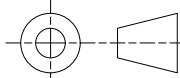

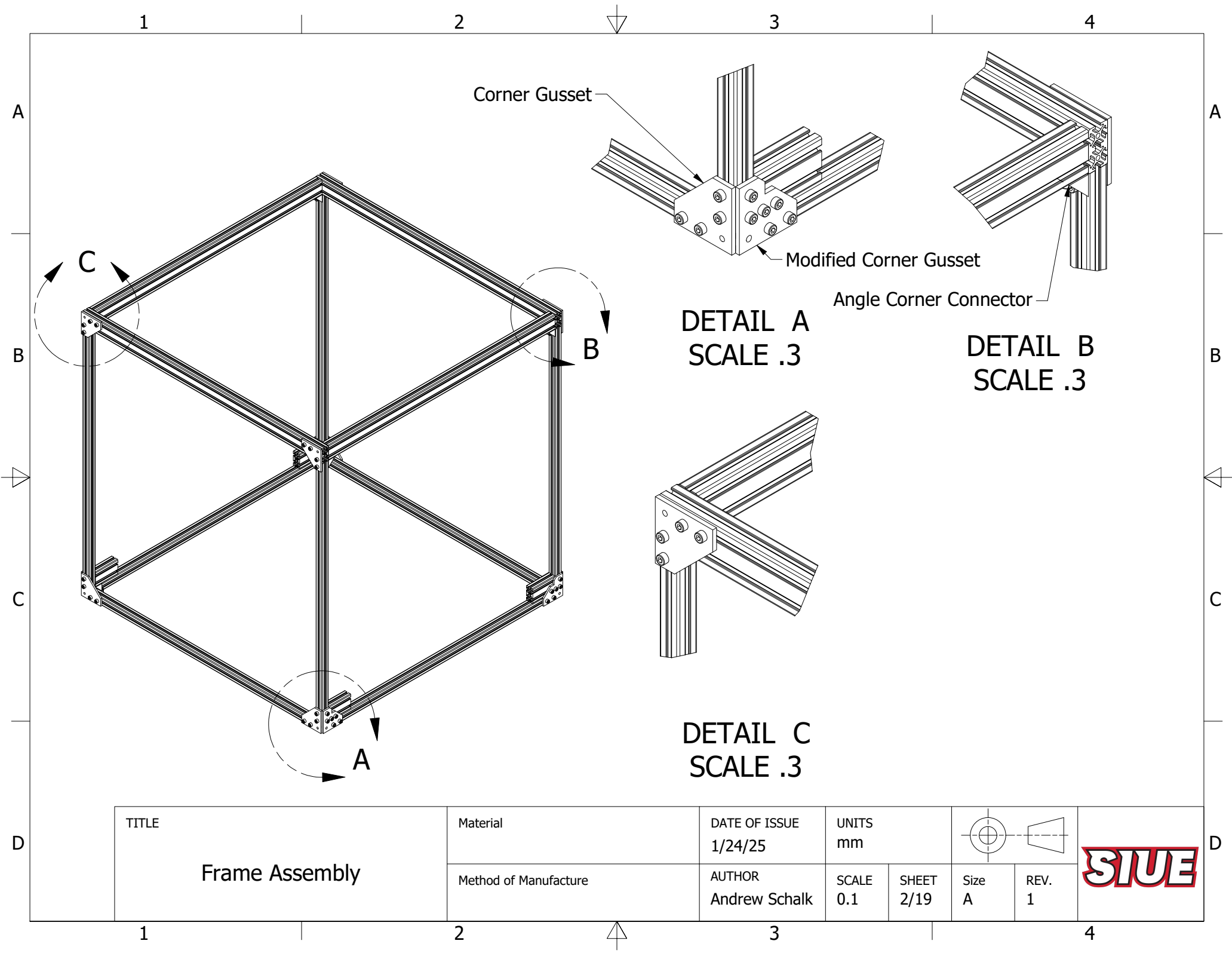
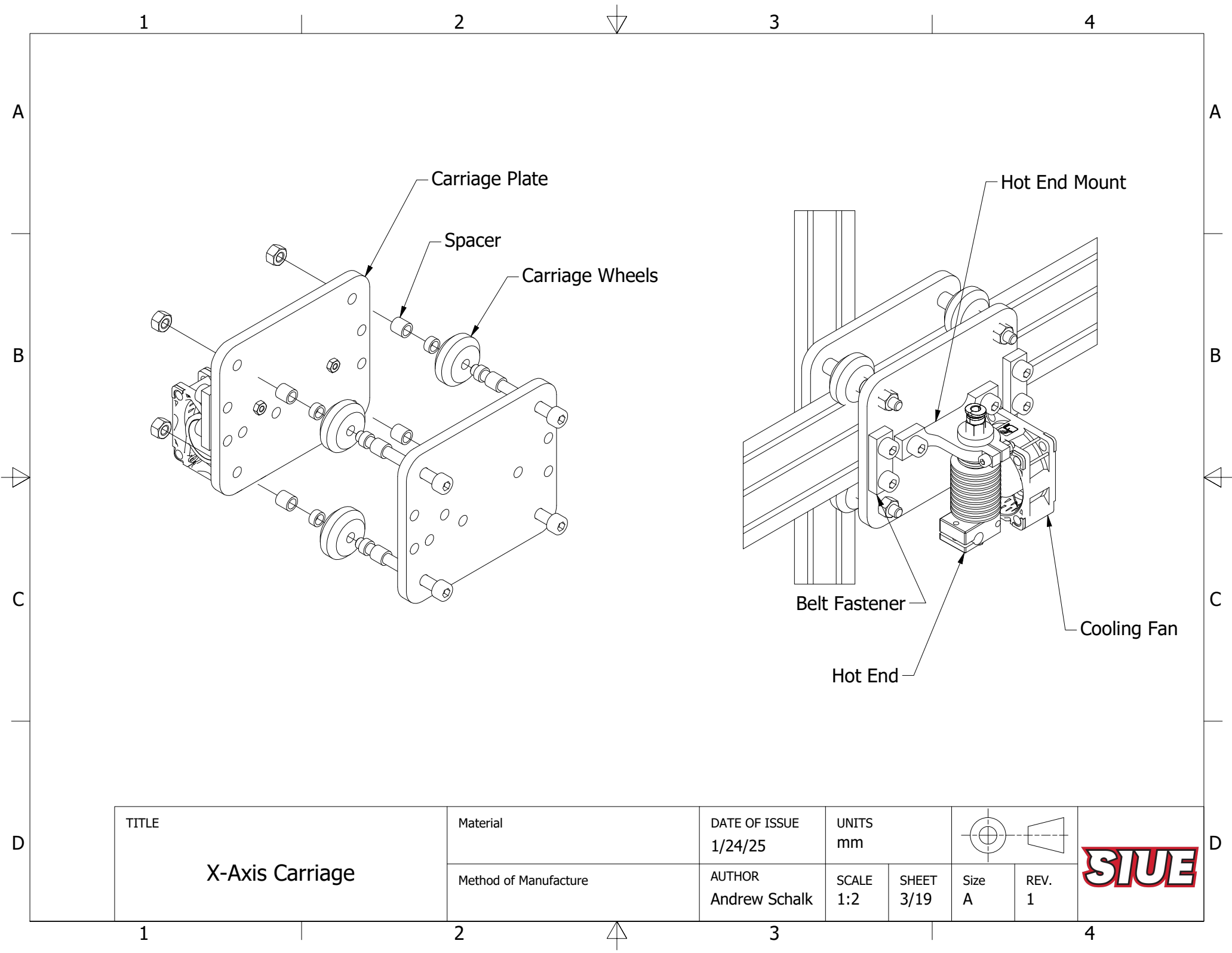
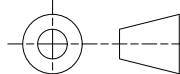



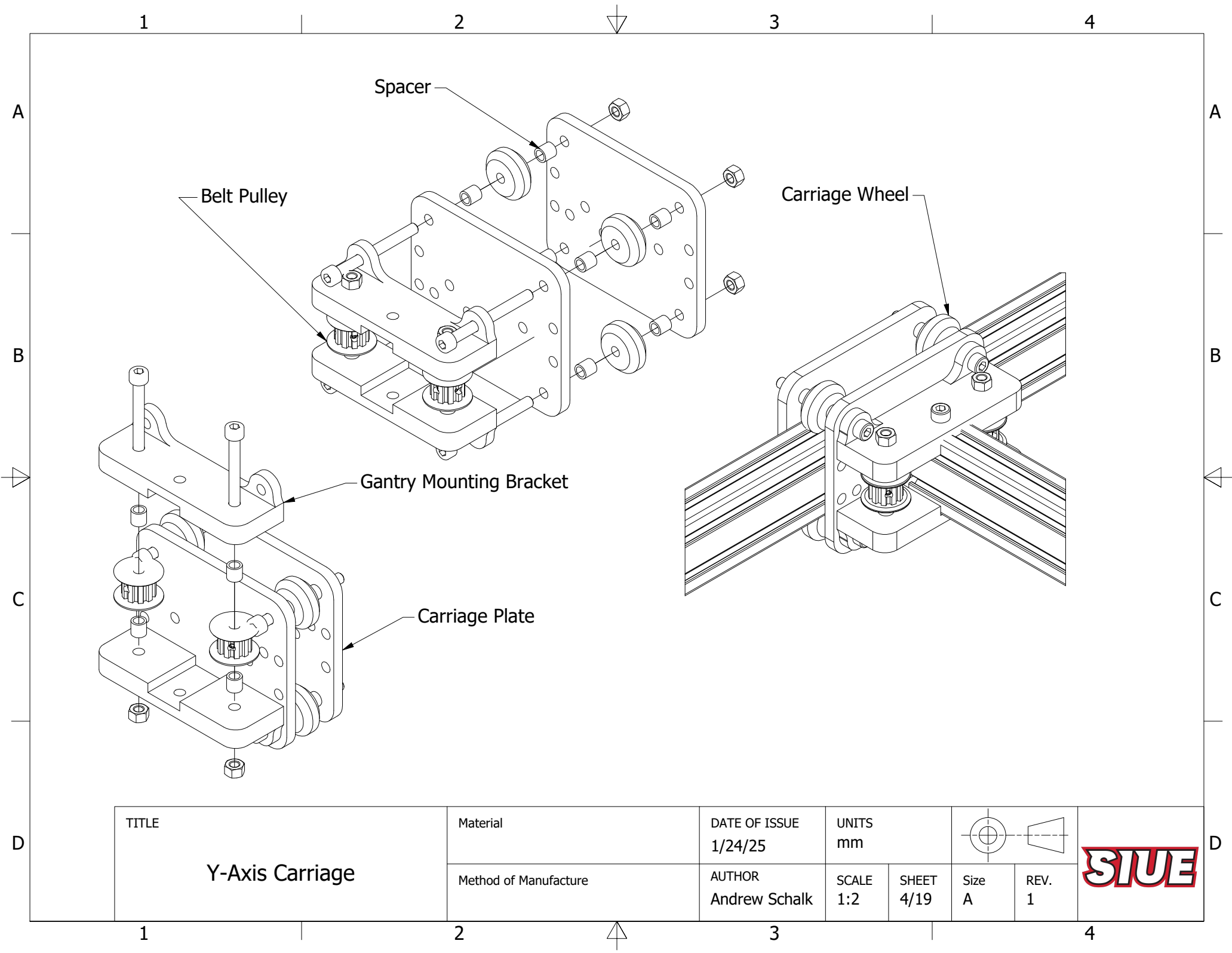
NOTE: Parts which have individual drawings
will be manufactured in-house.
All other parts are pre-fabricated

TITLE Large Scale 3D printer	Material	DATE OF ISSUE 1/24/25	UNITS mm				
	Method of Manufacture	AUTHOR Andrew Schalk	SCALE	SHEET 1/19	Size A	REV. 1	



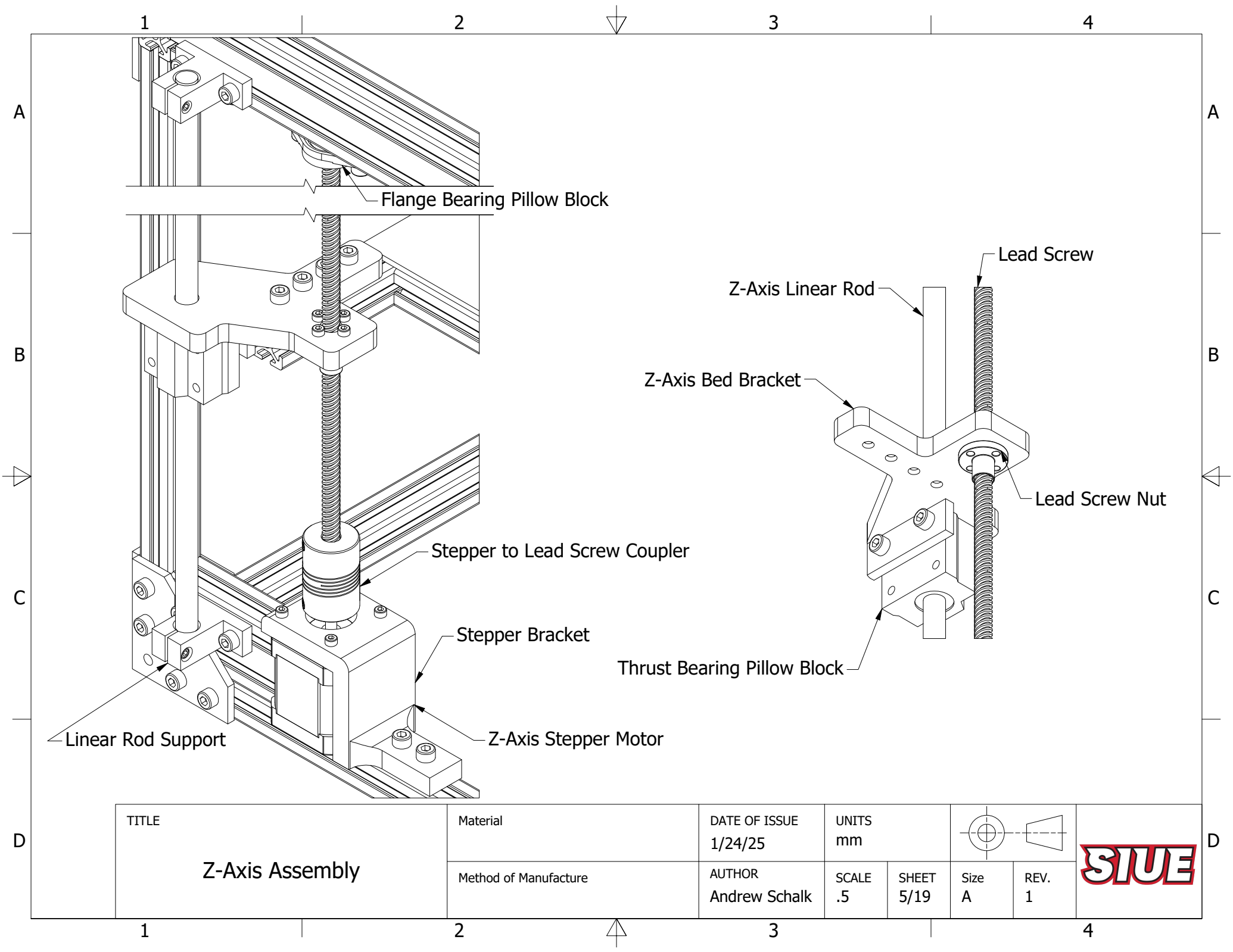


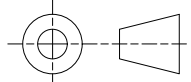
TITLE	Material	DATE OF ISSUE	UNITS				
	Method of Manufacture	AUTHOR	SCALE	SHEET	Size	REV.	
X-Axis Carriage		1/24/25	mm	1:2	3/19	A	1

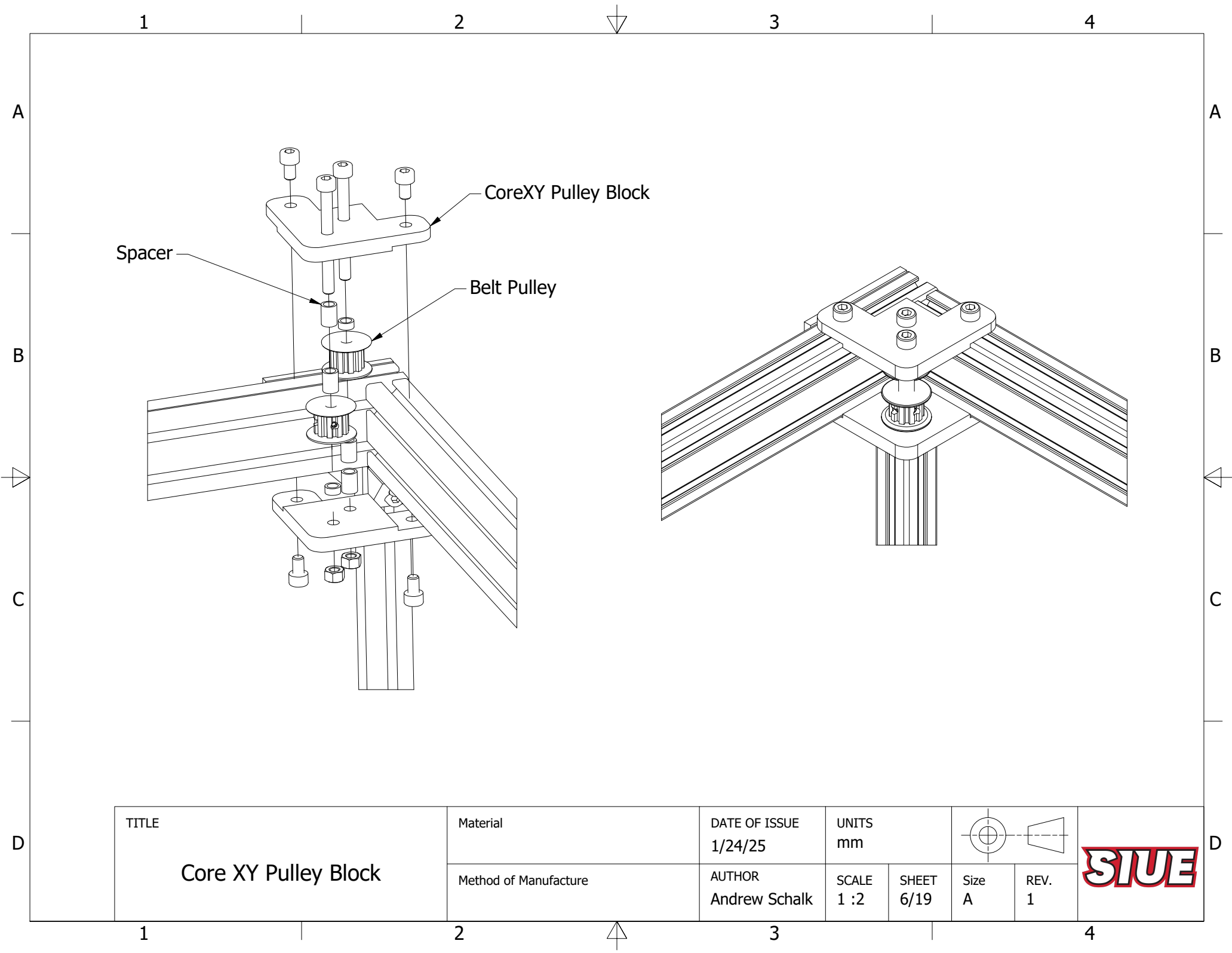


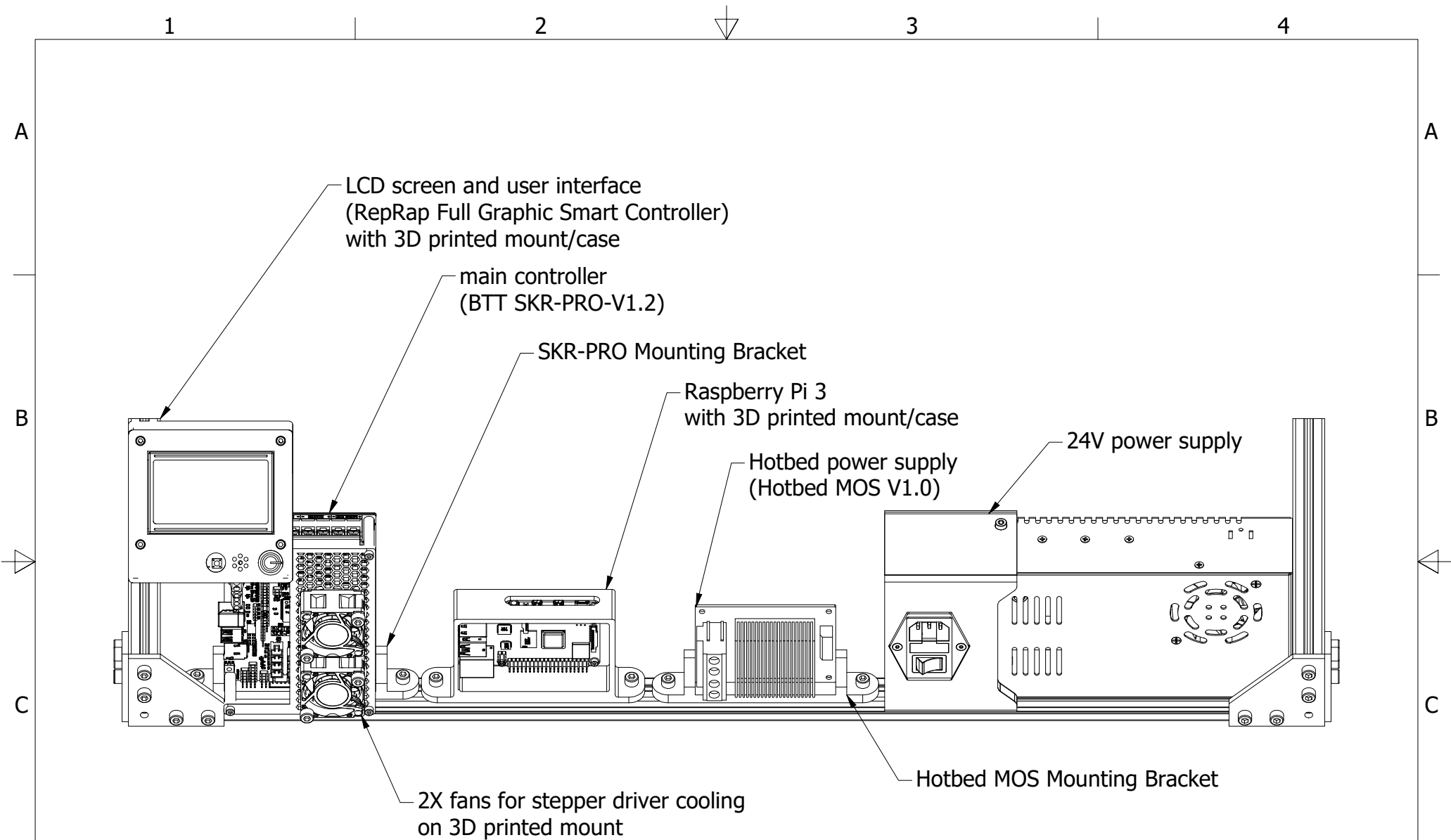
TITLE Y-Axis Carriage	Material	DATE OF ISSUE 1/24/25	UNITS mm			
	Method of Manufacture	AUTHOR Andrew Schalk	SCALE 1:2	SHEET 4/19	Size A	REV. 1

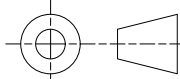




TITLE	Material		DATE OF ISSUE		UNITS			
	Method of Manufacture		1/24/25		SCALE	SHEET	Size	REV.
Z-Axis Assembly			AUTHOR		.5	5/19	A	1
			Andrew Schalk					

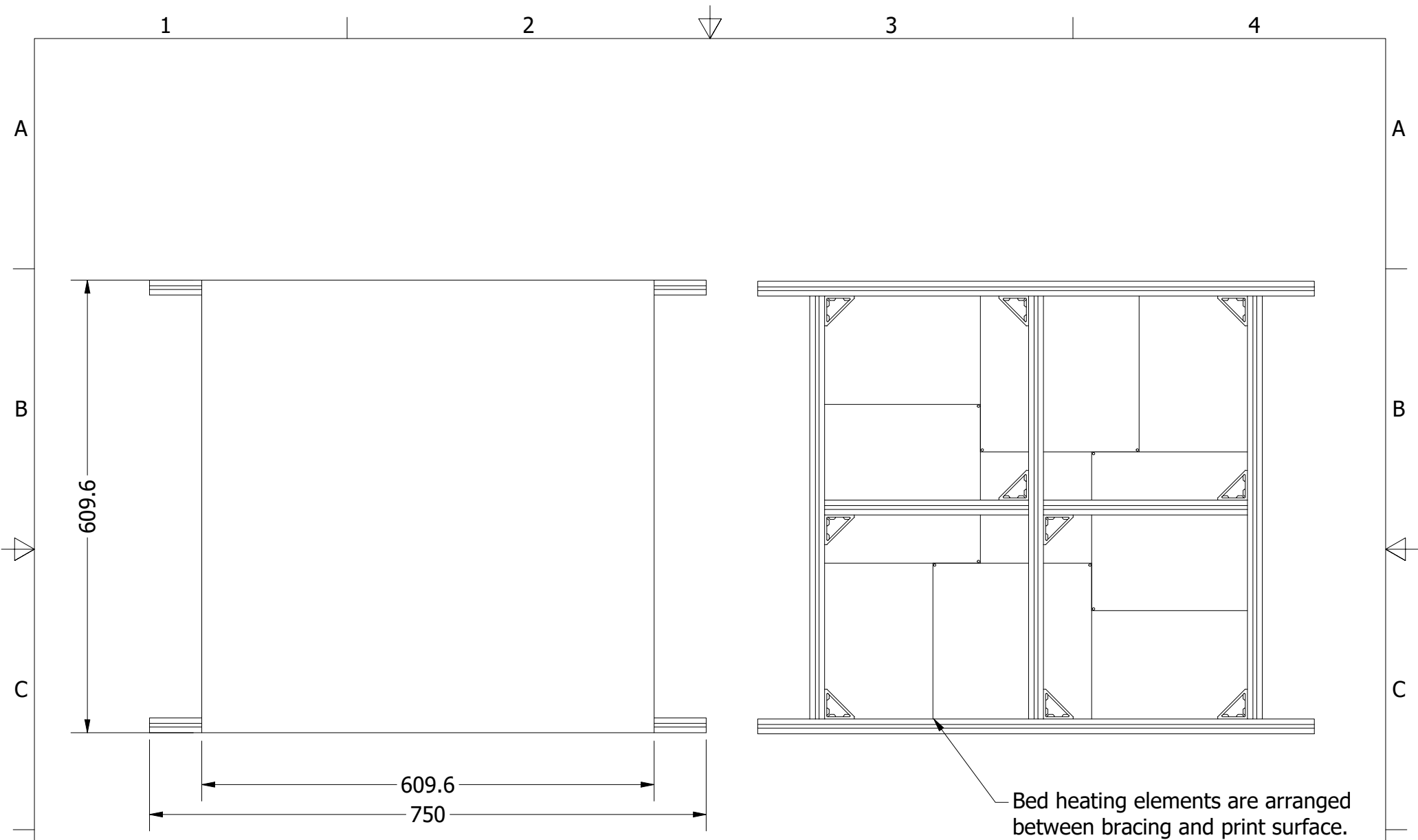


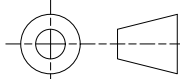


TITLE	Material		DATE OF ISSUE 1/24/25		UNITS mm			
	Method of Manufacture		AUTHOR Andrew Schalk		SCALE .3	SHEET 7/19	Size A	REV. 1

Printer Electronics

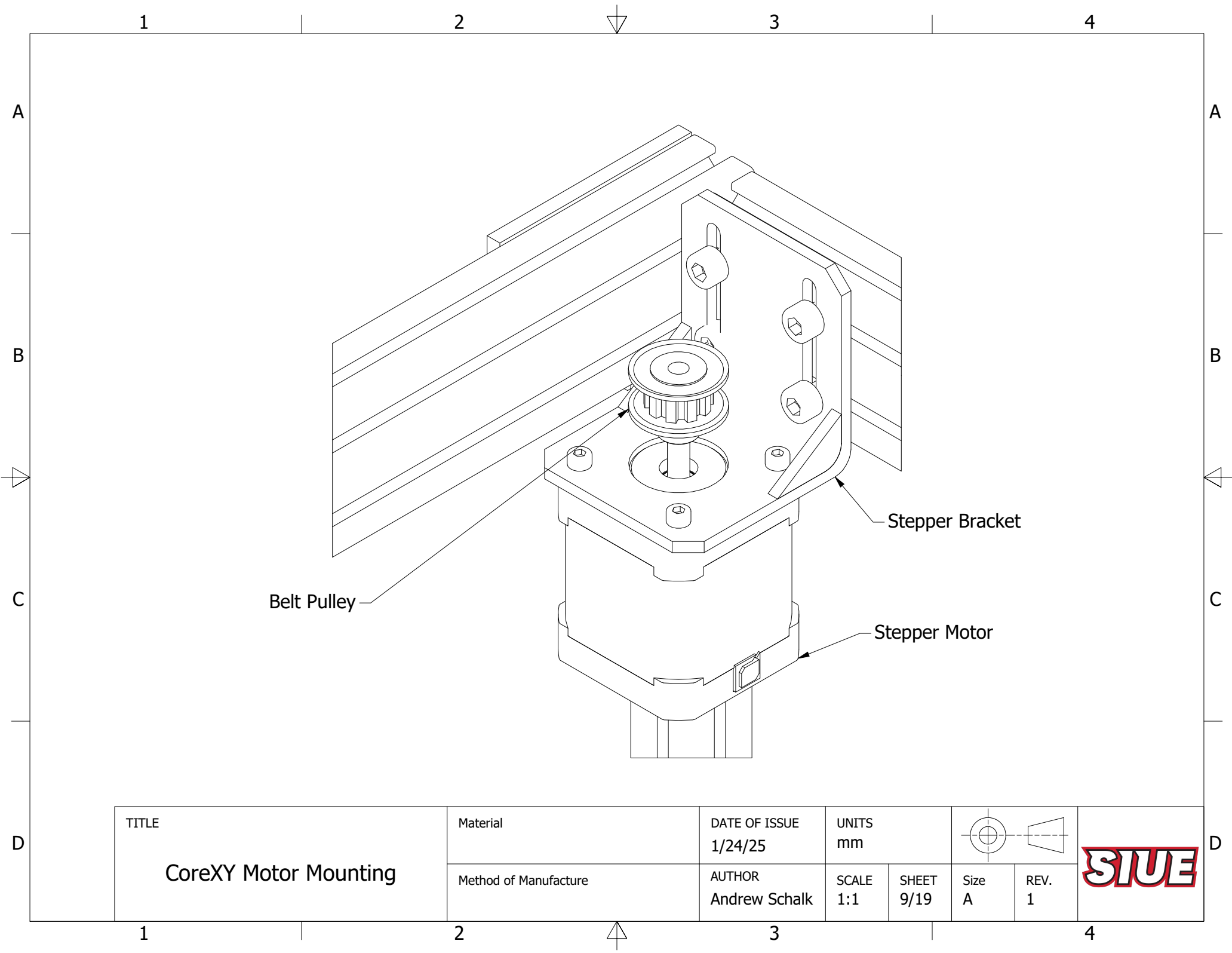
SIUE



TITLE	Material		DATE OF ISSUE 1/24/25		UNITS mm			
	Method of Manufacture		AUTHOR Andrew Schalk		SCALE 1:7	SHEET 8/19	Size A	REV. 1

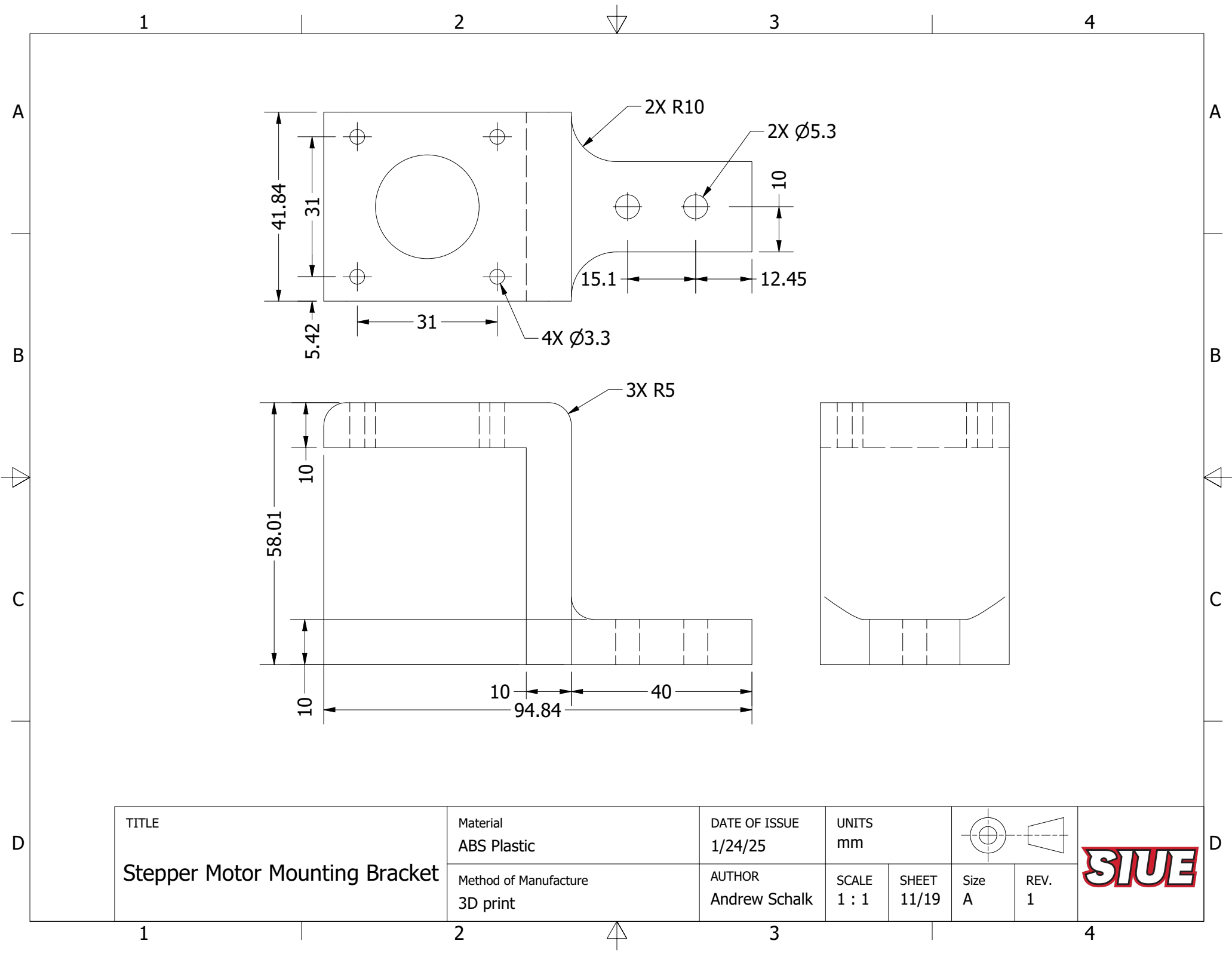
Hotbed Assembly

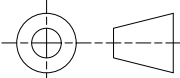

SIUE

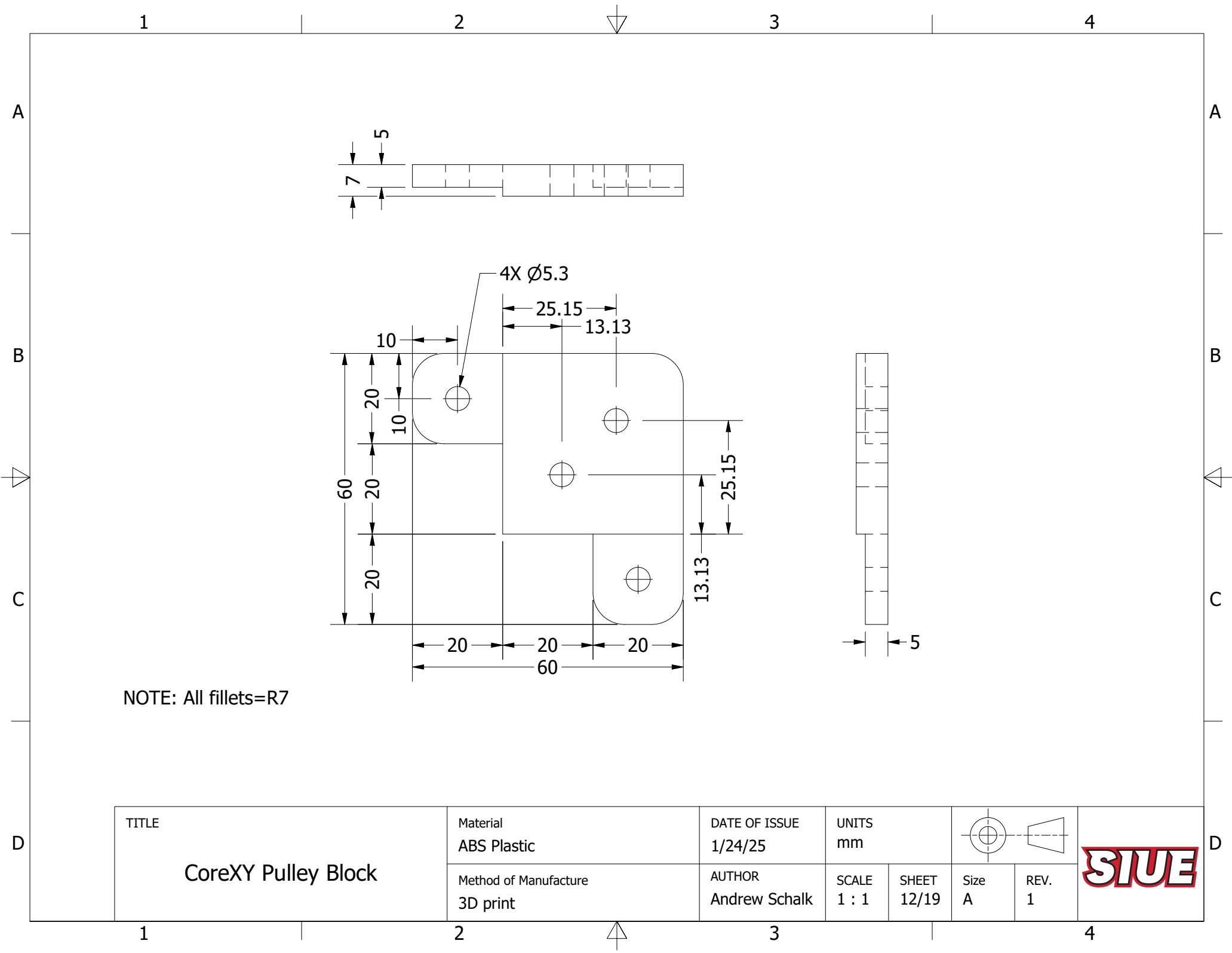


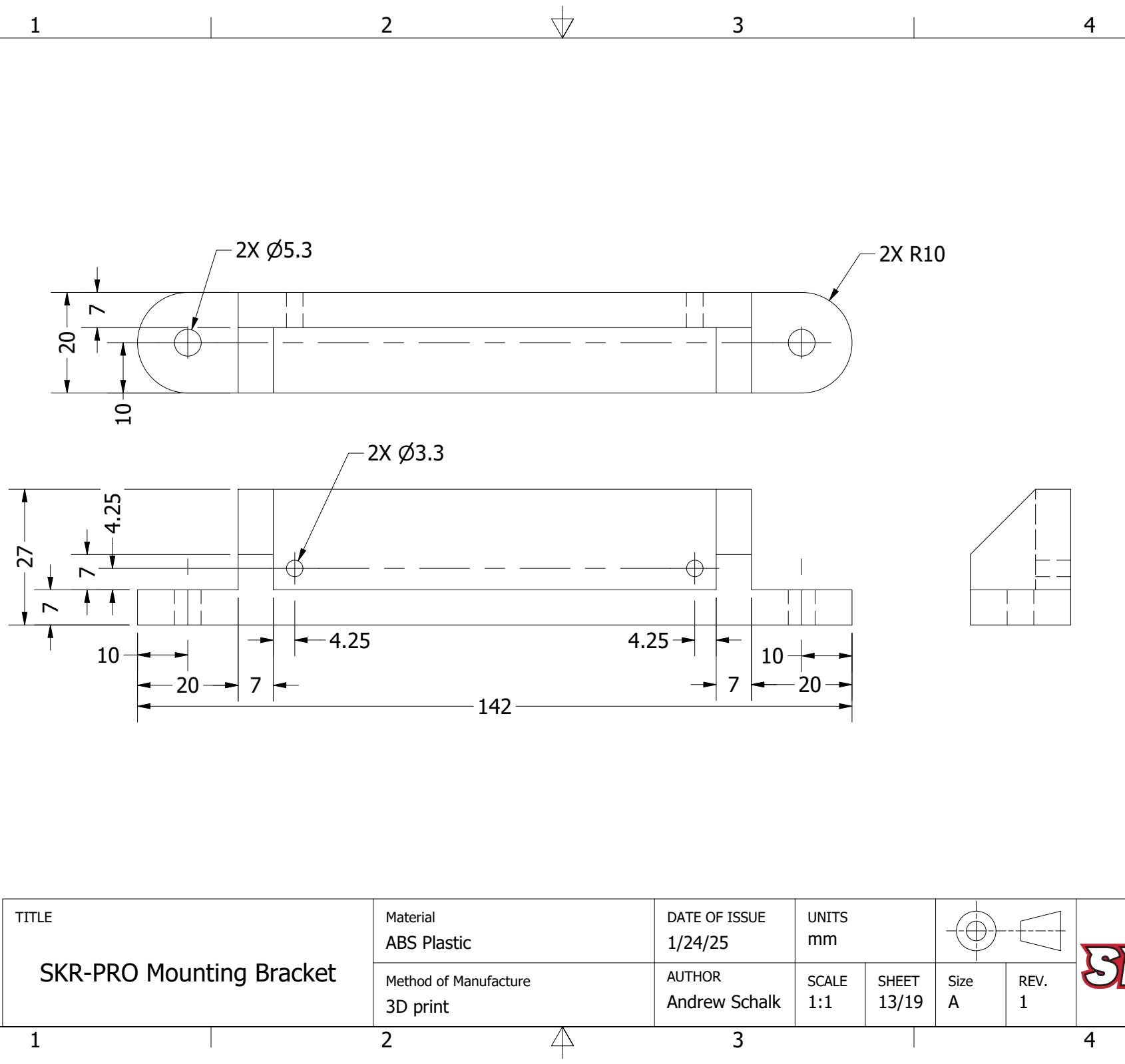
TITLE CoreXY Motor Mounting	Material	DATE OF ISSUE 1/24/25	UNITS mm			
	Method of Manufacture	AUTHOR Andrew Schalk	SCALE 1:1	SHEET 9/19	Size A	REV. 1







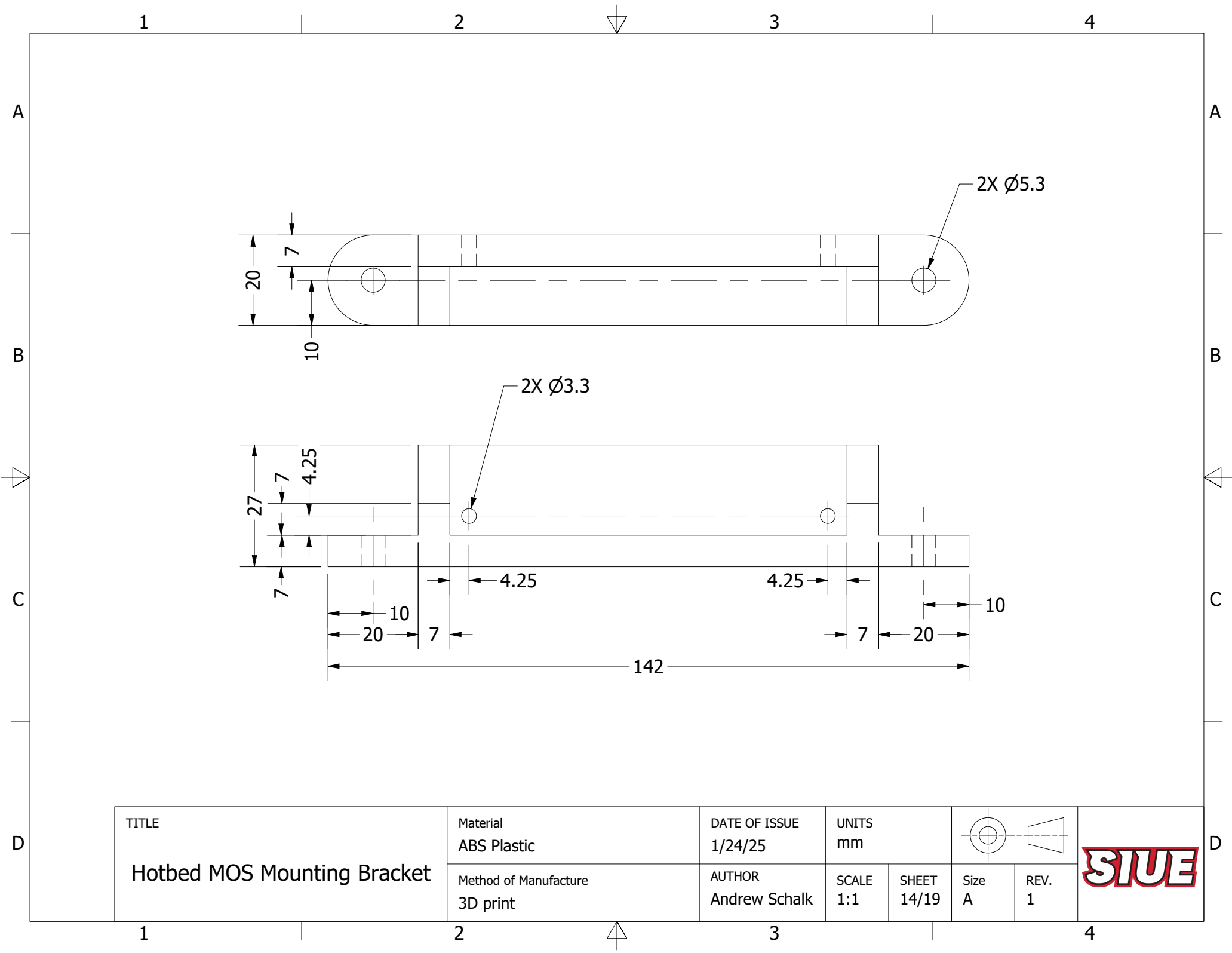
TITLE Stepper Motor Mounting Bracket	Material ABS Plastic	DATE OF ISSUE 1/24/25	UNITS mm				
	Method of Manufacture 3D print	AUTHOR Andrew Schalk	SCALE 1 : 1	SHEET 11/19	Size A	REV. 1	





TITLE SKR-PRO Mounting Bracket	Material ABS Plastic	DATE OF ISSUE 1/24/25	UNITS mm				
	Method of Manufacture 3D print	AUTHOR Andrew Schalk	SCALE 1:1	SHEET 13/19	Size A	REV. 1	





1

2

3

4

A

A

B

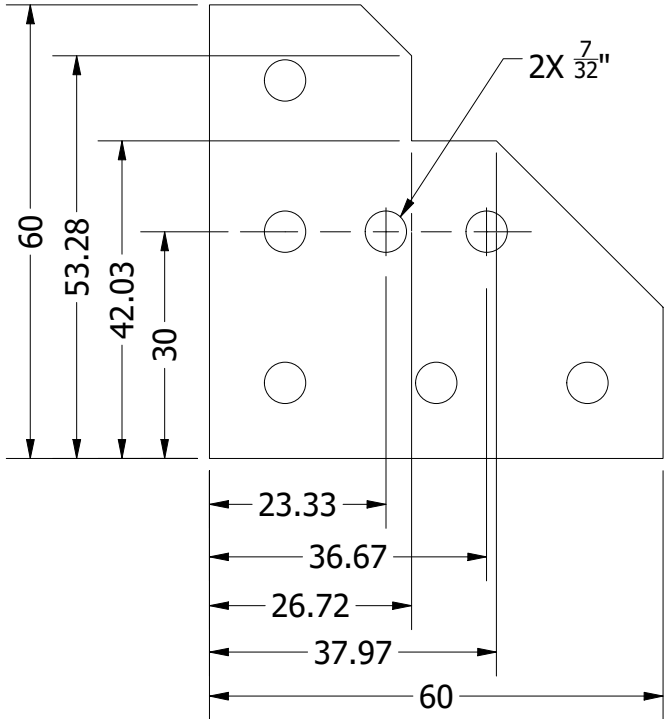
B

C

C

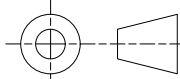
D

D



NOTE: These gussets are prefabricated. The needed modifications are the cutout at the top, and the two holes directly below. The cutout may be oversized(up to +3mm) for clearance.

NOTE: Part is 4mm thick.

TITLE	Material Aluminum		DATE OF ISSUE 1/24/2025		UNITS mm			
	Method of Manufacture Bandsaw and Drillpress		AUTHOR Andrew Schalk		SCALE 1 : 1	SHEET 15/19	Size A	REV. 1

Modified Corner Gusset

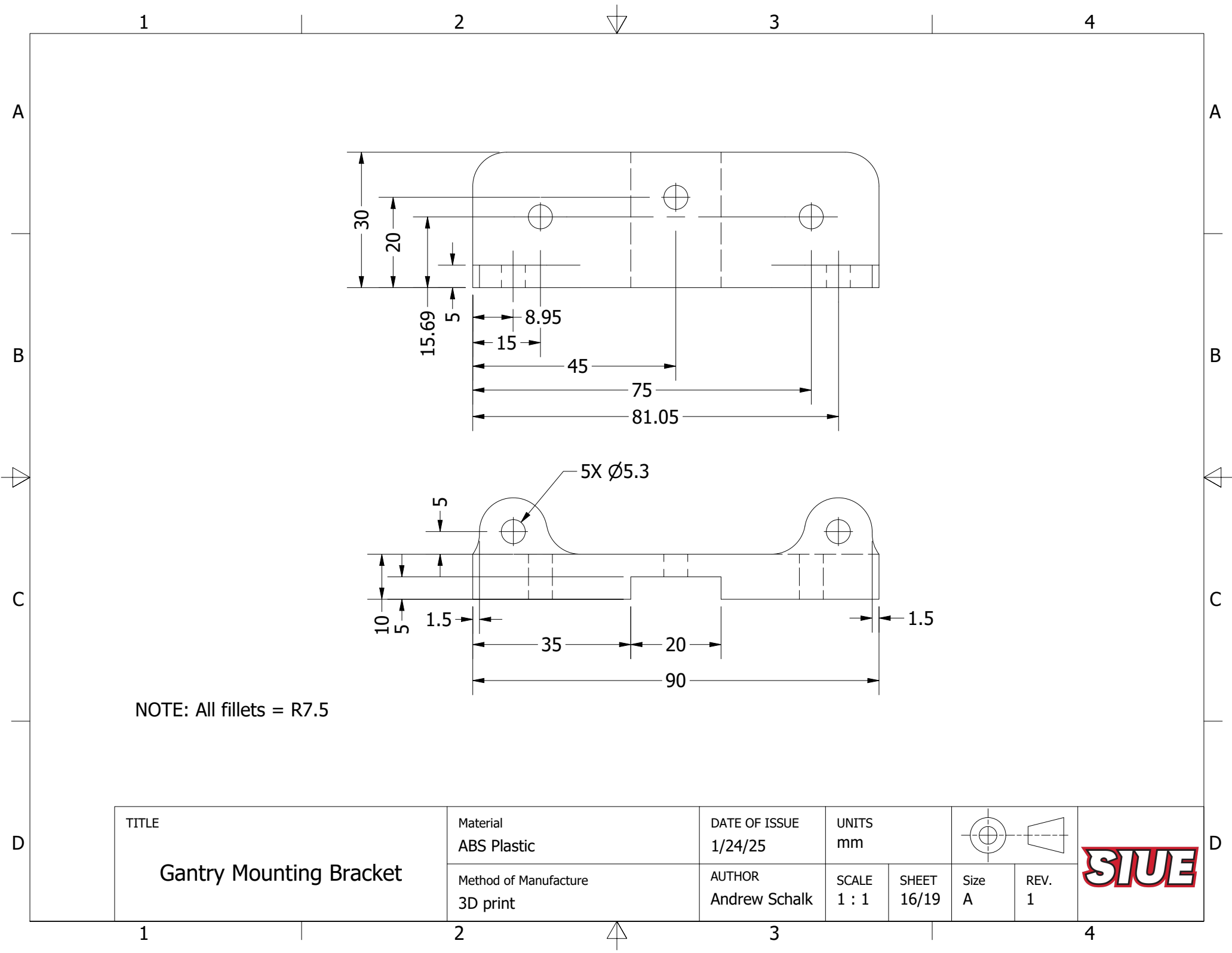
SIUE

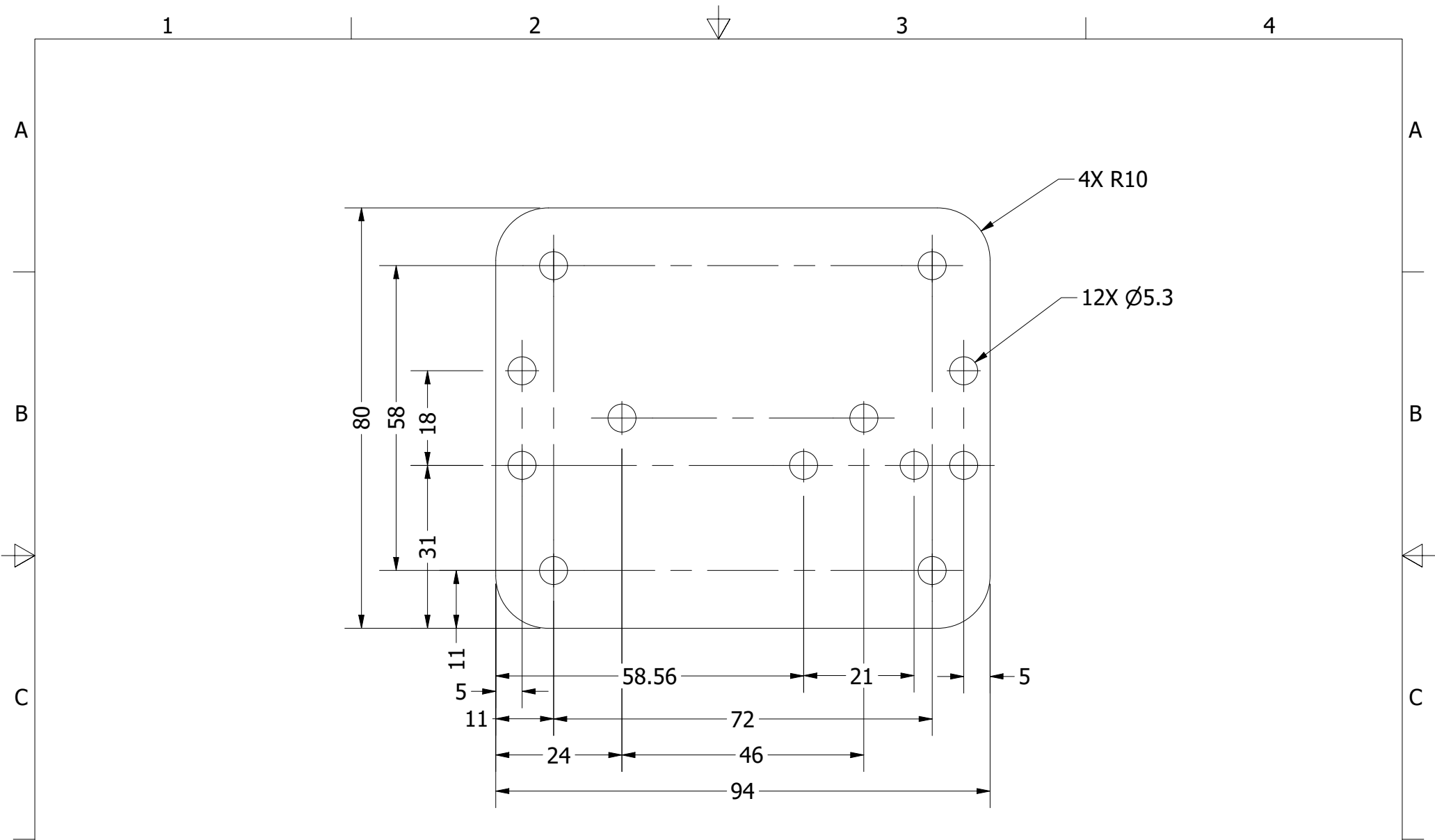
1

2



3

4





NOTE: Part is 5.5mm thick.

TITLE	Material	DATE OF ISSUE	UNITS				
	ABS Plastic	1/24/25	mm				
Carriage Plate	Method of Manufacture	AUTHOR	SCALE	SHEET	Size	REV.	
	3D print	Andrew Schalk	1 : 1	17/19	A	1	



1

2

3

4

A

A

B

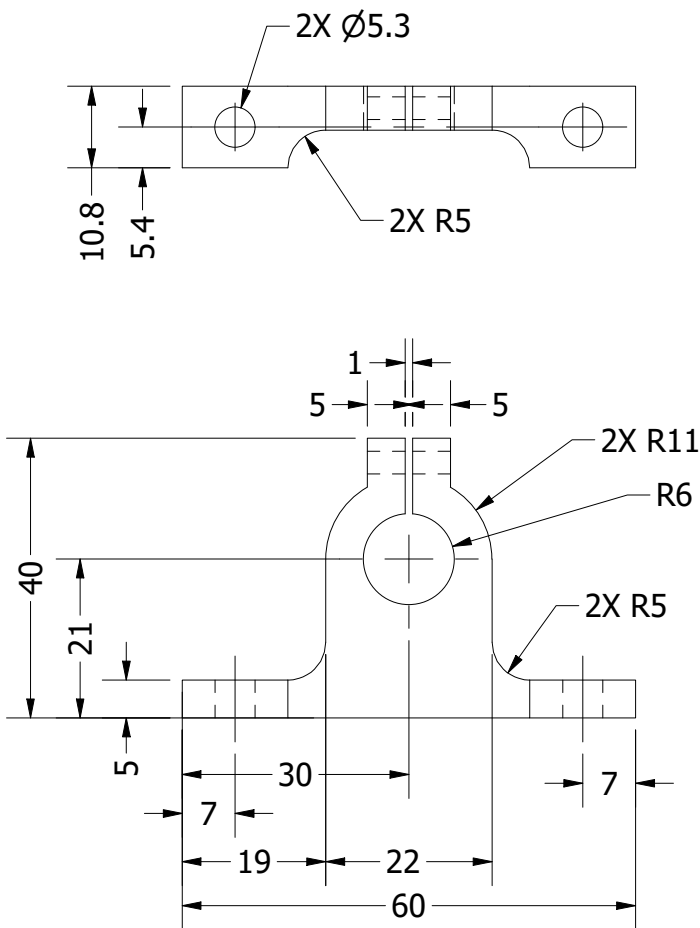
B



C

C

D

D



TITLE	Material	DATE OF ISSUE	UNITS				
	ABS Plastic	1/24/25	mm				
Hot End Mount	Method of Manufacture	AUTHOR	SCALE	SHEET	Size	REV.	
	3D print	Andrew Schalk	1 : 1	18/19	A	1	

1

2

3

4

