

F E D C B A

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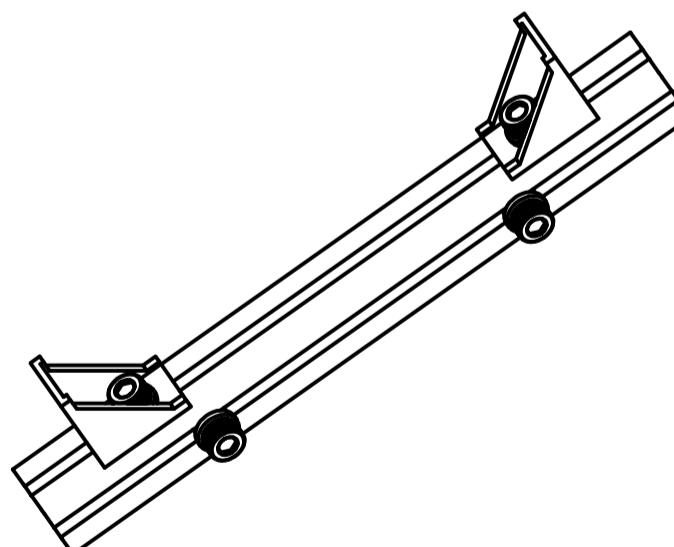
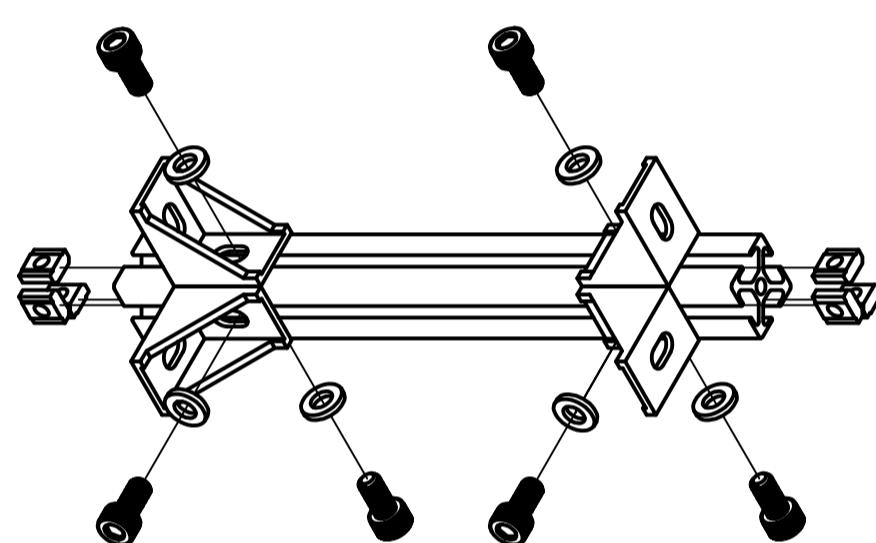
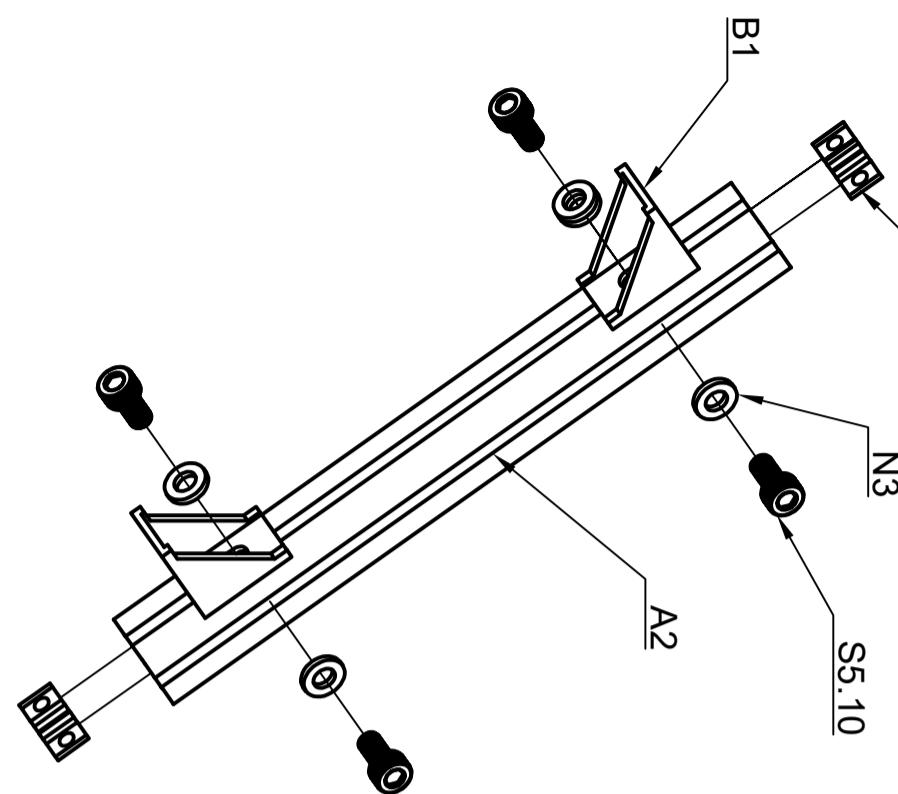
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8

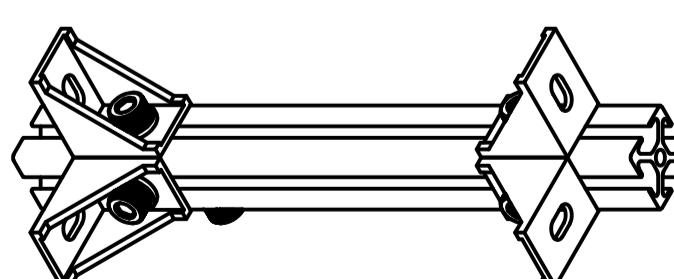
8

F E D C B A

Step 1. Prepare 4 A2 Extrusions

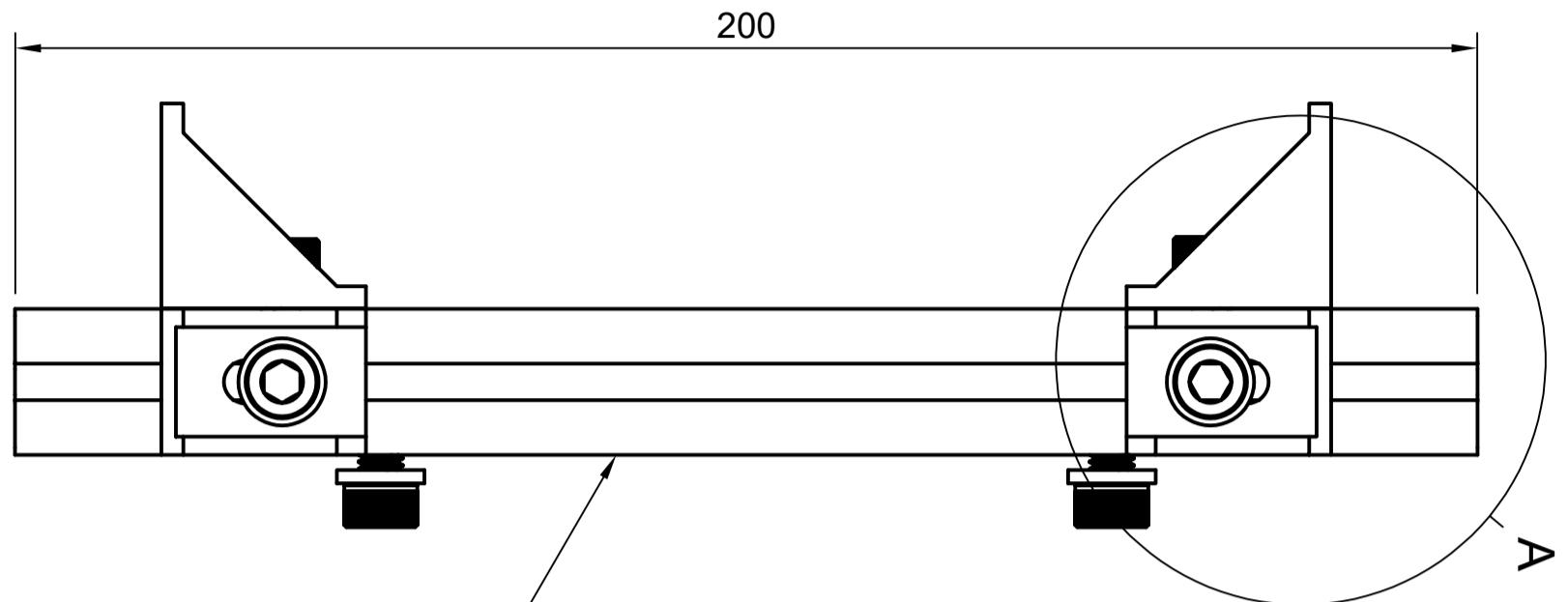


Should look like this

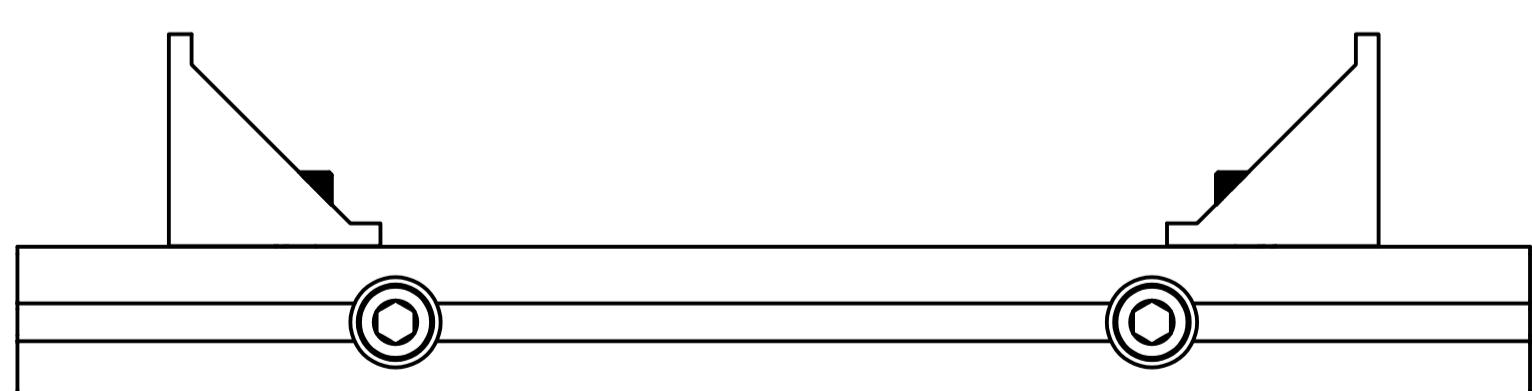
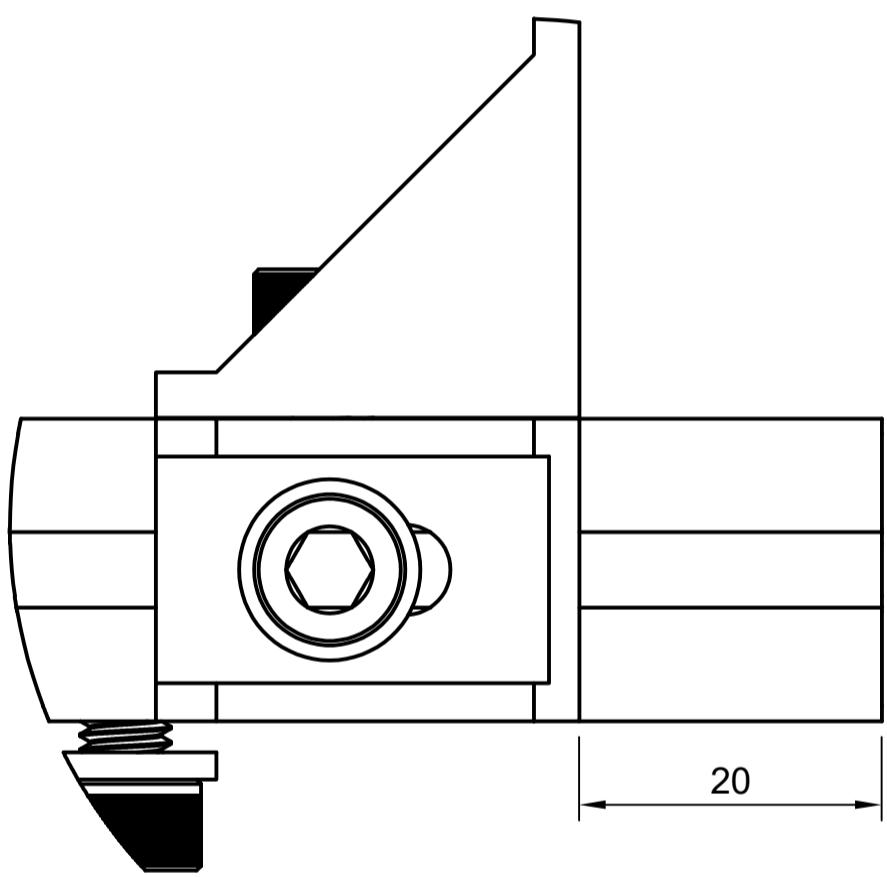


x4

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<b>Step 1 view 1 of 2</b>		DWG No.
Rev.	Date of issue	Sheet
		1



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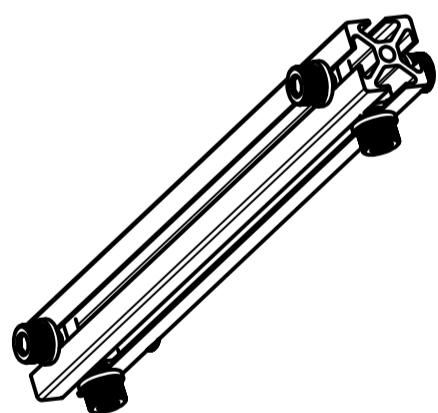
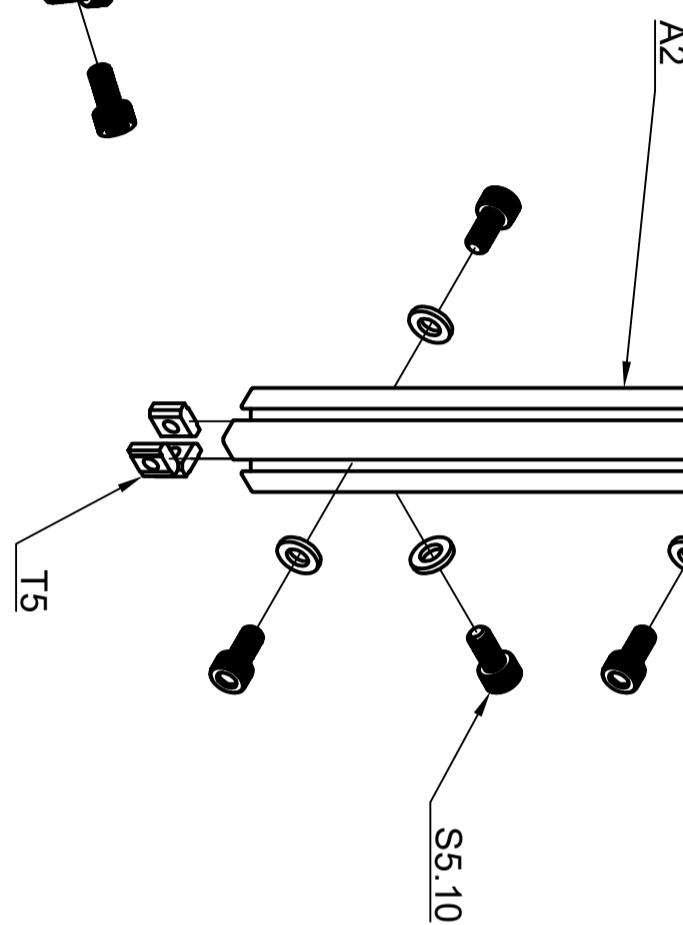
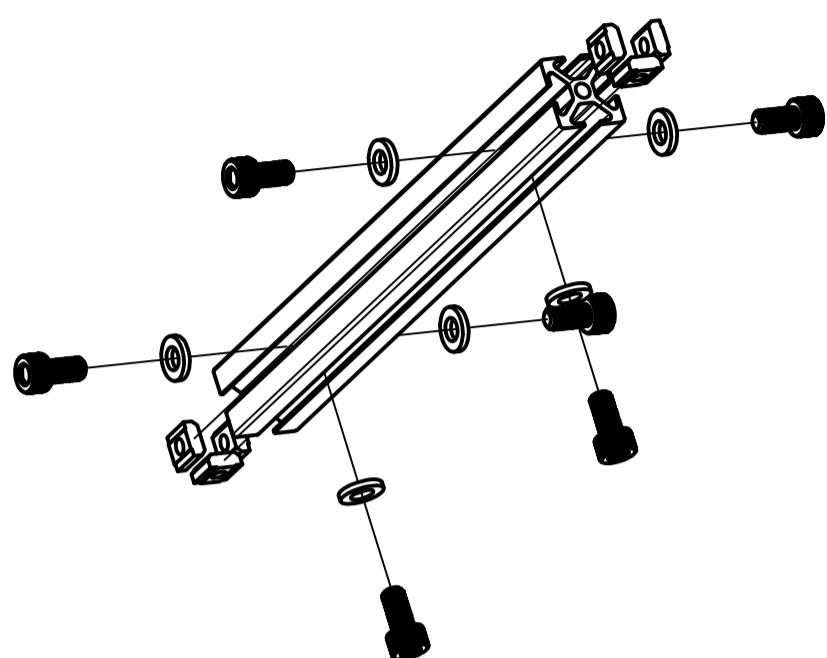
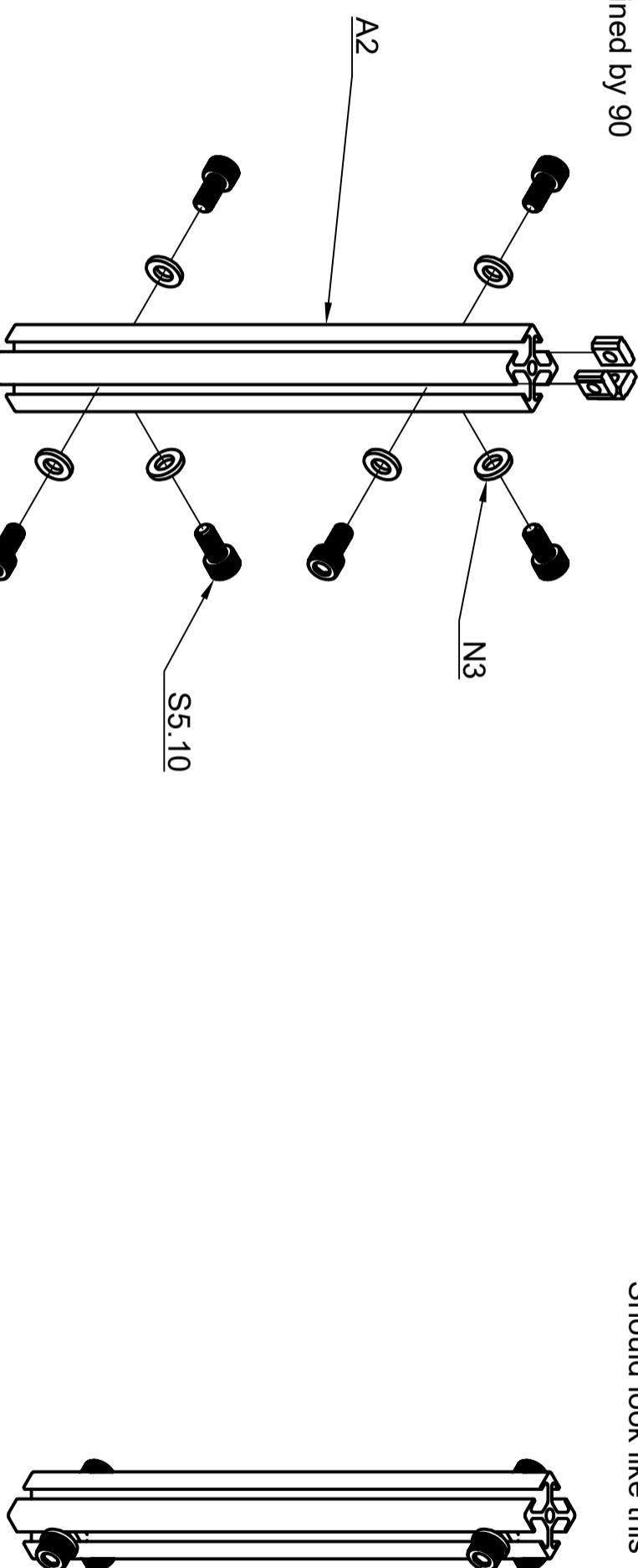


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Title	DWG No.	
<b>Step 1 view 2 of 2</b>		
Rev.	Date of issue	Sheet
		<b>2</b>

Step 2. Prepare 2 more A2 extrusions

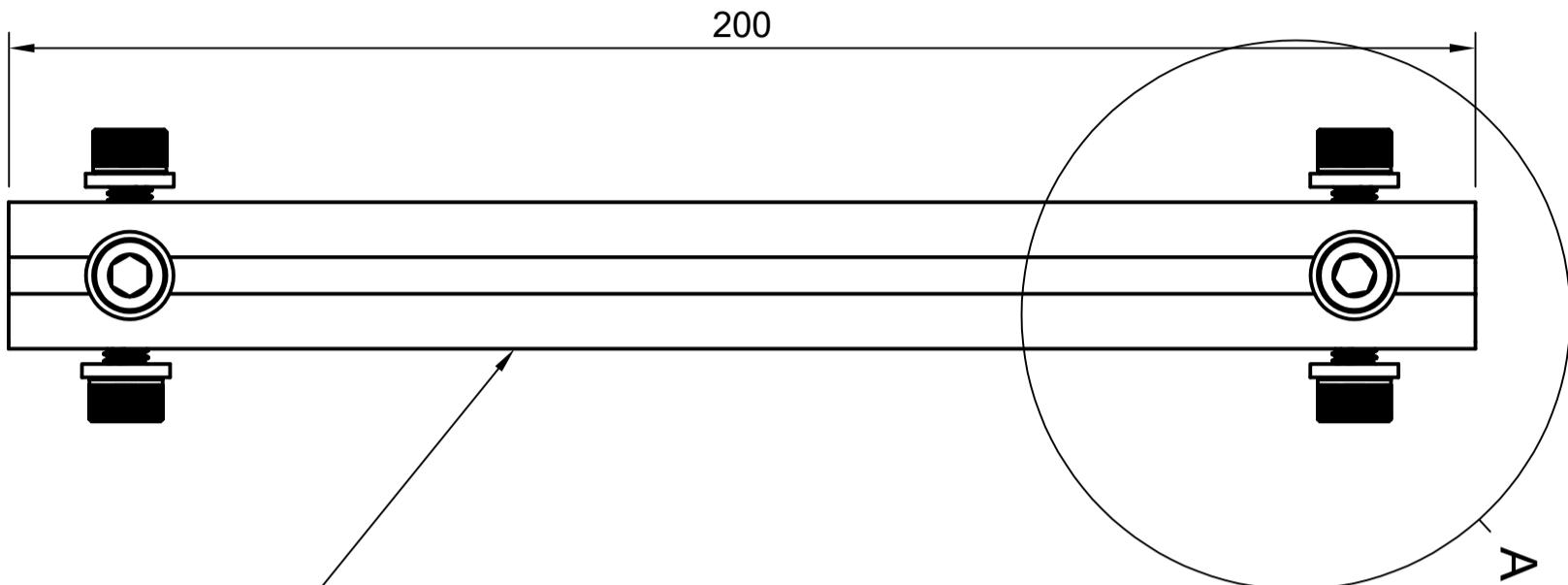
Note that these screws and nuts are attached prior to the extrusion to the extrusions being joined by 90 degree brackets

Should look like this

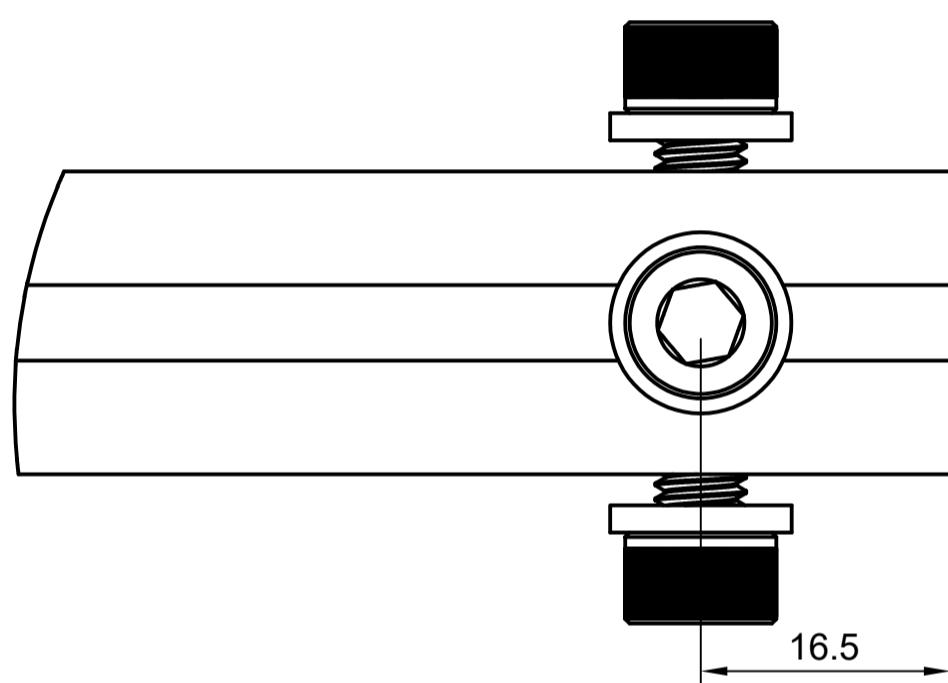


x2

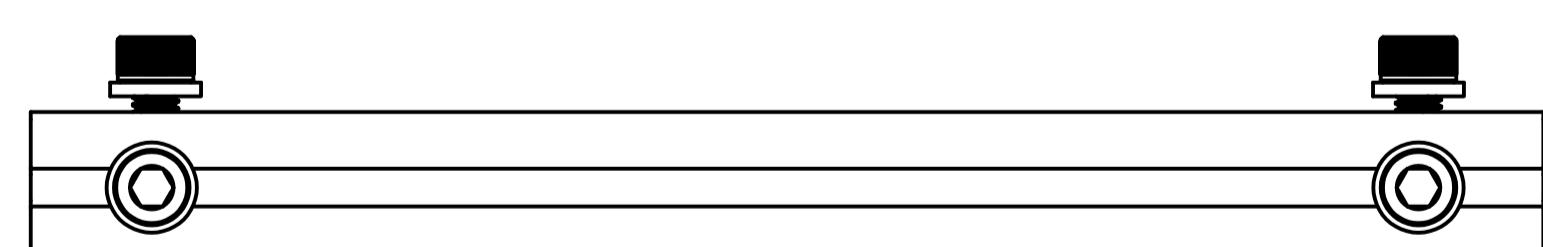
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<b>Step 2 view 1 of 2</b>		DWG No.
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		3



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A (2:1)



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Step 2 view 2 of 2		
Rev.	Date of issue	Sheet
		4

Step 3. Prepare 2 more A2 extrusions

A

1 2 3 4

A2

B

S5.10

Should look like this

x2

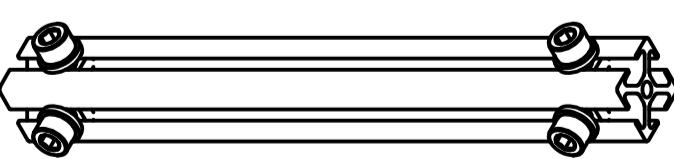
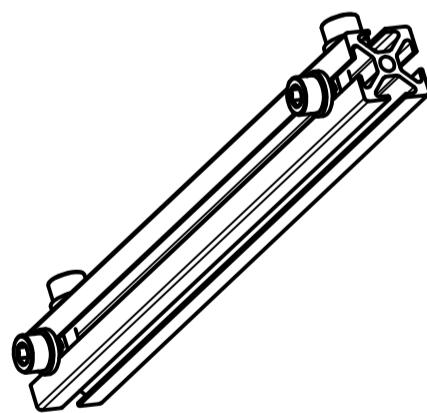
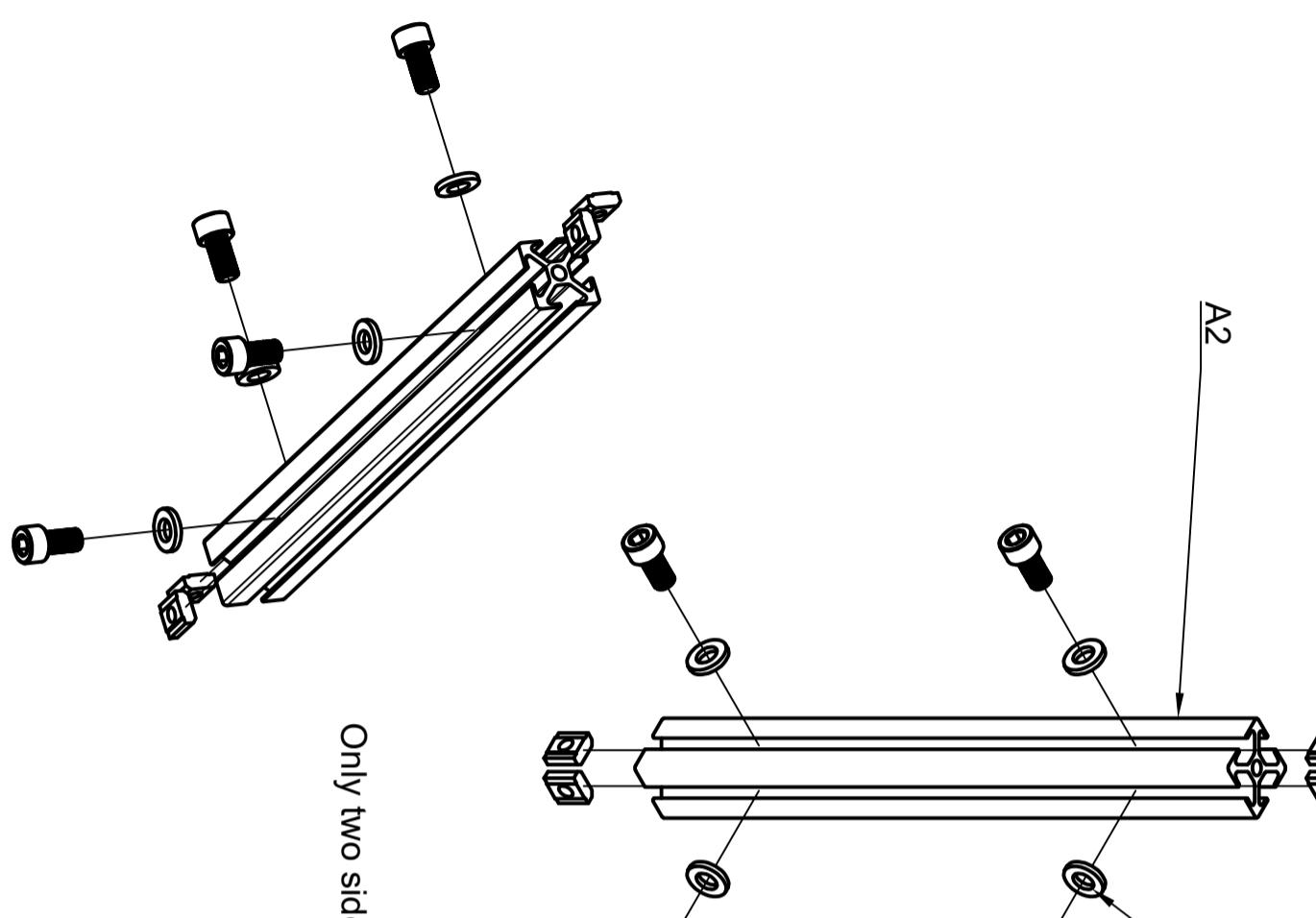
C

C

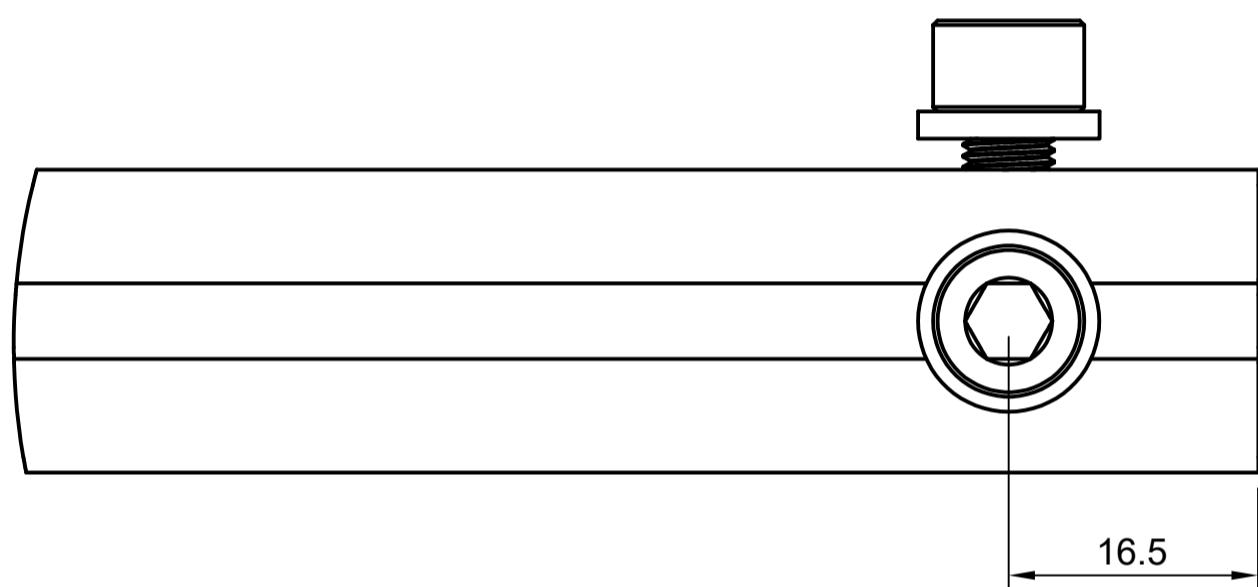
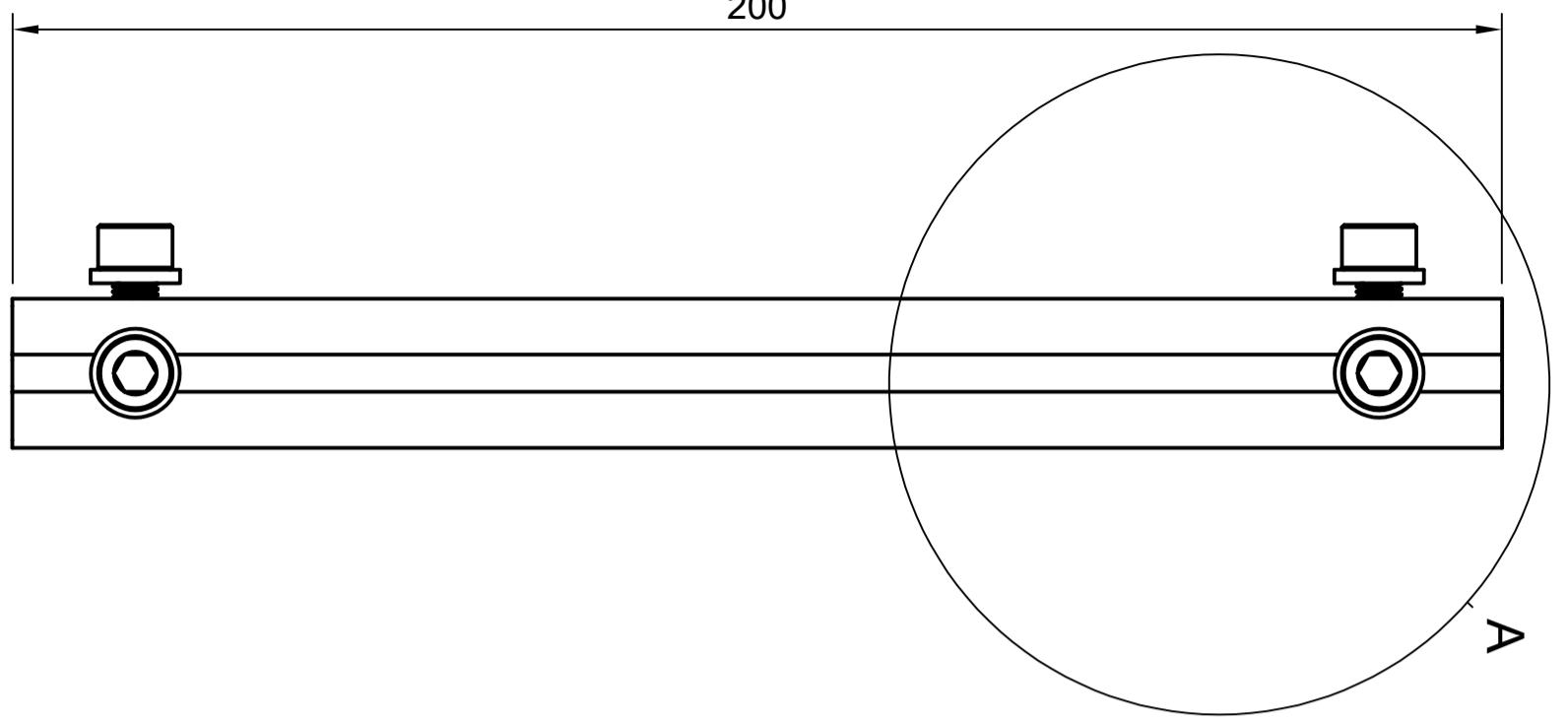
D

D

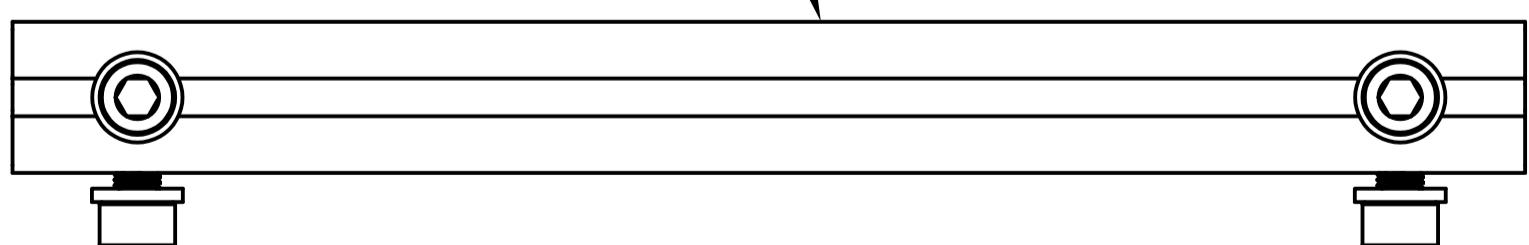
Only two sides this time



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A

B

C

D

E

F

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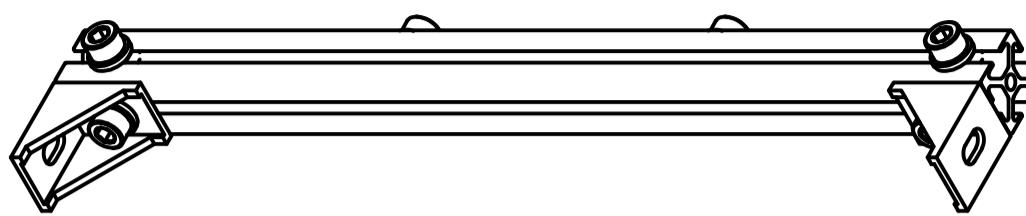
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6

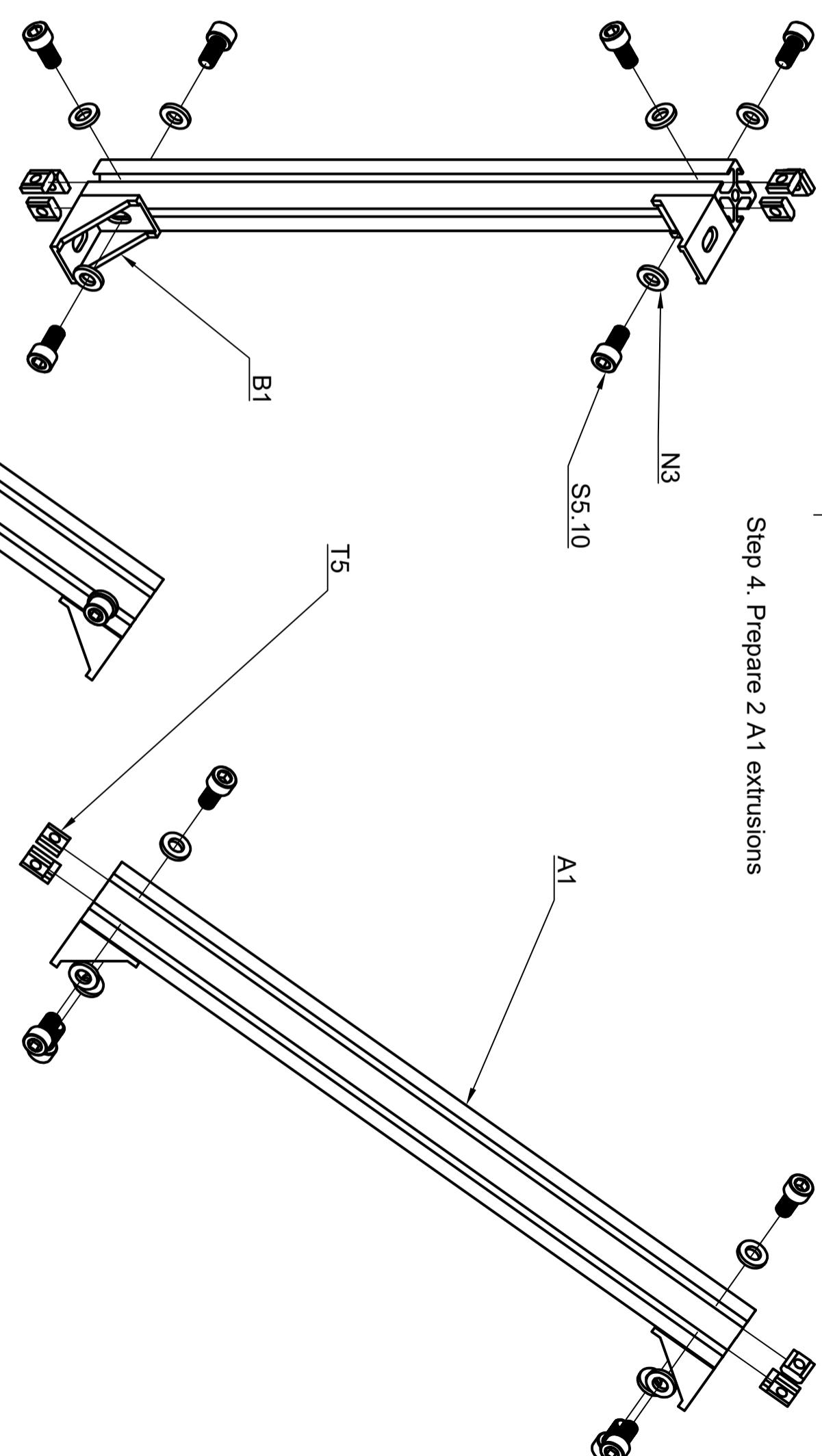
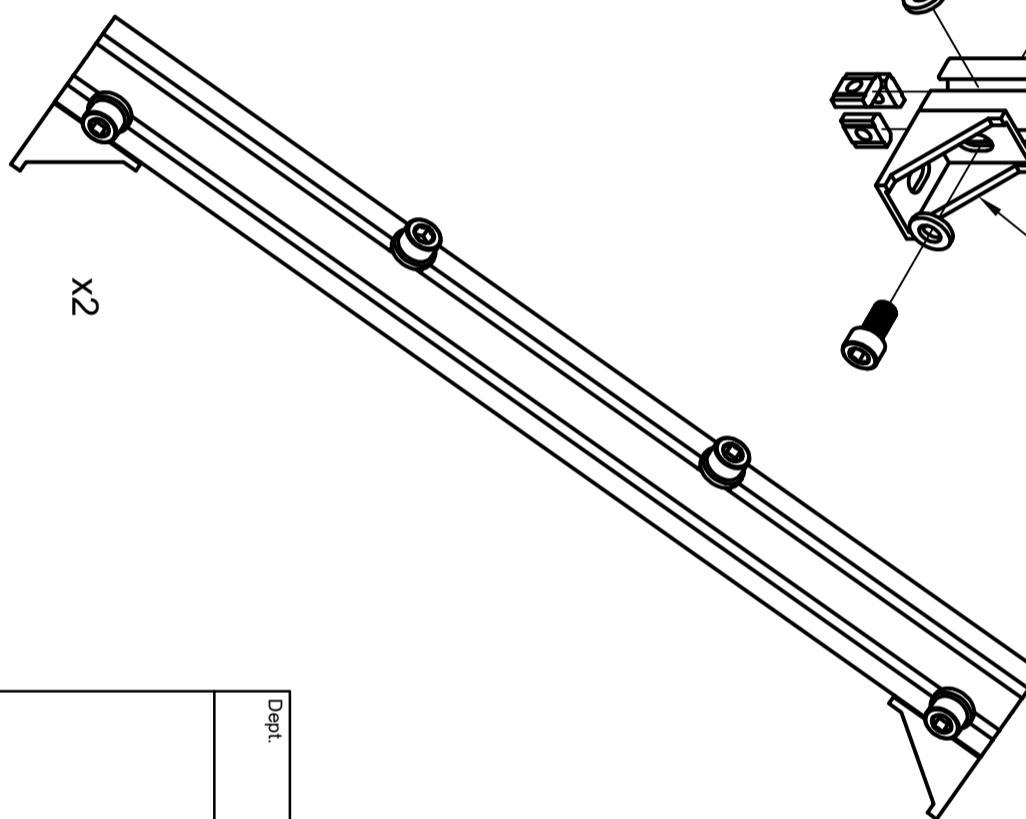
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8

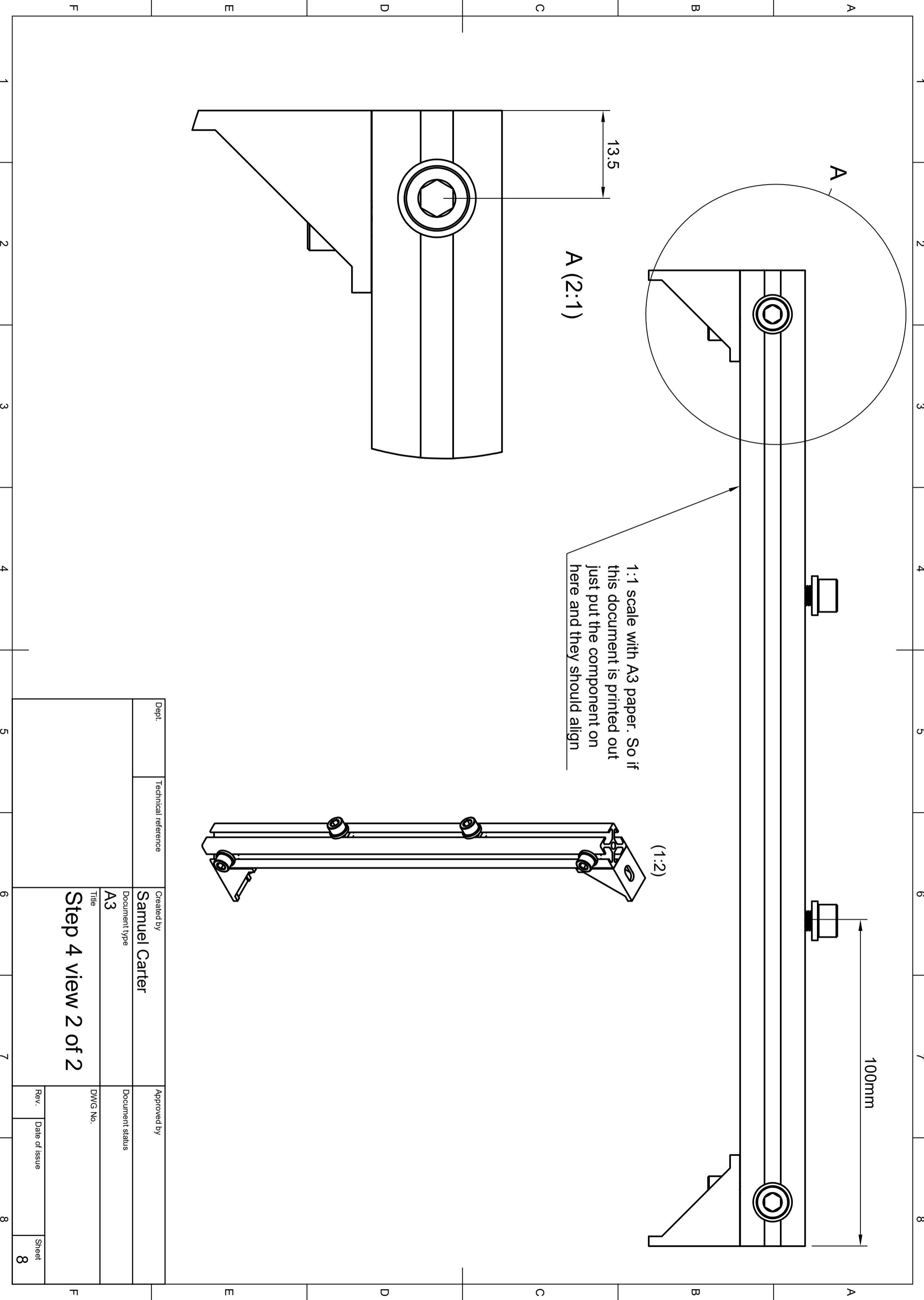
#### Step 4. Prepare 2 A1 extrusions



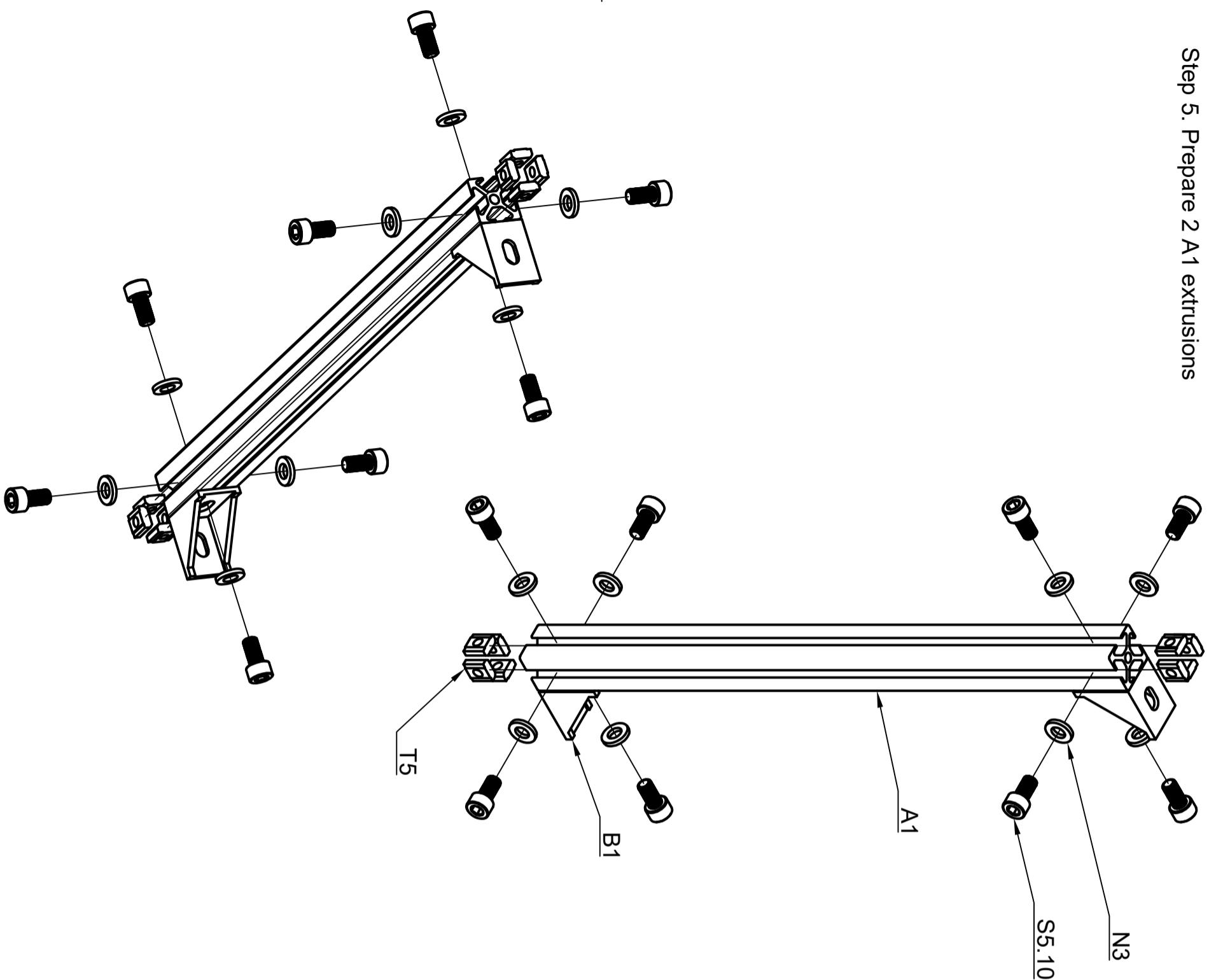
Should look like this



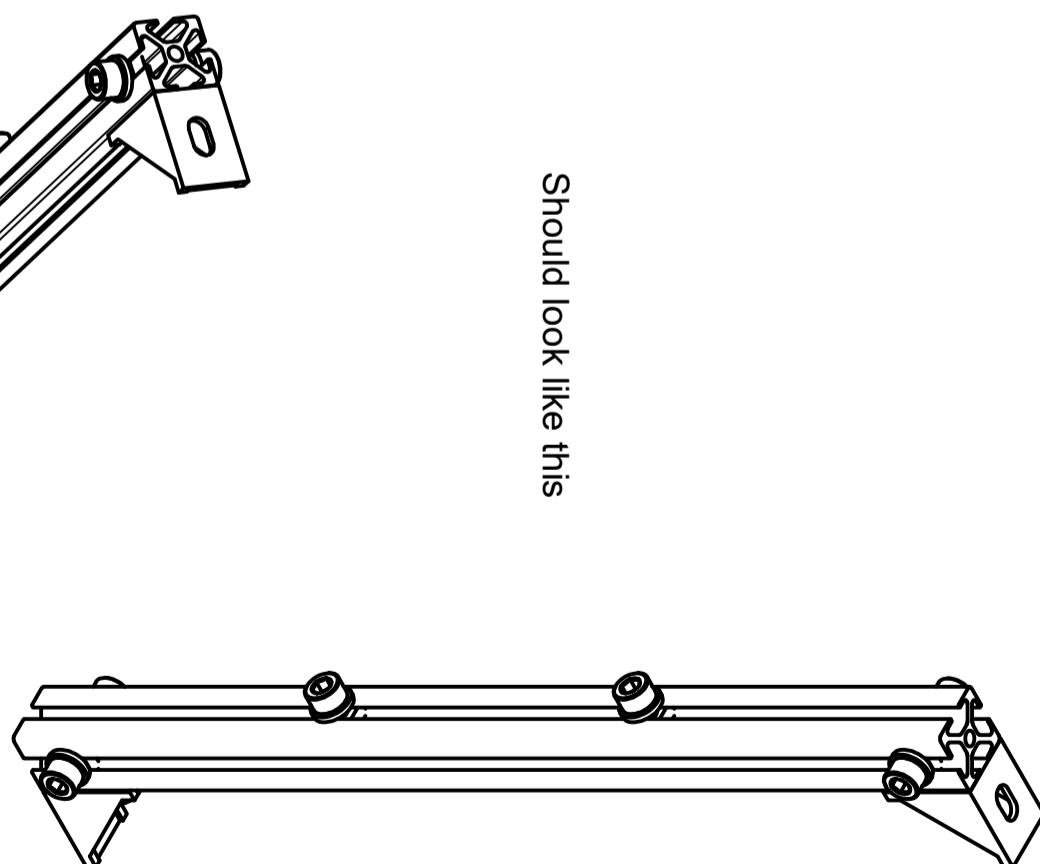
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Title		Document status
Step 4 view 1 of 2		DWG No.
Rev.	Date of issue	Sheet
		7



Step 5. Prepare 2 A1 extrusions

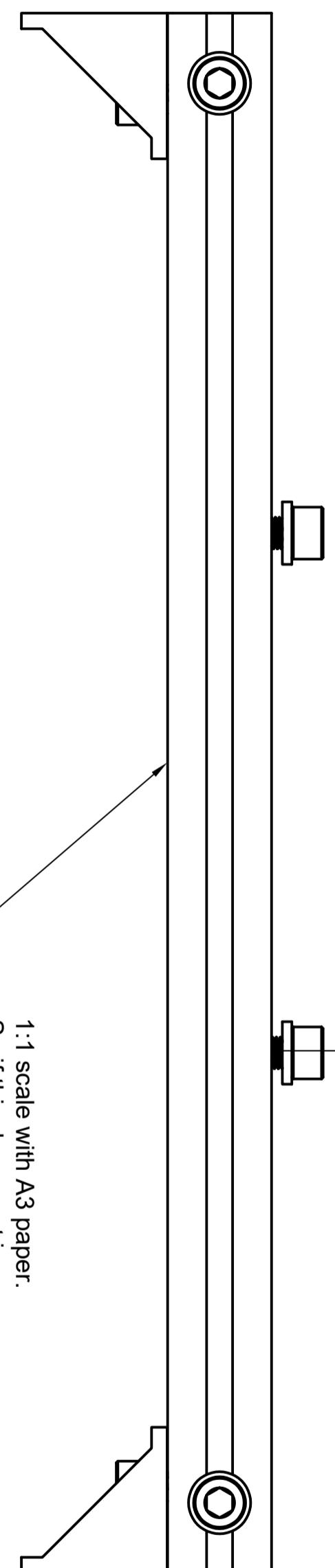
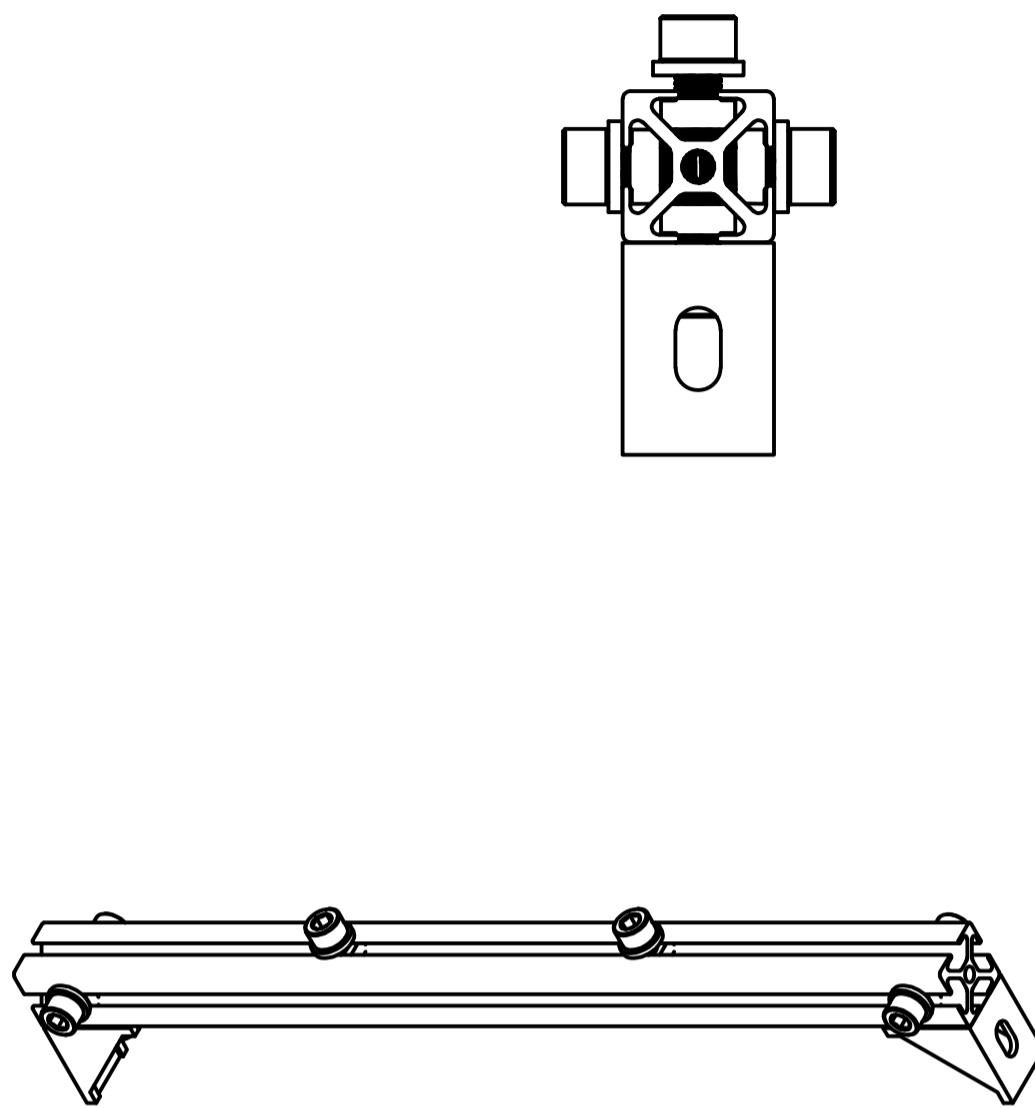


Should look like this



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Title		Document status
Step 5 view 1 of 2		DWG No.
	Rev.	Date of issue
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they should align



## Step 5 view 2 of 2

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Step 6A. Assemble 2 Step 1 parts  
with 1 Step 4 part

A (1:1)

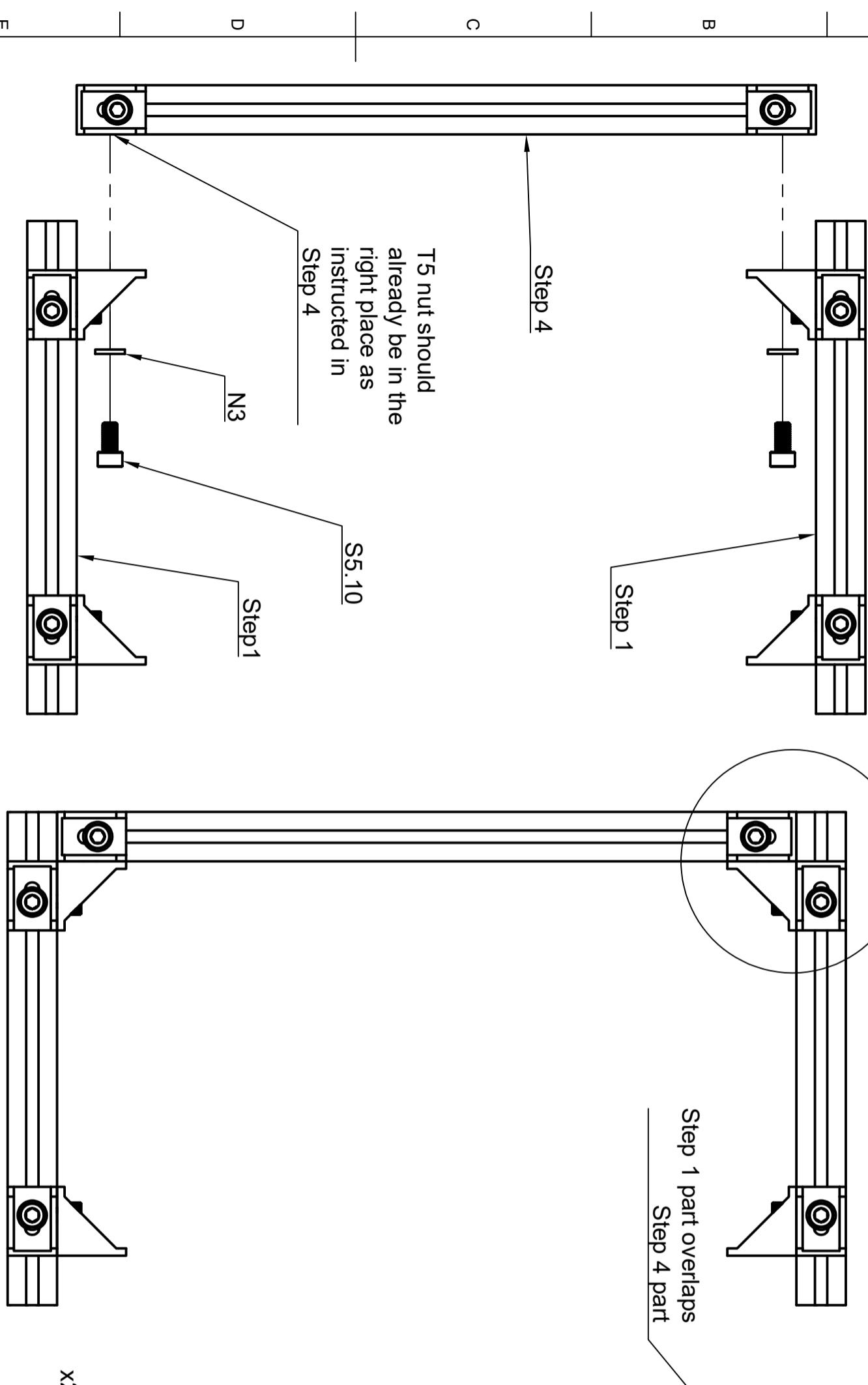
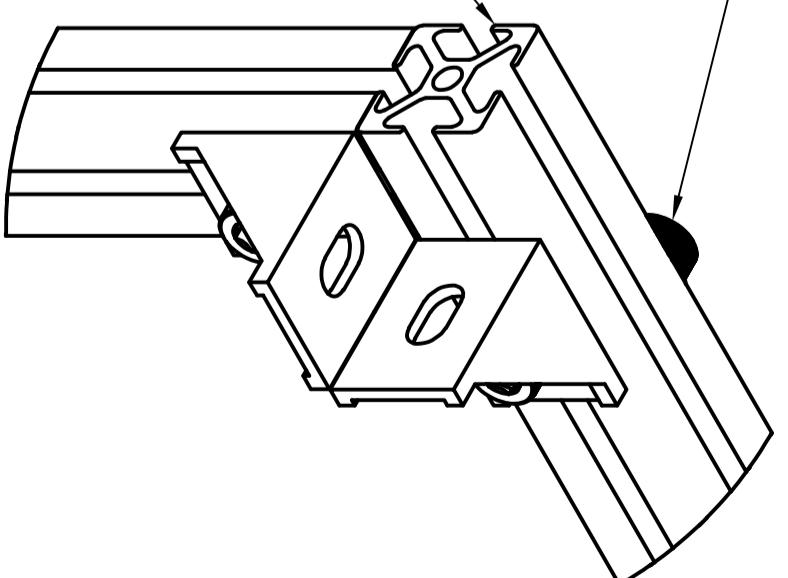
Should look like this

Note direction of  
these screws

Step 1

Step 4

Step 1 part overlaps  
Step 4 part



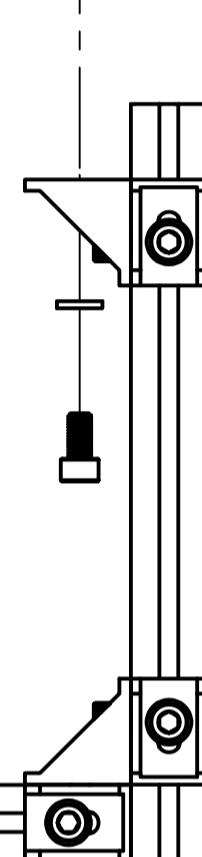
Note the orientation of both the Step 1 and Step 4 parts. Especially the Step 1 parts.

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Title		
Step 6 A		
Rev.	Date of issue	Sheet
		11

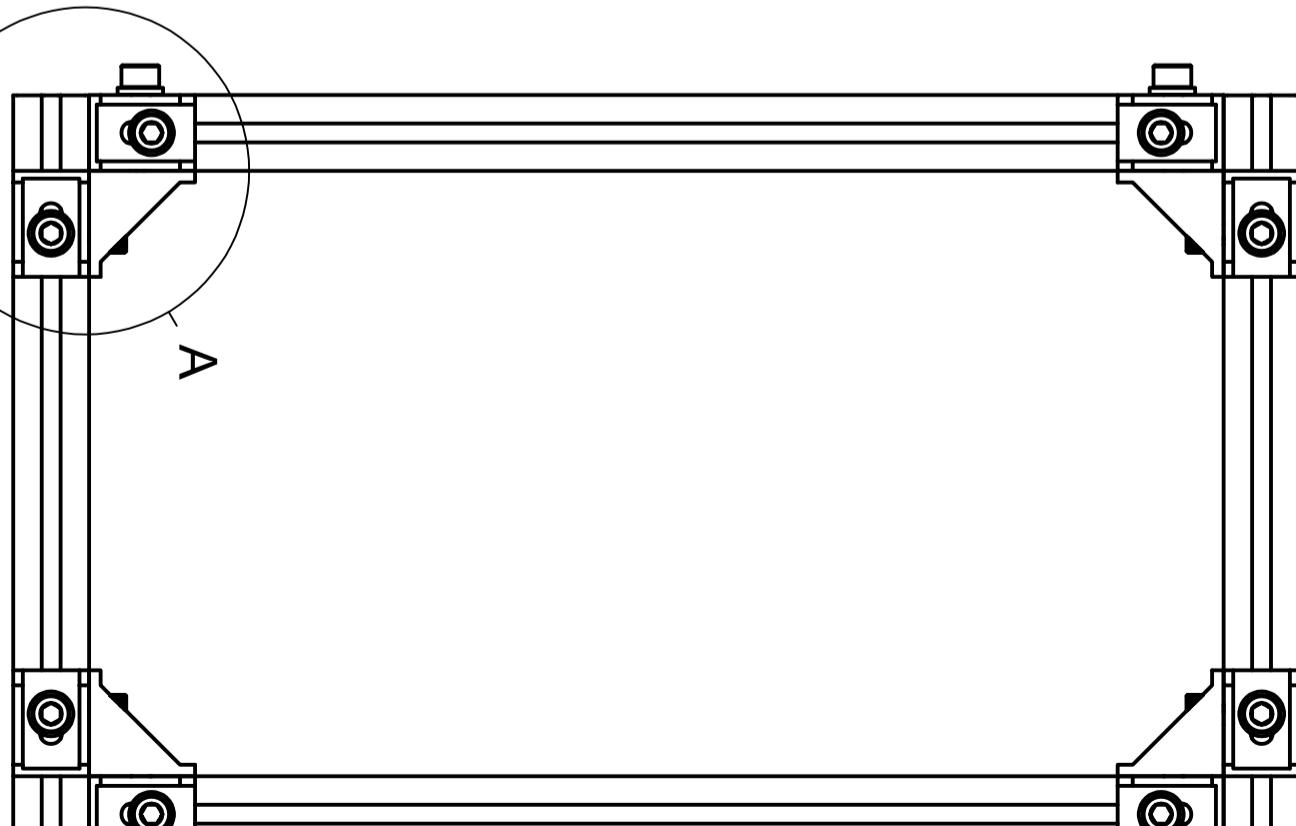
Step 6B. Attach  
Step 5 part to part  
6A

Step 5

Step 6A



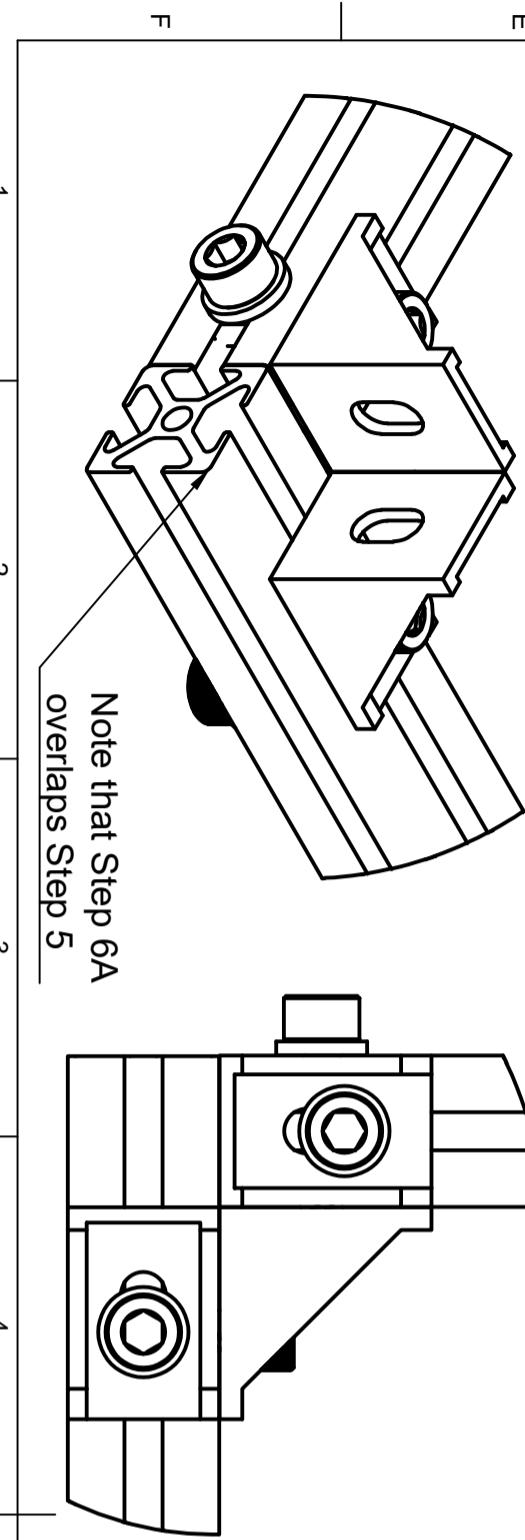
Should look like this



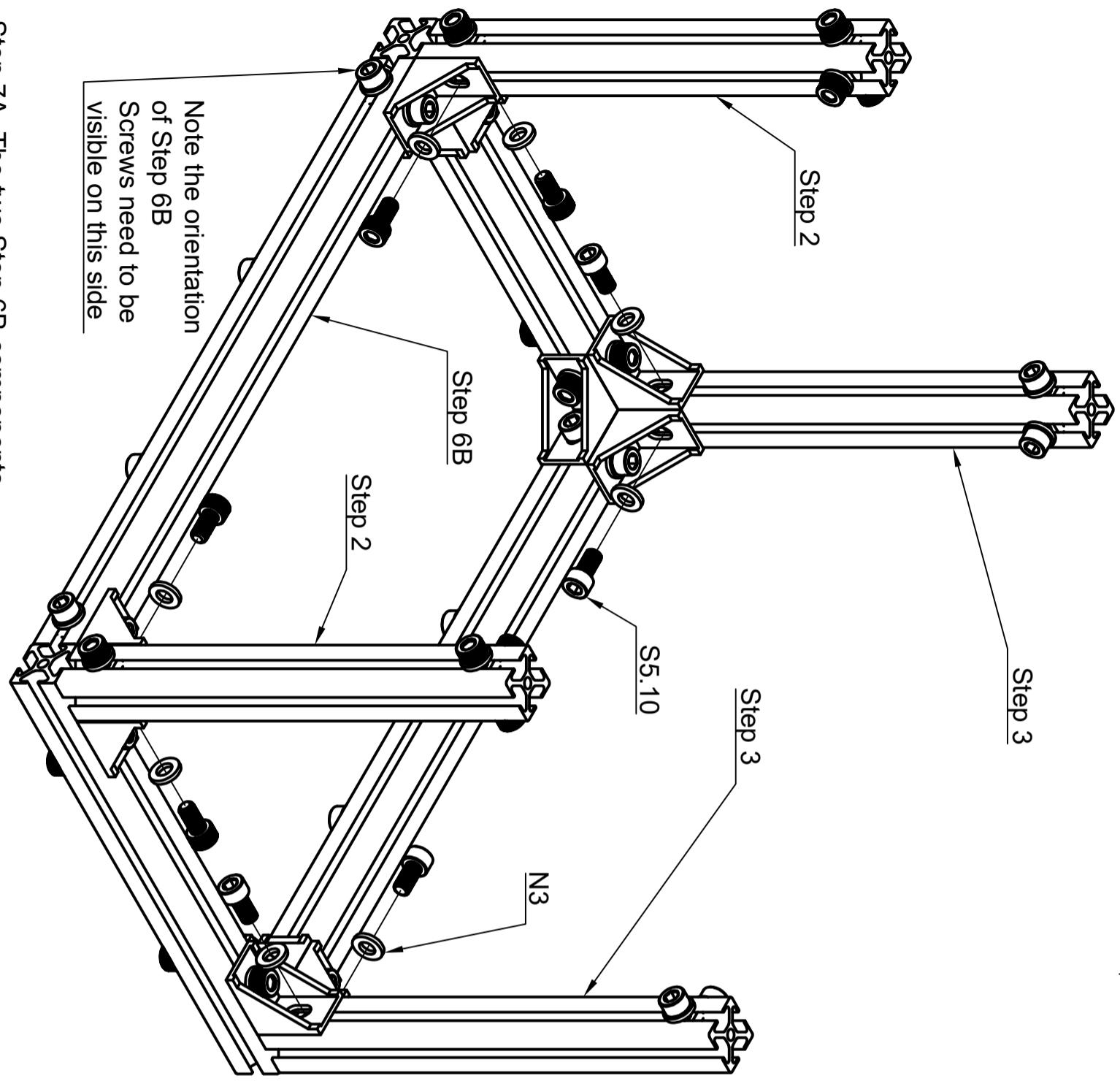
A (1:1)

X2

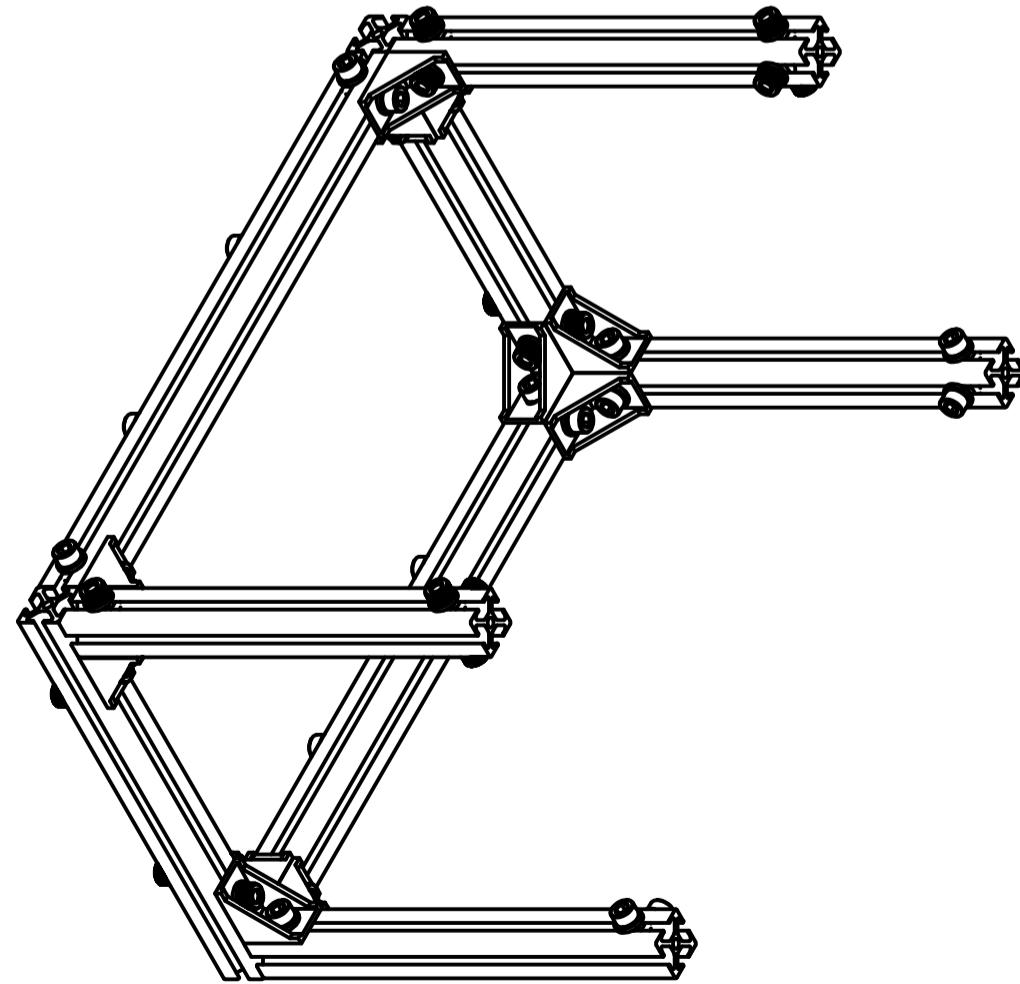
Note that Step 6A  
overlaps Step 5



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Title	Document status	
Step 6 B	DWG No.	
	Rev.	Date of issue
		Sheet 12



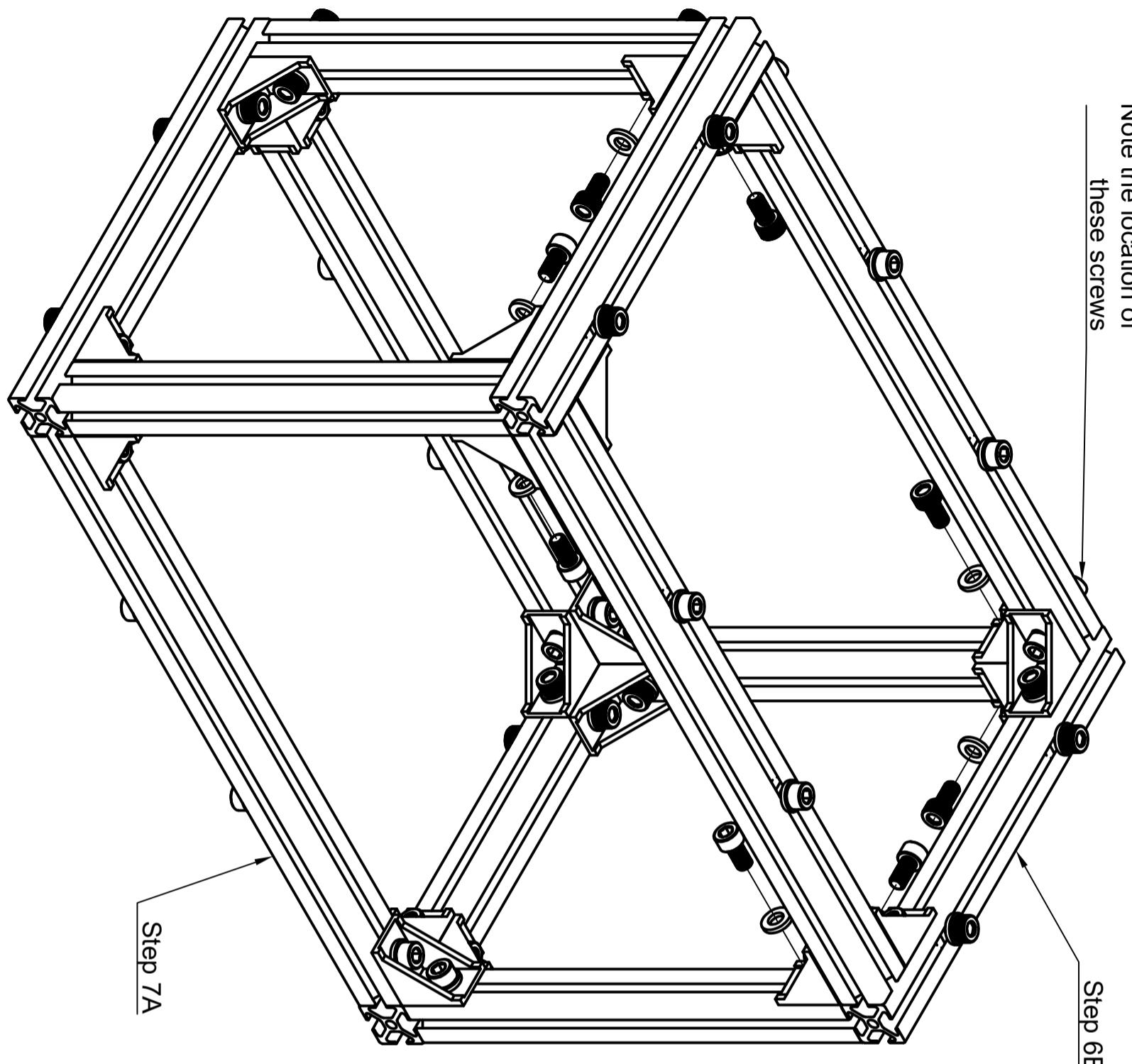
Step 7A. The two Step 6B components  
will be connected together with two Step 2  
parts and two Step 3 parts



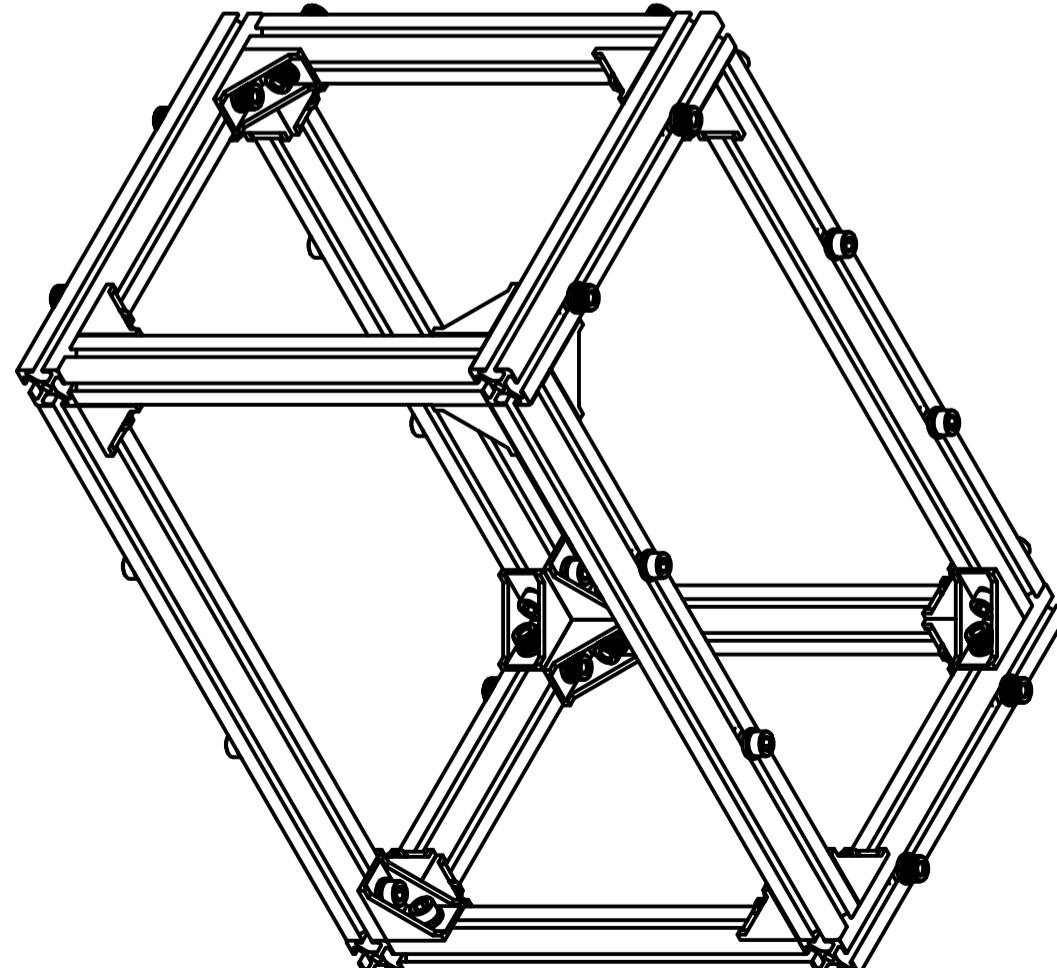
Should look like this

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Title	DWG No.	
Step 7 A		
Rev.	Date of issue	Sheet
		13

Note the location of  
these screws



Should look like this

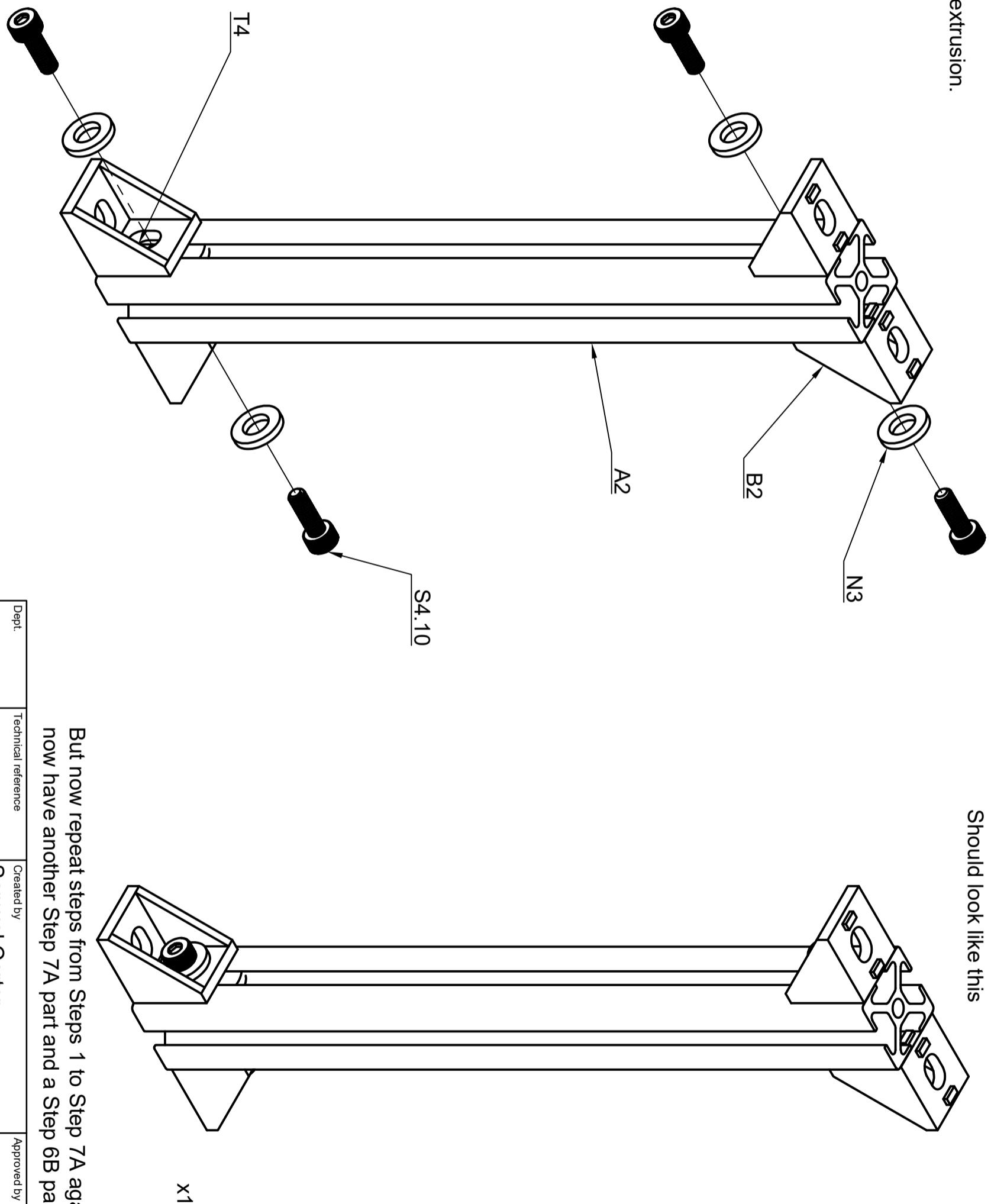


Step 7B. Connect the other Step 6B component. Like Step 7A. Be careful with the orientation of Step 6B

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Title	Document status	
Step 7 B	DWG No.	
	Rev.	Date of issue
		Sheet 14

Step 8A. Prepare 1 (A2) extrusion.  
This is used for the back compartment

Should look like this



But now repeat steps from Steps 1 to Step 7A again to now have another Step 7A part and a Step 6B part

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Title	Step 8 A	DWG No.	
Rev.	Date of issue	Sheet	15

Step 8B. Attach Step 8A to Step 7A

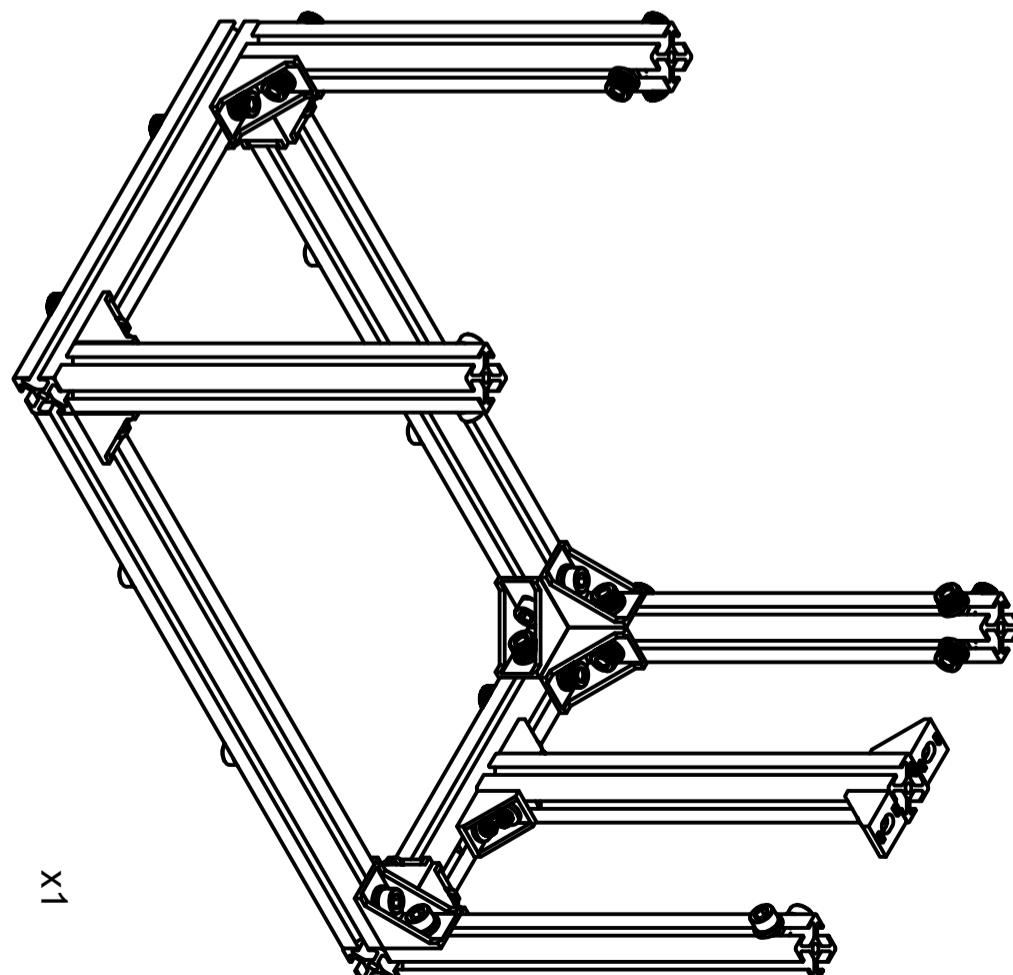
Note the location  
of the screws

Step 8A

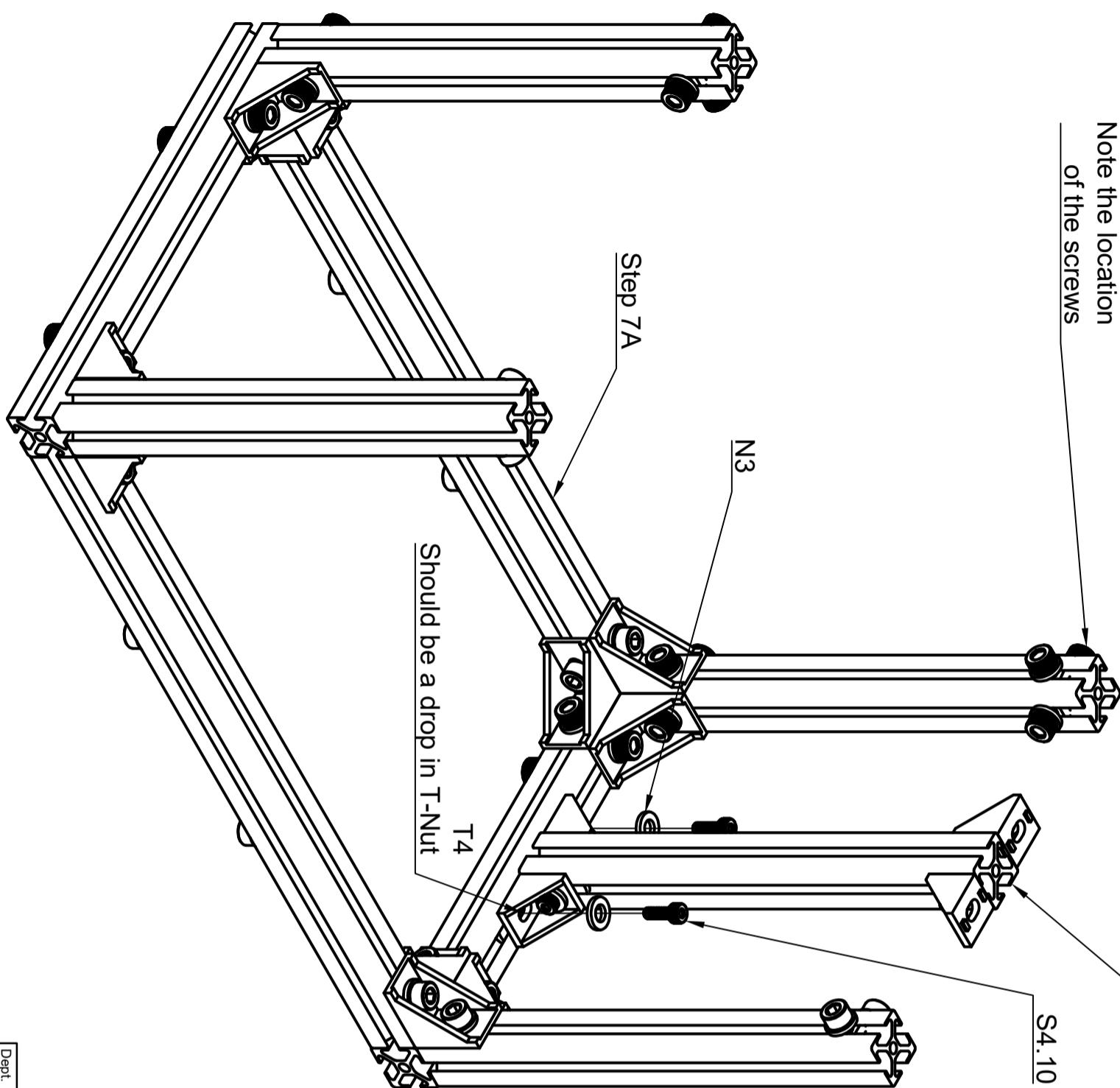
Should be a drop in T-Nut

T4

N3

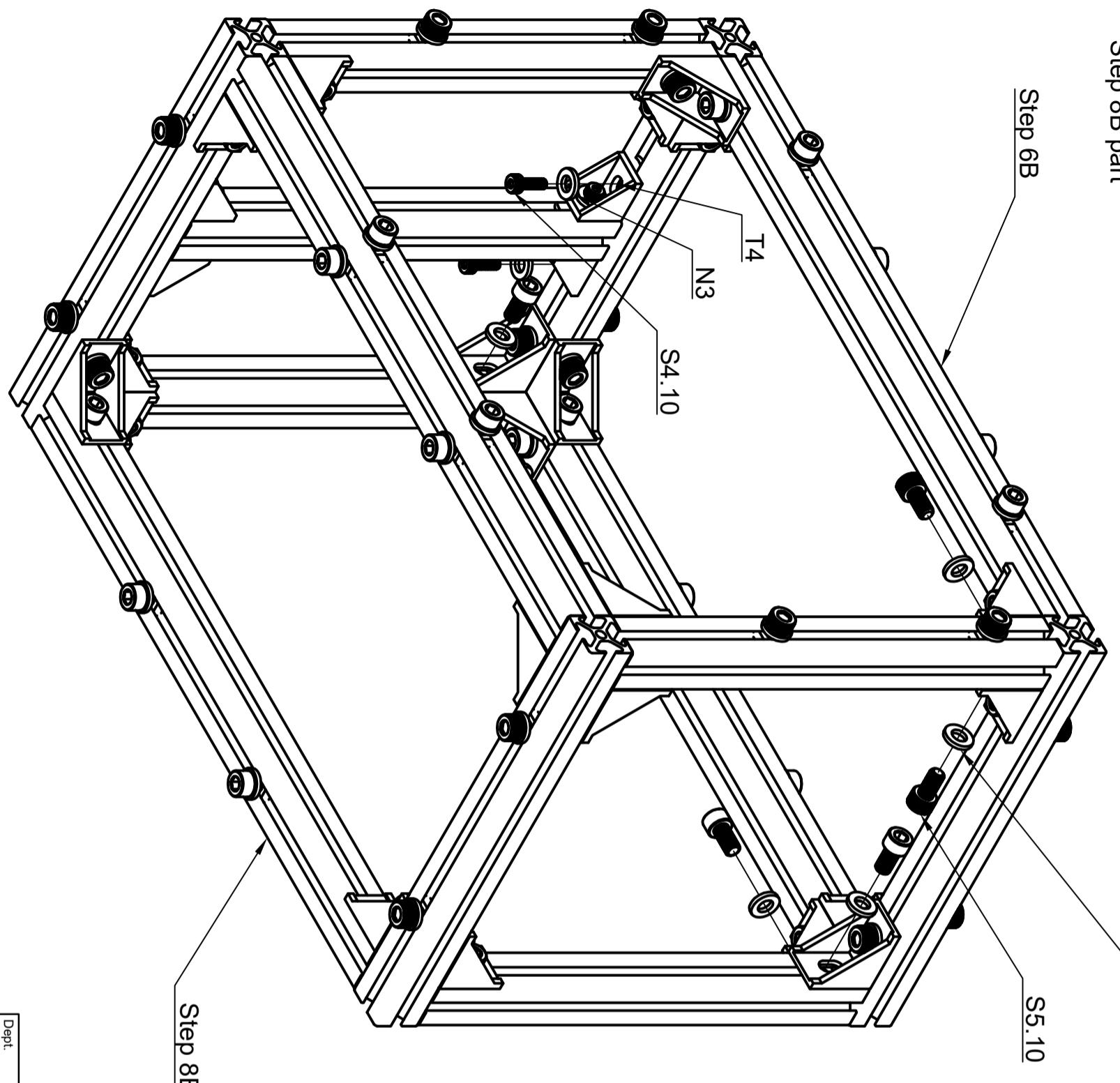


Should look like this

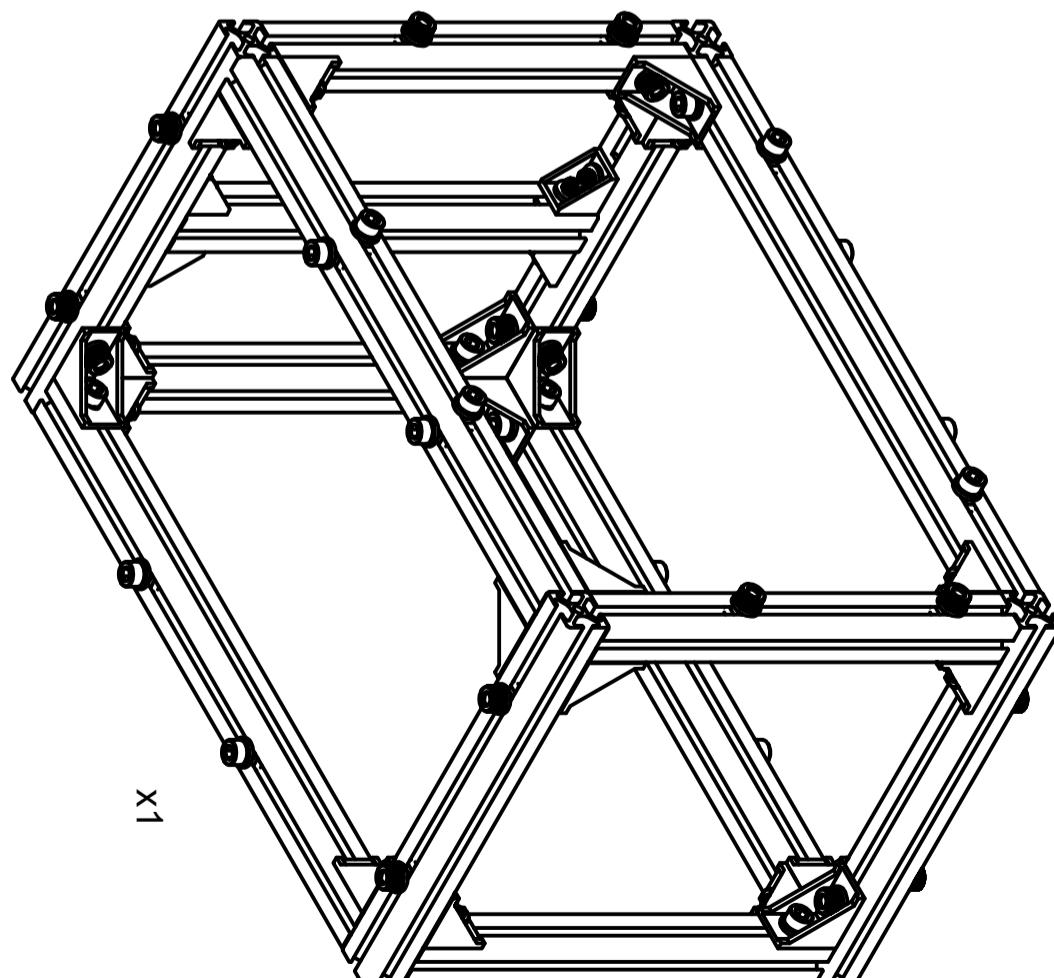


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Title	DWG No.	
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Step 8C. Attach 6B part  
Step 8B part

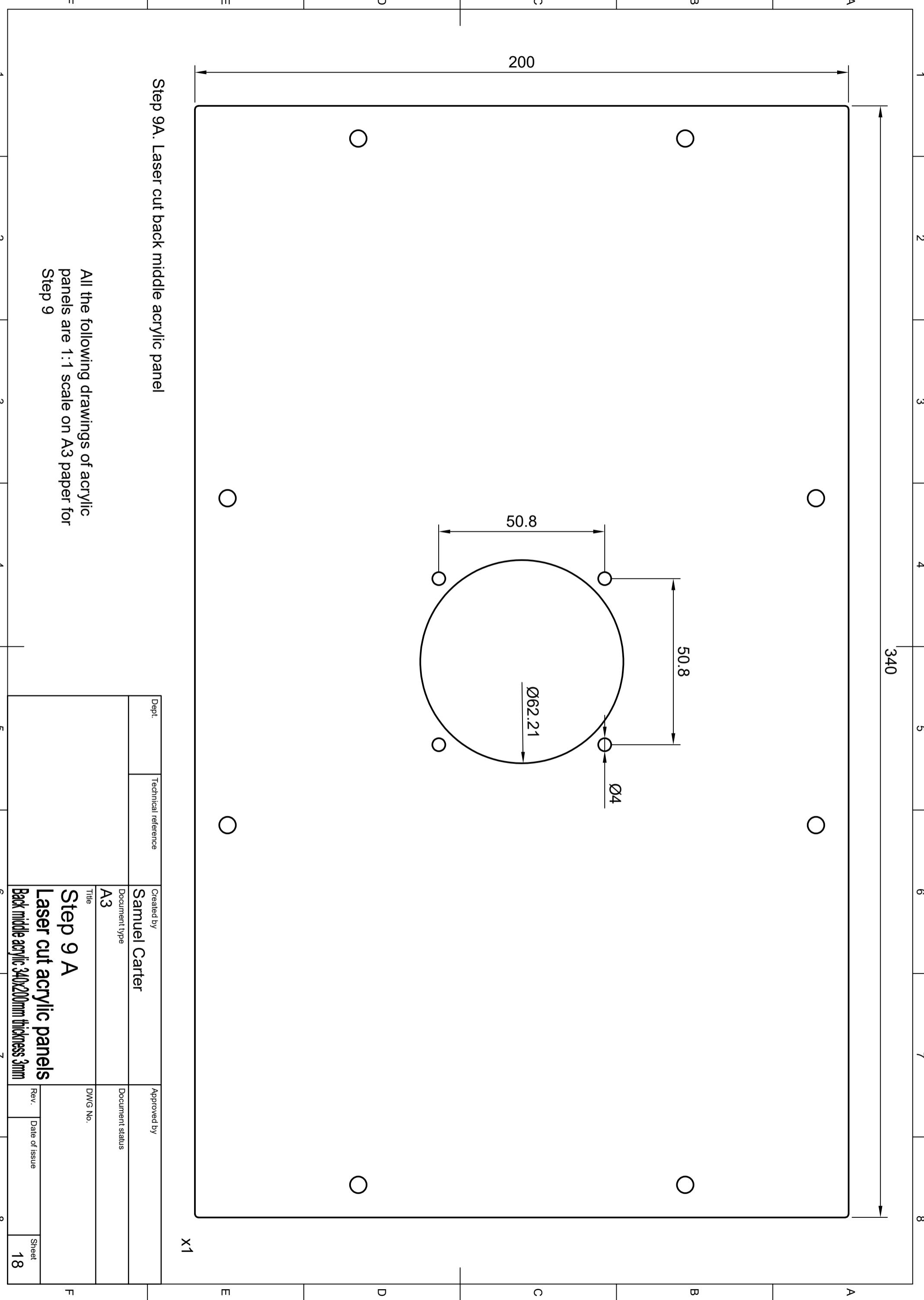


Should look like this

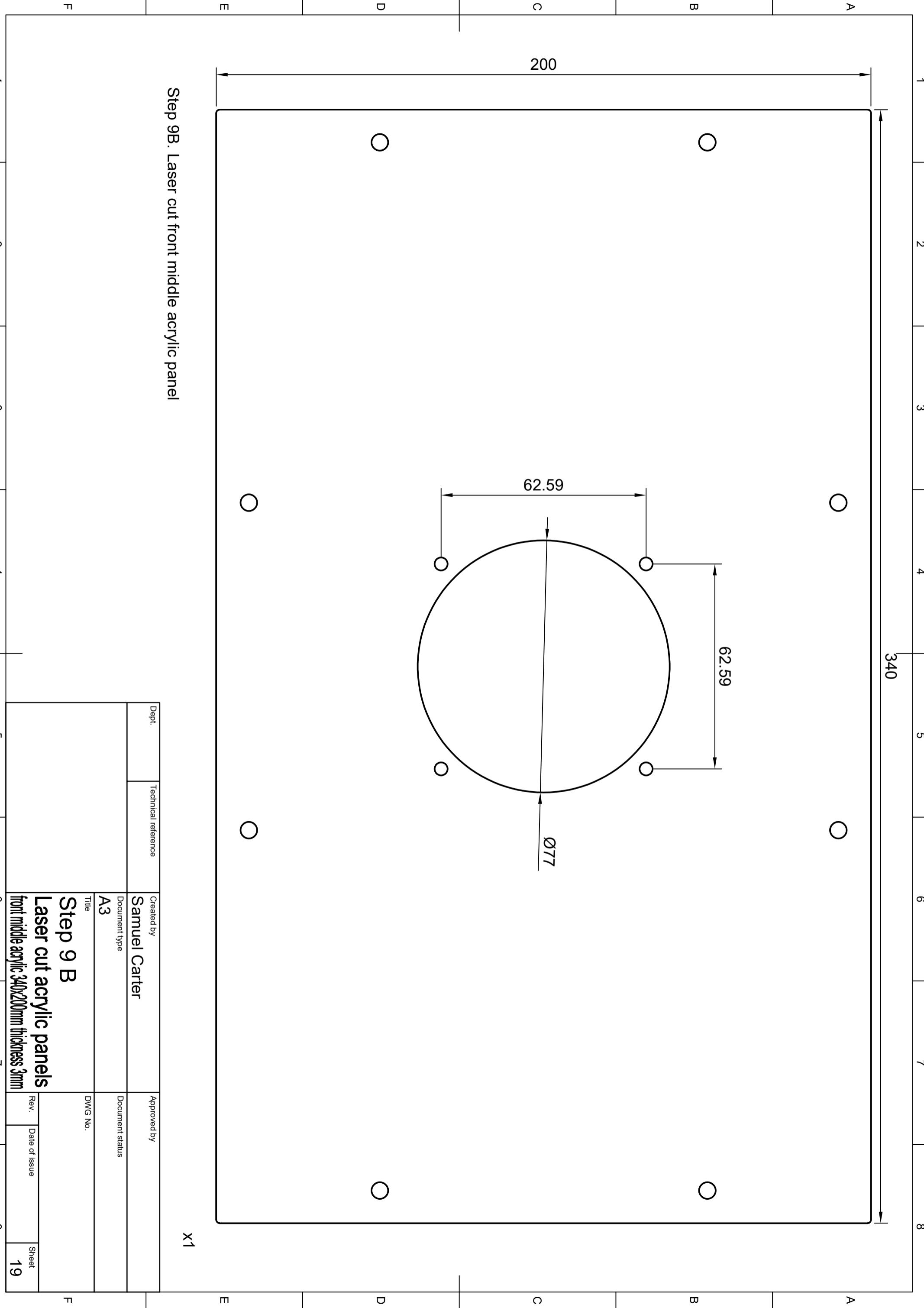


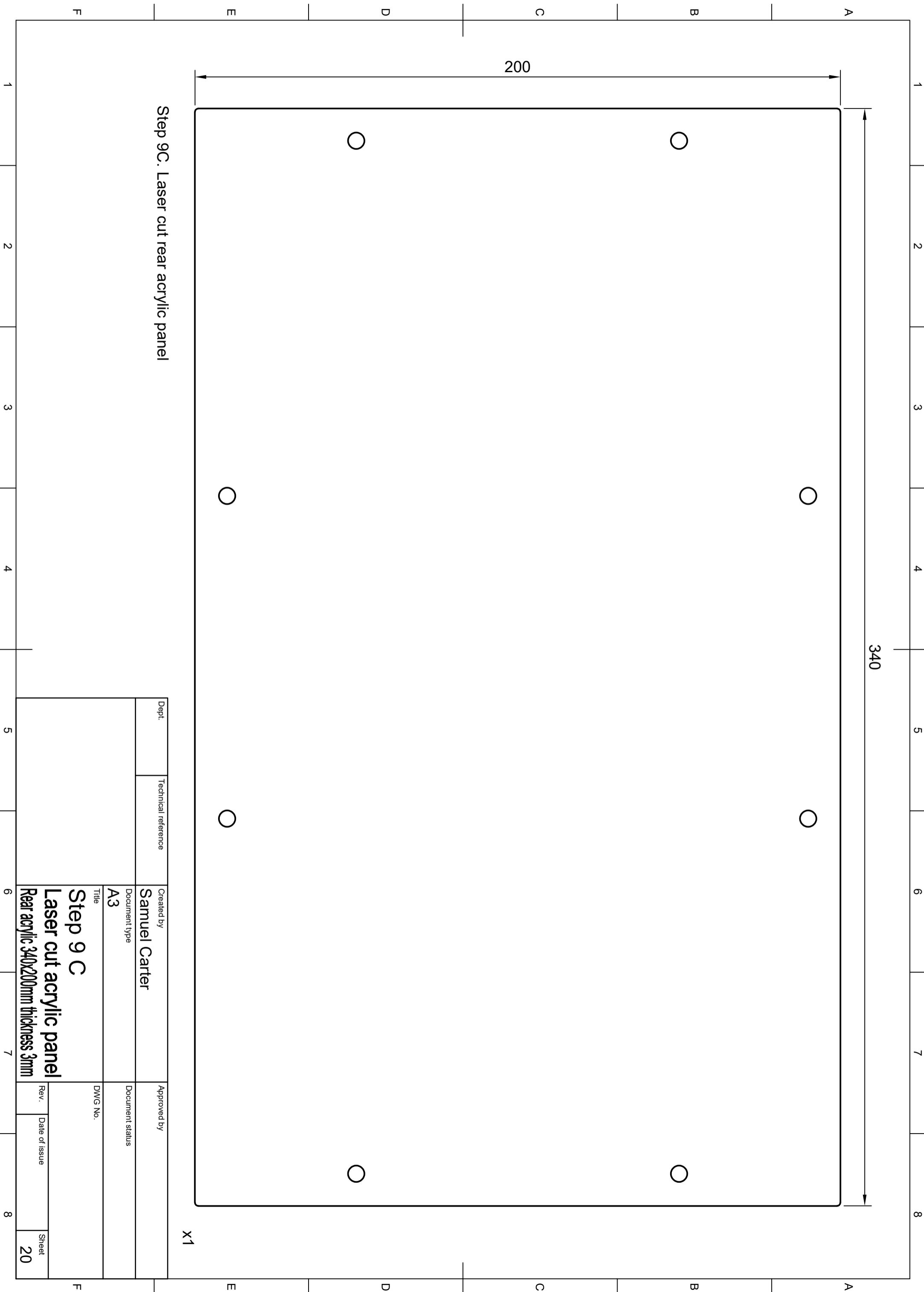
x1

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Title	Step 8 C	DWG No.	
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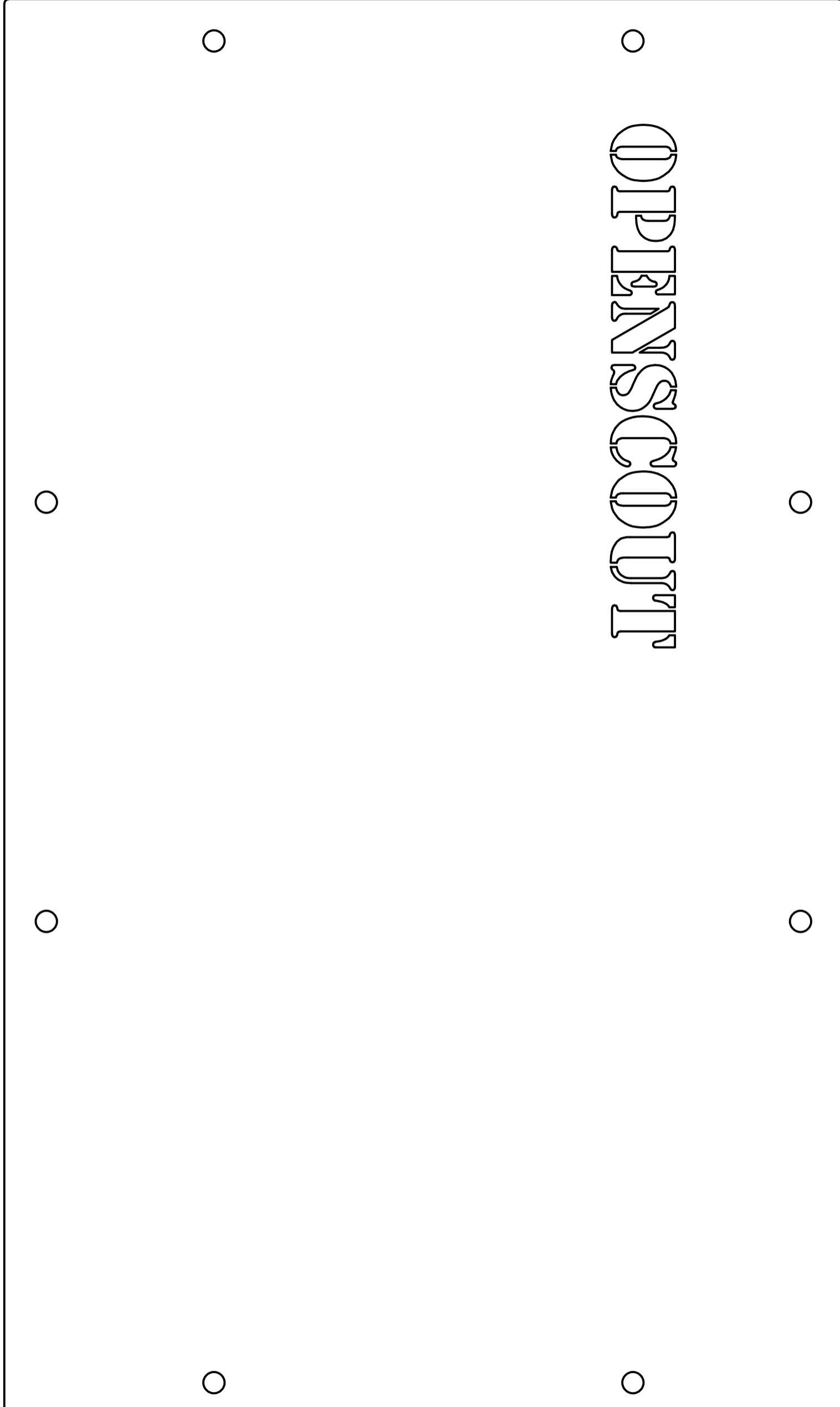


**Step 9B. Laser cut front middle acrylic panel**



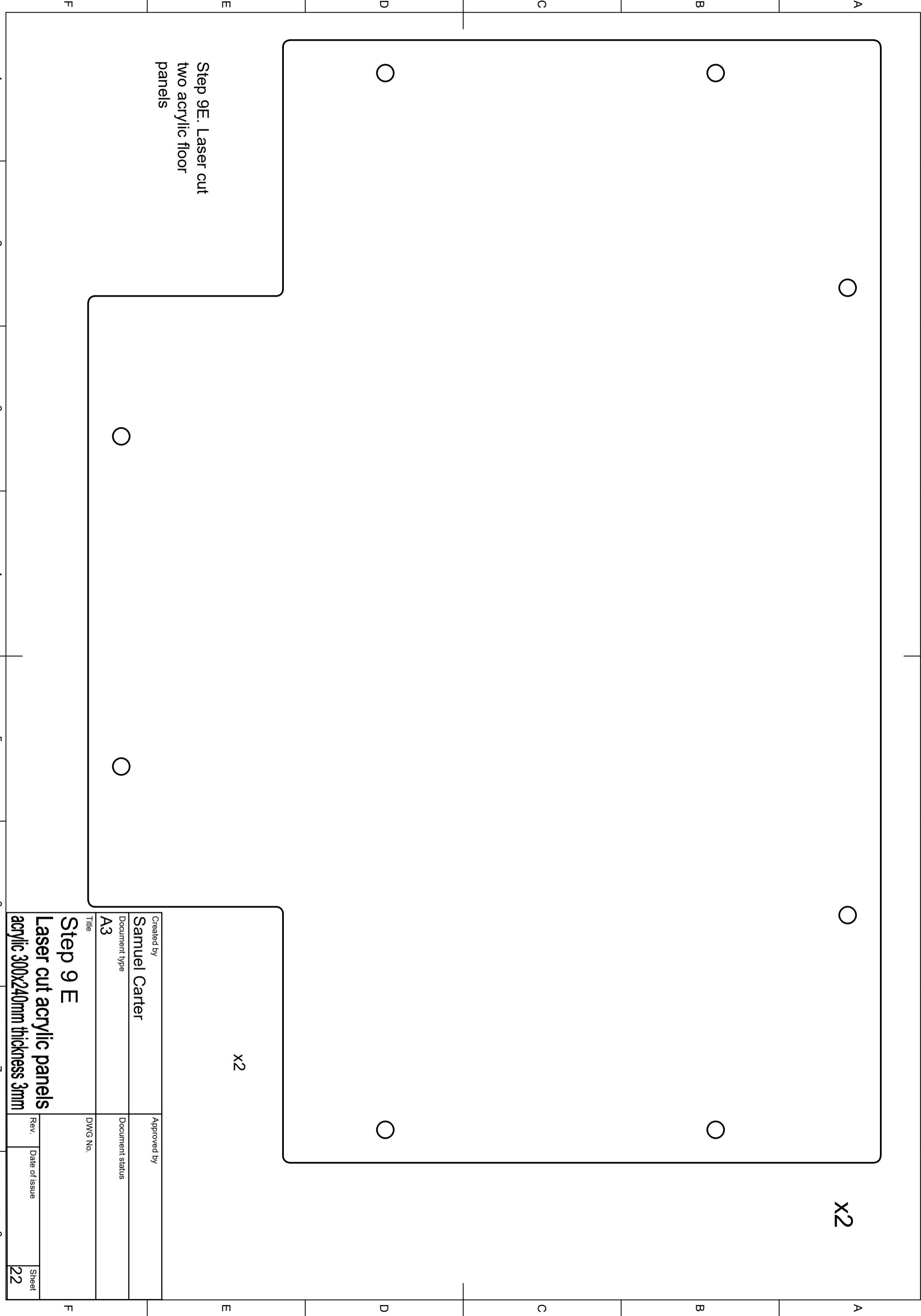


OPIENSCHUJIT

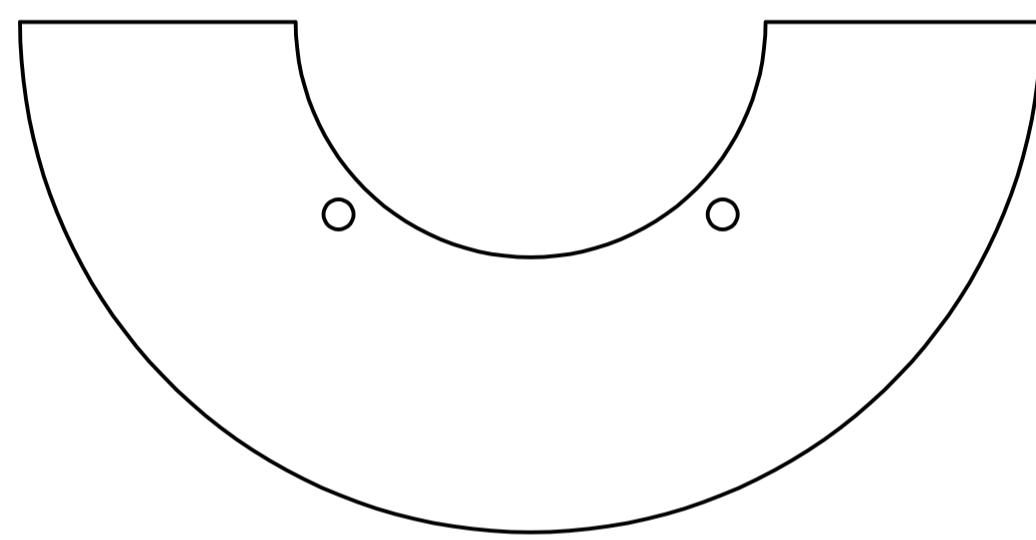


Step 9D. Laser cut front acrylic panel

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A3			
Title	DWG No.		
Step 9 D			
Laser cut acrylic panels			
front acrylic 340x200mm thickness 3mm	Rev.	Date of issue	Sheet
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Step 9F. Laser cut 4 of these  
acrylic spacer panels on 3mm  
acrylic

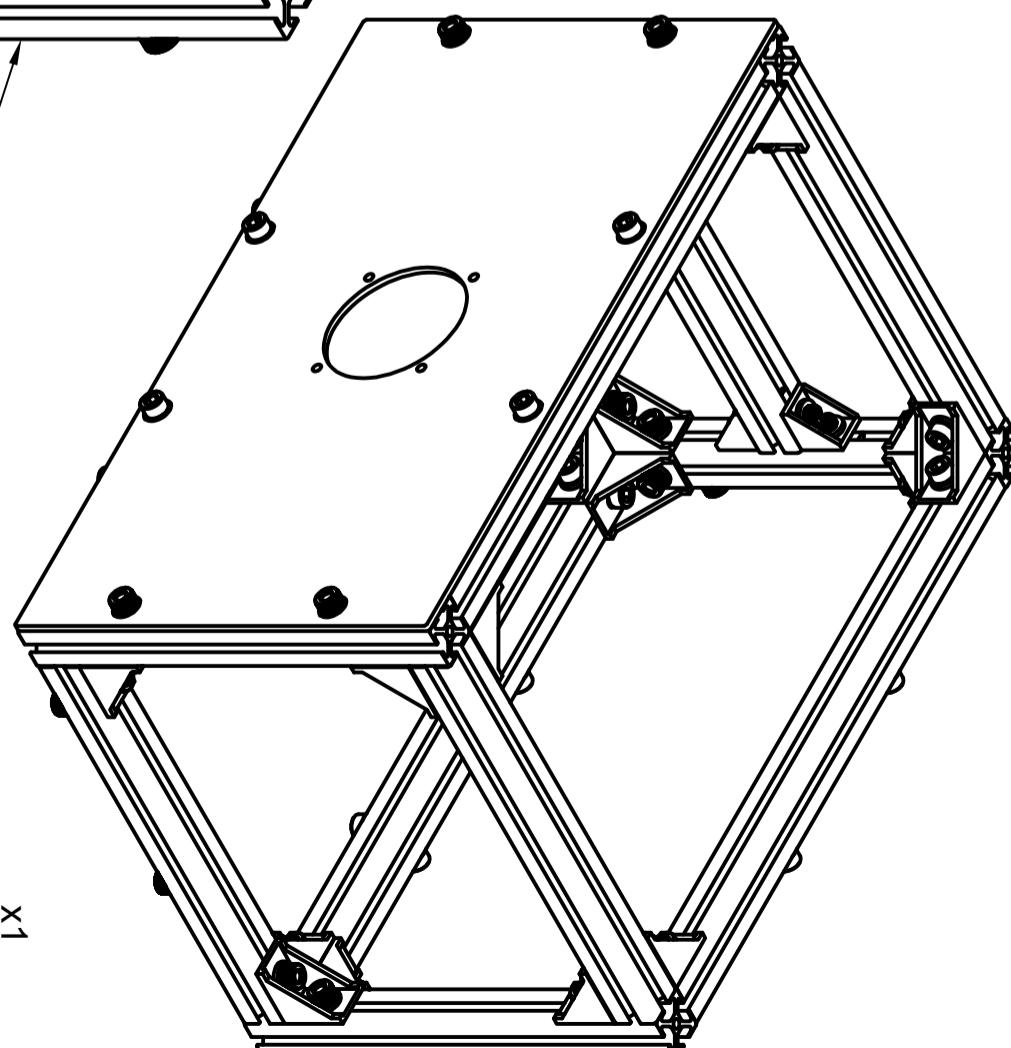
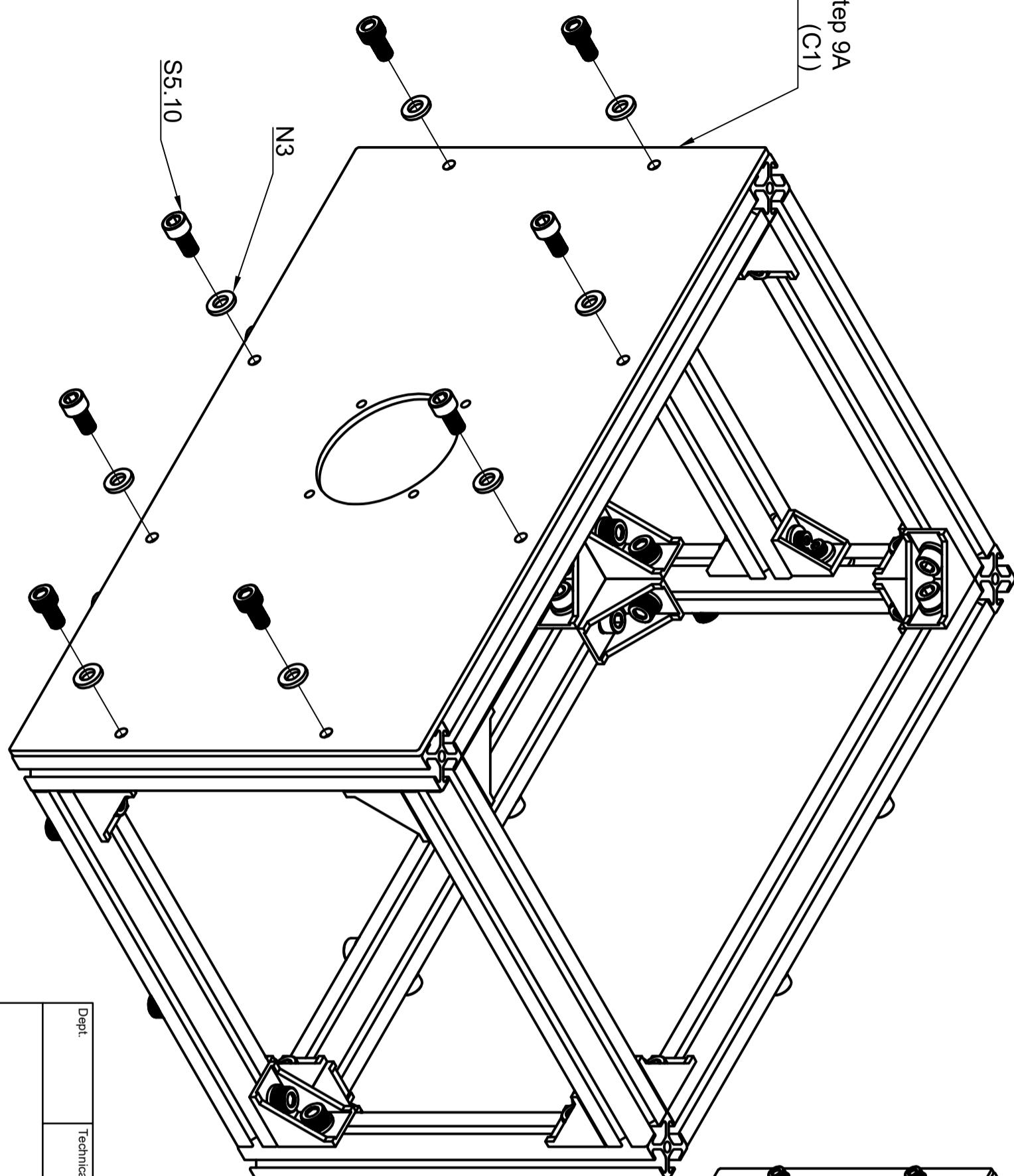


X4

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Document type	A3		Document status
Title	Step 9F		DWG No.
Laser cut acrylic panels	Acrylic spacers	Rev.	Date of issue
			Sheet 23

Step 10. Fit the Back middle panel to the Rear compartment

Should look like this



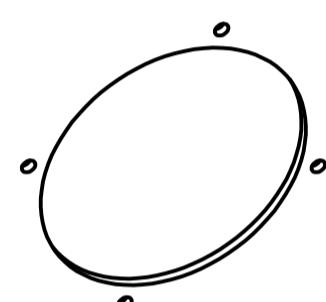
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		Samuel Carter 13/04/2022
Document type		Approved by
A3		
Title		
<b>Step 10 Back Compartment</b>		
Rev.	Date of issue	Sheet
		24

Step 10 Front Compartment. Fit front middle panel to the front compartment

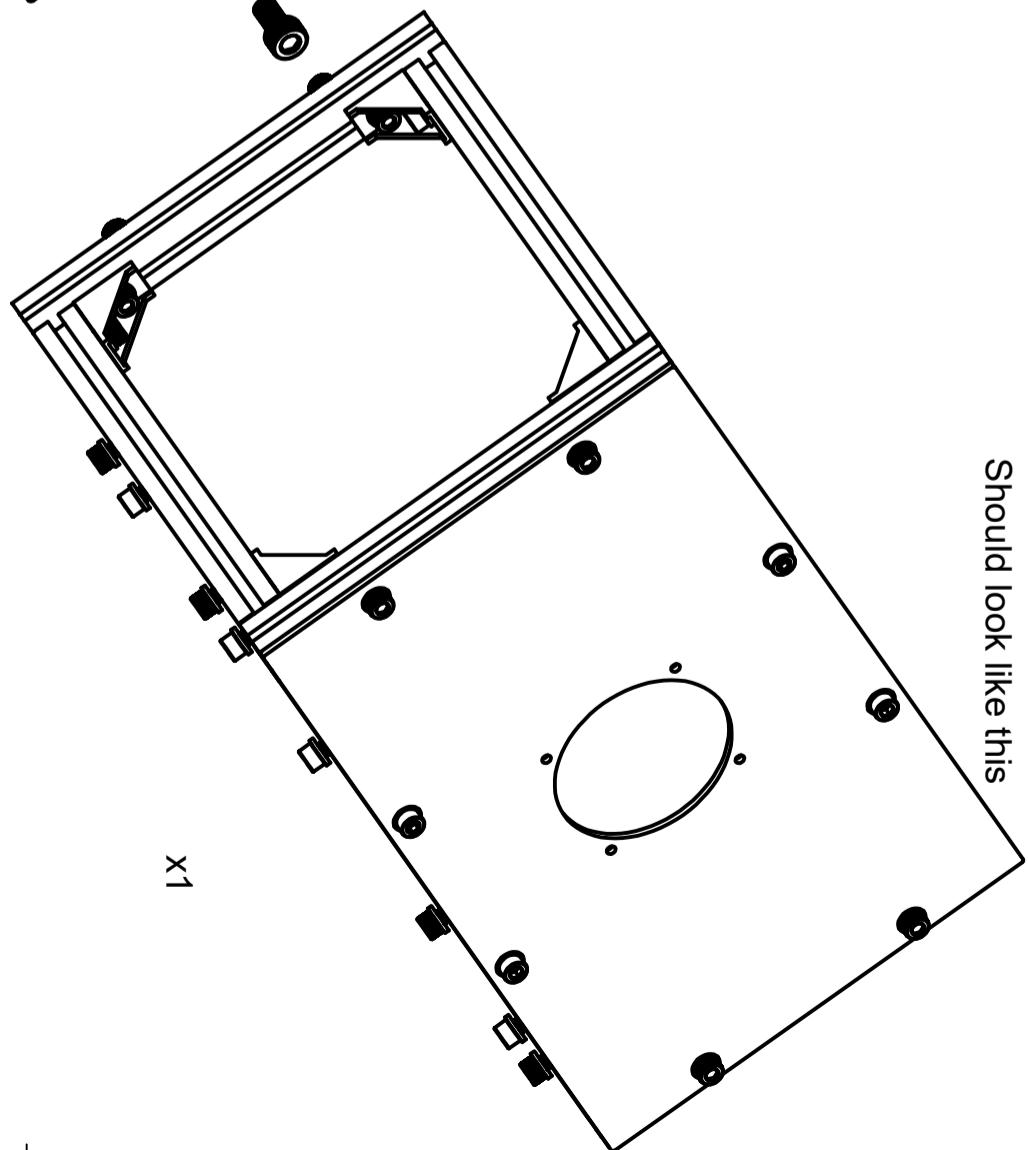
S5.10

Should look like this

Step 7B

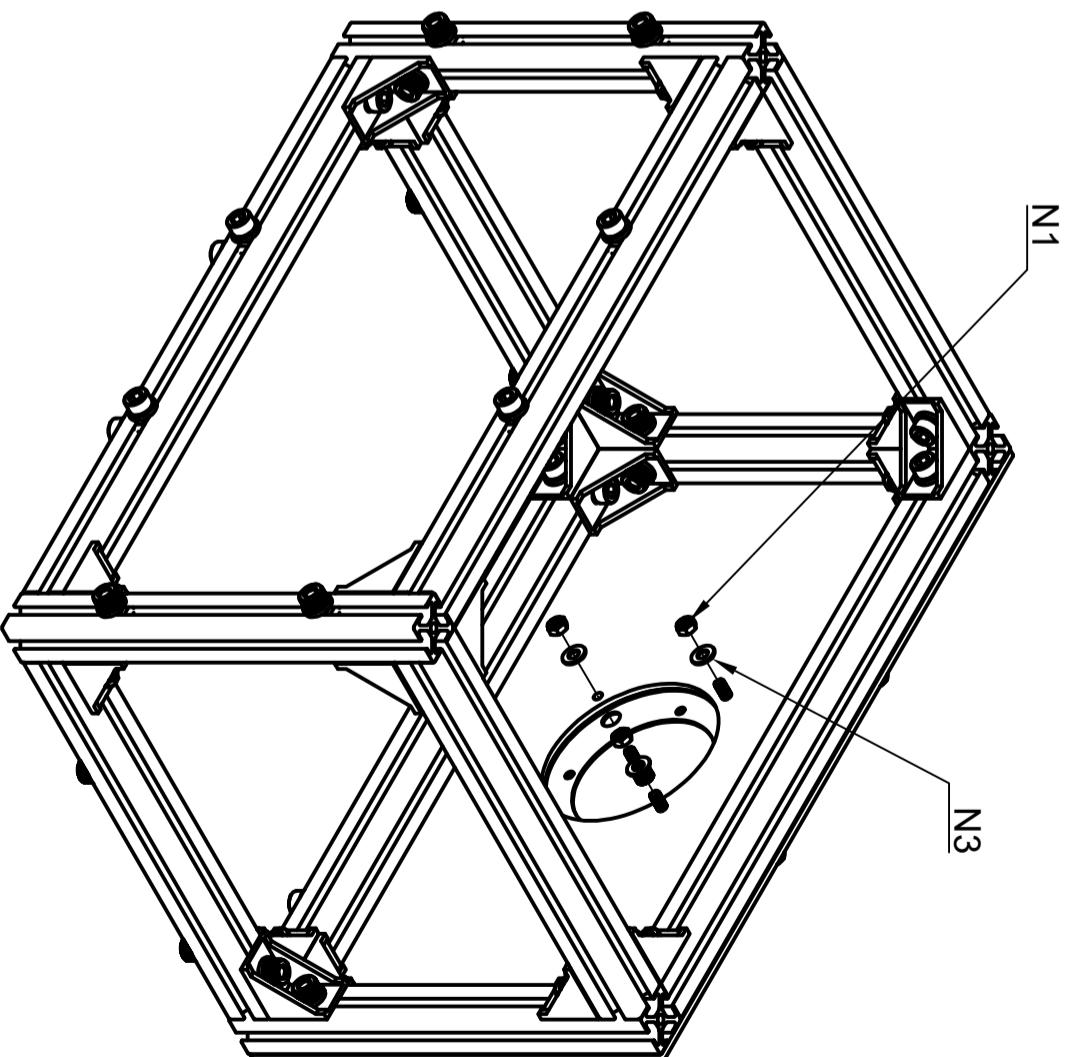
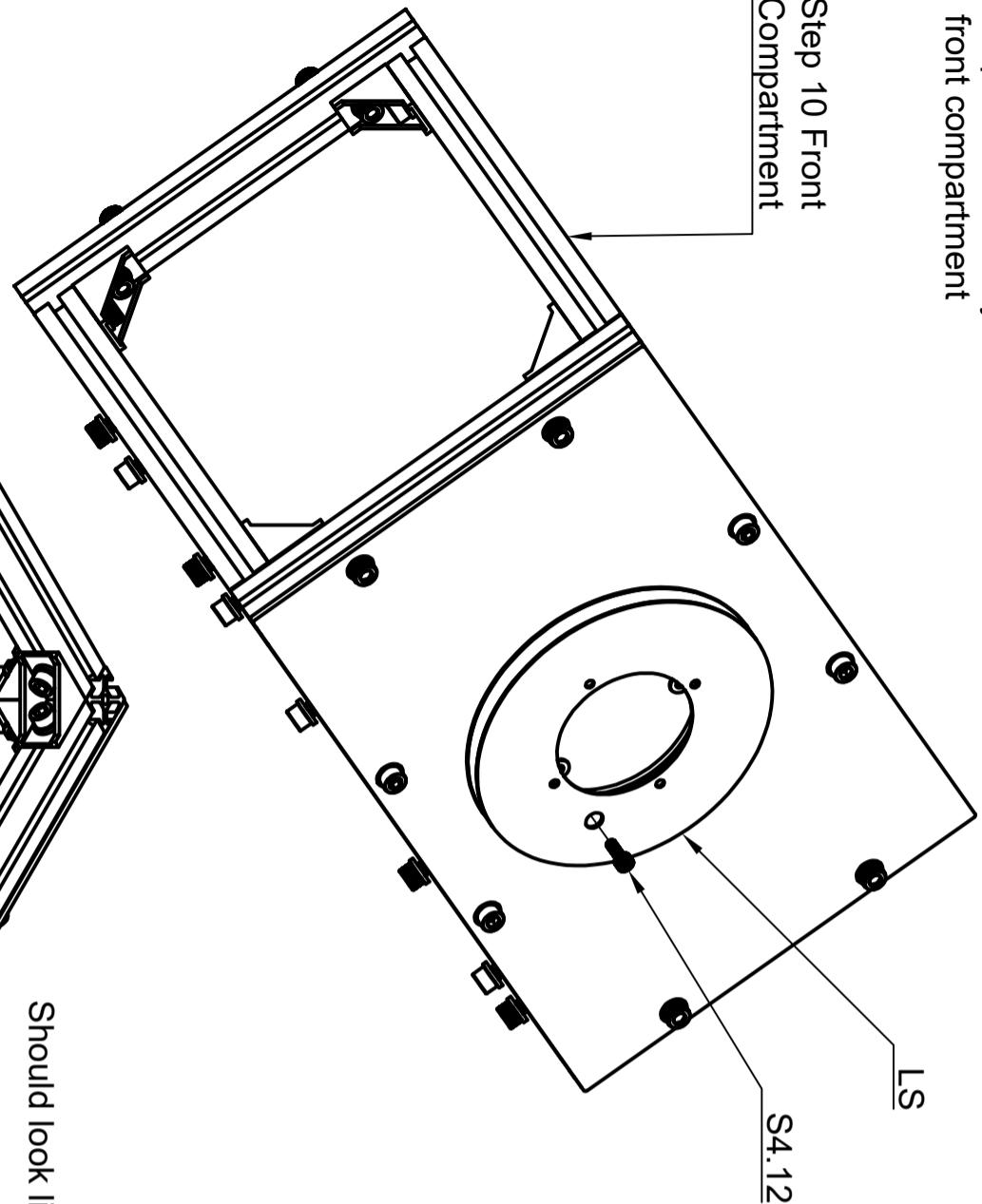
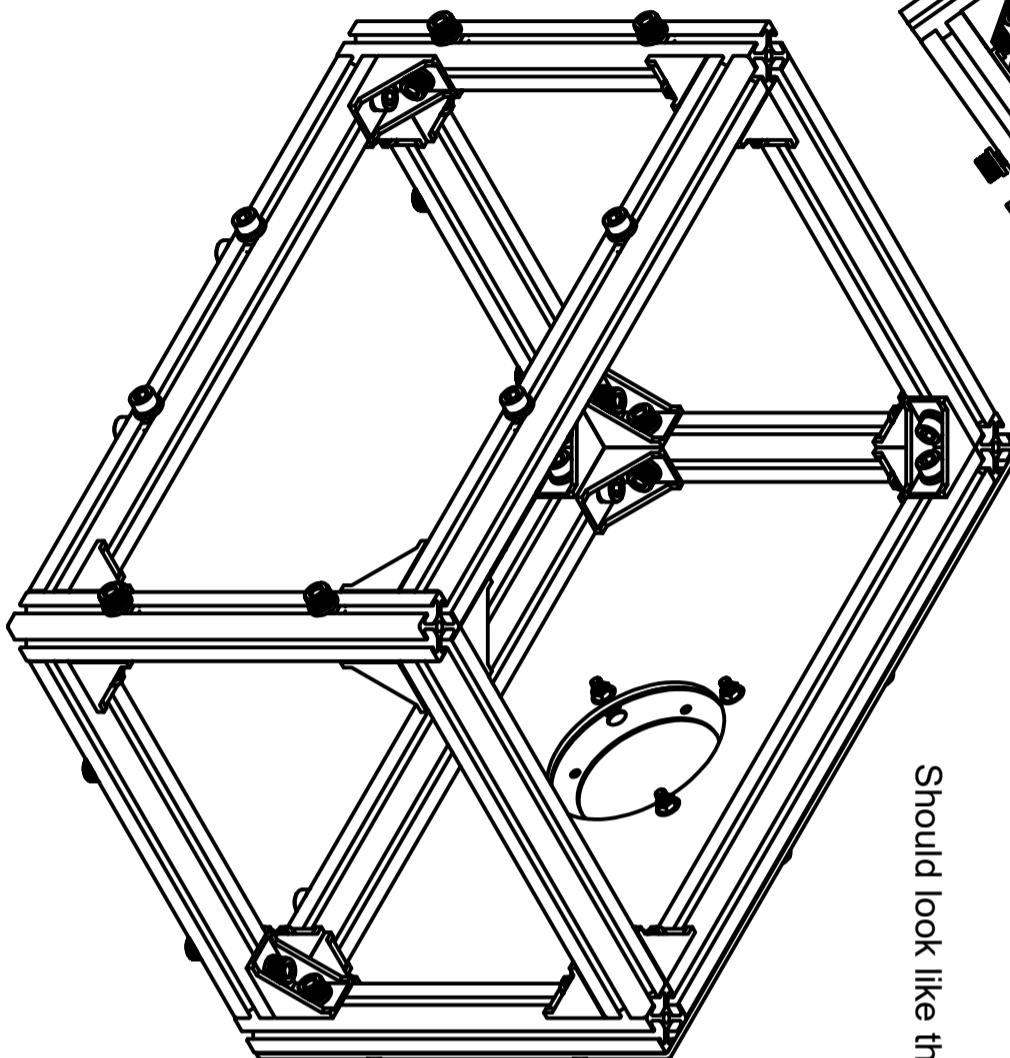


Step 9B  
(C1)



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Document type	A3	Document status	
Title	<b>Step 10 Front Compartment</b>		
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Step 11. Fit the lazy susan to the front compartment



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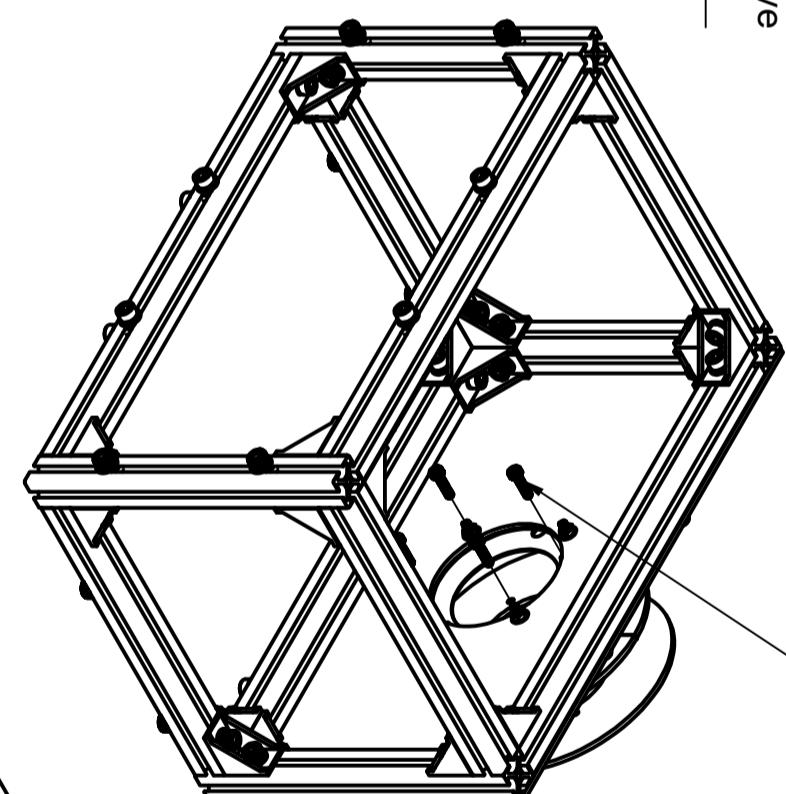
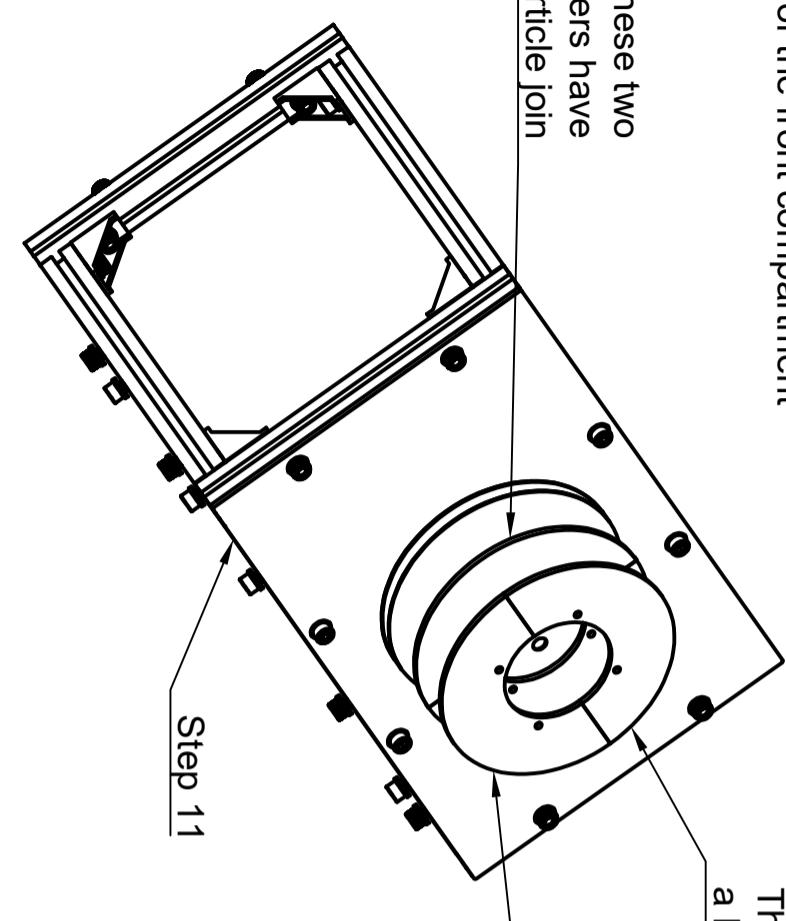
Step 12A. Attach acrylic spacers to the back of the front compartment

These spacers have a horizontal join

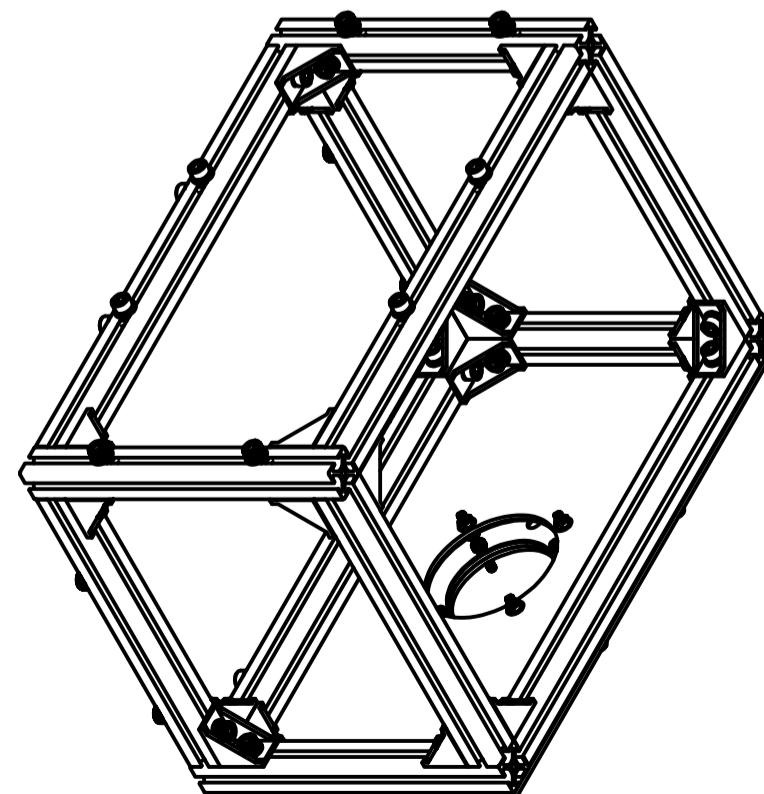
Note these two spacers have vertical join

Step 9F  
(C2.1)

S4.16



Should look like this



X1

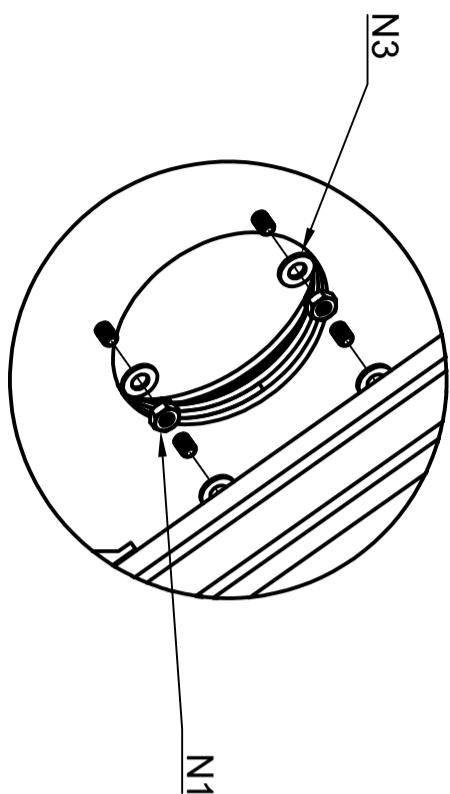
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Document type	A3	Document status	
Title	Step 12 A	DWG No.	
Rev.	Date of issue	Sheet	27

Step 12B. Attach the rear compartment to the lousy susan.

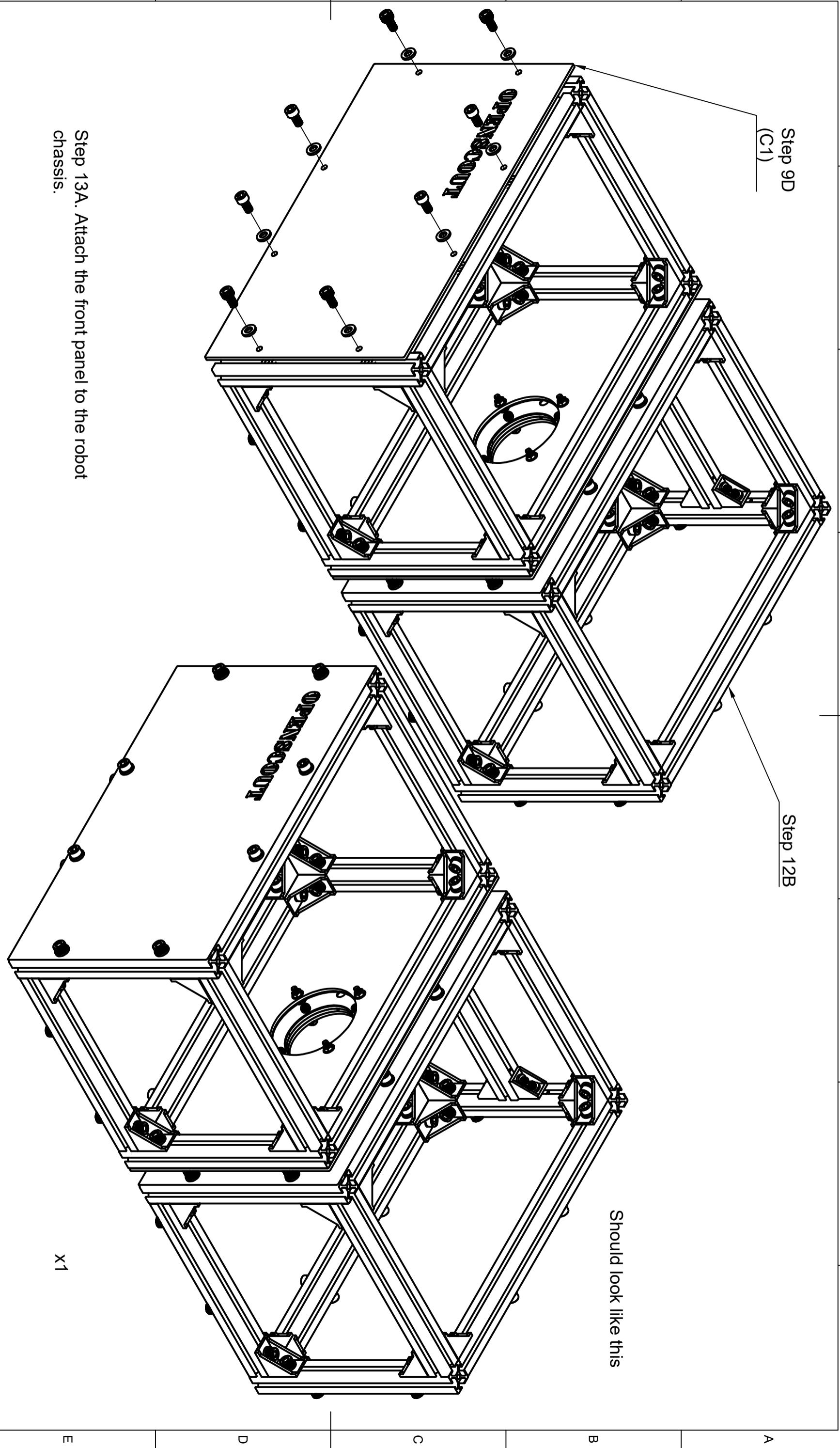
Should look like this

Step 10 Back Compartment  
Step 12A

A (1:2)



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Title	DWG No.		
Step 13 A			
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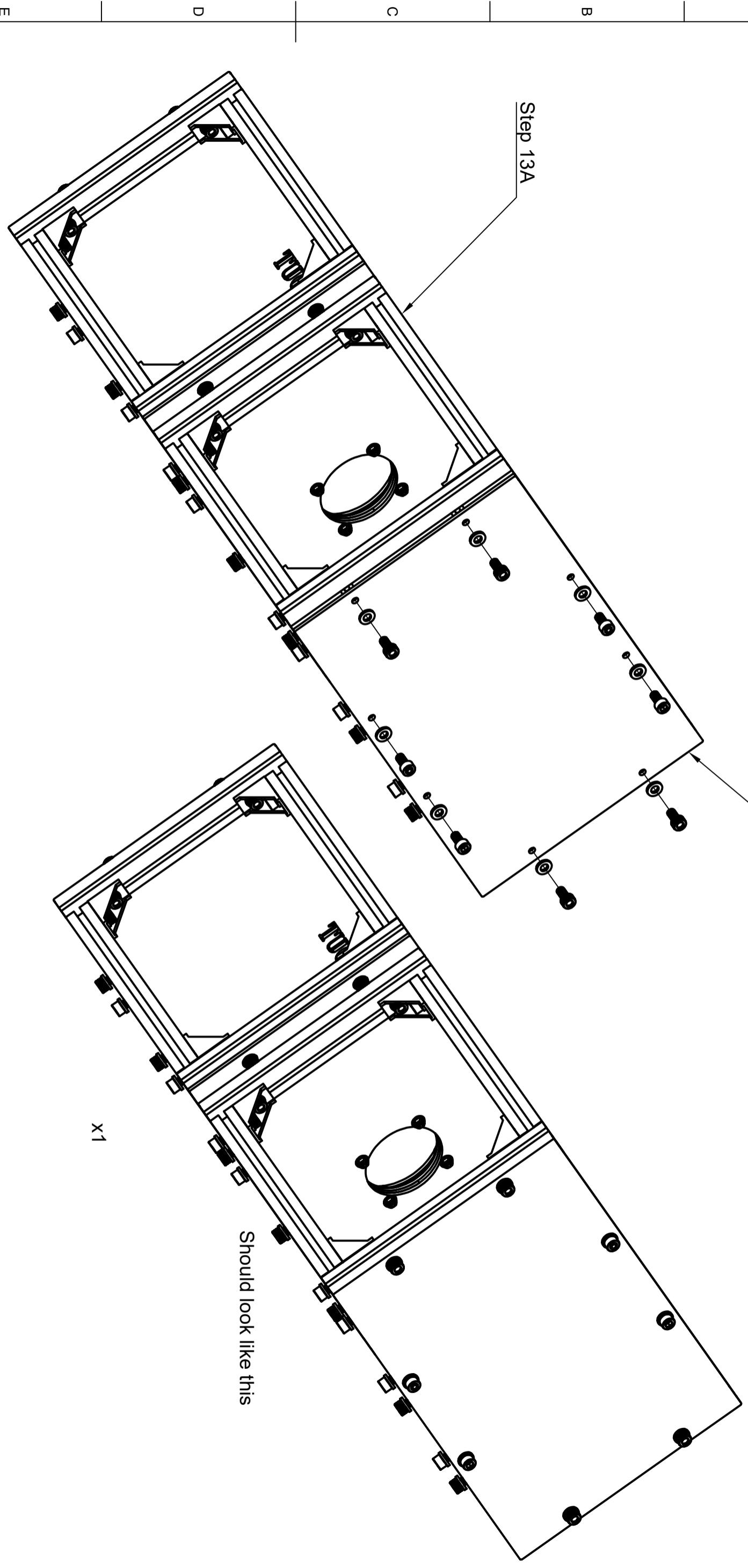
Step 13B. Attach the rear panel to the robot

Step 9C  
(C1)

Step 13A

Should look like this

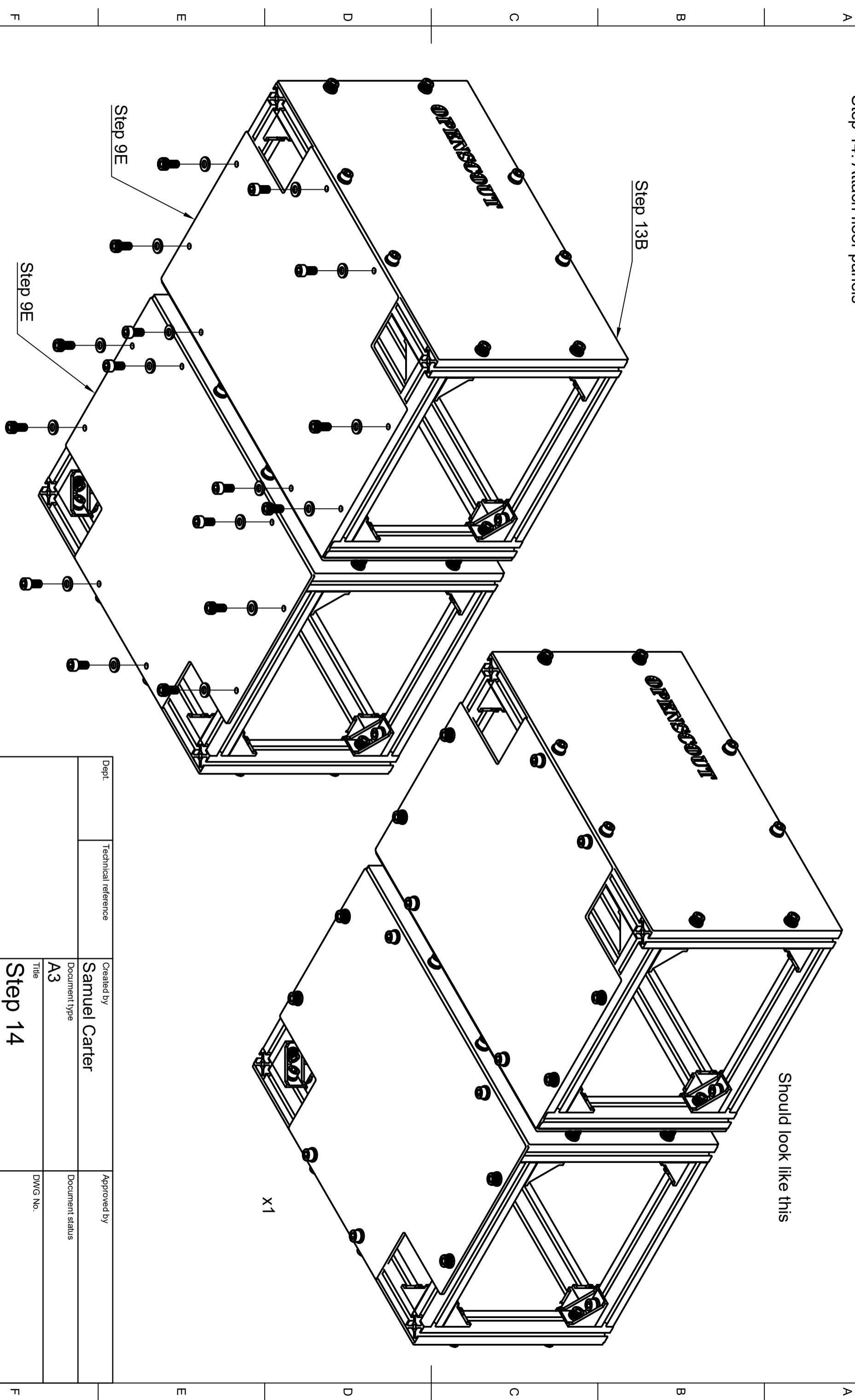
x1



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Title	Step 13 B	DWG No.	
Rev.	Date of issue	Sheet	30

Step 14. Attach floor panels

Should look like this



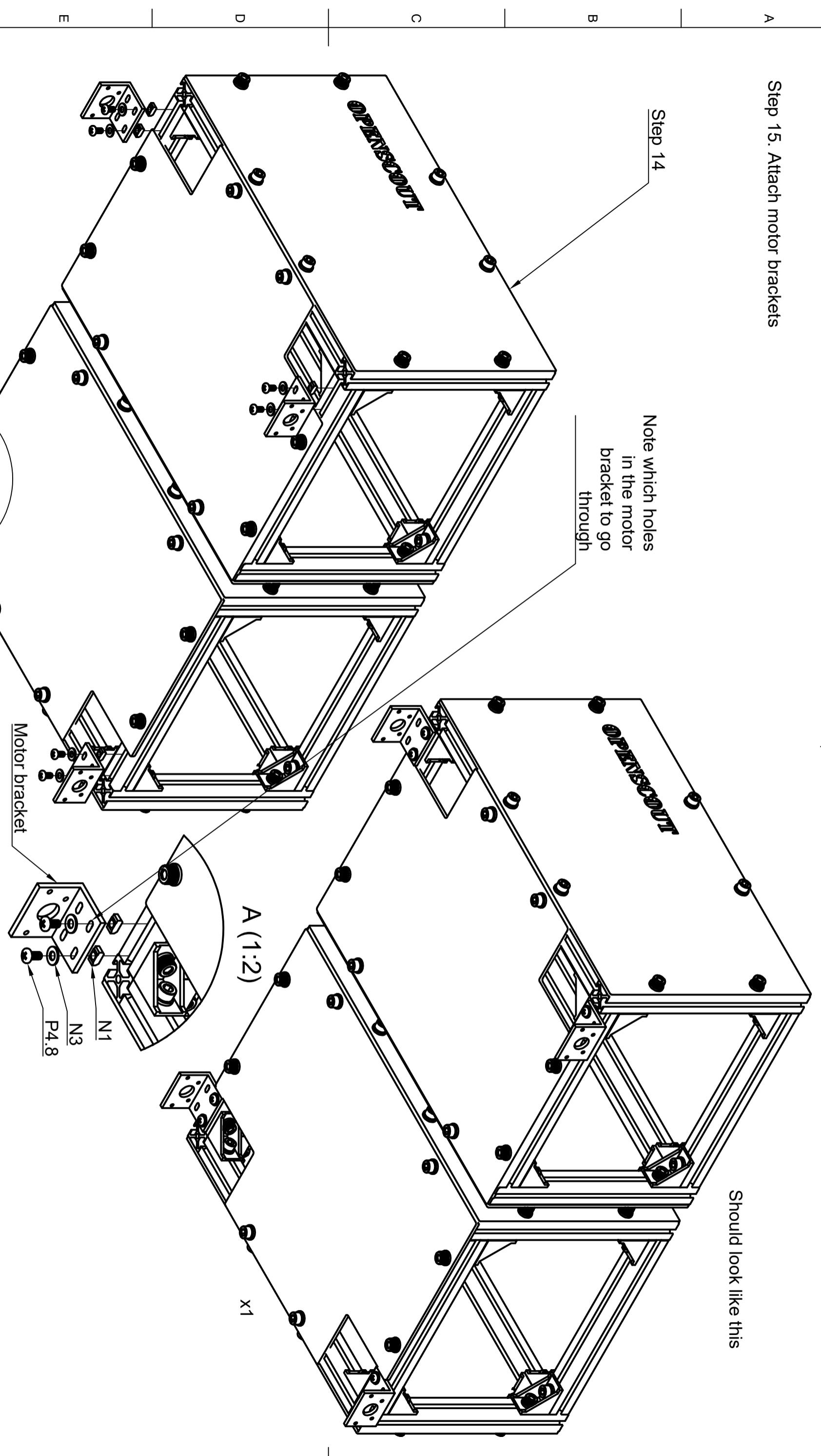
Dept.	Technical reference	Created by
		Samuel Carter
Document type		Approved by
A3		
Title		Document status
Step 14		
DWG No.		
	Rev.	Date of issue
		Sheet
		31

Step 15. Attach motor brackets

Should look like this

Step 14

Note which holes  
in the motor  
bracket to go  
through

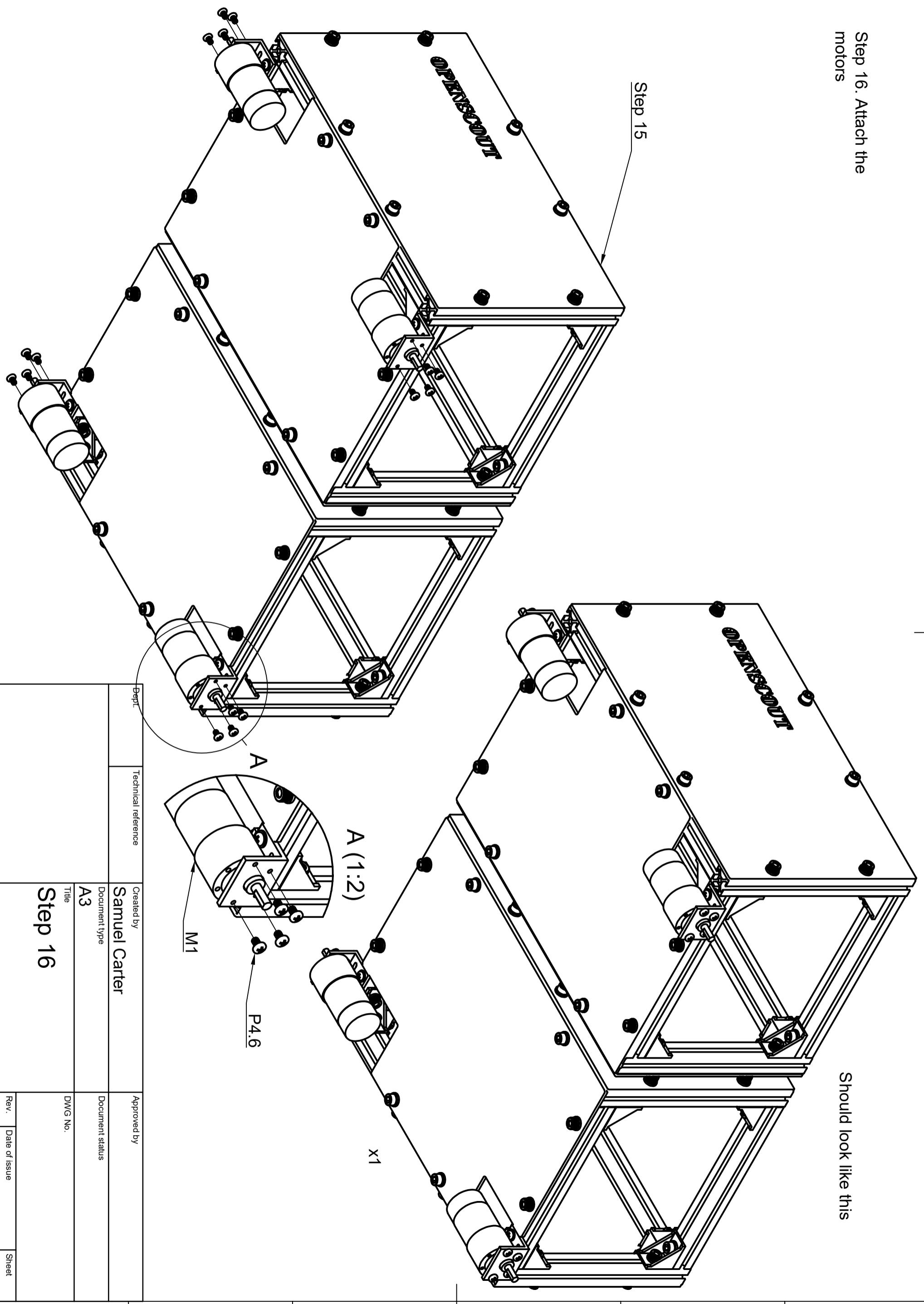


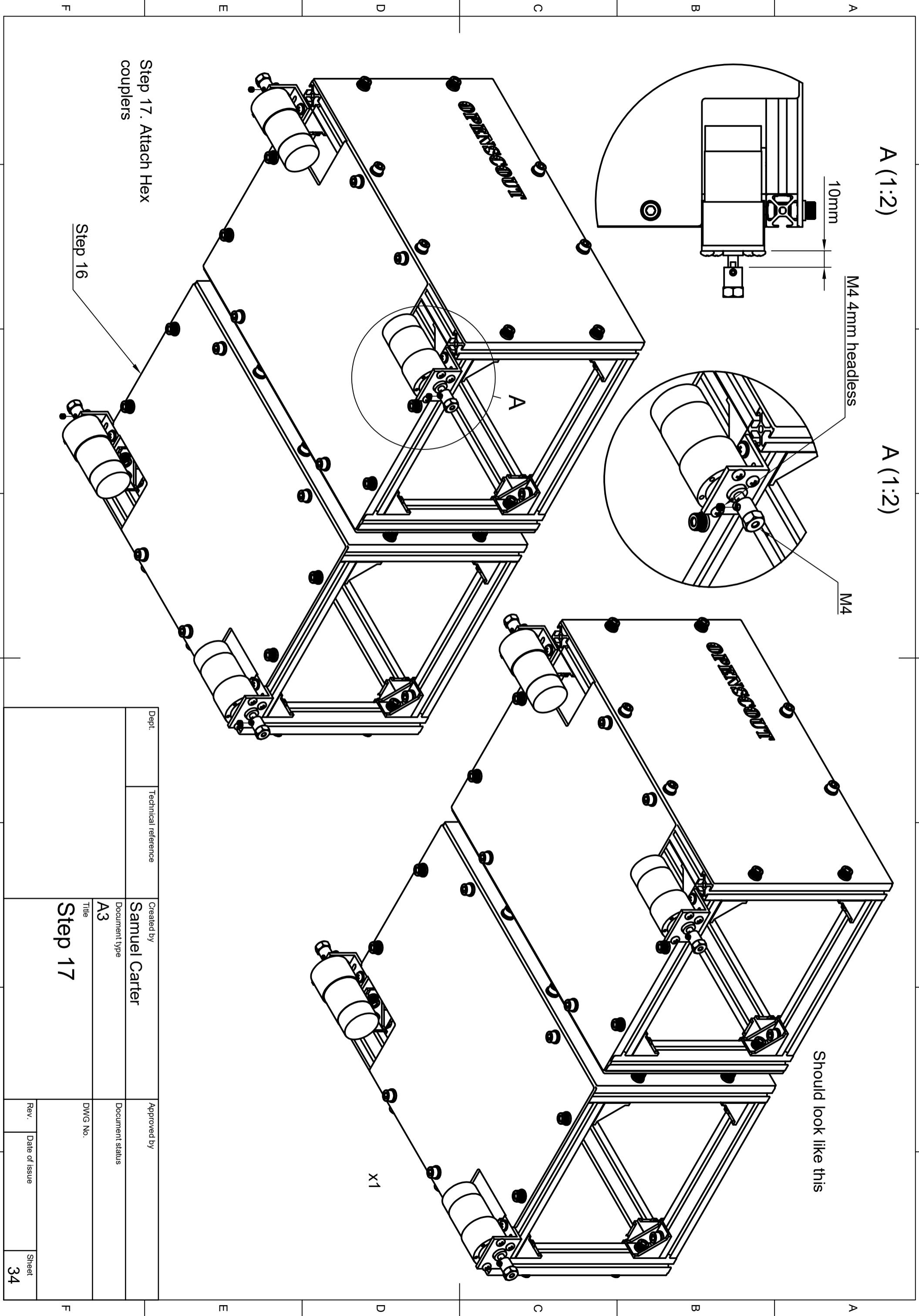
Dept.	Technical reference	Created by	Approved by
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Document type			Document status
A3			
Title			DWG No.
Step 15			
Rev.	Date of issue		Sheet
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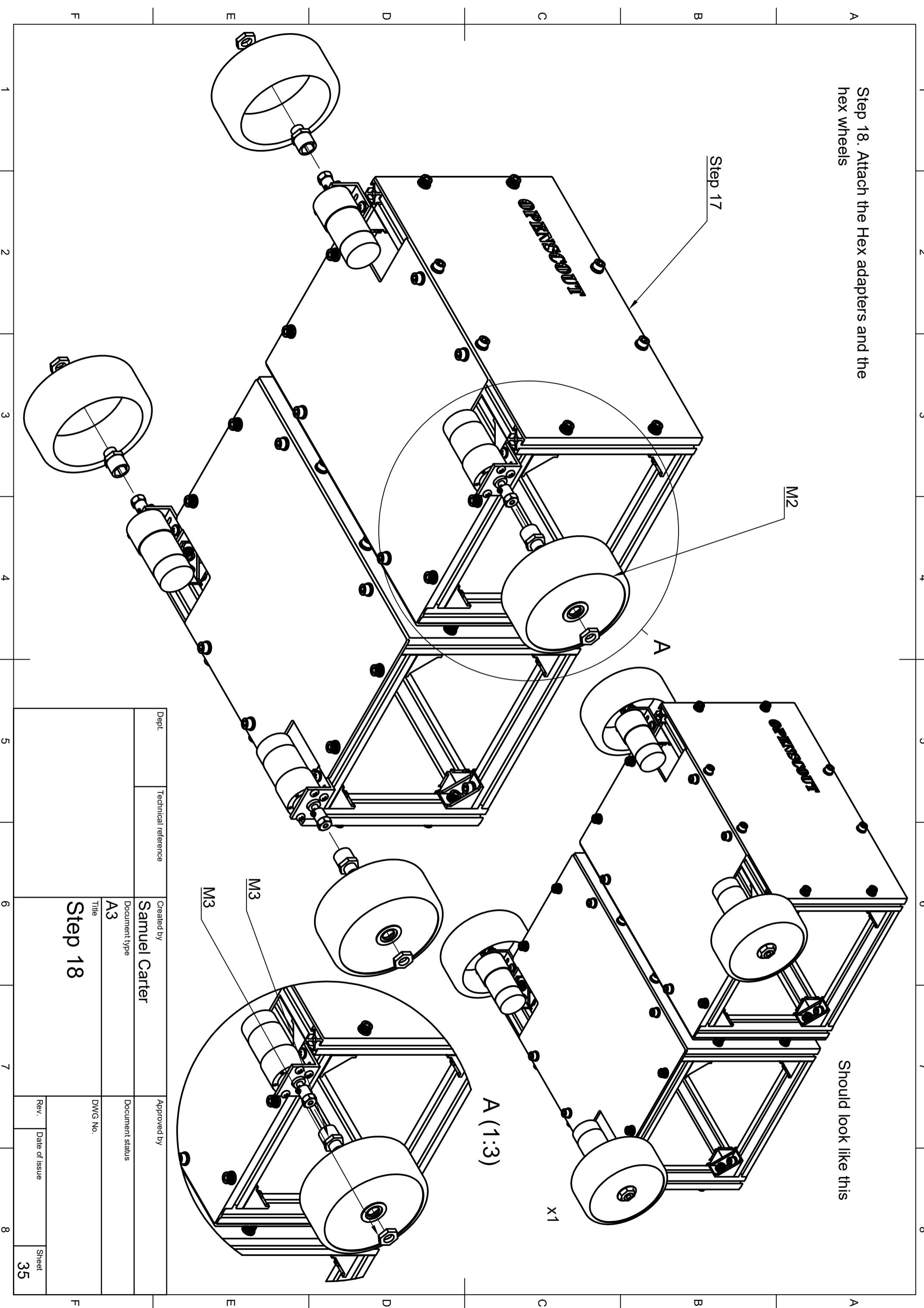
Step 16. Attach the  
motors

Should look like this

Step 15

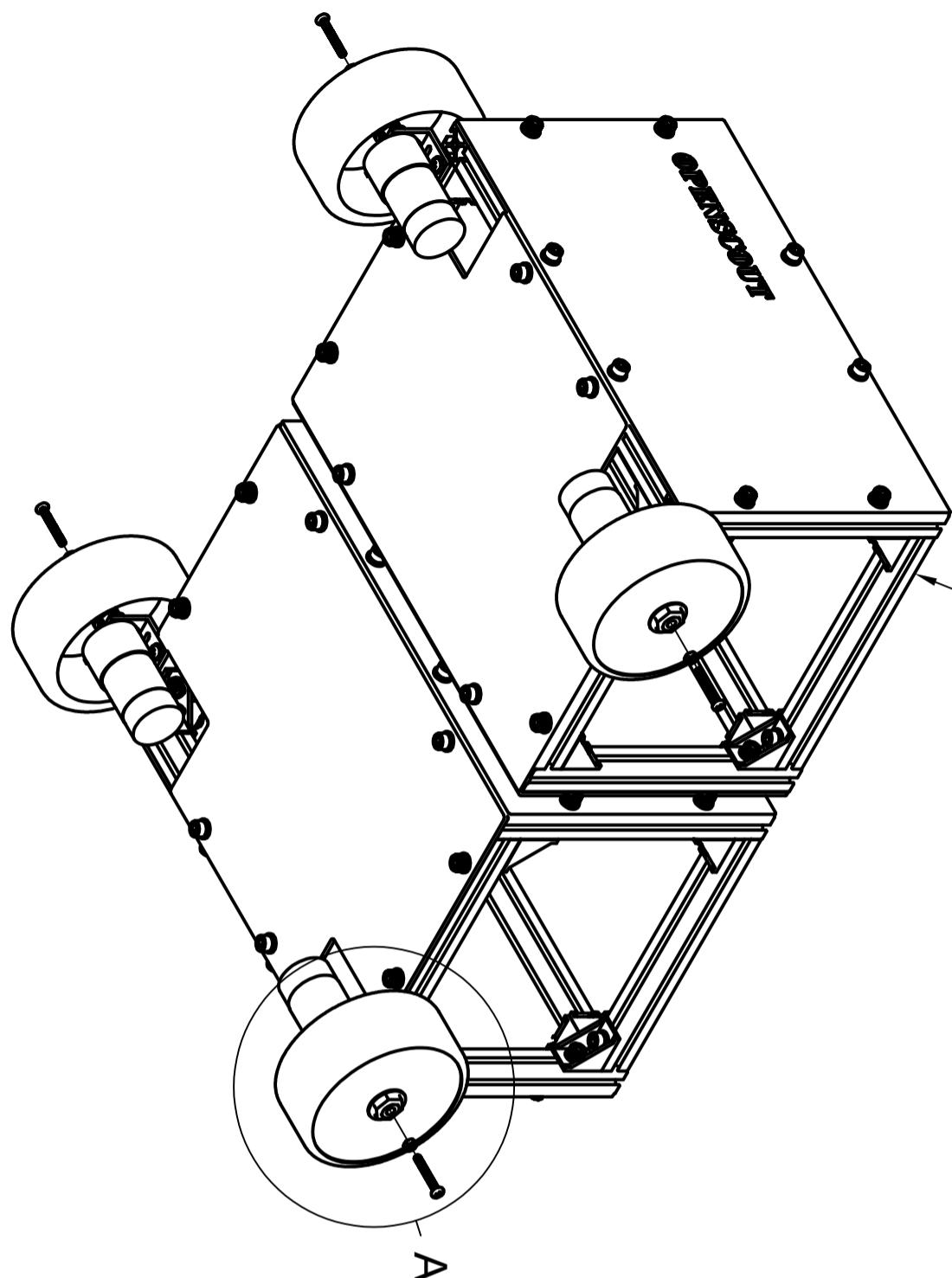






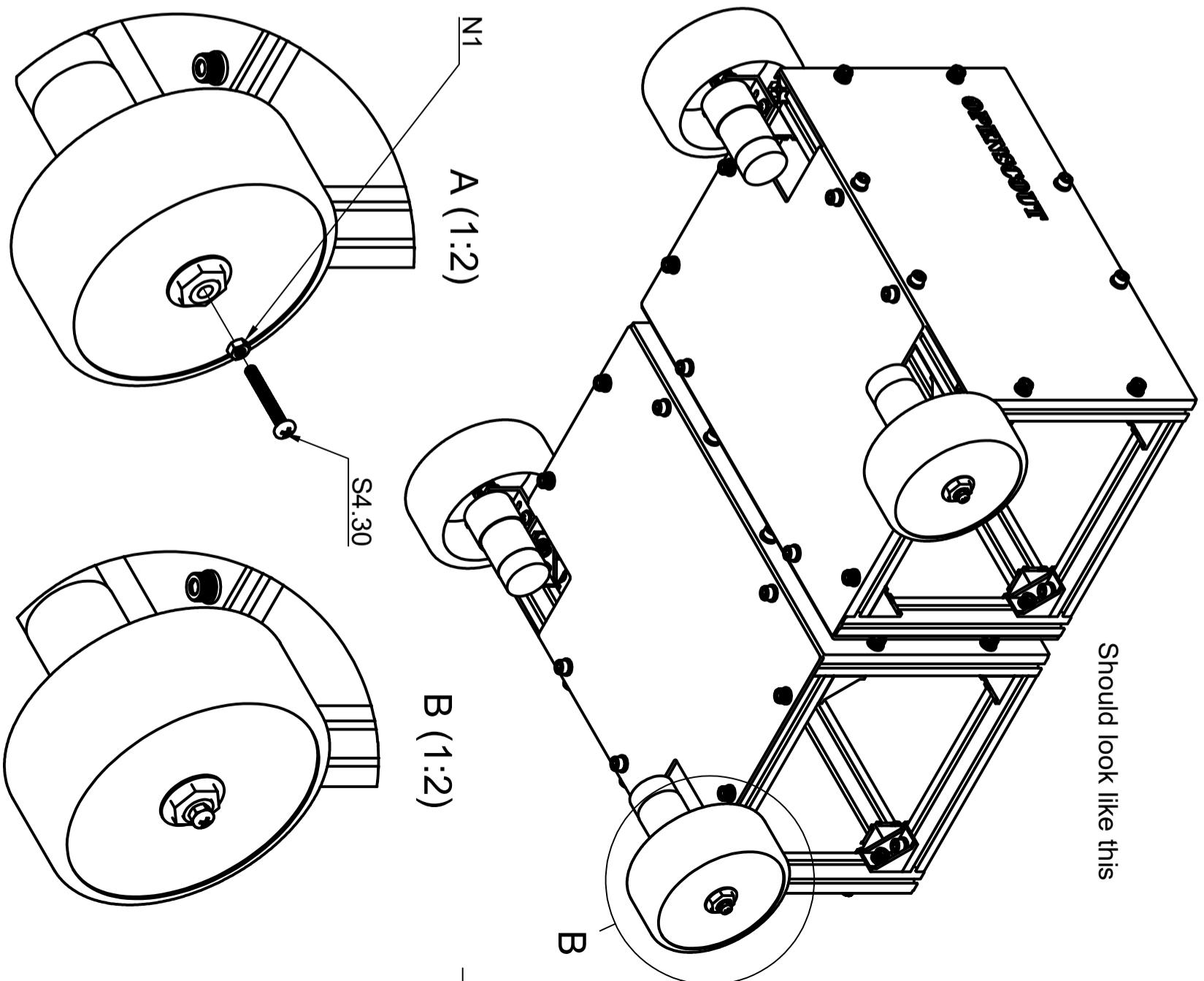
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		Samuel Carter	
Document type	A3	Document status	
Title	Step 18	DWG No.	
Rev.	Date of issue	Sheet	35

Step 19. Fix wheels to the motor shaft

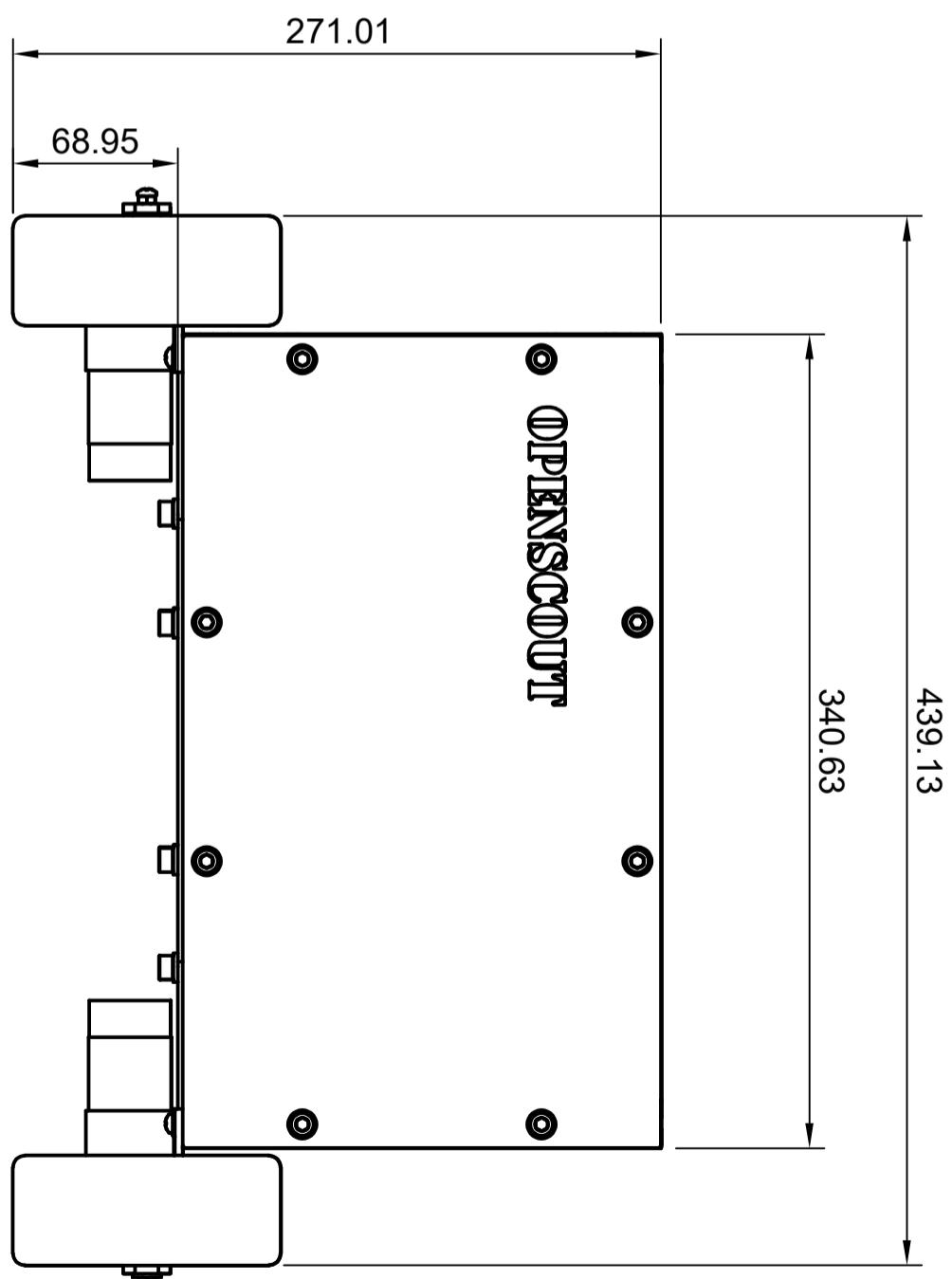
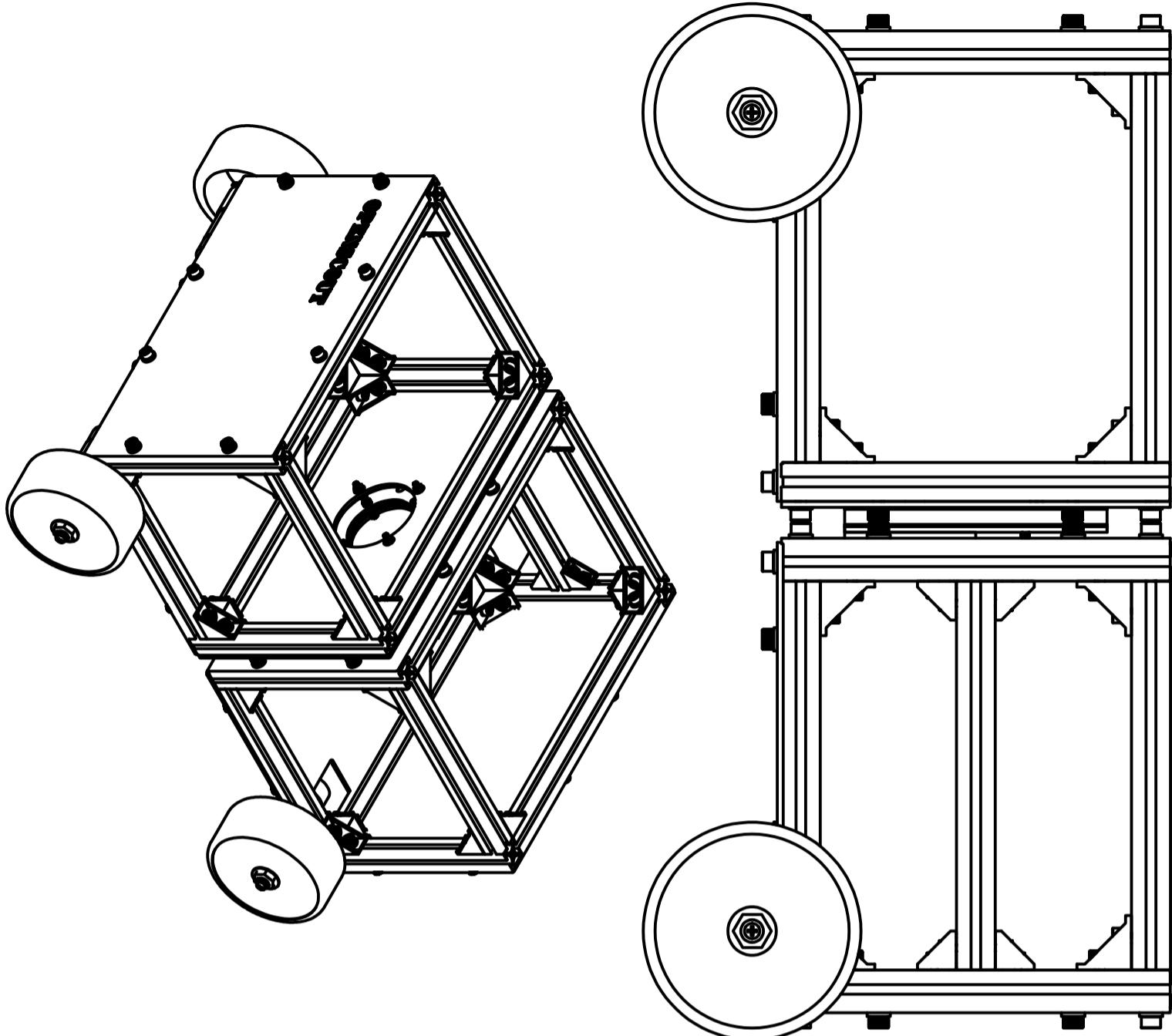


Step 18

Should look like this



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		Samuel Carter
Document type	Document status	Approved by
A3		
Title	DWG No.	
Step 19		
Rev.	Date of issue	Sheet
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		Samuel Carter 30/04/2022
Document type	Approved by	
A3		
Title	Document status	
Final Model		
DWG No.		
Rev.	Date of issue	Sheet
		37