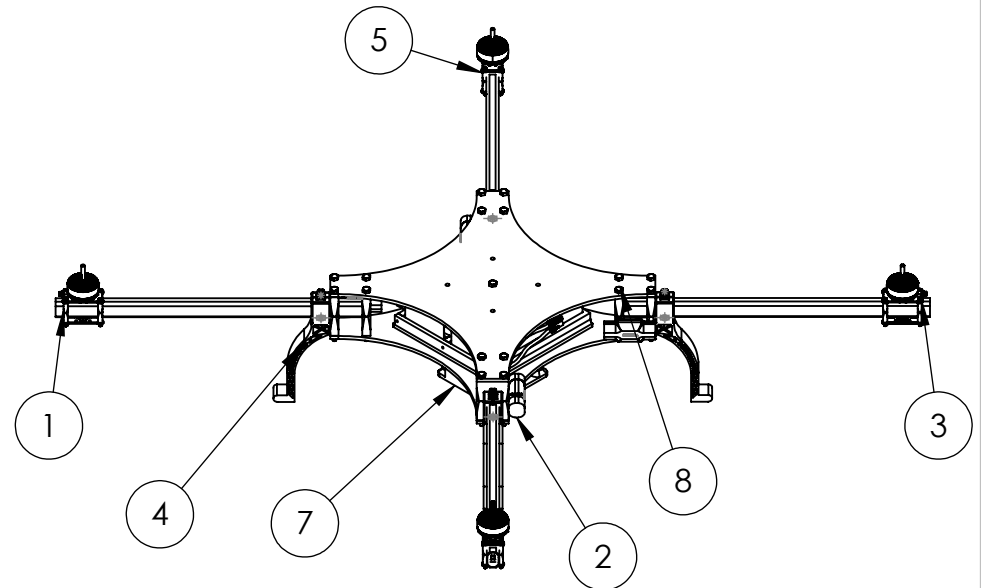


B

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	motormount_assembly		4
2	ESC_120A	ESCs	4
3	M3 x 0.5mm Thread 50mm LONG SOCKET HEAD CAP SCREW	Motor Mount Screws	16
4	Arm_legs_V3	Legs	4
5	MOtormount_plate	Motor Mount Plate	4
6	hex bolt_ai		4
7	payload_sub_assembly		1
8	Frame_Subassembly		1

A



B

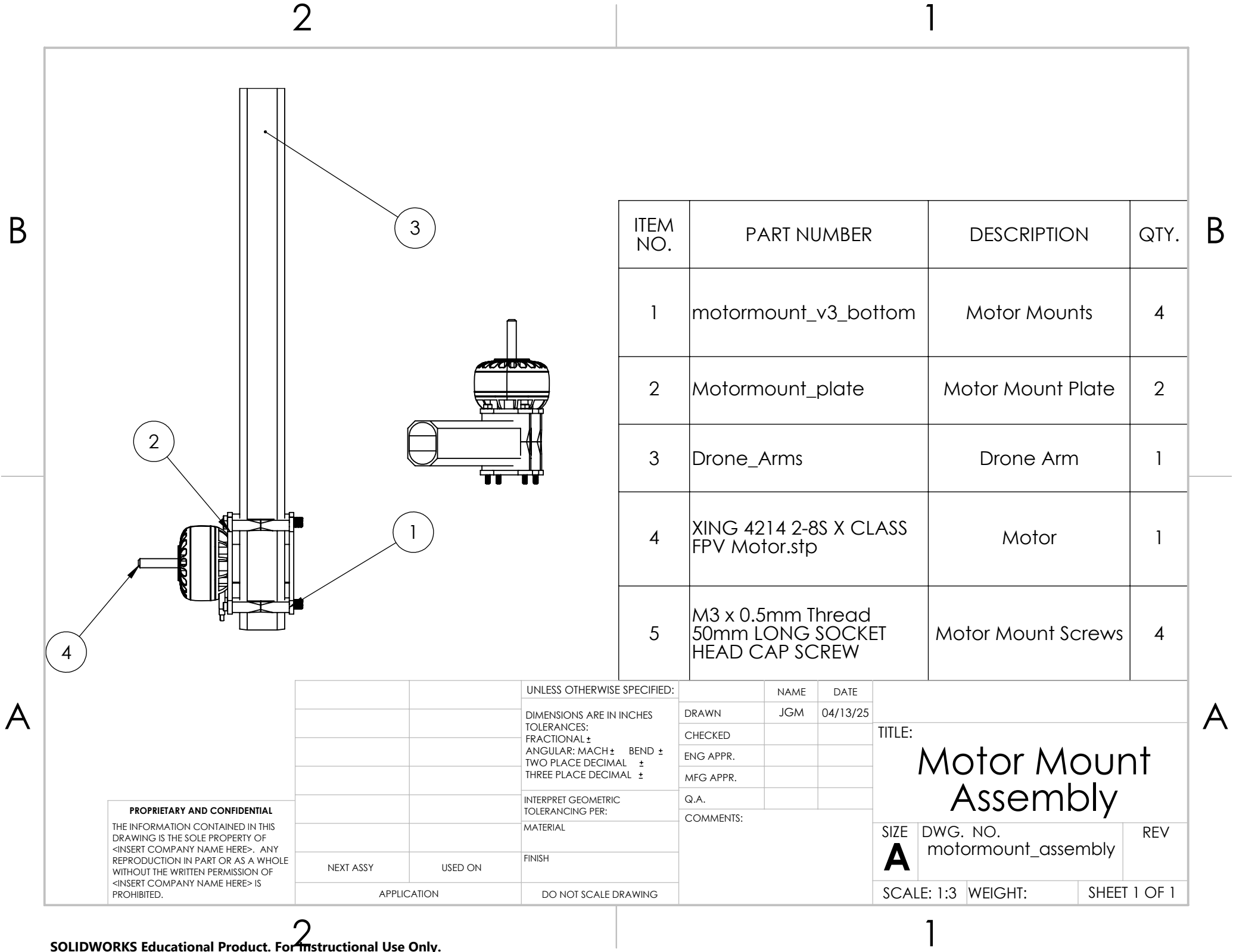
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	NAME	DATE	TITLE: Drone Assembly	
DRAWN	CAD	3/25/25		
CHECKED				
ENG APPR.				
MFG APPR.				
Q.A.				
COMMENTS:			SIZE A	DWG. NO. Drone_Assembly
			SCALE: 1:12	WEIGHT:
			SHEET 1 OF 1	

B

B

B



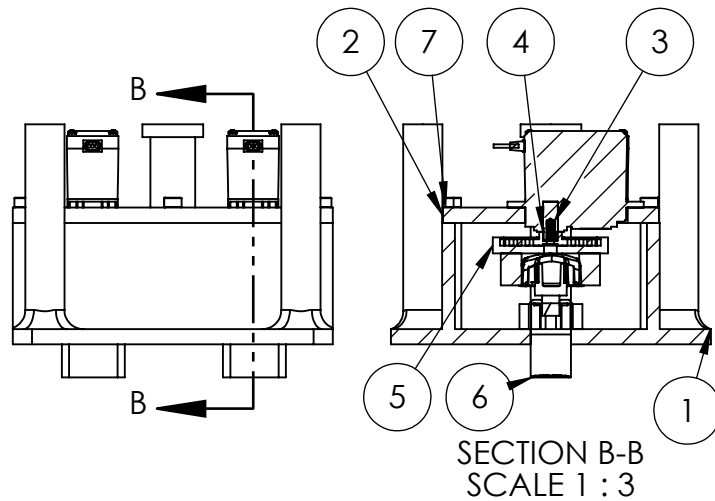
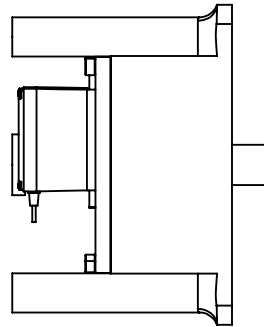
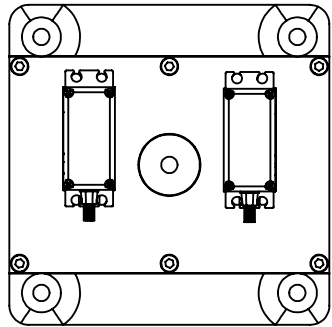
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	motormount_v3_bottom	Motor Mounts	4
2	Motormount_plate	Motor Mount Plate	2
3	Drone_Arms	Drone Arm	1
4	XING 4214 2-8S X CLASS FPV Motor.stp	Motor	1
5	M3 x 0.5mm Thread 50mm LONG SOCKET HEAD CAP SCREW	Motor Mount Screws	4

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	JGM	04/13/25
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:					
Motor Mount Assembly					
SIZE	DWG. NO.			REV	
A	motormount_assembly				
SCALE: 1:3		WEIGHT:		SHEET 1 OF 1	

B

SECTION B-B
SCALE 1 : 3

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Drone_Payload_bracket_part1_JAB_3_22_25		1
2	Drone_Payload_bracket_part2_JAB_3_22_25		1
3	drone_payload_servo		2
4	drone_payload_servo_4sided_arm		2
5	actuator wheel adjusted (part 2 electric boogaloo)		2
6	MagSwitch	MAGSWITCH MAGJIG 60 – 8100818	2
7	Allen key bolt M4	Bolts	6

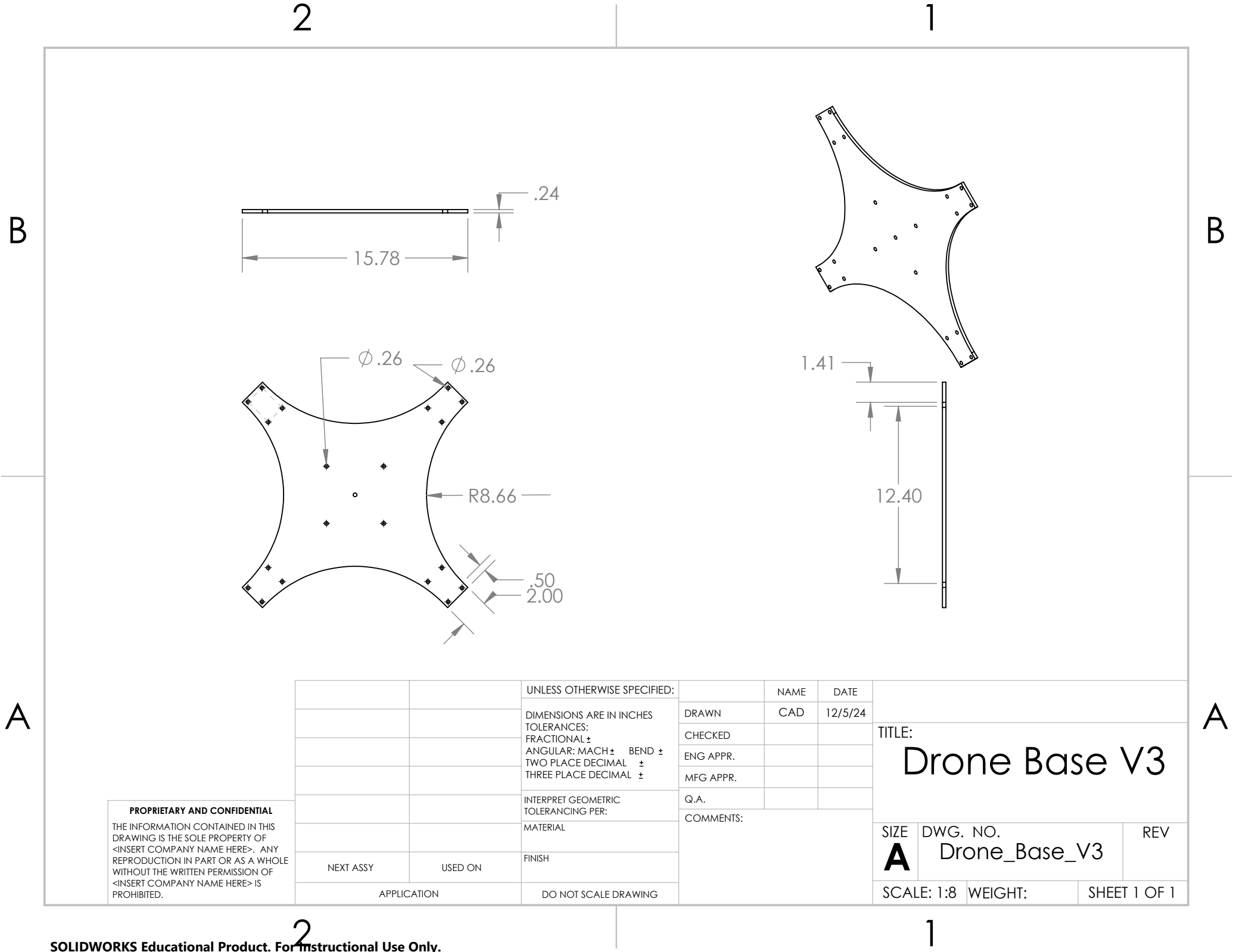
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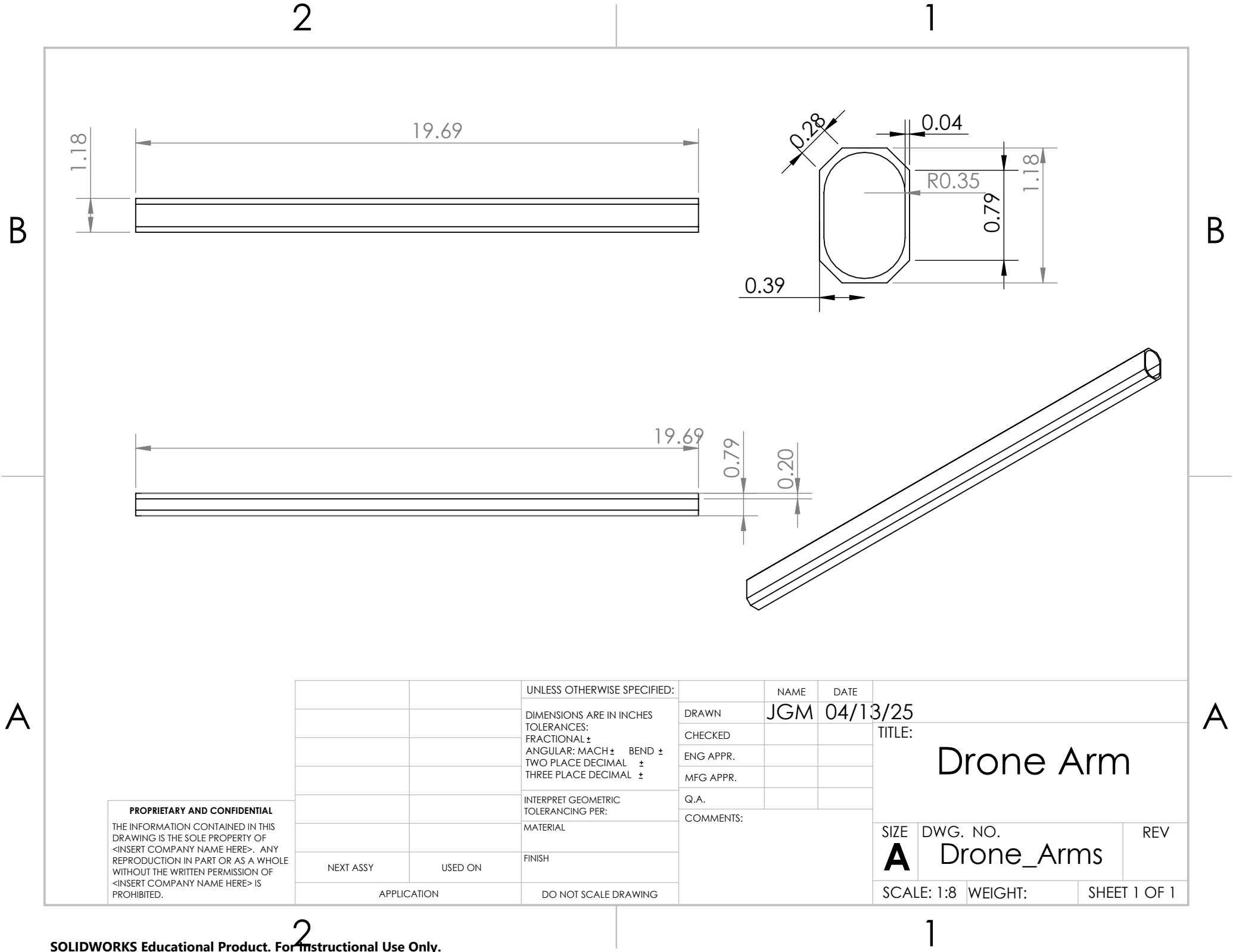
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Payload Subassembly			
		DIMENSIONS ARE IN INCHES	DRAWN	CAD	4/13/25				
		TOLERANCES:	CHECKED						
		FRACTIONAL ±	ENG APPR.						
		ANGULAR: MACH ± BEND ±	MFG APPR.						
		TWO PLACE DECIMAL ±				SIZE DWG. NO. REV A payload_sub_assembly			
		THREE PLACE DECIMAL ±							
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.						
		MATERIAL	COMMENTS:						
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING							

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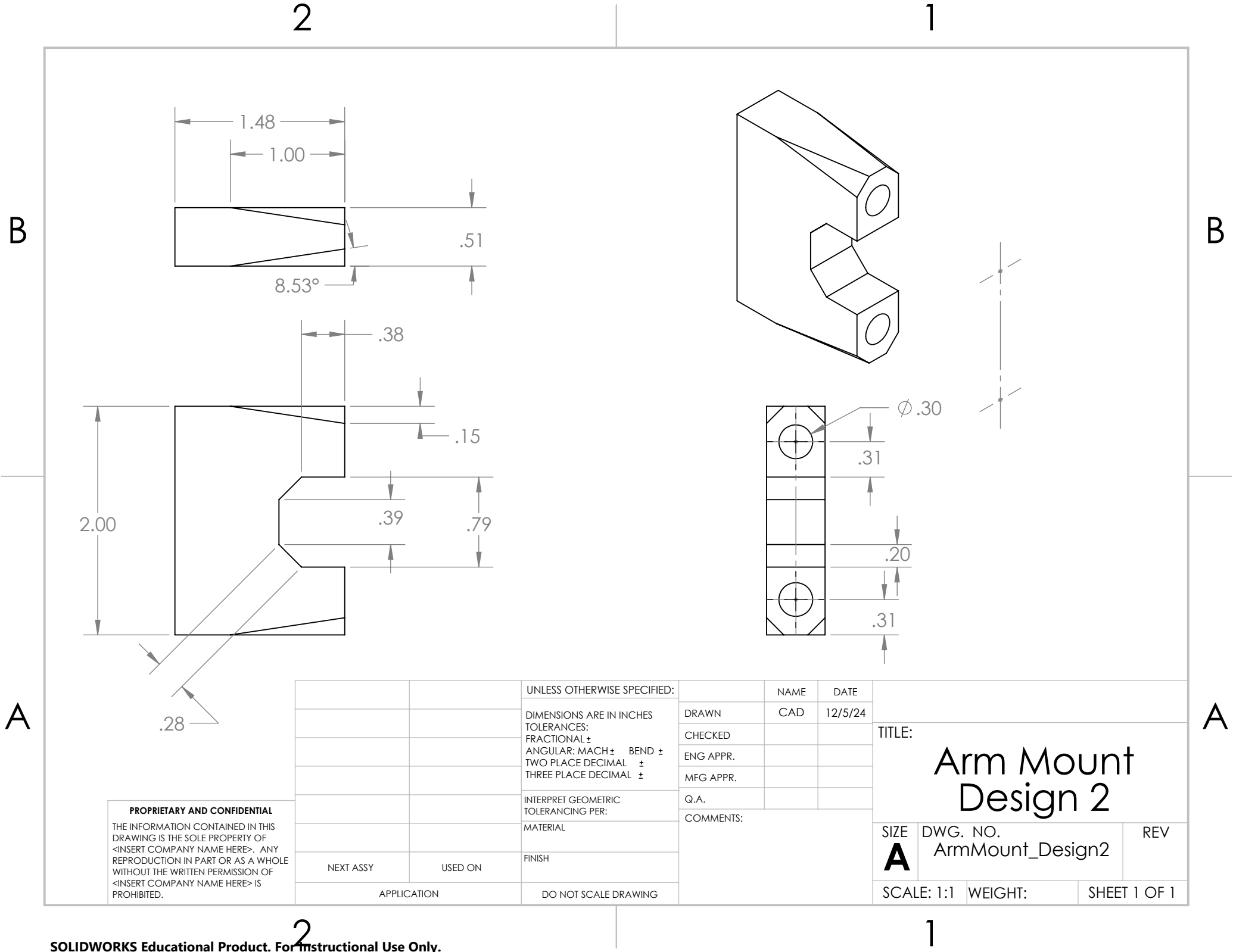
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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES
		TOLERANCES:
		FRACTIONAL \pm
		ANGULAR: MACH \pm BEND \pm
		TWO PLACE DECIMAL \pm
		THREE PLACE DECIMAL \pm
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JGM	04/13/25
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:			Drone Arm		
SIZE	DWG. NO.		REV		
A	Drone_Arms				
SCALE: 1:8		WEIGHT:		SHEET 1 OF 1	



B

1

B

A

A

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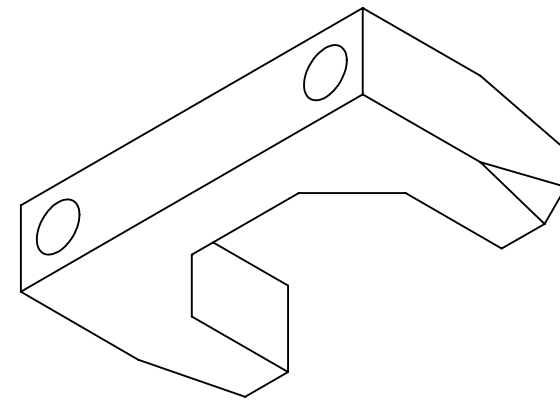
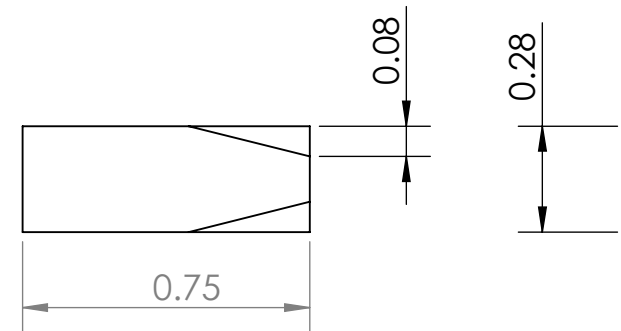
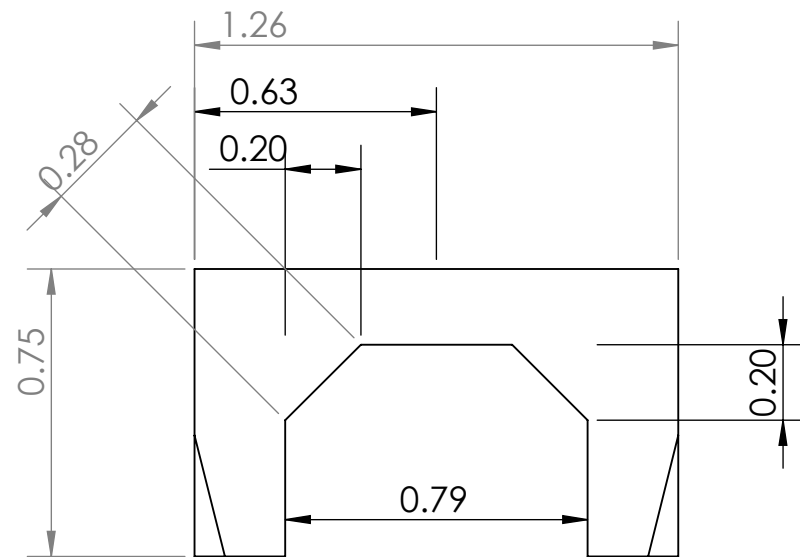
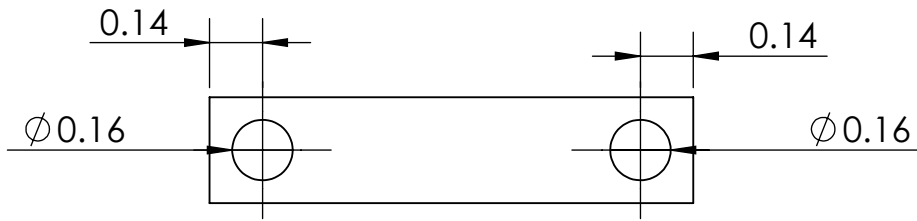
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Arm Mount Design 2		
SIZE	DWG. NO.	REV
A	ArmMount_Design2	
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

2

1

B



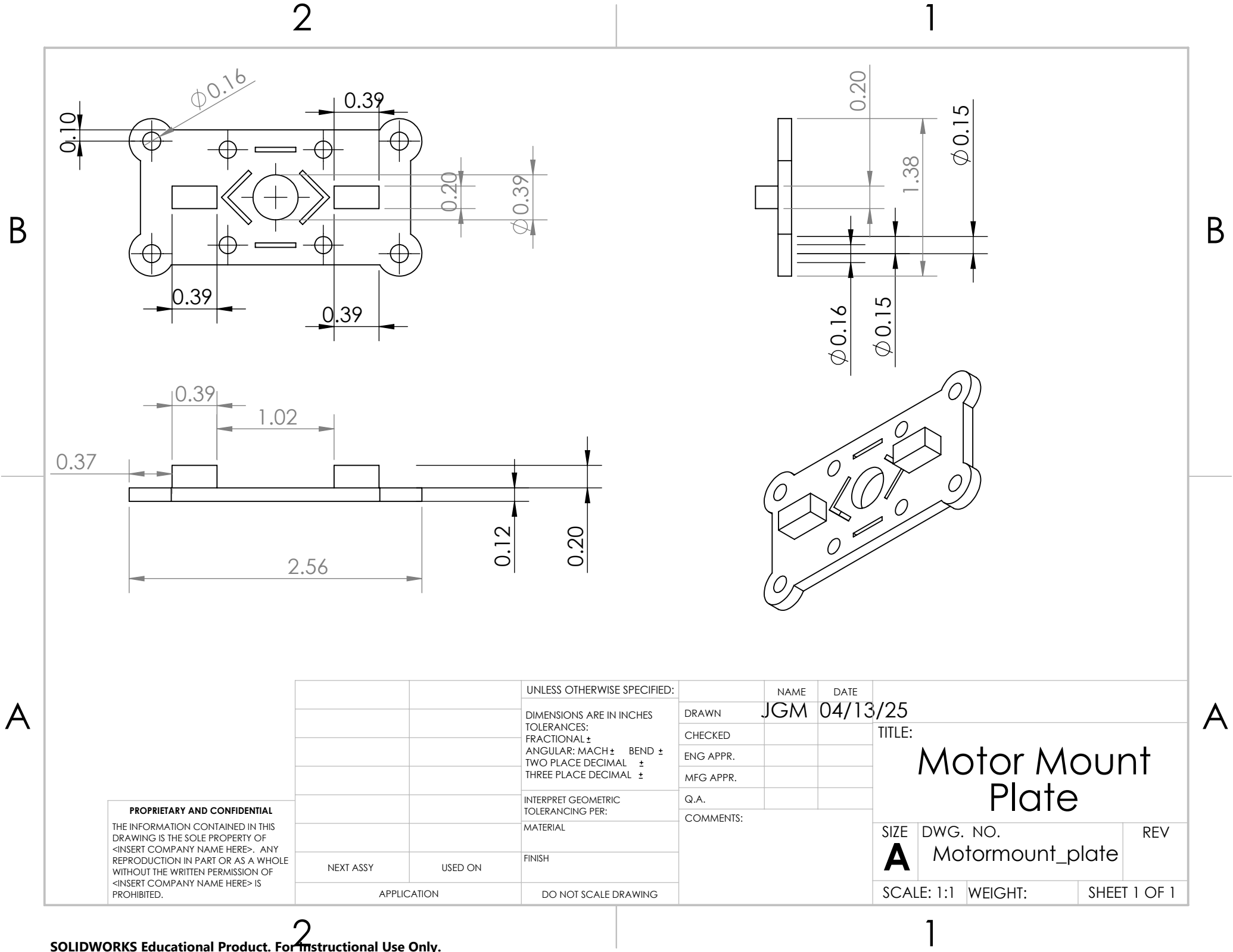
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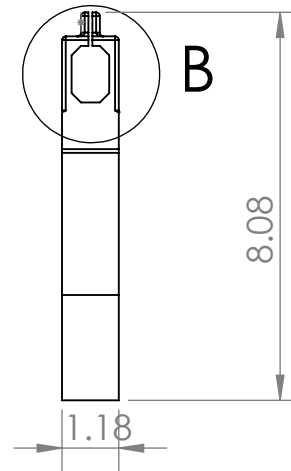
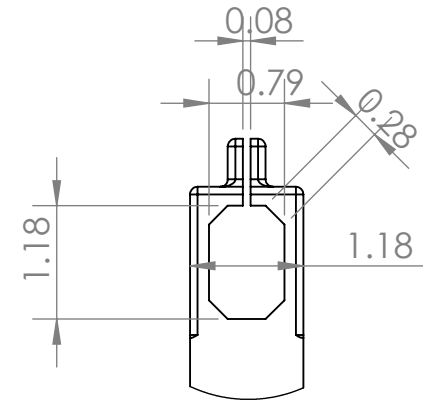
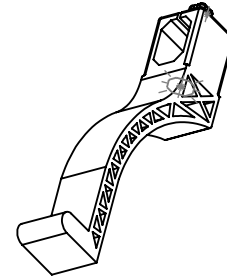
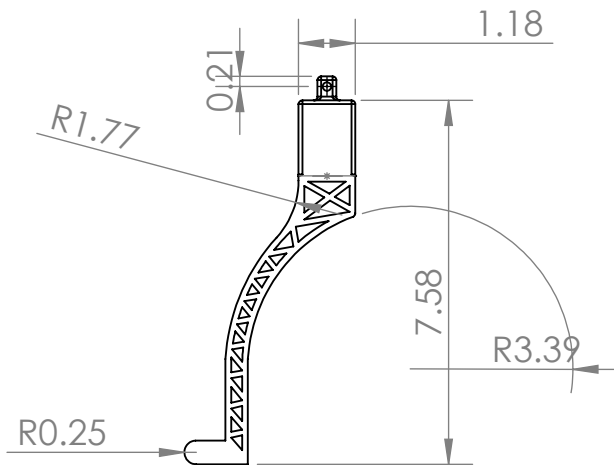
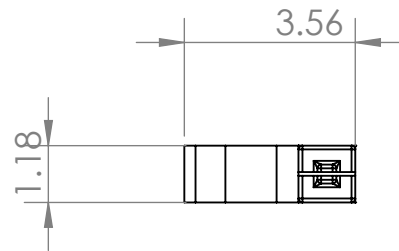
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Motor Mounts				
		DIMENSIONS ARE IN INCHES	DRAWN							
		TOLERANCES:	CHECKED							
		FRACTIONAL ±	ENG APPR.							
		ANGULAR: MACH± BEND ±	MFG APPR.							
		TWO PLACE DECIMAL ±				SIZE	DWG. NO.	REV		
		THREE PLACE DECIMAL ±							A	motormount_v3_bottom
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.							
		MATERIAL	COMMENTS:							
		FINISH								
NEXT ASSY	USED ON									
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:1	WEIGHT:	SHEET 1 OF 1		



B



DETAIL B
SCALE 1 : 2

B

A

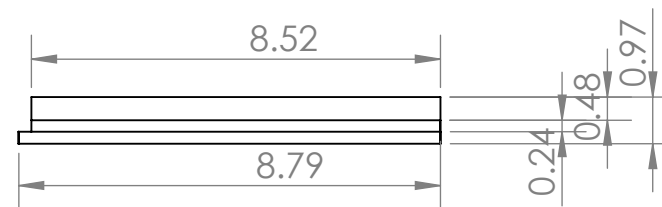
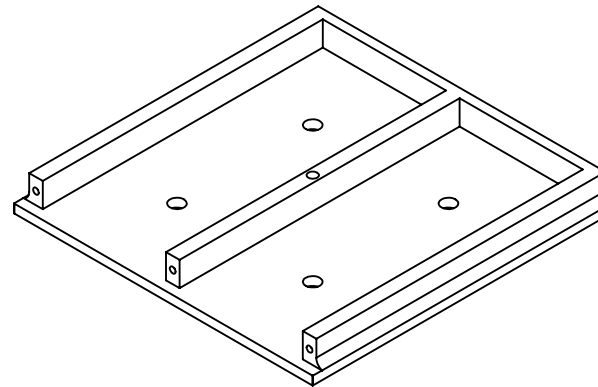
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE			
		DIMENSIONS ARE IN INCHES	DRAWN	JGM	04/13/25	TITLE: Legs		
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±						
		THREE PLACE DECIMAL ±	Q.A.			SIZE DWG. NO. REV A Arm_legs_V3		
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:					
		MATERIAL						
NEXT ASSY	USED ON	FINISH				SCALE: 1:4 WEIGHT: SHEET 1 OF 1		
APPLICATION		DO NOT SCALE DRAWING						

1

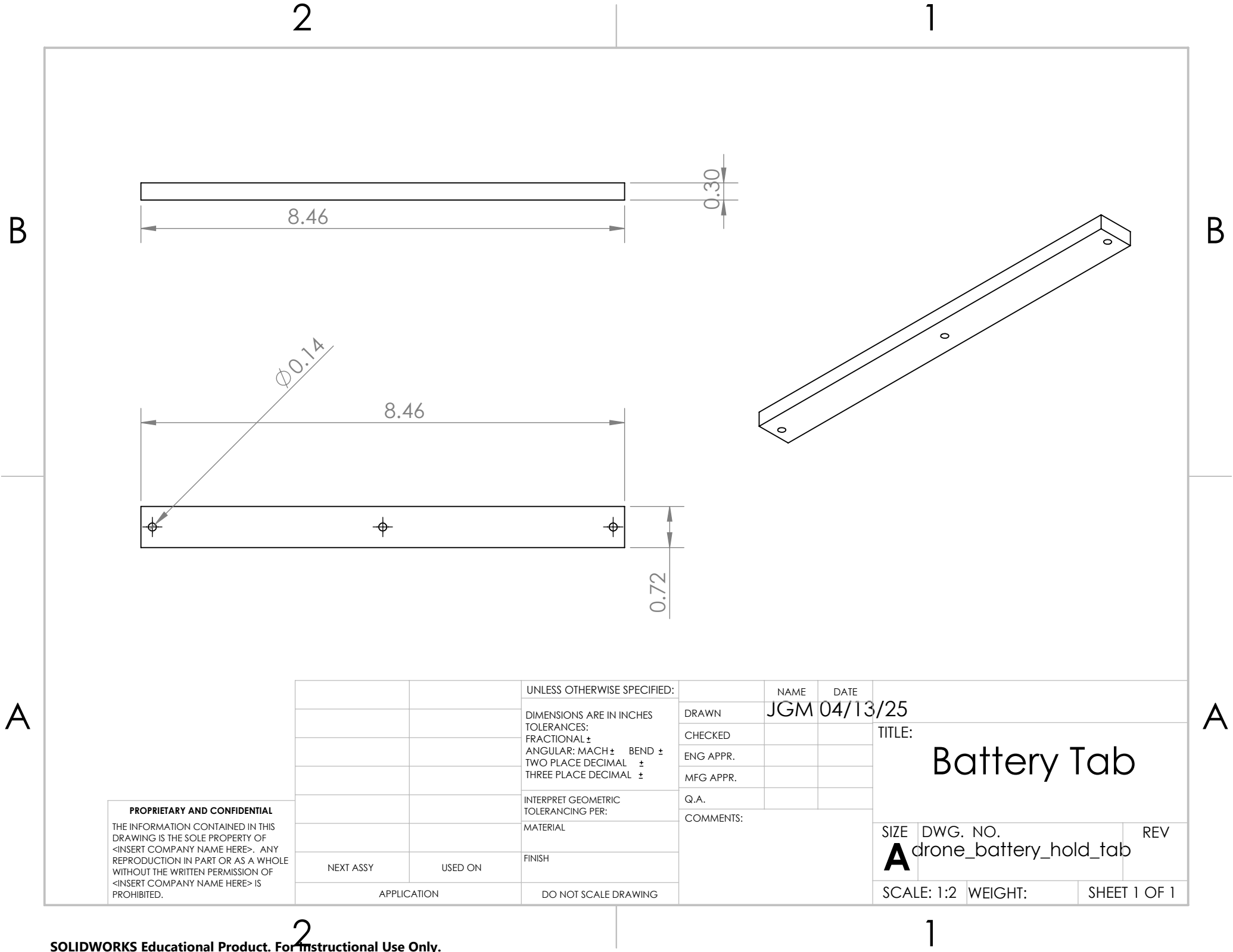
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1

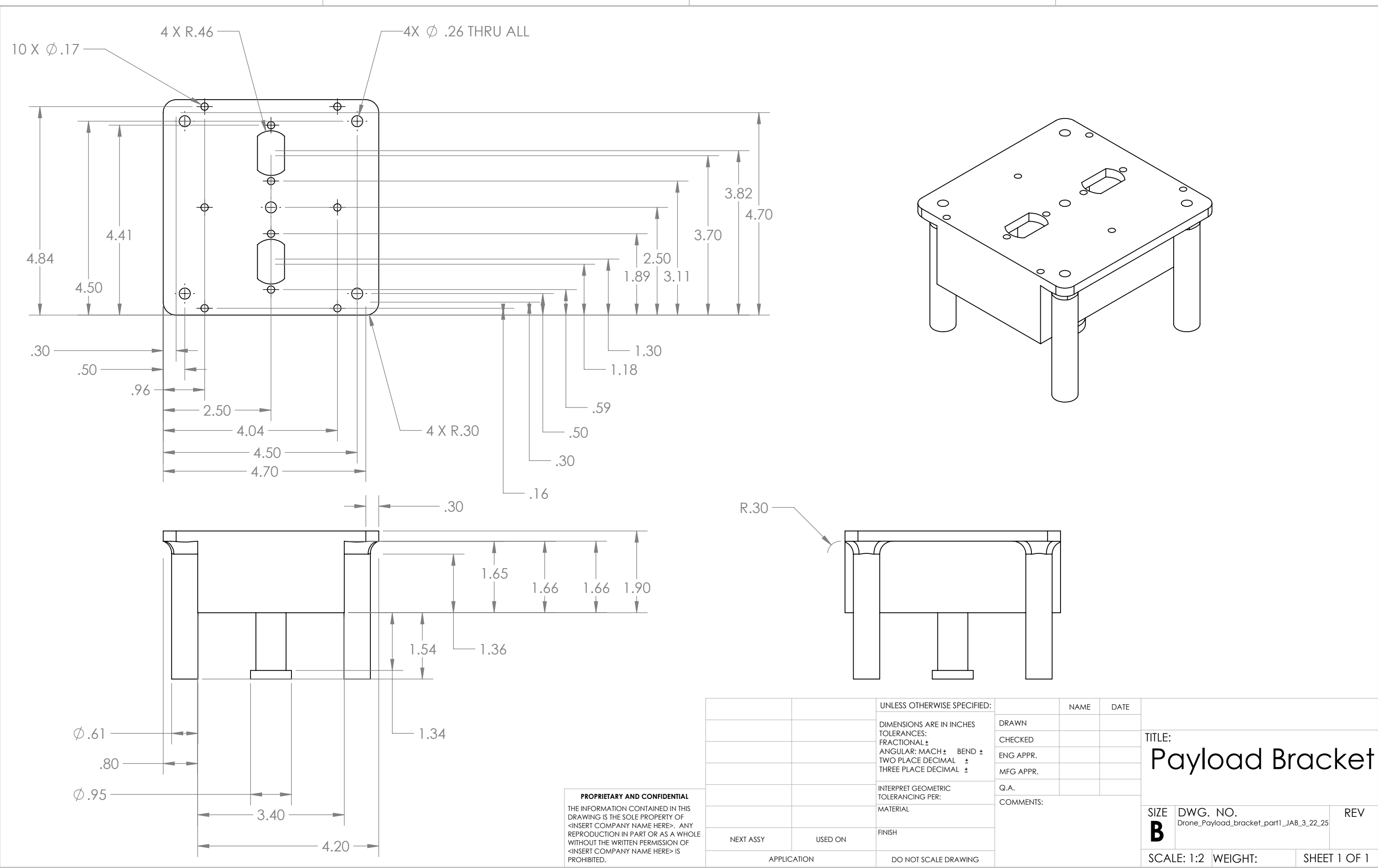


B

A

B

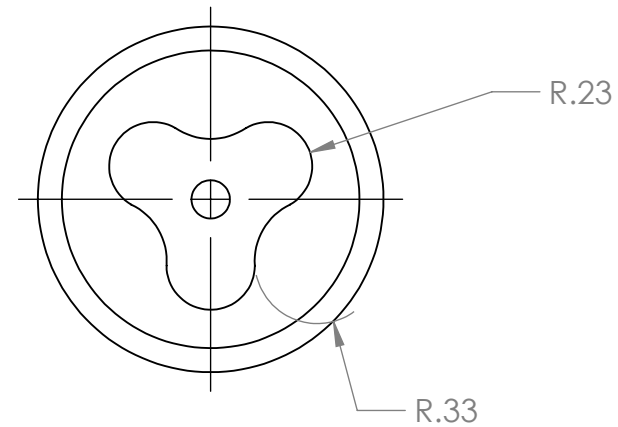
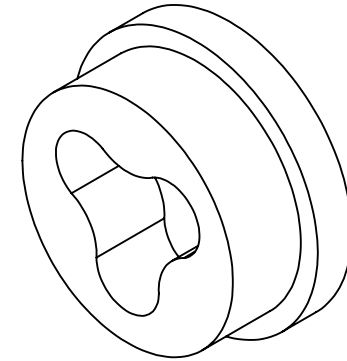
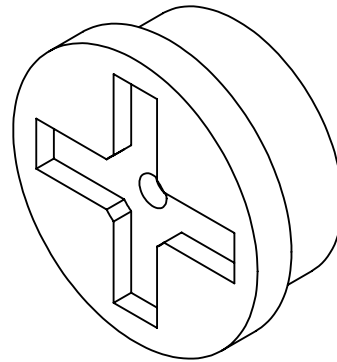
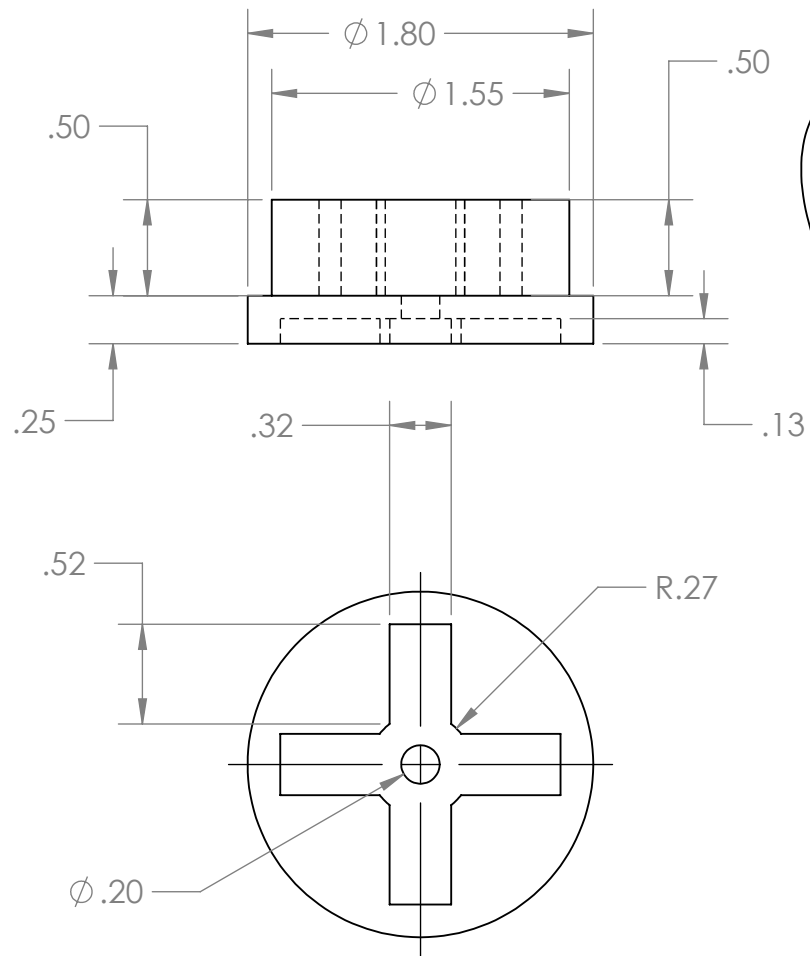
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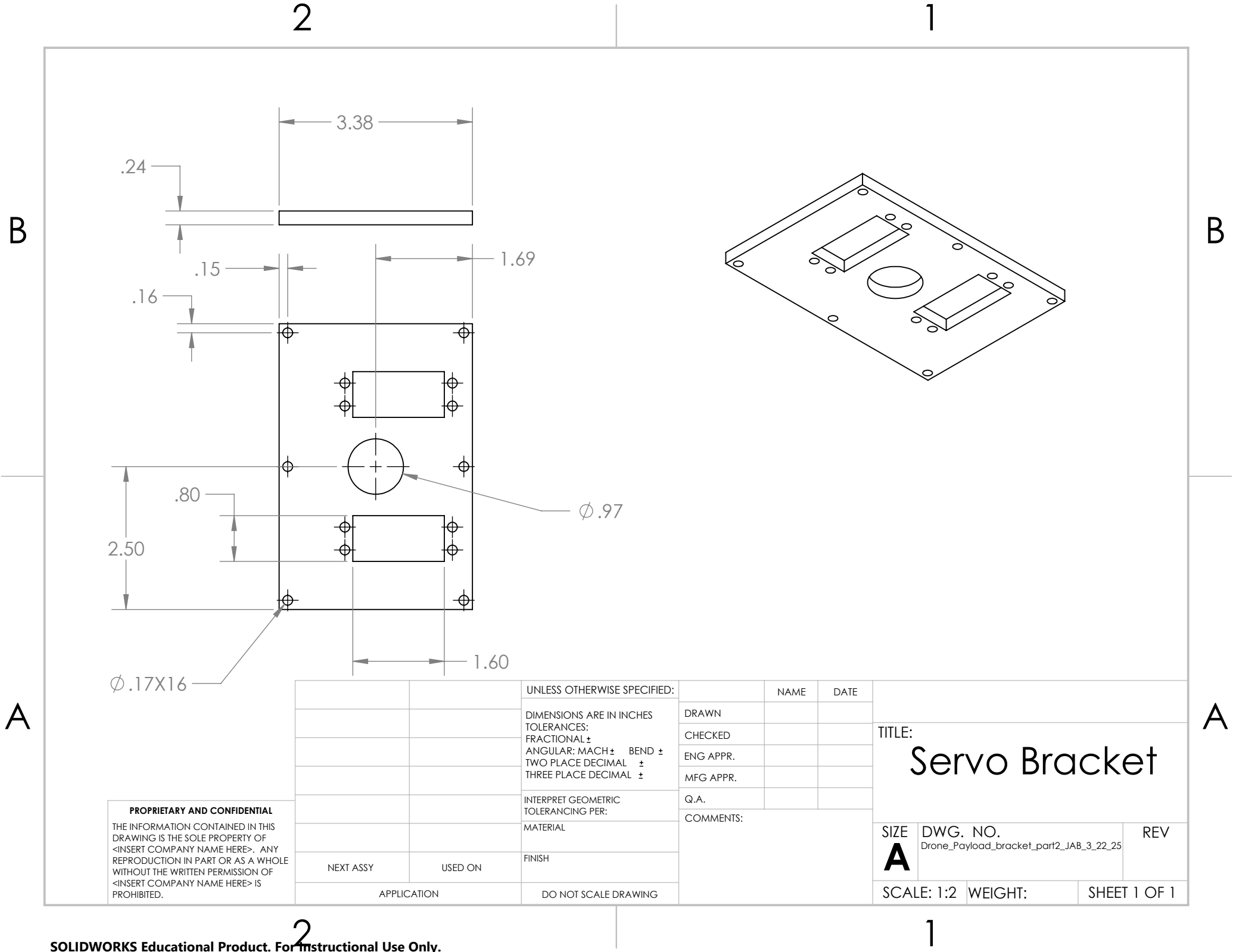
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Actuator Wheel		
		DIMENSIONS ARE IN INCHES	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL \pm	ENG APPR.					
		ANGULAR: MACH \pm BEND \pm	MFG APPR.					
		TWO PLACE DECIMAL \pm	Q.A.			SIZE A	DWG. NO. actuator wheel adjusted (part 2 electric boogaloo)	REV
		THREE PLACE DECIMAL \pm	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
		FINISH						
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING					



4

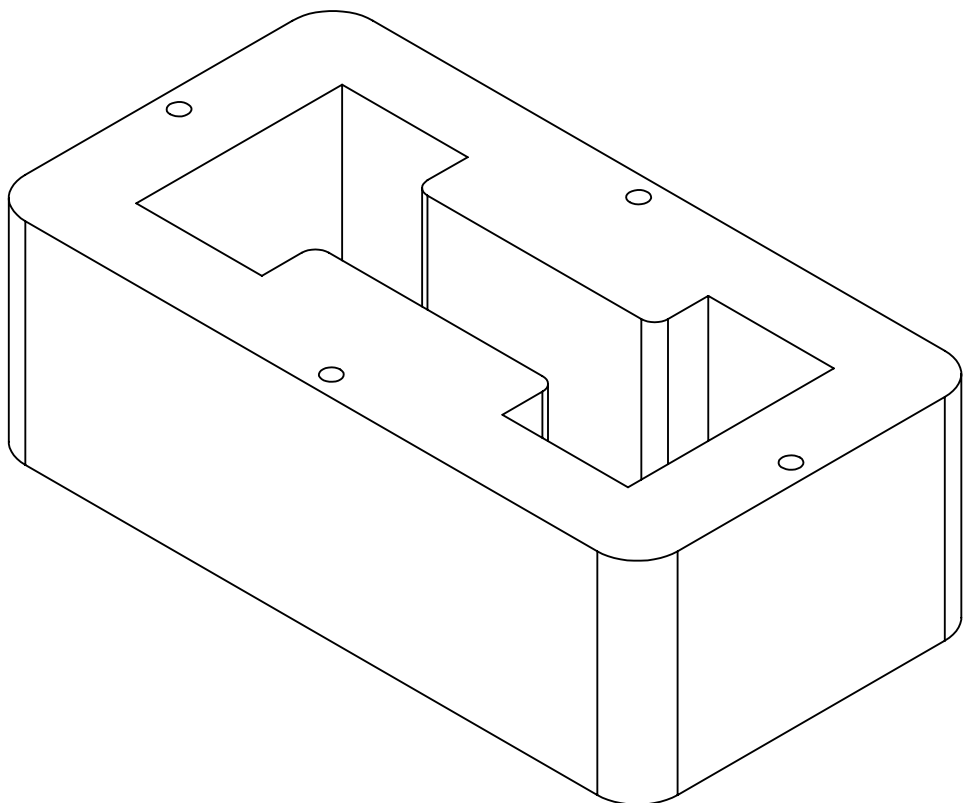
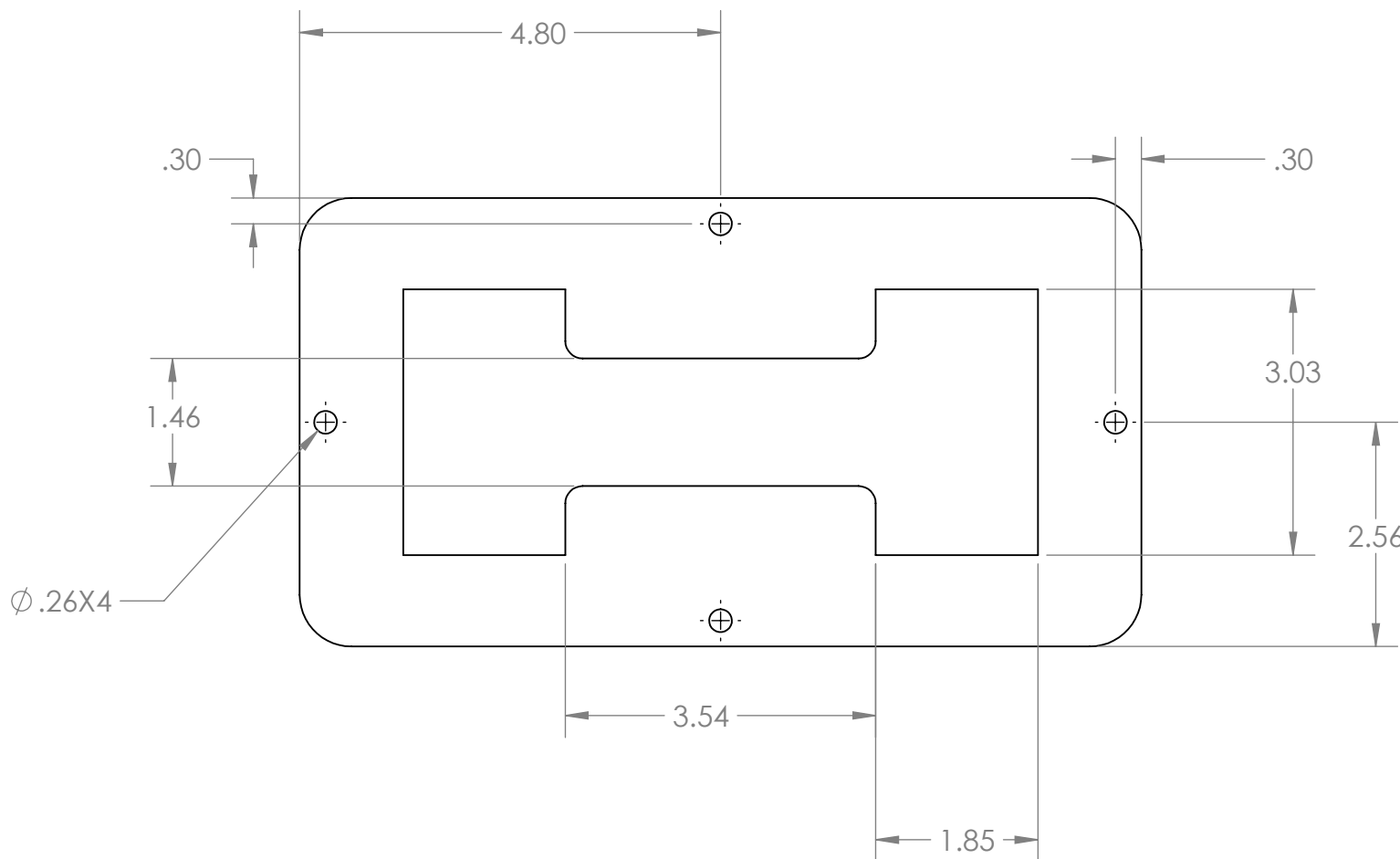
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2

1

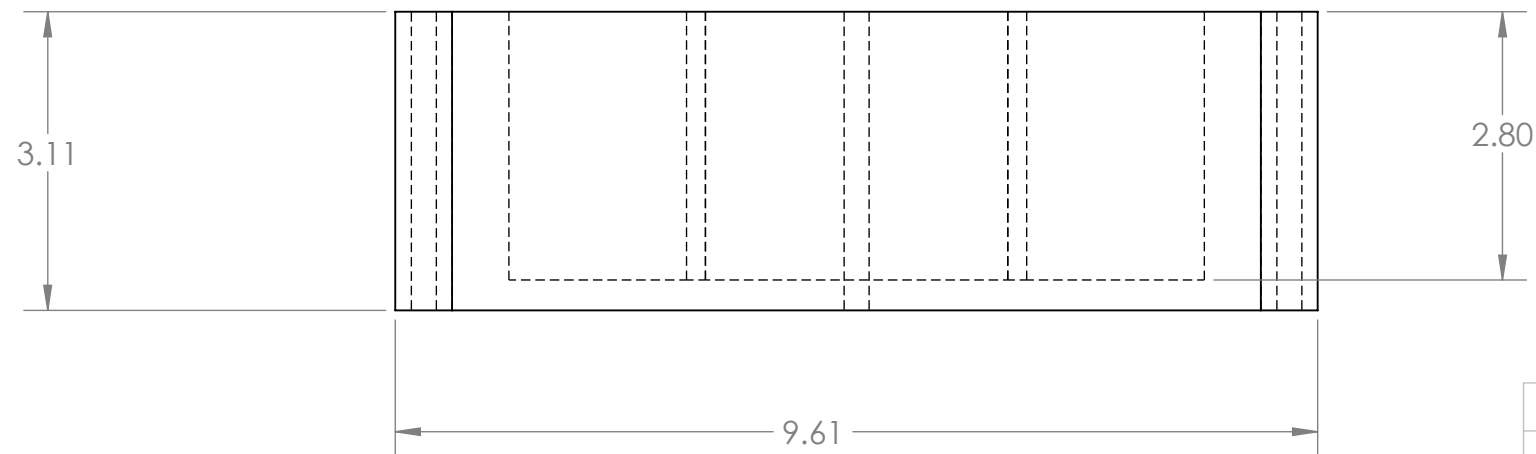
B

B



A

A



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Dumbell Bracket		
		DIMENSIONS ARE IN INCHES	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL \pm	ENG APPR.					
		ANGULAR: MACH \pm BEND \pm	MFG APPR.			SIZE B DWG. NO. Drone_Payload_dumbell_bracket_JAB_3_24_25 REV		
		TWO PLACE DECIMAL \pm	Q.A.					
		THREE PLACE DECIMAL \pm	COMMENTS:					
		INTERPRET GEOMETRIC TOLERANCING PER:	SCALE: 1:2 WEIGHT: SHEET 1 OF 1					
		MATERIAL						
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NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING					

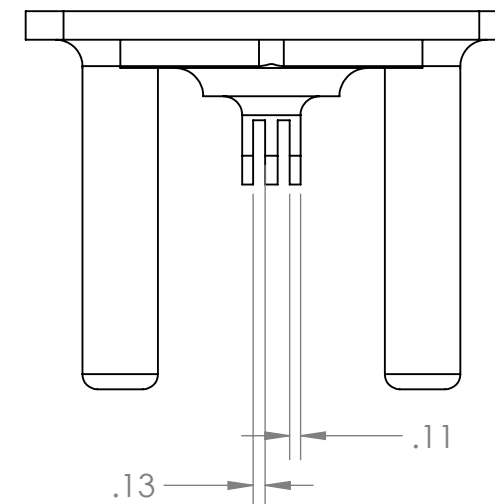
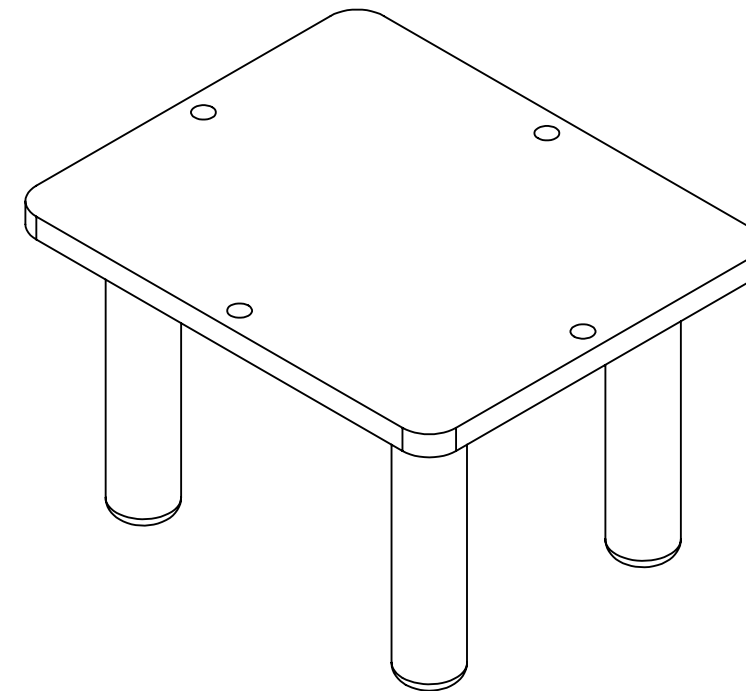
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3

2

1

1



SIZE B	DWG. NO. Drone_Payload_camera_bracket_JAB_3_22_25	REV
SCALE: 1:2	WEIGHT:	SHEET 1 OF 1

1