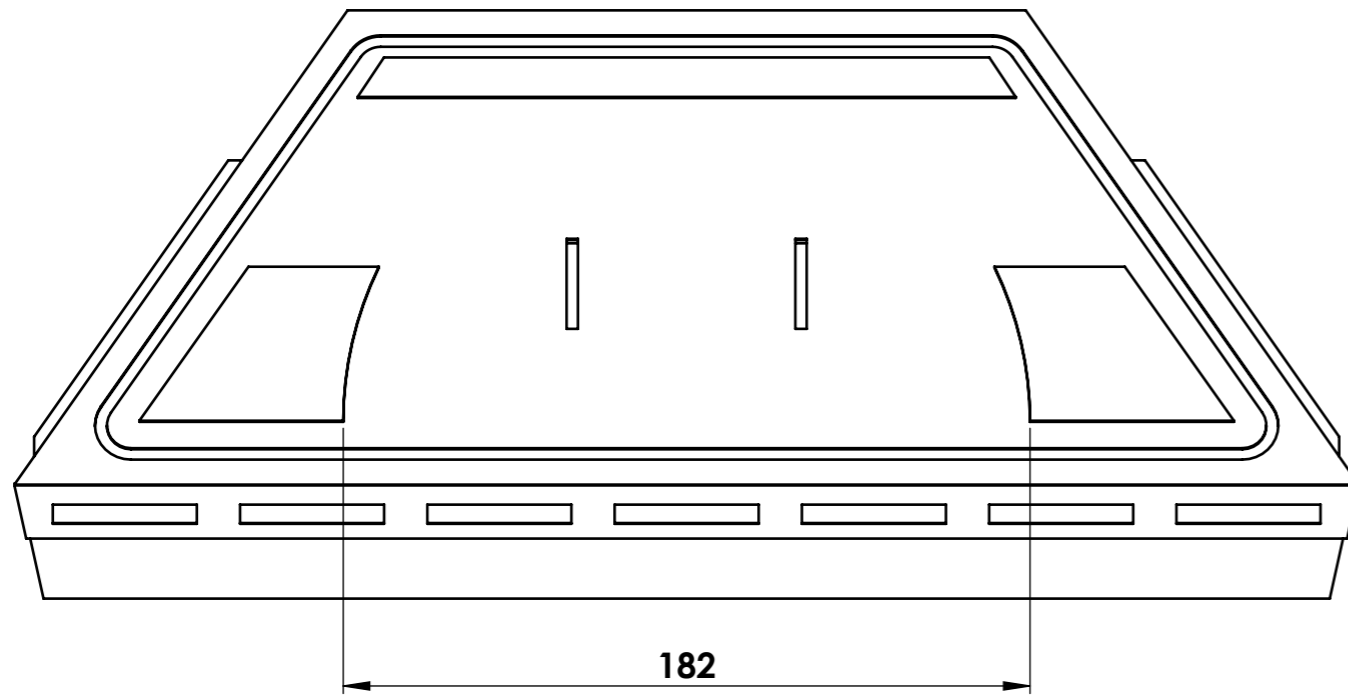
SMALL BIT

NICE SHARP CORNER
THIS SIDE

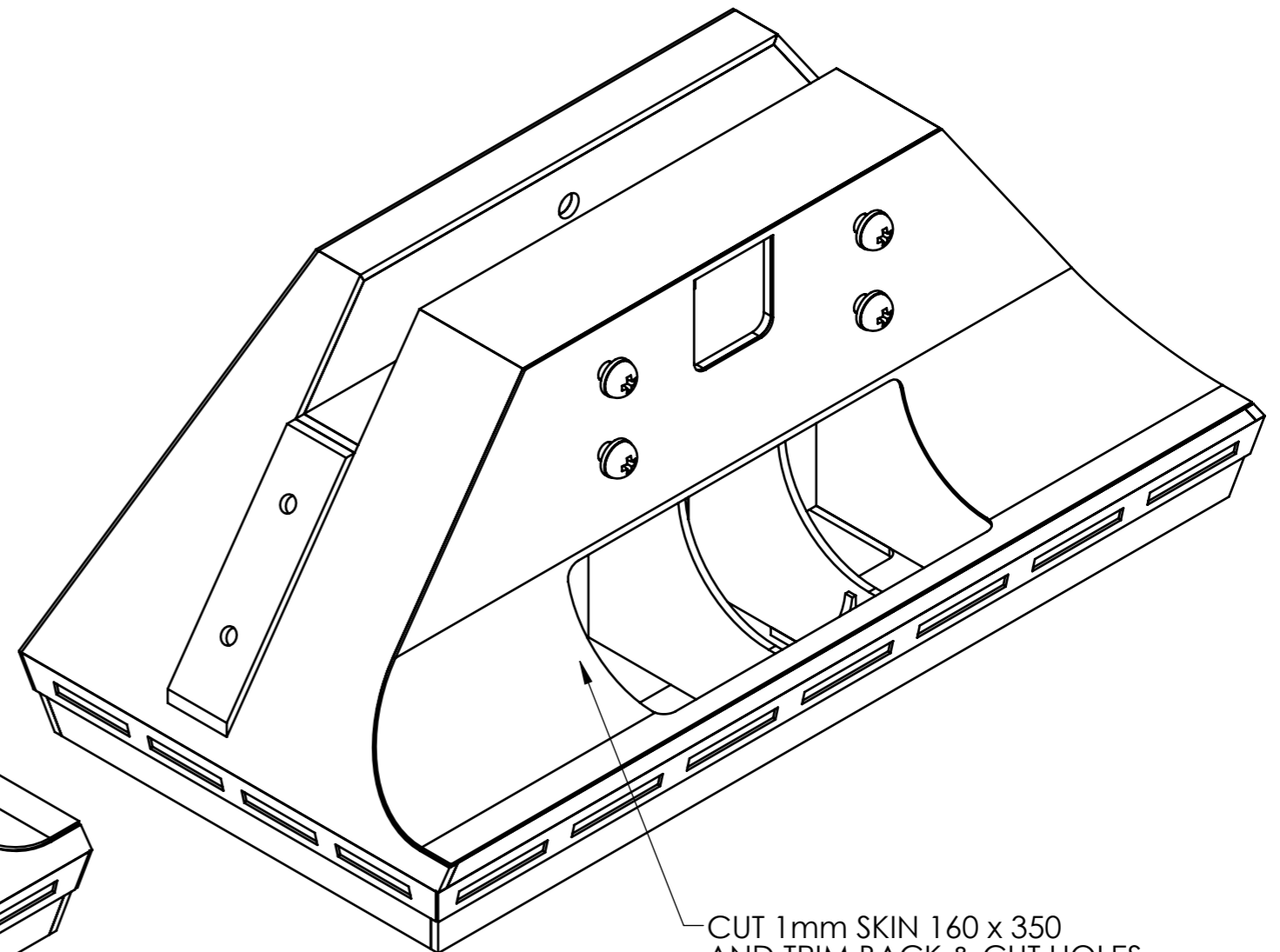


1mm STEP THIS SIDE ONLY
FOR FOOT "SLOT" DETAIL
IN 1mm

STEP 8B



SKING AND DETAILS



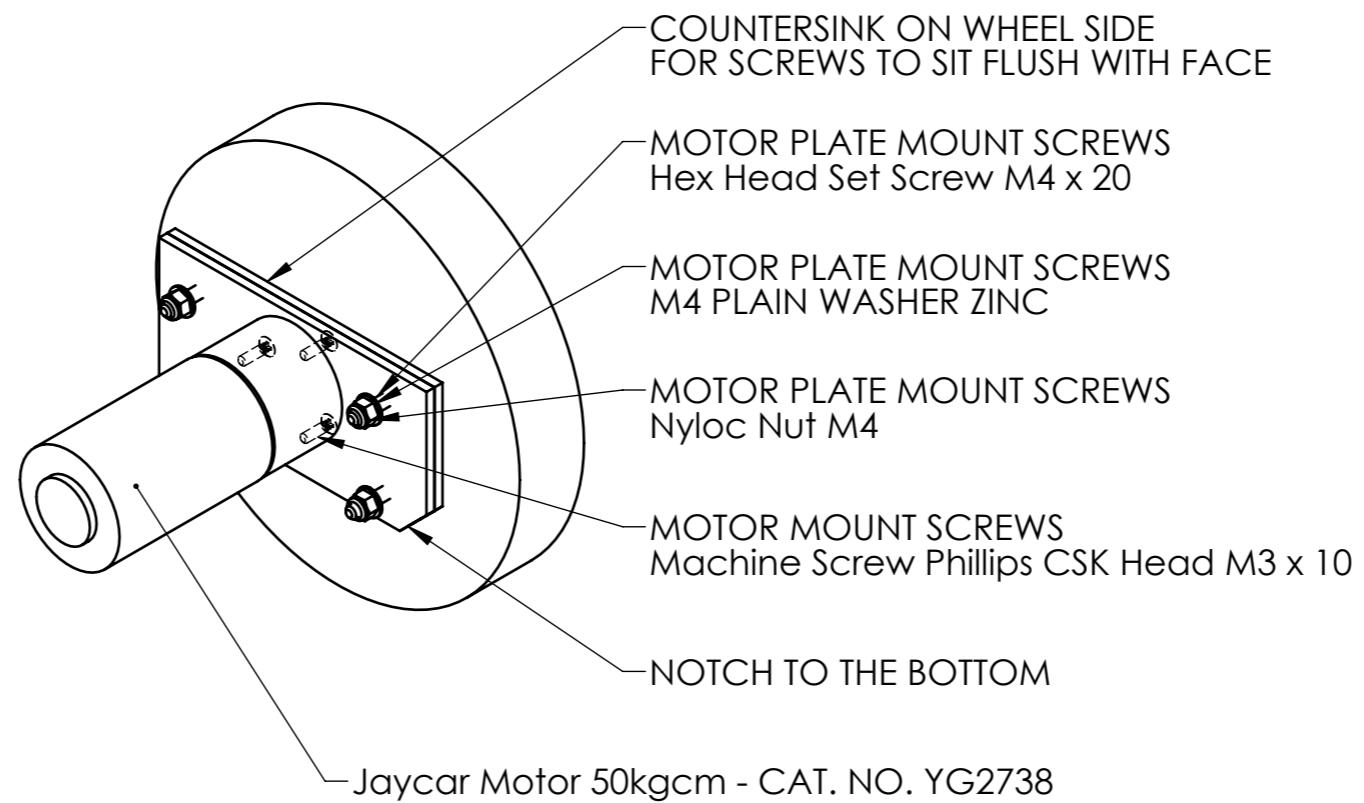
CUT 1mm SKIN 160 x 350 AND TRIM BACK & CUT HOLES AFTER GLUE HAS SET

DETAIL WITH HOLES ON FRONT (RIGHT HAND FOOT SHOWN)

STEP 9

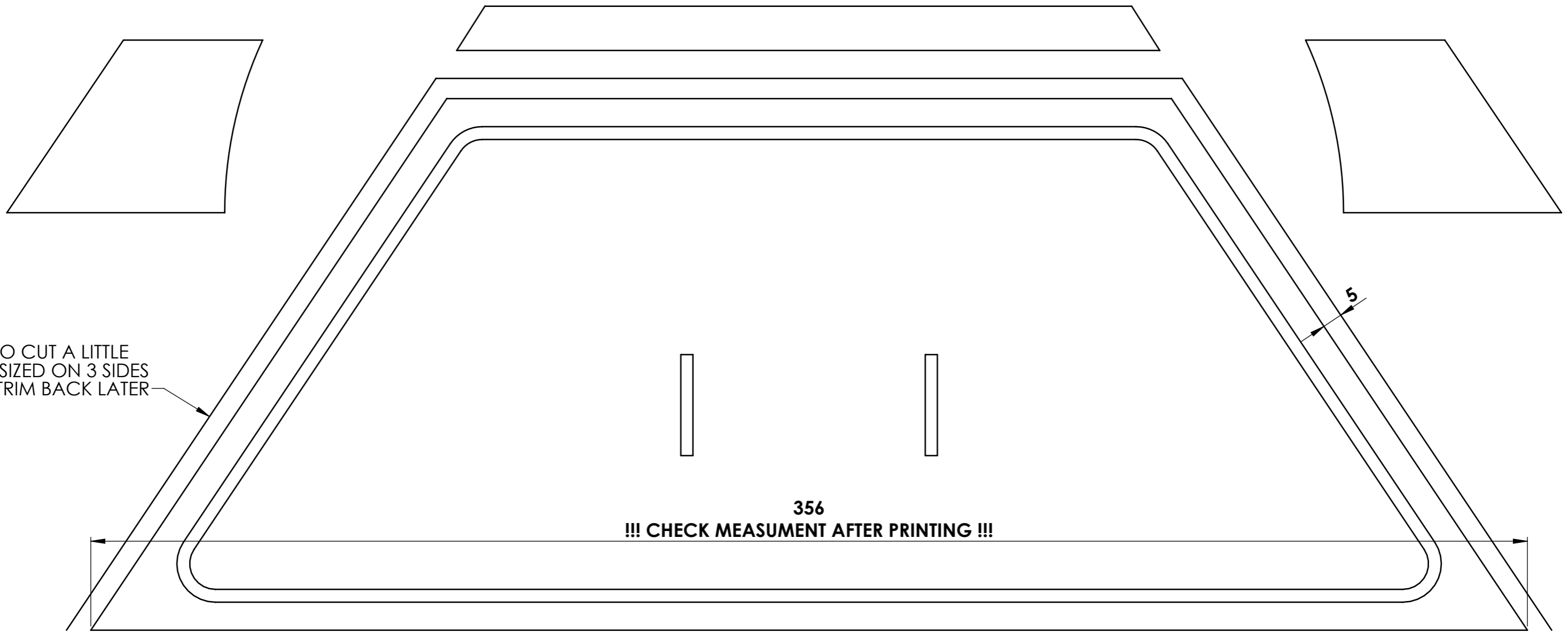
DRIVE WHEEL OPTIONS

There are allot of different way you can do this, below is a common method

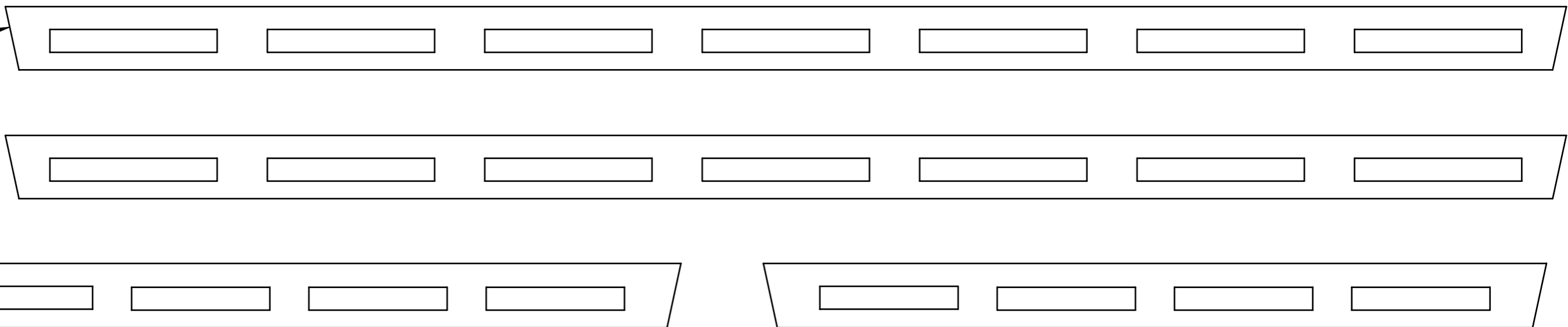


DF ROBOT ϕ 135 WHEEL ASSEMBLY
www.dfrobot.com
RUBBER WHEEL 136x24mm (Kit)
TO SUITE 6mm MOTOR SHAFT

STEP 10



BEST TO CUT A LITTLE LONGER BOTH ENDS AND TRIM BACK LATER



1mm CUTTING
PRINT "FULL SIZE" ON A3 PAPER