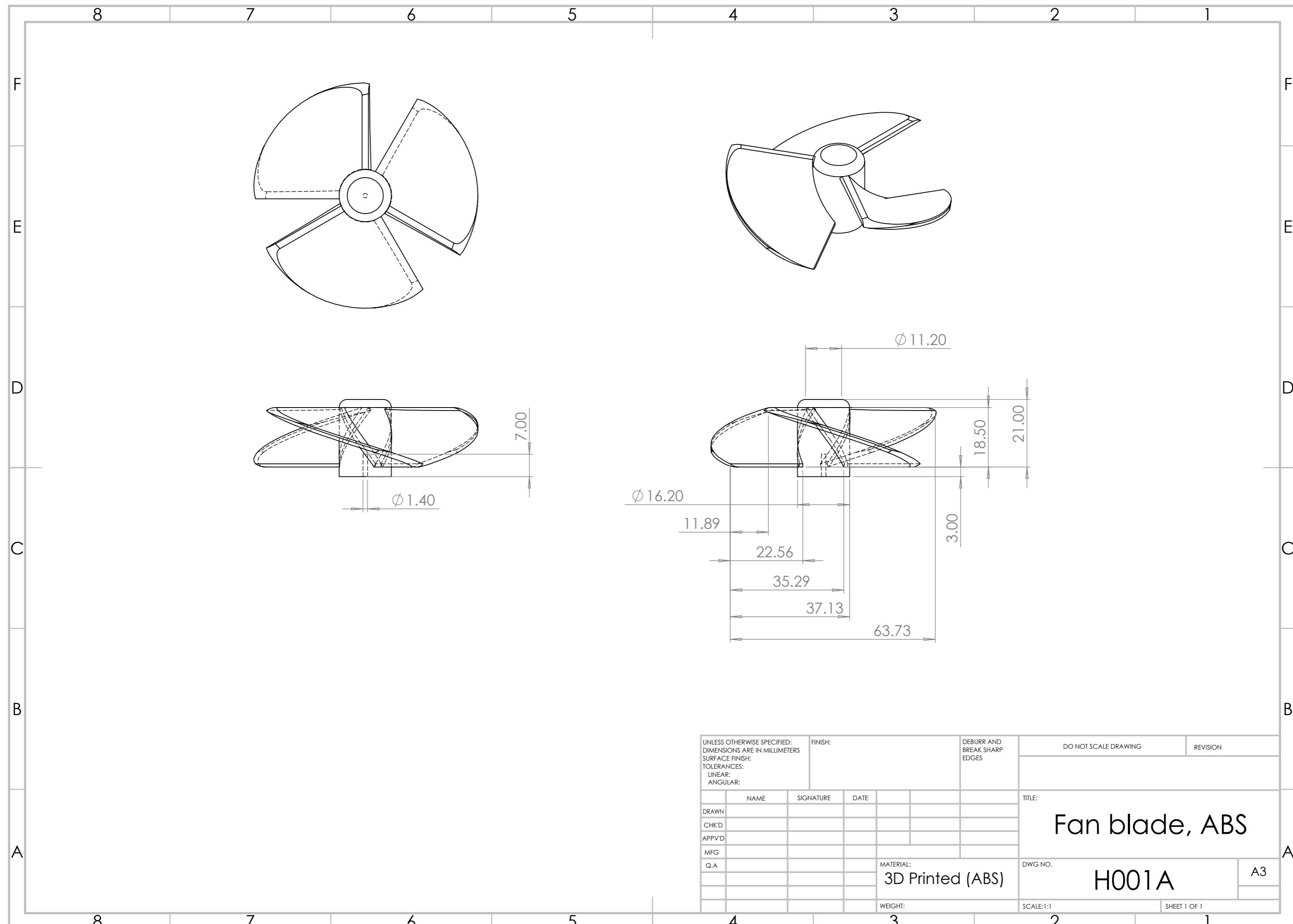


SYDE 361

Nicholas Barton (20877569), Jack Eshkenazi (20893647), Greg Fouzie (20889968),
Curtis Franz (20831938), Azaan Wazir (20877312)

Mechanical Diagrams - Solar Panel Powered Fan



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C

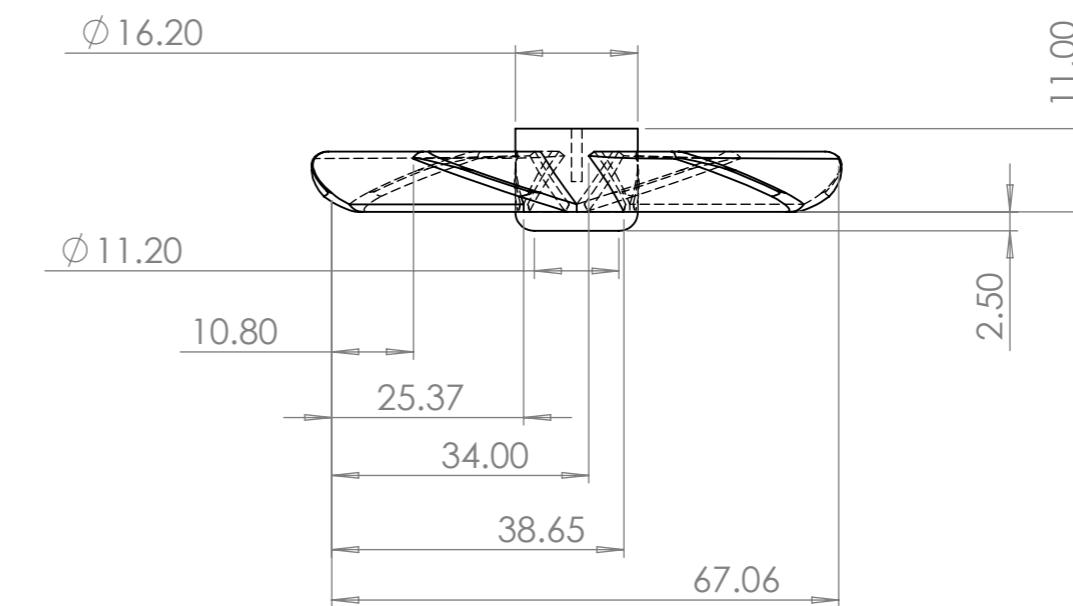
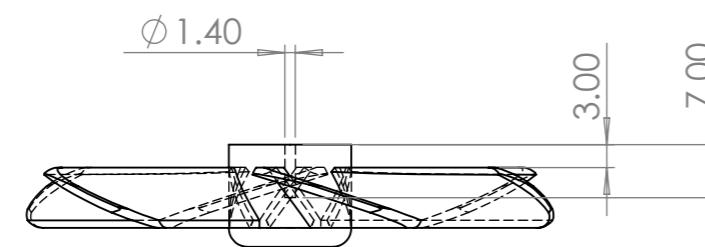
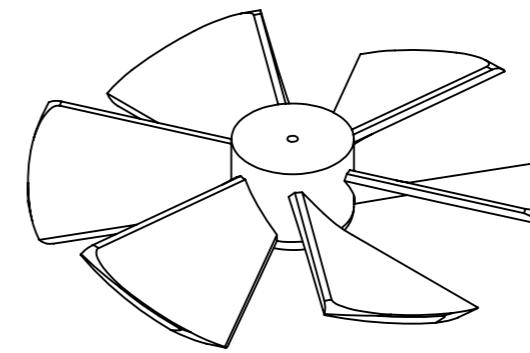
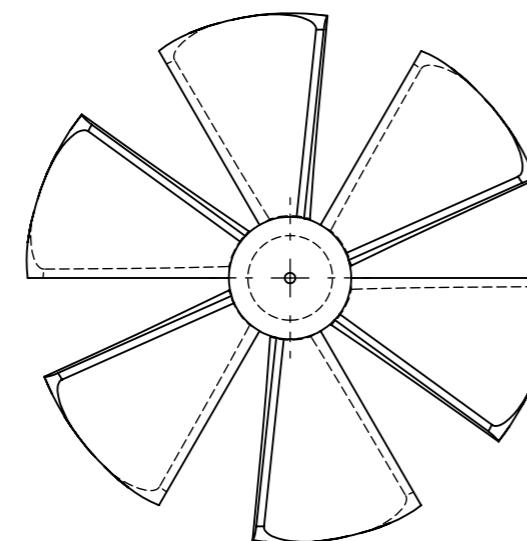
C

B

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UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

	NAME	SIGNATURE	DATE	
DRAWN				
CHK'D				
APP'D				
MFG				
Q.A				

MATERIAL:
3D Printed (ABS)

WEIGHT:

SCALE:1:1

DWG NO.

H002A

A3

SHEET 1 OF 1

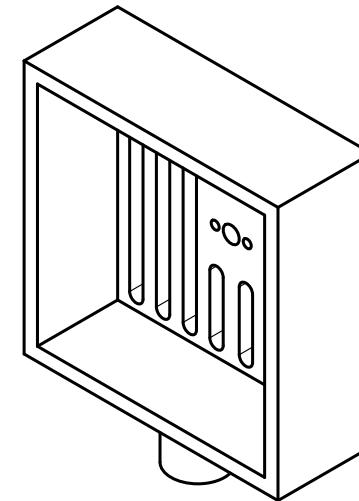
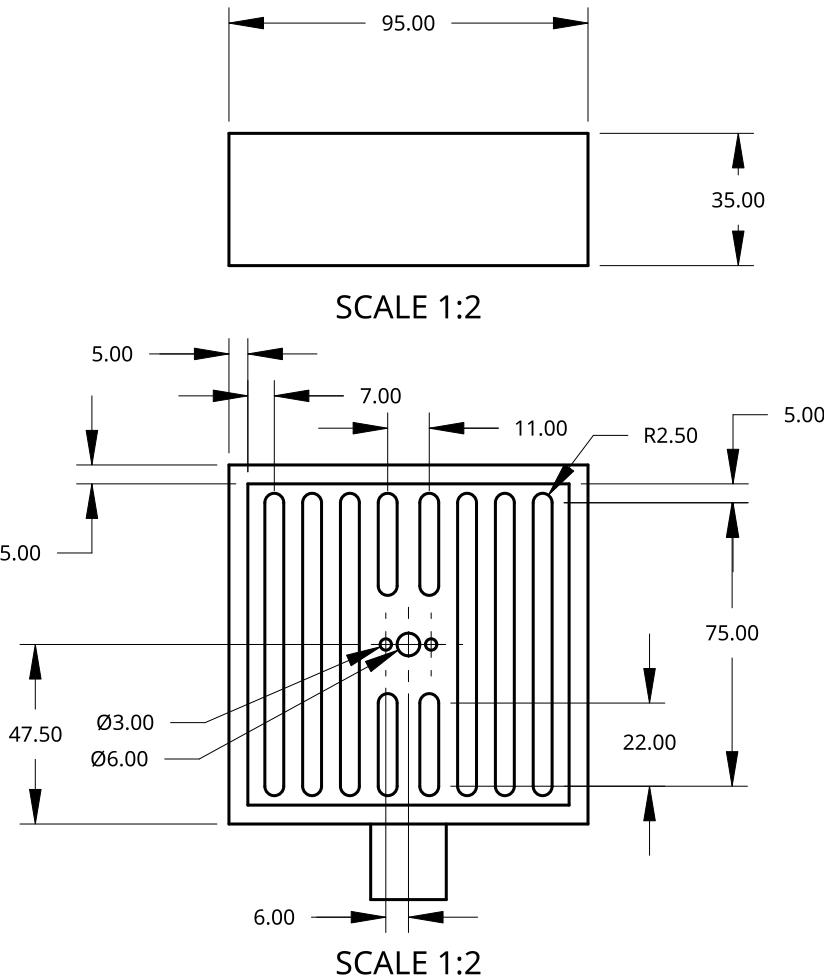
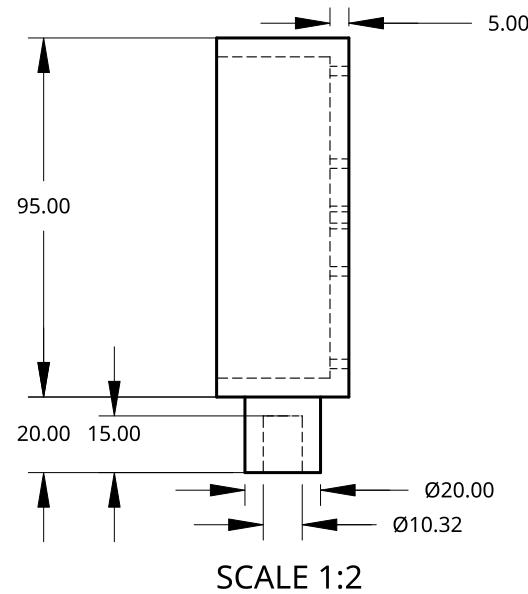
Fan blade, ABS

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**SCALE 1:2**

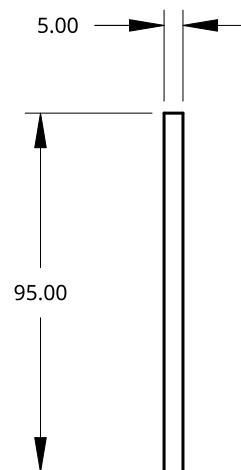
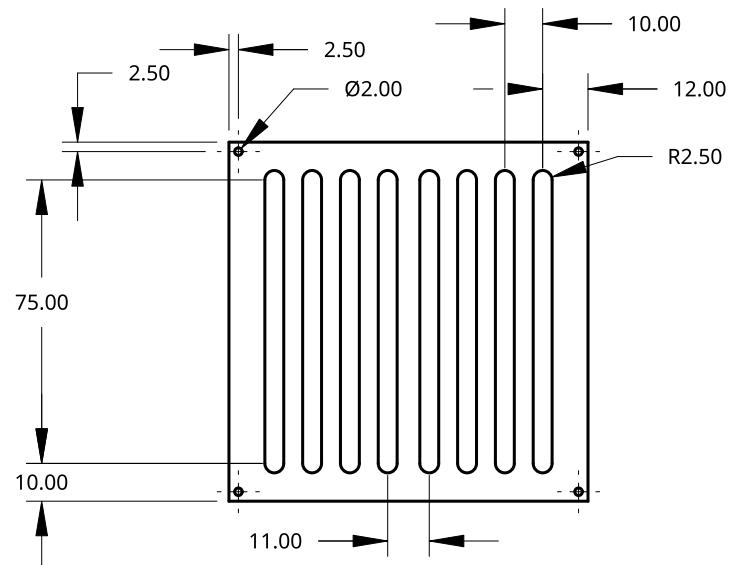
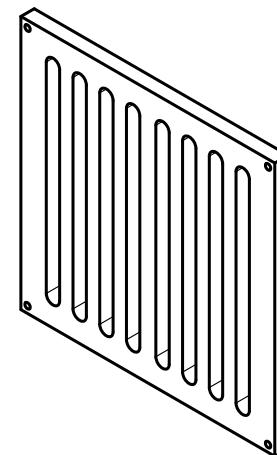
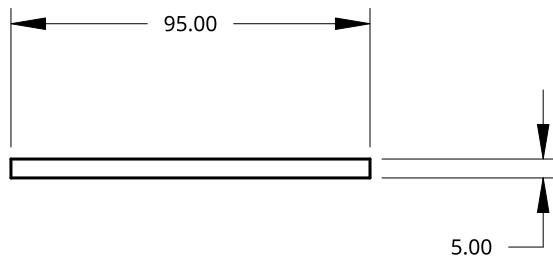
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		NAME	DATE			
.XX = ±.0- XXX = ±.00- XXXX = ±.000- SURFACE FINISH ✓		DRAWN	CURTIS FRANZ	06/25/2023		
ANGULAR = ± ° FRACTIONAL = ±		CHECKED				
DO NOT SCALE DRAWING		APPROVED				
BREAK ALL SHARP EDGES AND REMOVE BURRS						
THIRD ANGLE PROJECTION	MATERIAL	FINISH	SIZE	DWG NO.		
	Laser Cut & Machined Wood		A	H003A		
	SCALE	1:3	WEIGHT			
	SHEET	1 of 1				

B

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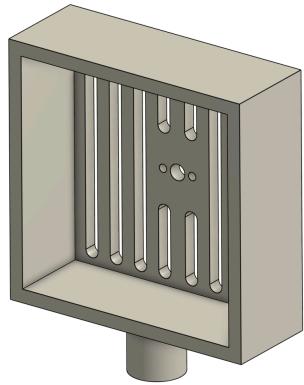
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES		NAME	DATE			
.XX = ±.0- .XXX = ±.00- .XXXX = ±.000-		CURTIS FRANZ	06/25/2023			
SURFACE FINISH ✓		TITLE			Fan Shell Cover Laser Cut Wood	
DO NOT SCALE DRAWING						
BREAK ALL SHARP EDGES AND REMOVE BURRS						
THIRD ANGLE PROJECTION	MATERIAL	FINISH	SIZE	DWG NO.	H004A	
	Laser Cut Wood		A			
		SCALE	1:2	WEIGHT		
		SHEET	1 of 1			

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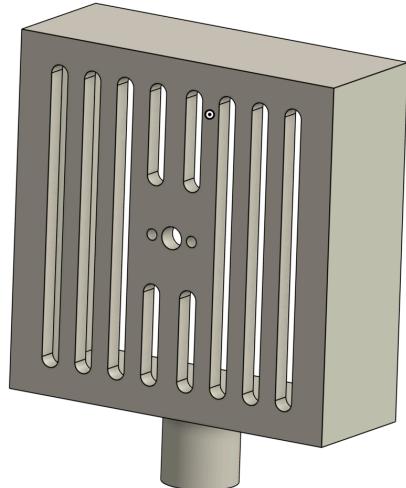
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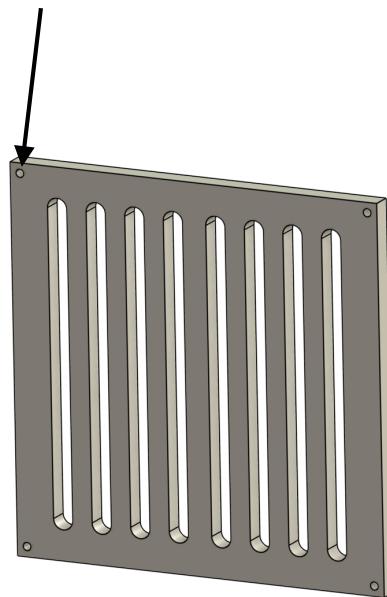


Front View Shell

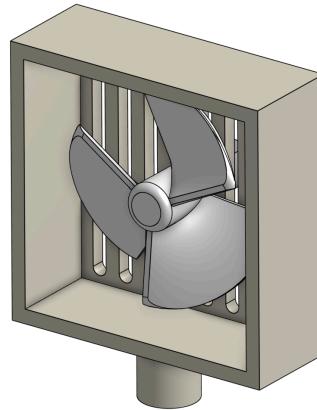


Rear View Shell

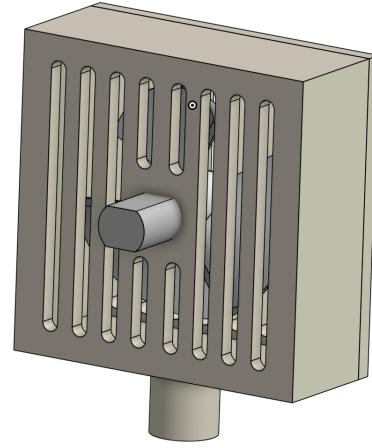
Note: small screws will be used to fasten the cover to the shell



Shell Cover



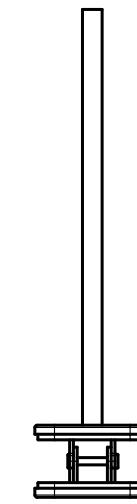
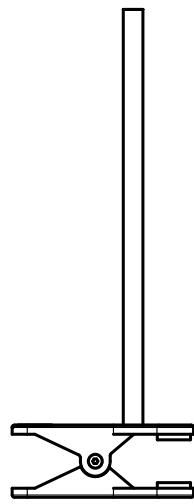
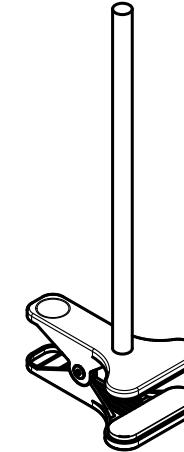
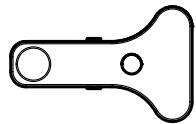
Front View Assembly (with and without cover)



Rear View Assembly

2

1



B

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	AZAAN WAZIR	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			CLIP-ON LAMP STAND (EXTERNALLY SOURCED)		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	B001A	REV.
		Various, externally sourced		SCALE	1:5	WEIGHT	SHEET
							1 of 1

2

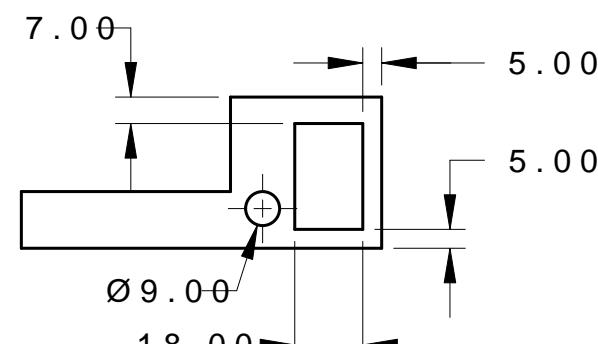
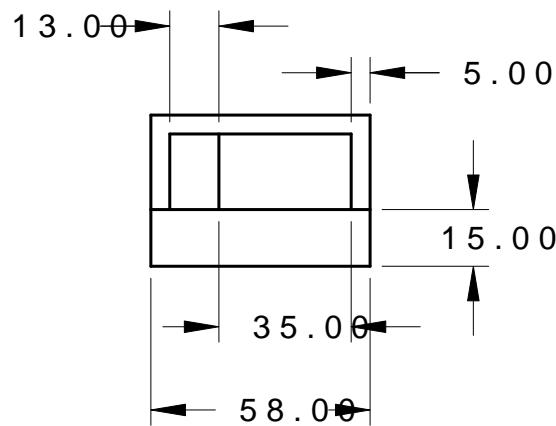
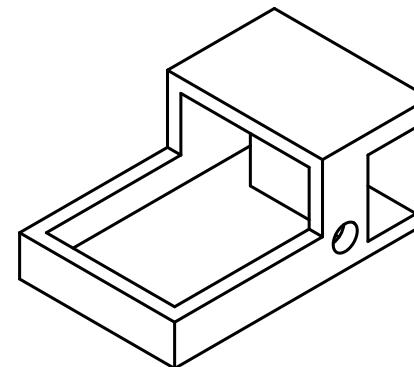
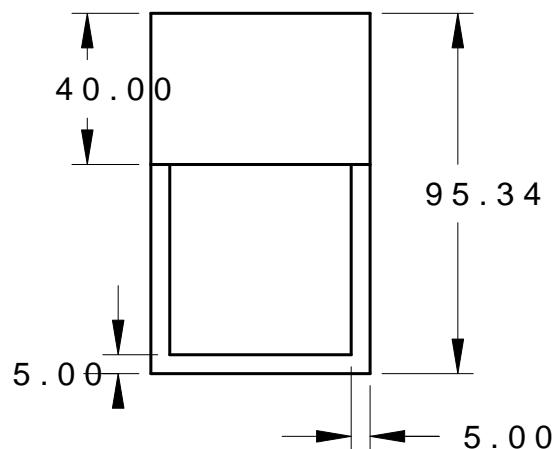
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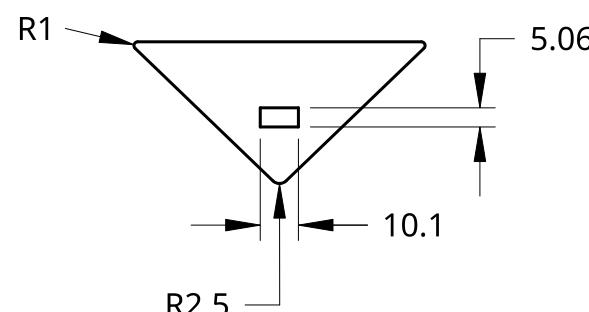
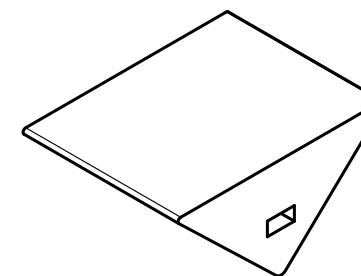
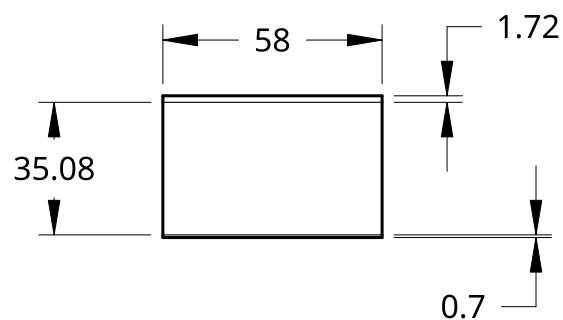
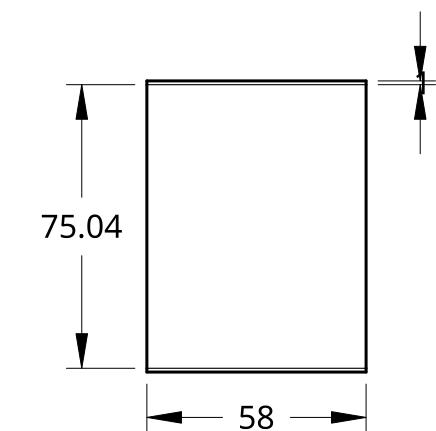
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS				NAME	DATE
.XX = ±.0-		DRAWN	JACK ESHKENAZ	Z06/25/2023	
.XXX = ±.00	ANGULAR = ±	CHECKED			
.XXXX = ±.000	FRACTIONAL =	APPROVED			
SURFACE FINISH				TITLE	
DO NOT SCALE DRAWING				Electronics Housing, ABS	
BREAK ALL SHARP EDGES AND REMOVE BURRS				SIZE A	DWG NO. B002A
THIRD ANGLE PROJECTION				REV.	
MATERIAL 3D Printed, ABS				SCALE 1:2	WEIGHT
					SHEET 1 of 1

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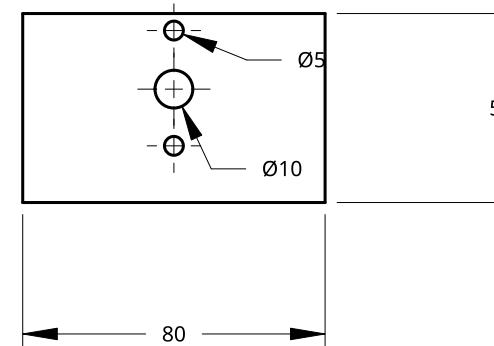
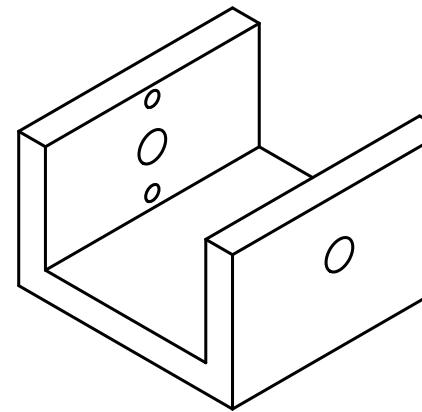
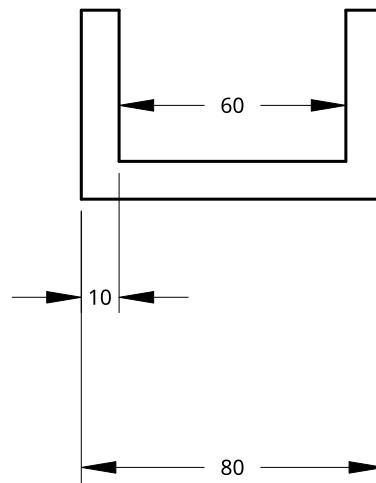
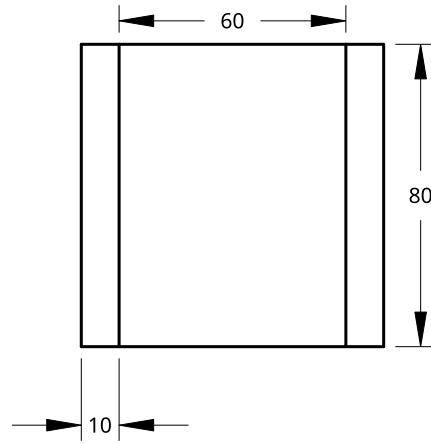
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	GREGORY FOUIZIE	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			Inner Triangle Base, ABS		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	REV.
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	B003A	
		3D Printed, ABS		SCALE	1:2	WEIGHT	SHEET
							1 of 1

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	GREGORY FOUIZIE	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			Rectangle Base, ABS		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	REV.
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	B004A	
		3D Printed, ABS		SCALE	1:2	WEIGHT	SHEET
							1 of 1

2

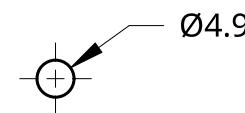
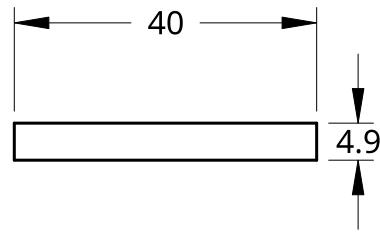
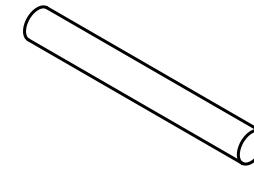
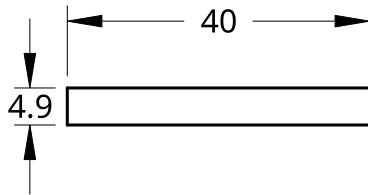
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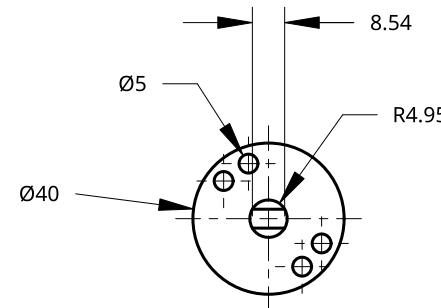
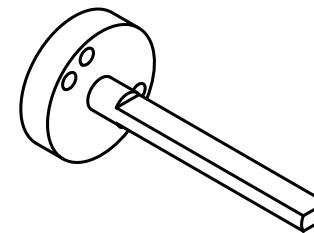
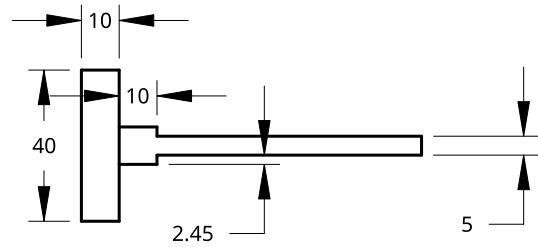
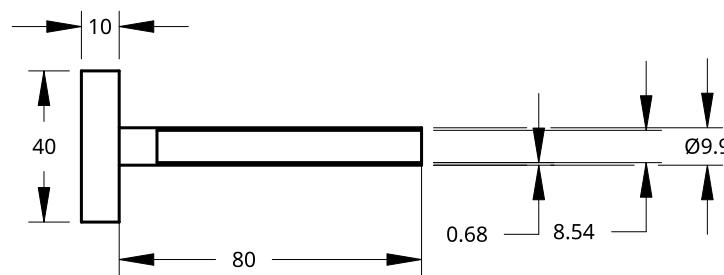
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	GREGORY FOUIZE	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			Peg, ABS		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	REV.
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	B005A	
		3D Printed, ABS		SCALE	1:1	WEIGHT	SHEET
							1 of 1

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	GREGORY FOUIZE	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			Centre Spinning Core, ABS		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	REV.
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	B006A	
		3D Printed, ABS		SCALE	1:2	WEIGHT	SHEET
							1 of 1

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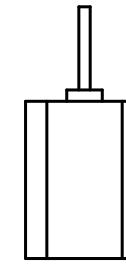
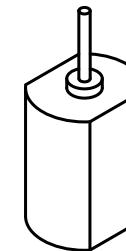
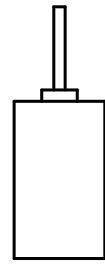
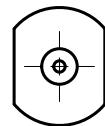
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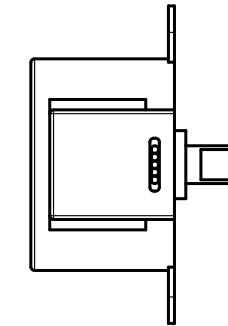
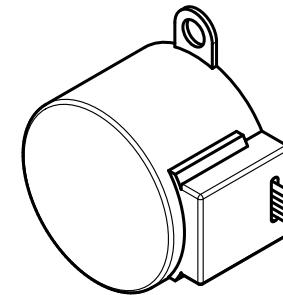
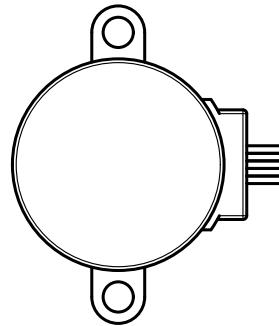
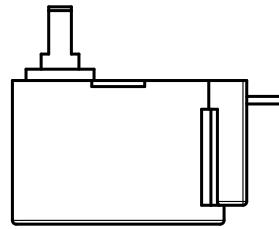
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS <small>ANGULAR = \pm °</small> <small>SURFACE FINISH ✓</small>			NAME	DATE			
		DRAWN	CURTIS FRANZ	06/25/2023			
		CHECKED			TITLE DC Fan Motor (EXTERNALLY SOURCED)		
		APPROVED					
DO NOT SCALE DRAWING BREAK ALL SHARP EDGES AND REMOVE BURRS THIRD ANGLE PROJECTION					SIZE	DWG NO.	
		MATERIAL	FINISH		A	DCMOTOR1	REV.
		DC Motor			SCALE	1:1	WEIGHT
							SHEET 1 of 1

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B

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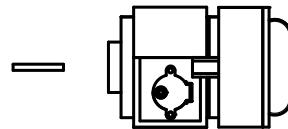
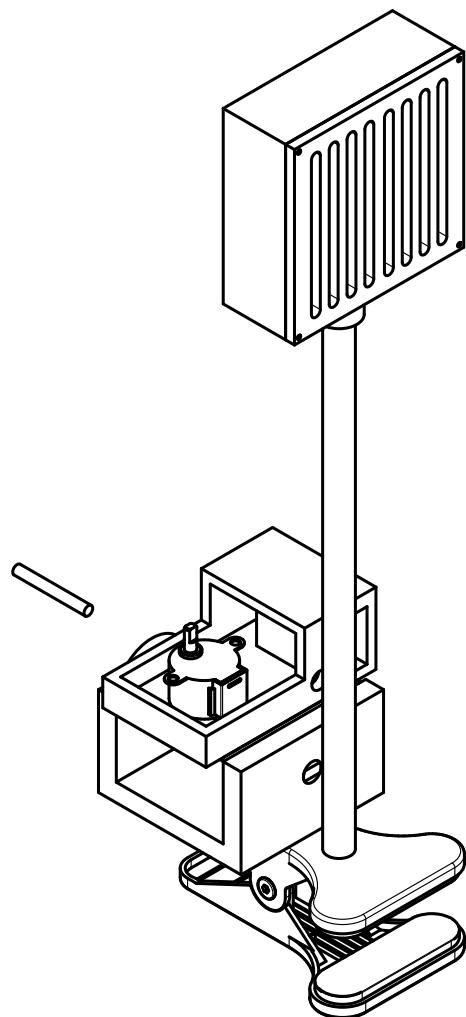
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	CURTIS FRANZ	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			Stepper Motor (EXTERNALLY SOURCED)		
BREAK ALL SHARP EDGES AND REMOVE BURRS					SIZE	DWG NO.	
THIRD ANGLE PROJECTION		MATERIAL	FINISH		A	STEPPERMOTOR1	REV.
				SCALE	1:1	WEIGHT	SHEET
							1 of 1

2

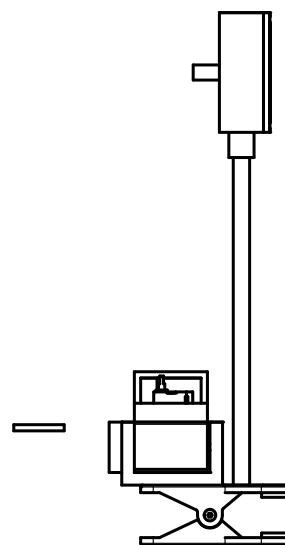
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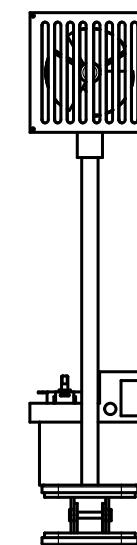
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SCALE 1:6



SCALE 1:6



SCALE 1:6

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS			NAME	DATE			
ANGULAR = \pm °		DRAWN	AZAAN WAZIR	06/25/2023			
SURFACE FINISH ✓		CHECKED			TITLE		
DO NOT SCALE DRAWING		APPROVED			ASSEMBLY DIAGRAM		
BREAK ALL SHARP EDGES AND REMOVE BURRS							
THIRD ANGLE PROJECTION		MATERIAL	FINISH		SIZE	DWG NO.	REV.
					A	ASSEMBLY1	
					SCALE	1:3	WEIGHT
							SHEET
							1 of 1

2

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B

A