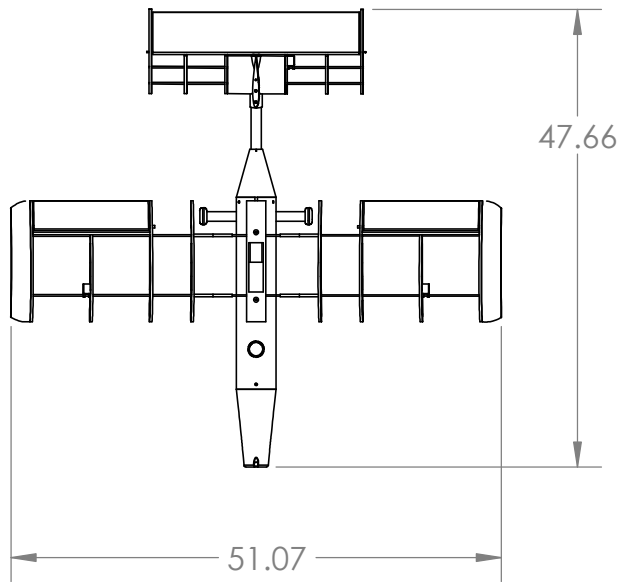


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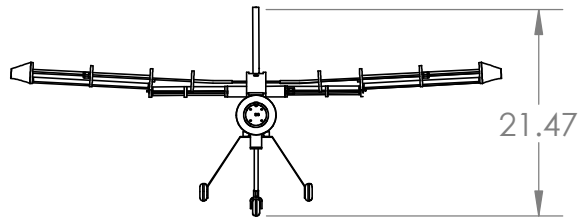
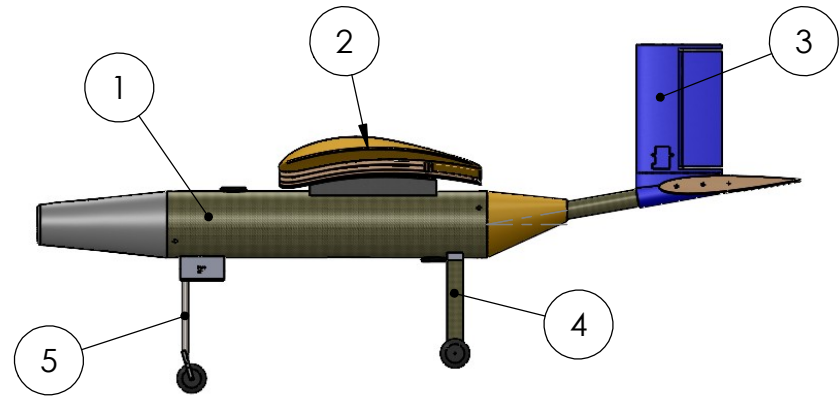
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B

B



ITEM NO.	PART NUMBER	QTY.
1	Fuselage Sub Assembly	1
2	Wing Sub Assembly	1
3	Tail Wing Sub Assembly	1
4	Main Gear	1
5	Nose Gear	1



A

A

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		UNLESS OTHERWISE SPECIFIED:	NAME	DATE	
		DIMENSIONS ARE IN INCHES	DRAWN	clh646	4/15/2026
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	Colored View Scale = 1:12		
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE: Final Assembly		
SIZE A	DWG. NO. AA	REV 5
SCALE: 1:20 WEIGHT:		SHEET 1 OF 37

2

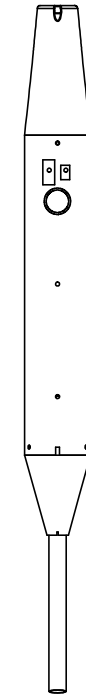
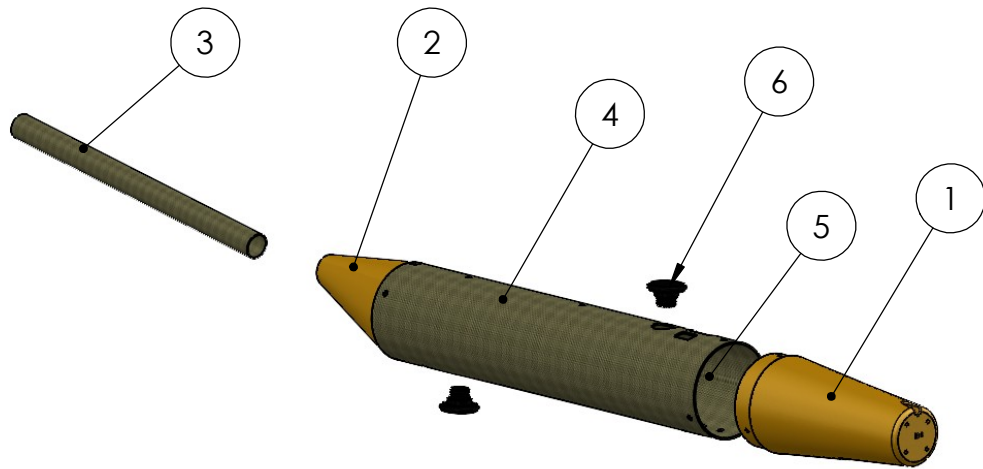
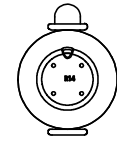
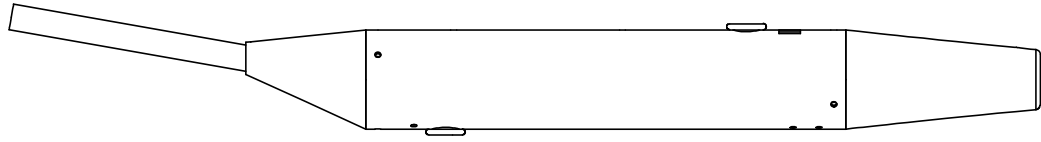
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2

1

B

B



Scale 1:12

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A1.1	Nose Cone	1
2	A1.2	Boom Connector	1
3	A1.3	Boom	1
4	A1.4	Fuselage	1
5	A1.5	Payload Container	1
6	A1.6	Bladder Bolts	2

A

A

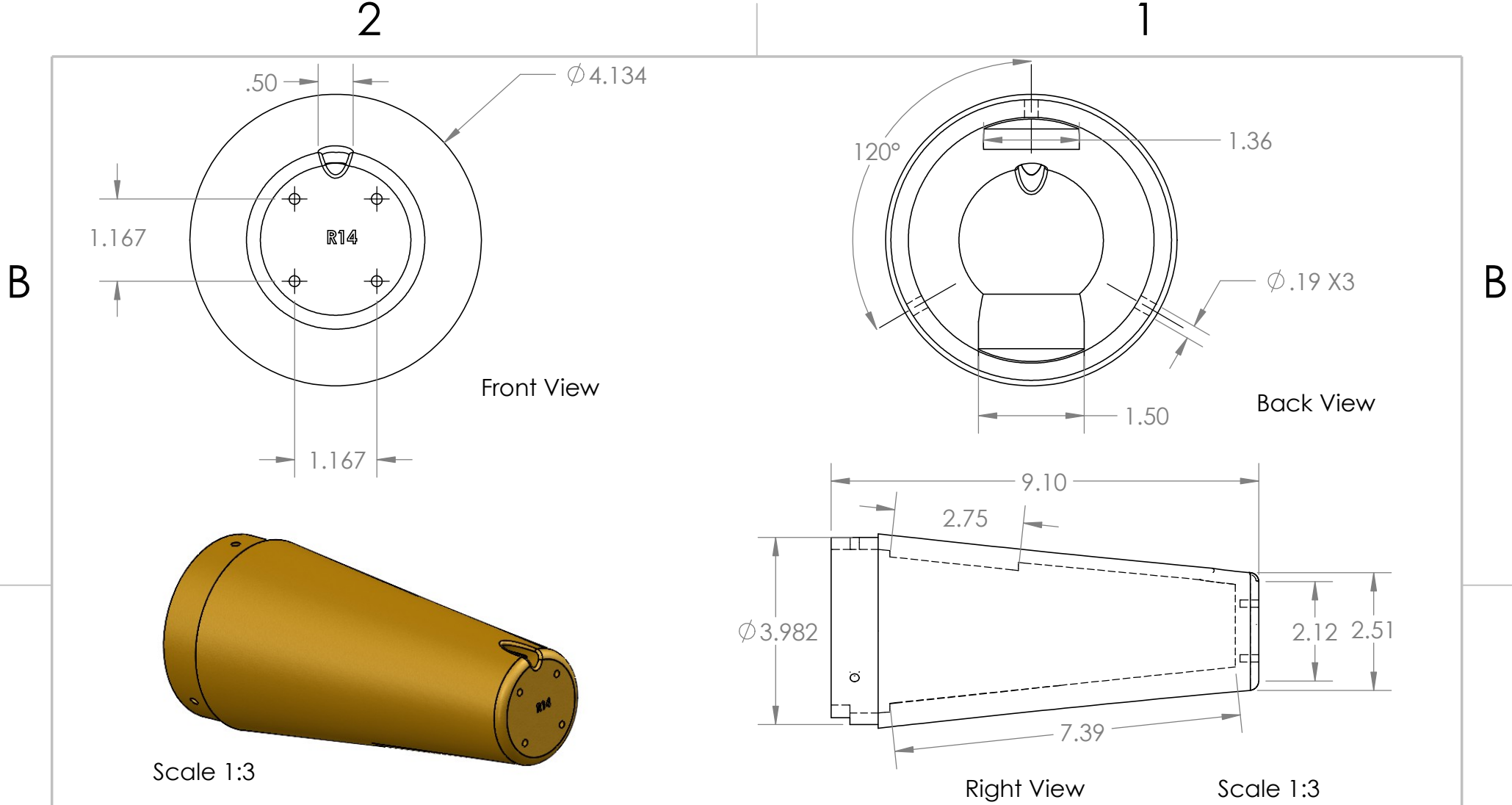
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	ccb398	4/7/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Varies			
		FINISH			
NEXT ASSY	USED ON				
	APPLICATION	DO NOT SCALE DRAWING			

TITLE:		
Fuselage Sub Assembly		
SIZE	DWG. NO.	REV
A	A1	3
SCALE: 1:8	WEIGHT:	SHEET 2 OF 37

2

1



Scale 1:3

Scale 1:3

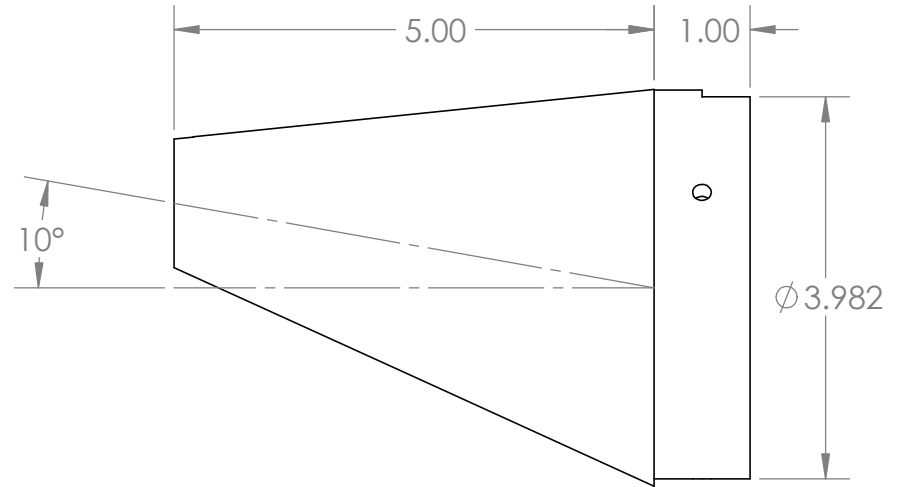
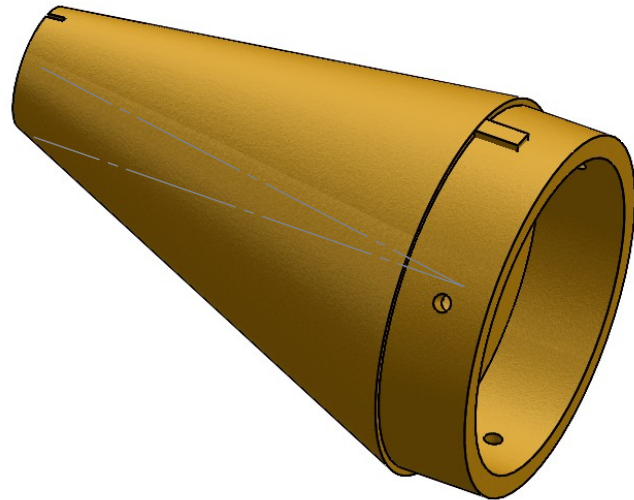
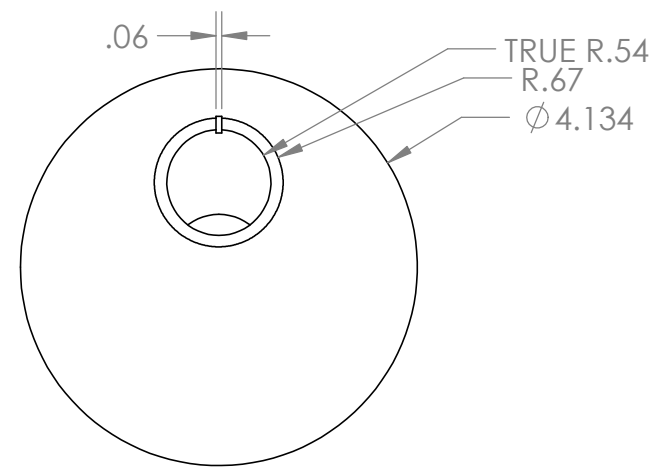
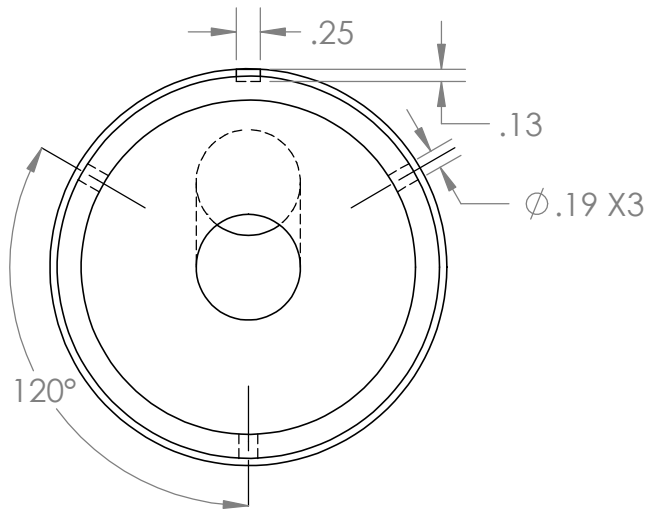
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		DIMENSIONS ARE IN INCHES	DRAWN	ccb398	4/7/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±.001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Nose Cone		
SIZE	DWG. NO.	REV
A	A1.1	14
SCALE: 1:2	WEIGHT:	SHEET 3 OF 37

2

1



B

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		DIMENSIONS ARE IN INCHES	DRAWN	ccb398	4/7/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±.001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Boom Adapter

SIZE	DWG. NO.	REV
A	A1.2	12
SCALE: 1:2	WEIGHT:	SHEET 4 of 37

2

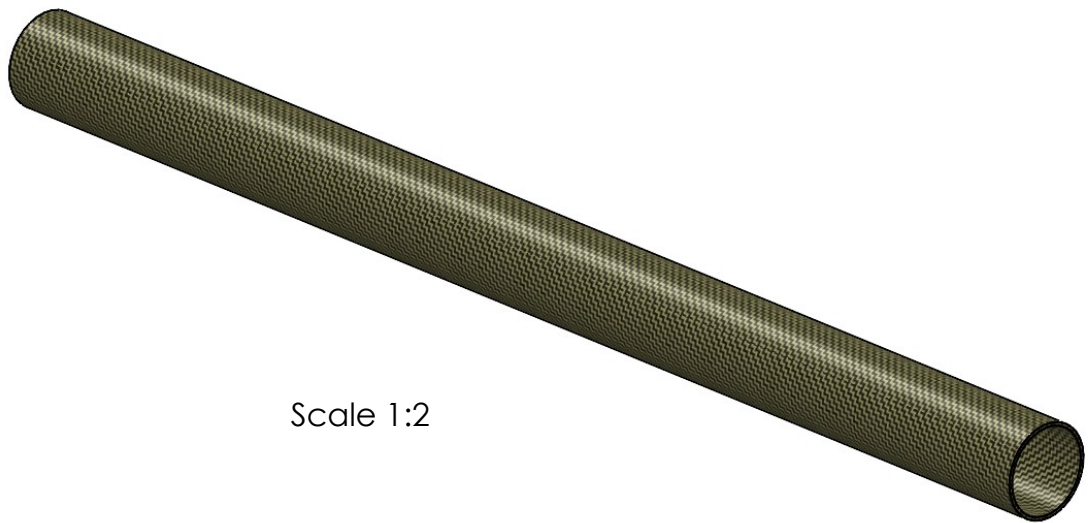
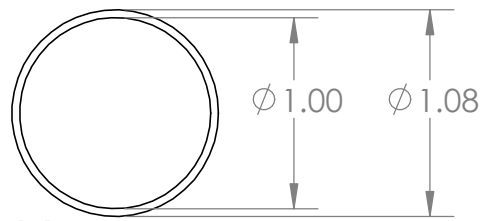
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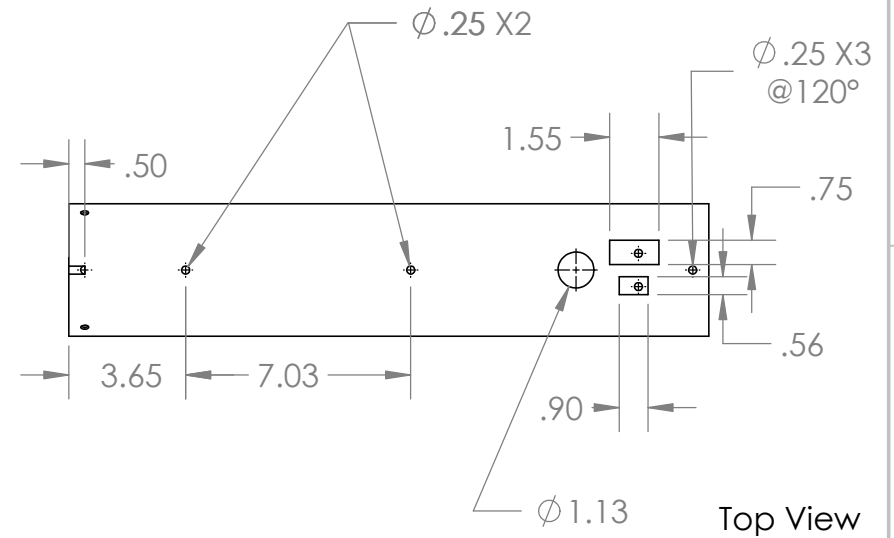
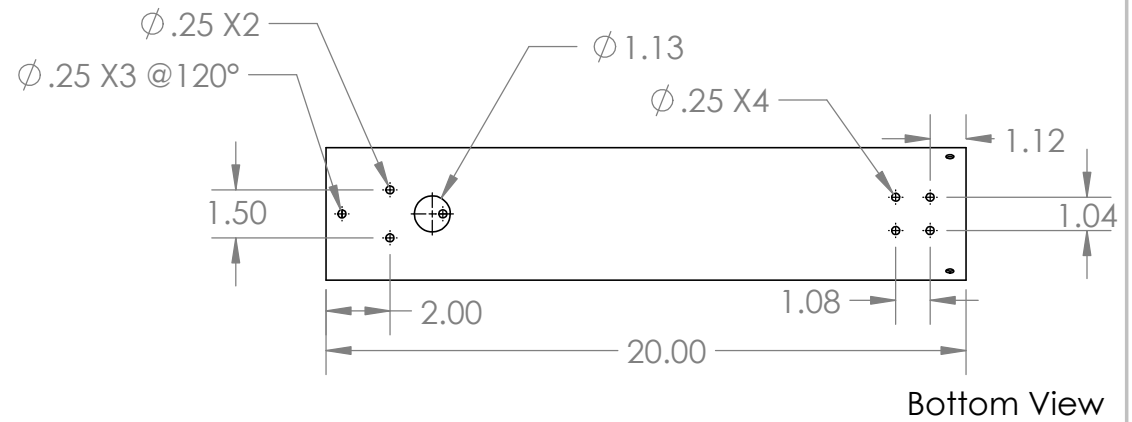
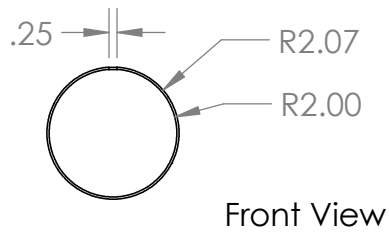
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		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Carbon Fiber			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION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

TITLE:		
Boom		
SIZE	DWG. NO.	REV
A	A1.3	1
SCALE: N/A WEIGHT:		SHEET 5 OF 37

2

1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Fuselage	
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		DRAWN	ccb398		
		INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED		SIZE DWG. NO. REV A A1.4 2	
		MATERIAL Carbon Fiber		ENG APPR.			
		FINISH		MFG APPR.		SCALE: 1:6 WEIGHT: SHEET 6 OF 37	
		NEXT ASSY USED ON		Q.A.			
APPLICATION		DO NOT SCALE DRAWING		COMMENTS:			

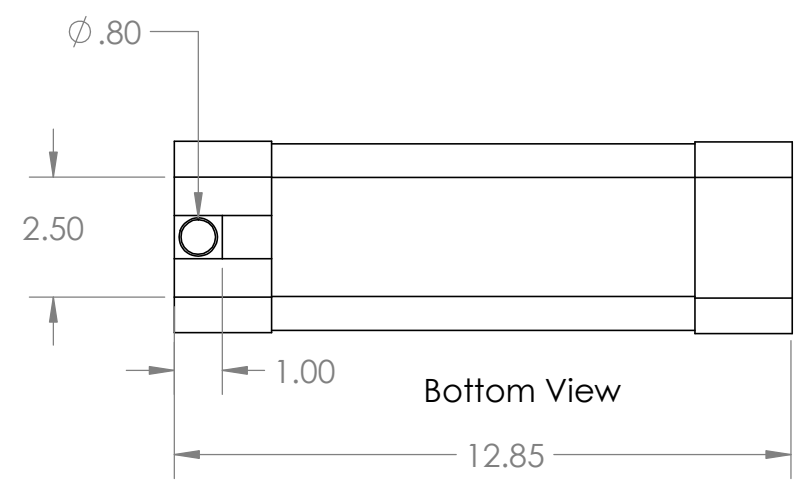
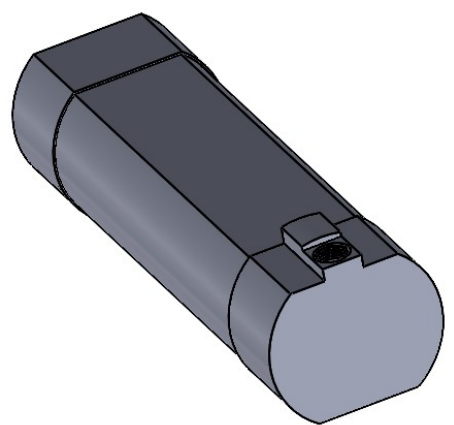
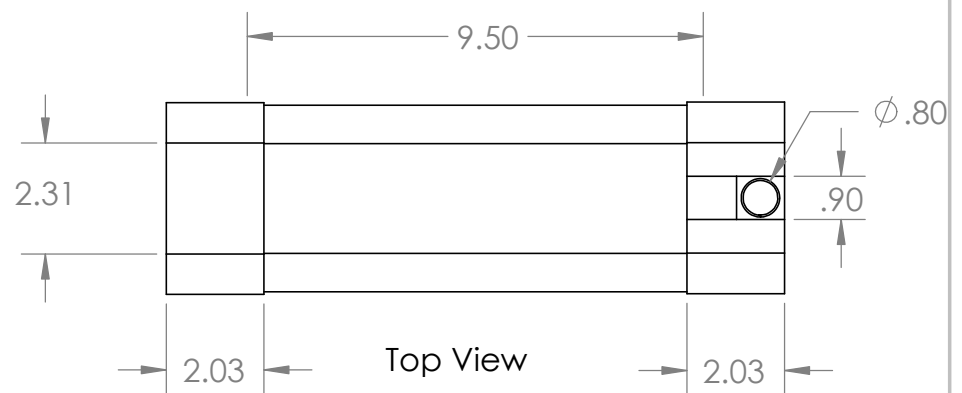
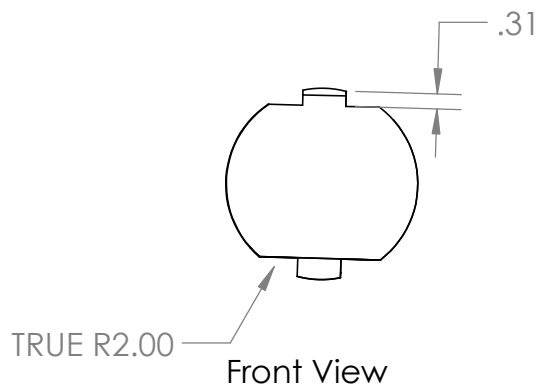
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2

1

2

1



B

B

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A

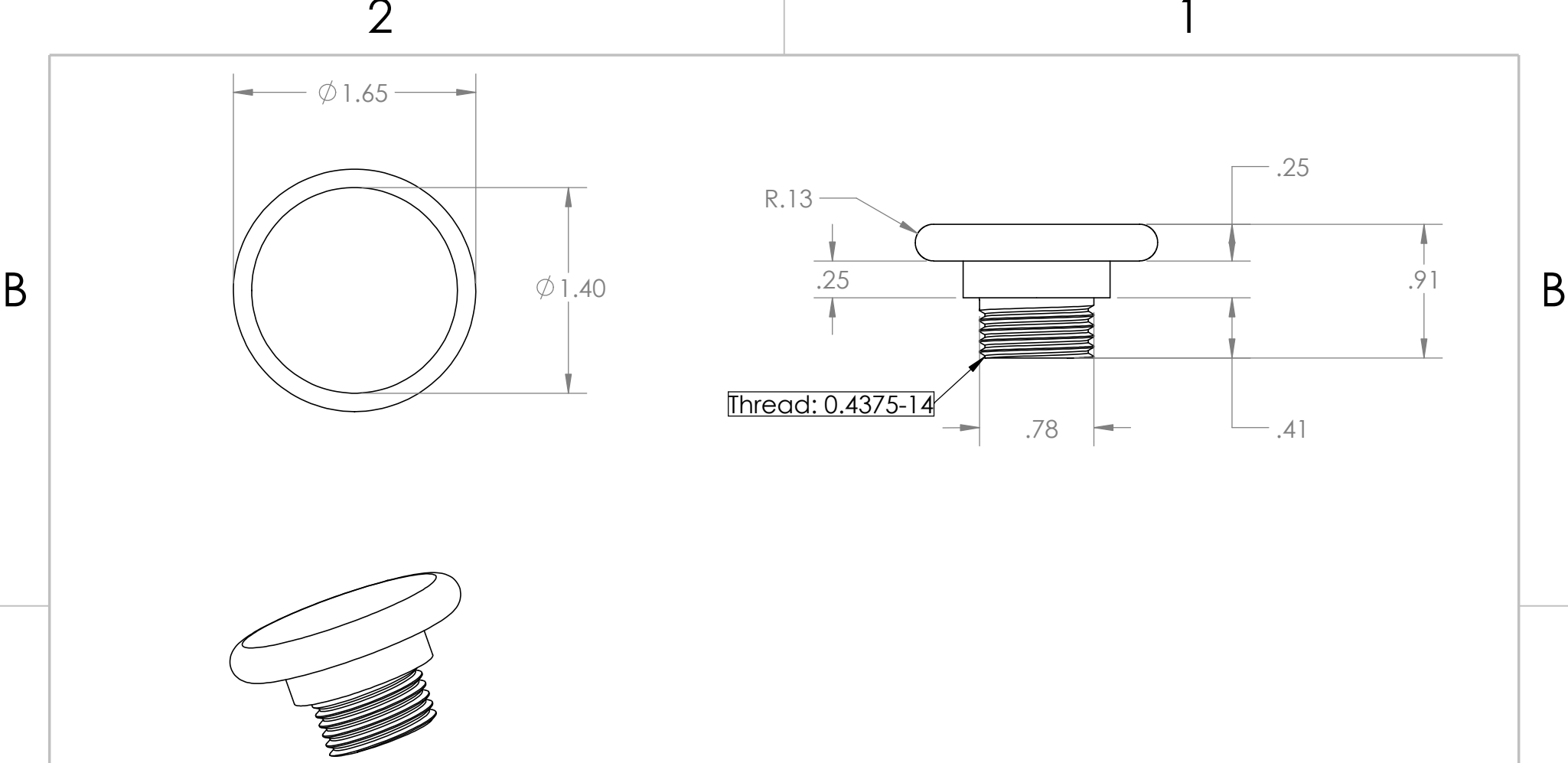
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		DIMENSIONS ARE IN INCHES	DRAWN	ccb398	4/7/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±0.001	COMMENTS:	Both 0.8" ID holes threaded at .4375-14	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL	PLA		
		FINISH			
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING		

TITLE:		
Payload Container		
SIZE	DWG. NO.	REV
A	A1.5	1
SCALE: 1:4	WEIGHT:	SHEET 7 OF 37

2

1



A

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
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		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±0.001	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Bladder Bolts		
SIZE	DWG. NO.	REV
A	A1.6	3
SCALE: 1:1	WEIGHT:	SHEET 8 OF 37

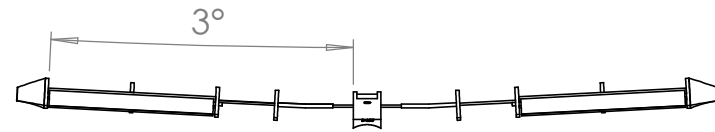
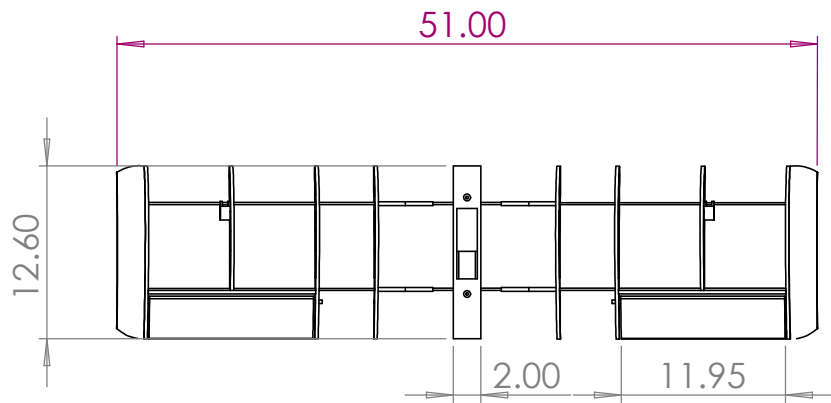
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2

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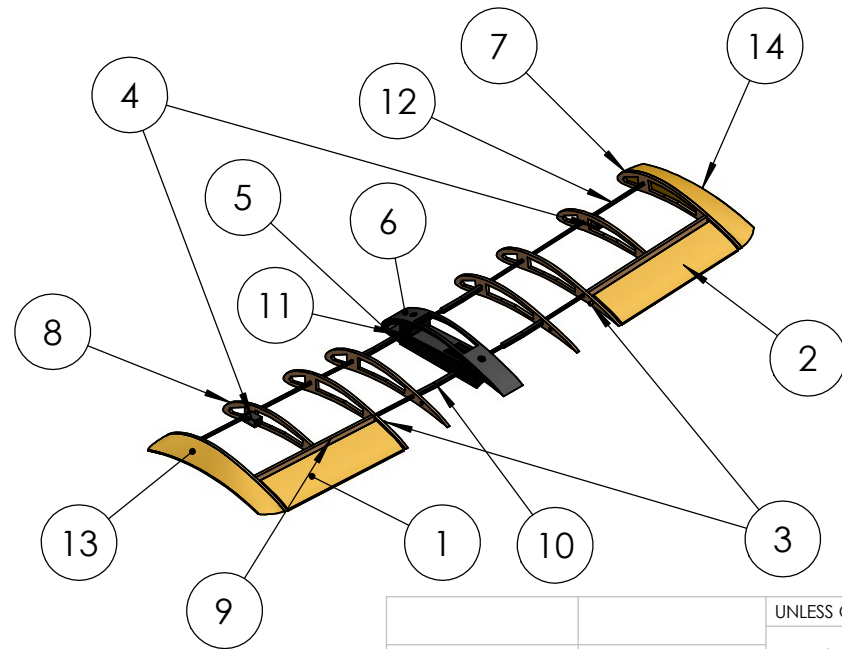
2

1



B

B



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A2.1a	Driver Side Aileron	1
2	A2.1b	Passenger Side Aileron	1
3	A2.1c	Aileron Dowels	4
4	A2.2	Servo Mount	2
5	A2.3	Wing Mount	1
6	A2.4	Mounting Foil	1
7	A2.5a	Airfoils	6
8	A2.5b	Cut Airfoils	2
9	A2.6	Wrap Aid	2
10	A2.7	Spar Coupler	4
11	A2.8a	Spar Center	2
12	A2.8b	Spar Ends	4
13	A2.9a	Driver Side End Cap	1
14	A2.9b	Passenger Side End Cap	1

A

A

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		TOLERANCES:		4/7/26
		FRACTIONAL ±	CHECKED	
		ANGULAR: MACH ± BEND ±	ENG APPR.	
		TWO PLACE DECIMAL ±	MFG APPR.	
		THREE PLACE DECIMAL ±	Q.A.	
		INTERPRET GEOMETRIC TOLERANCING PER:	COMMENTS:	
		MATERIAL		
NEXT ASSY	USED ON	FINISH		
APPLICATION		DO NOT SCALE DRAWING		

TITLE:
Main Wing Sub Assembly

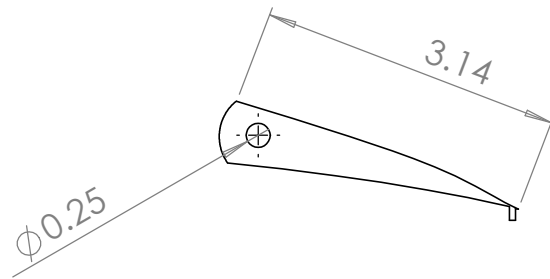
SIZE	DWG. NO.	REV
A	A2	4
SCALE 1:14	WEIGHT:	SHEET 9 OF 37

2

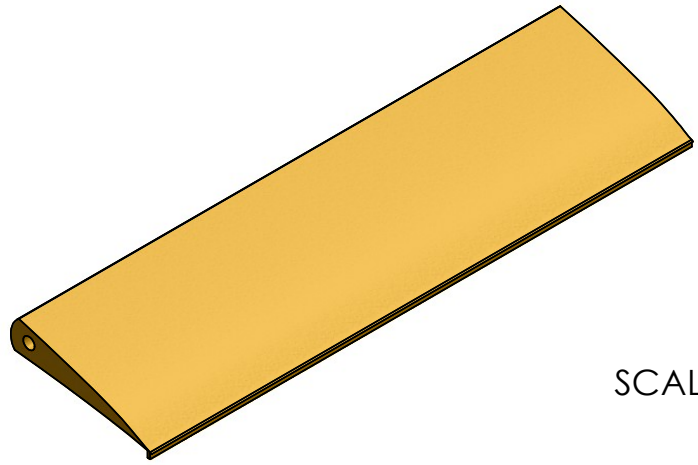
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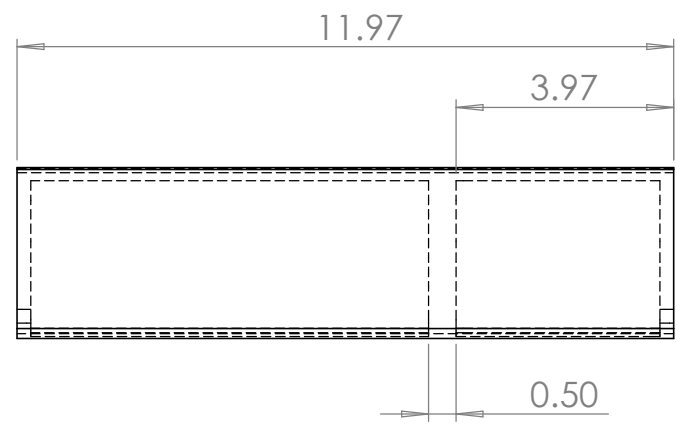
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SCALE: 1:2



SCALE: 1:3



SCALE: 1:3.5

A

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		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Driver Side Aileron		
SIZE	DWG. NO.	REV
A	A2.1a	3
SCALE	WEIGHT:	SHEET 10 OF 37

2

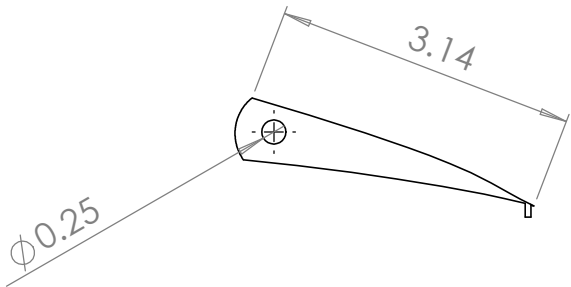
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2

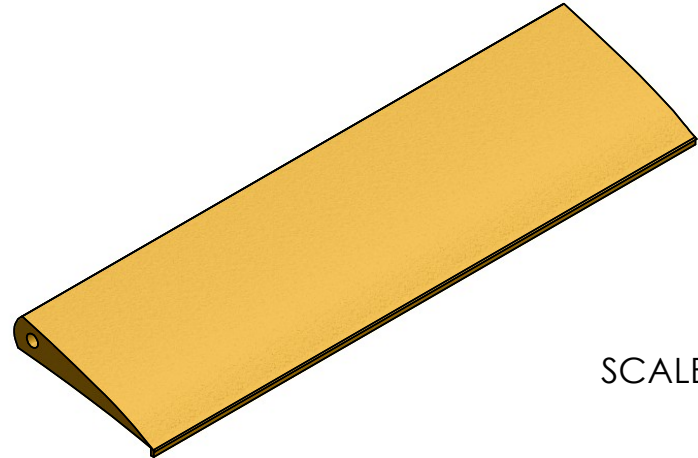
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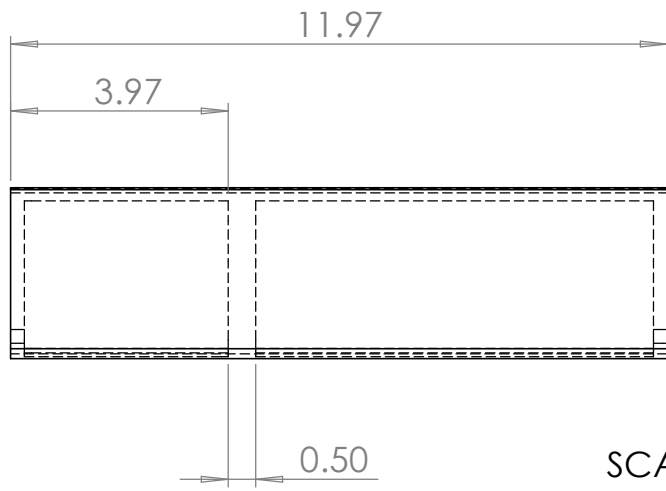
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SCALE: 1:2



SCALE: 1:3



SCALE: 1:3.5

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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/7/26
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		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:
Passenger Side Airfoil

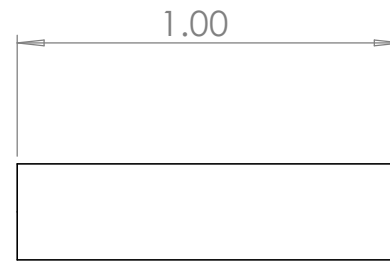
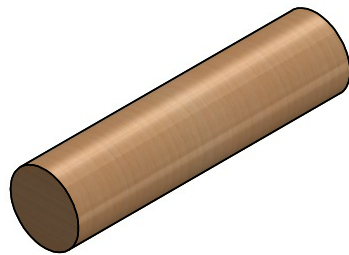
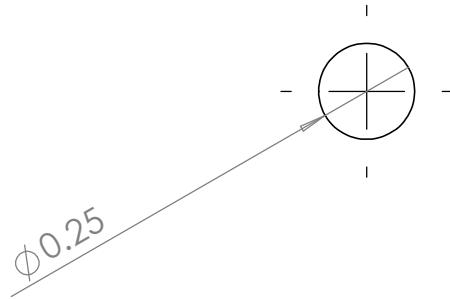
SIZE	DWG. NO.	REV
A	A2.1b	3
SCALE	WEIGHT:	SHEET 11 OF 37

2

1

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/7/26
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		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Aileron Dowles

SIZE	DWG. NO.	REV
A	2.1c	1
SCALE: 2:1	WEIGHT:	SHEET 12 OF 37

2

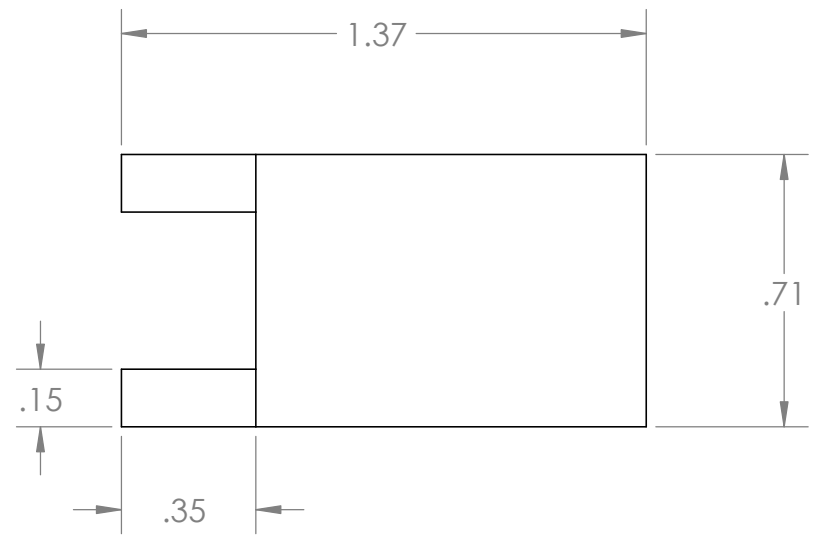
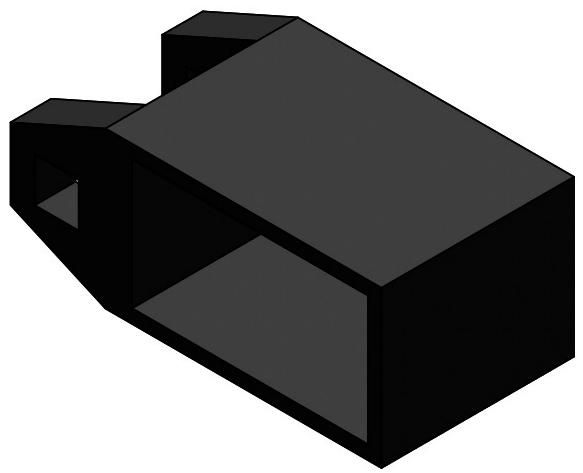
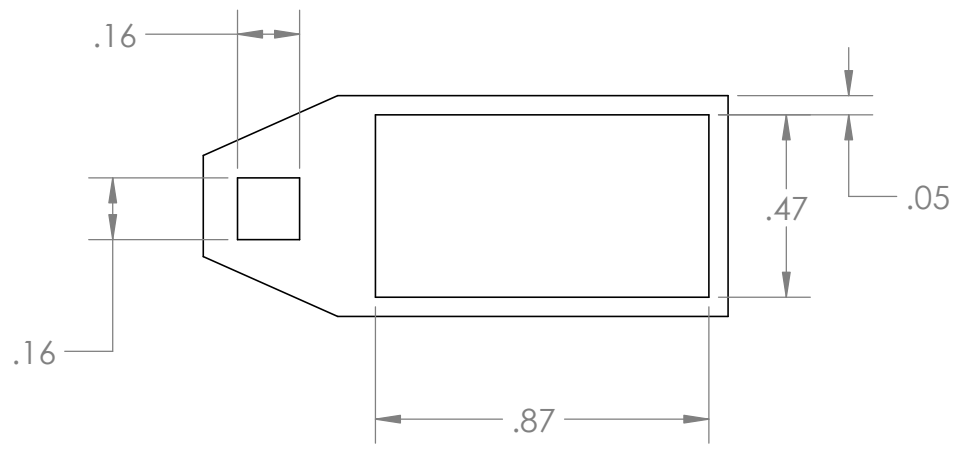
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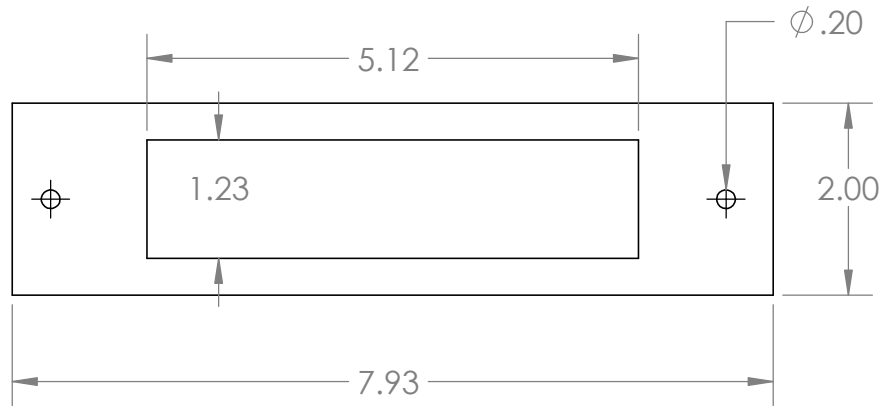
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Servo Mount		
SIZE	DWG. NO.	REV
A	A2.2	6
SCALE: 2:1	WEIGHT:	SHEET 13 OF 37

2

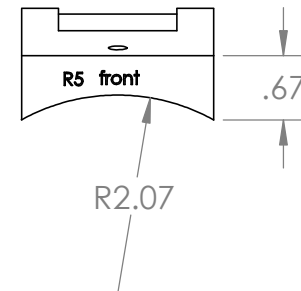
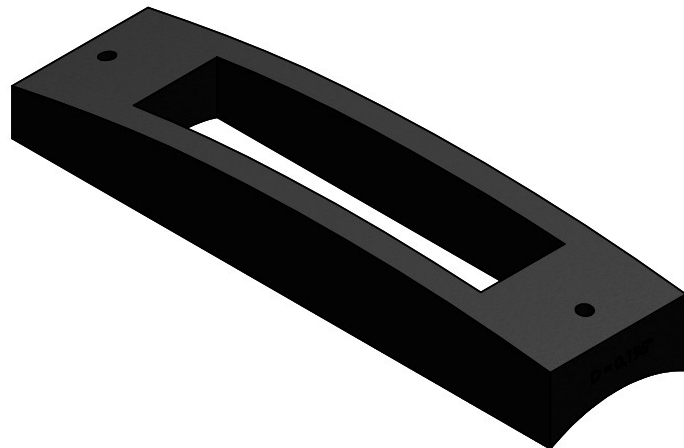
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Wing Mount		
SIZE	DWG. NO.	REV
A	A2.3	5
SCALE: 1:2	WEIGHT:	SHEET 14 OF 37

2

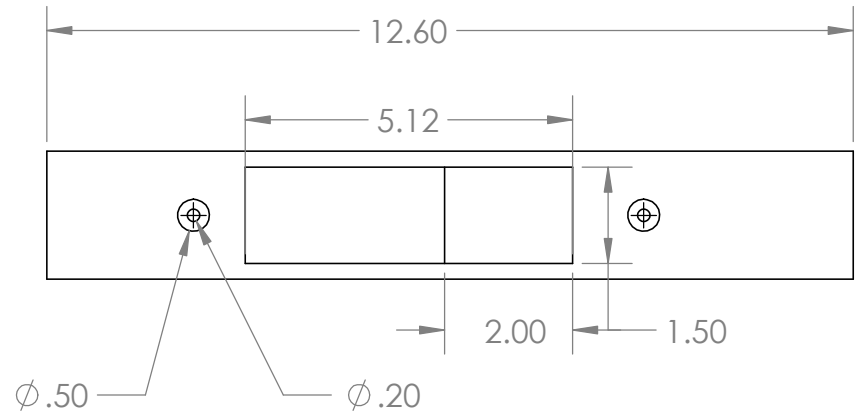
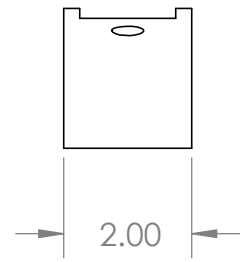
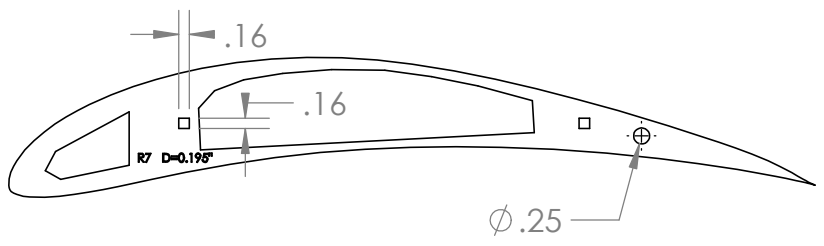
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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
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		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:	E423 AIRFOIL	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Mounting Airfoil

SIZE	DWG. NO.	REV
A	A2.4	7
SCALE: 1:3	WEIGHT:	SHEET 15 OF 37

2

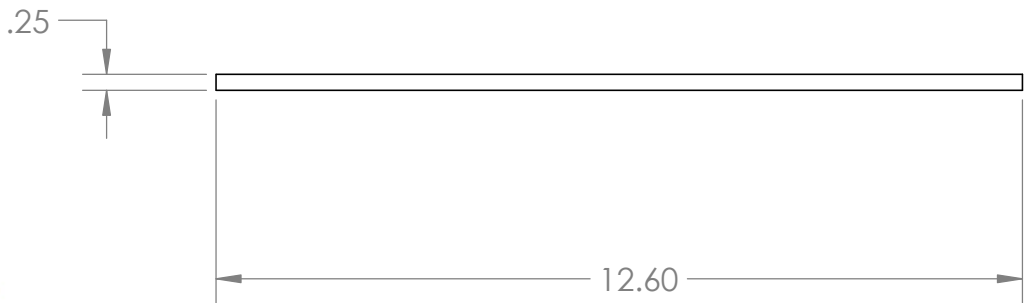
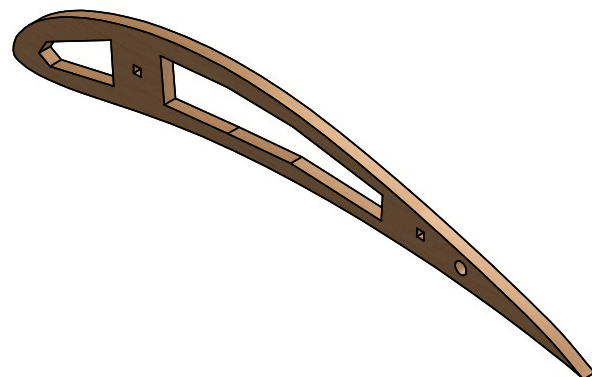
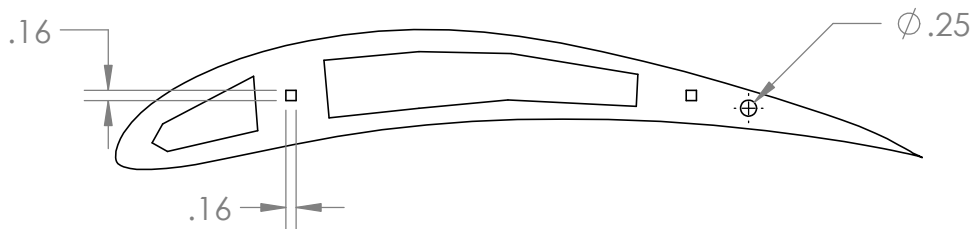
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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:	E423 AIRFOIL	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

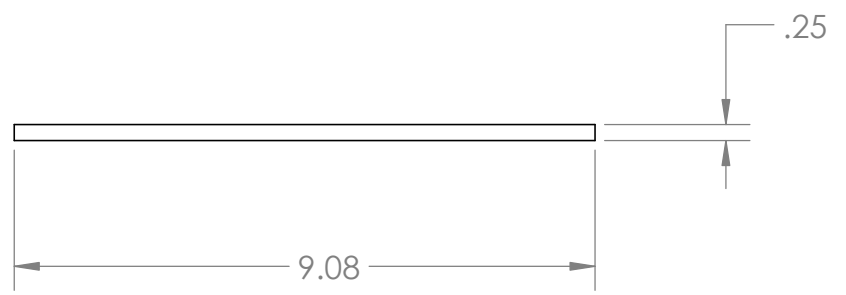
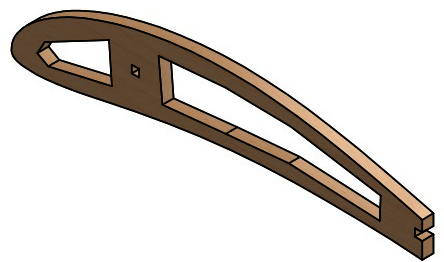
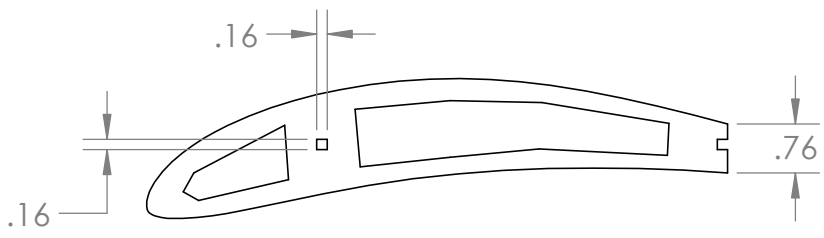
TITLE:		
Main Wing Airfoils		
SIZE	DWG. NO.	REV
A	A2.5a	3
SCALE: 1:3	WEIGHT:	SHEET 16 OF 37

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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:	E423 AIRFOIL	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Main Wing Cut Airfoil

SIZE	DWG. NO.	REV
A	A2.5b	4
SCALE: 3	WEIGHT:	SHEET 17 OF 37

2

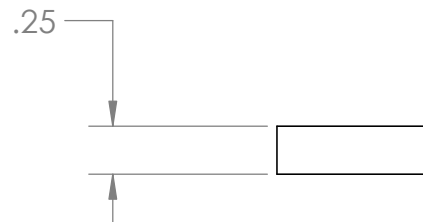
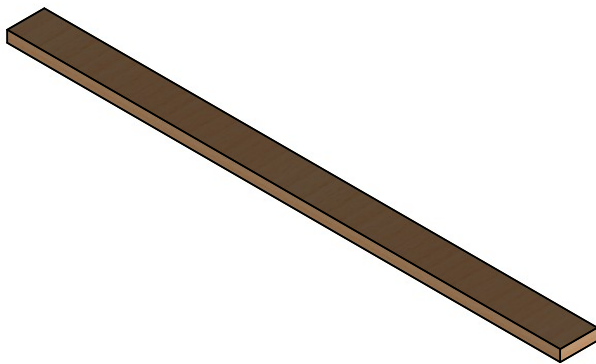
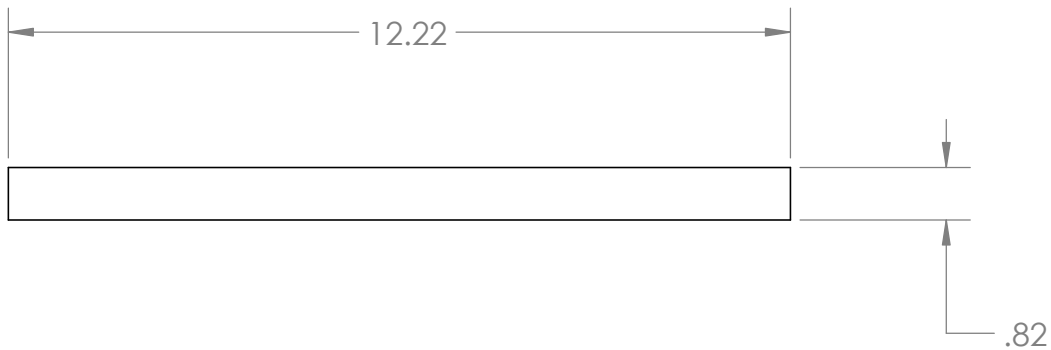
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SCALE: 1:1

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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:	LASER CUT FROM SANDE WOOD	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

Wrap Aid

SIZE

A

DWG. NO.

A2.6

REV

2

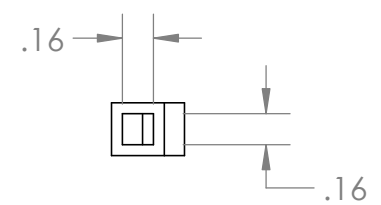
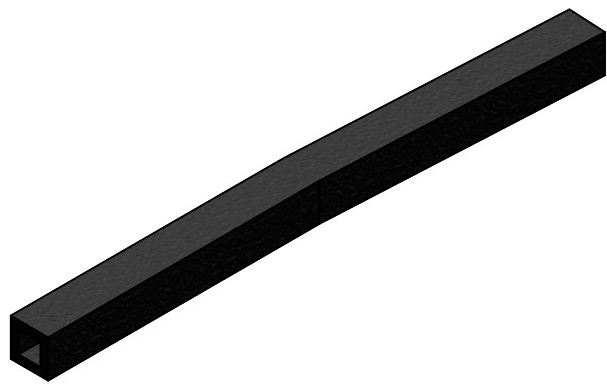
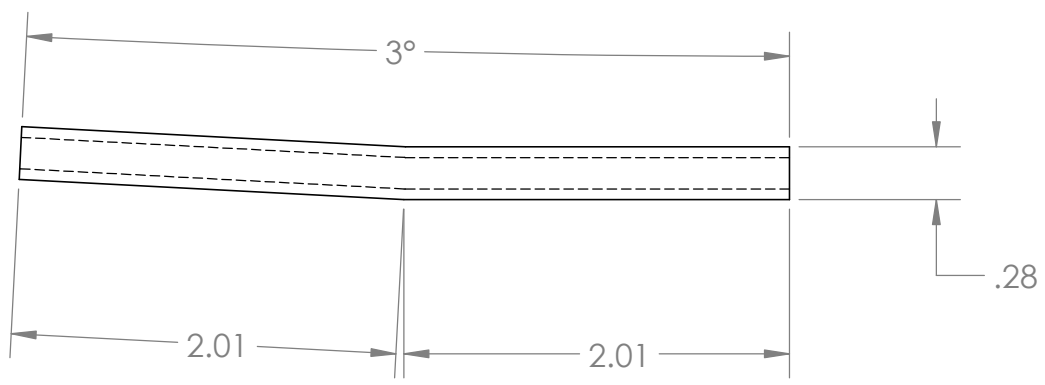
SCALE: 1:3

WEIGHT:

SHEET 18 OF 37

2

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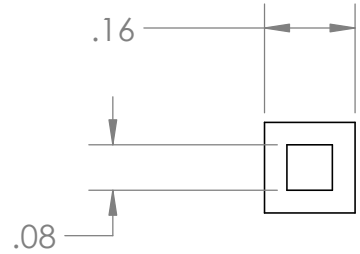
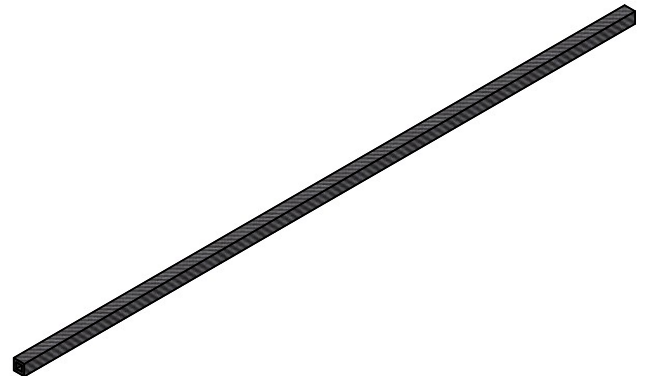
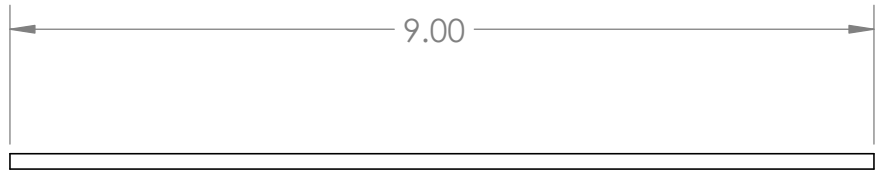
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:	3D PRINTED OUT OF PLA	
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
3° Spar Coupler

SIZE	DWG. NO.	REV
A	A2.7	2
SCALE: 1:1	WEIGHT:	SHEET 19 OF 37

2

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SCALE: 3:1

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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS: CUT WITH CHOP SAW FROM LARGER CARBON FIBER PIECE		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

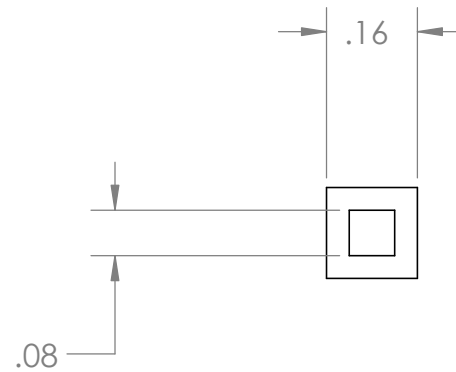
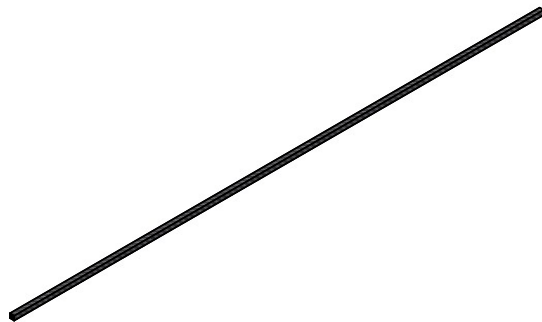
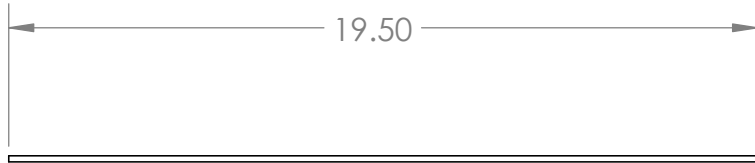
TITLE:		
<h1>9-inch Spar</h1>		
SIZE	DWG. NO.	REV
A	A2.8a	1
SCALE: 1:2	WEIGHT:	SHEET 20 OF 37

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SCALE: 3:1

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		DIMENSIONS ARE IN INCHES	DRAWN	REC	4/8/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	CUT WITH CHOP SAW FROM LARGER PIECE OF CARBON FIBER		
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
19.5-inch Spar		
SIZE	DWG. NO.	REV
A	A2.8b	1
SCALE: 1:8	WEIGHT:	SHEET 21 OF 37

2

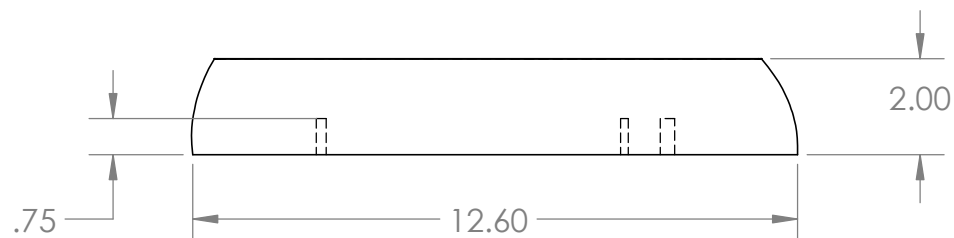
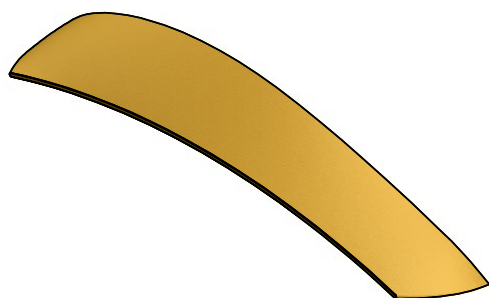
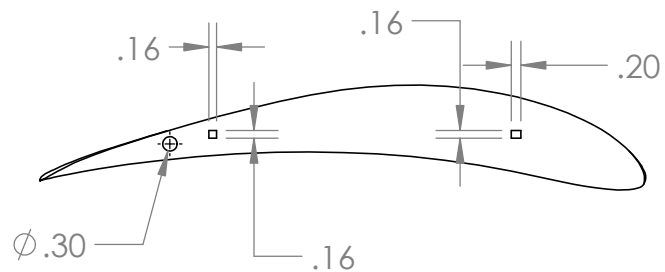
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		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	PRINTED FROM PLA AT A LOW INFILL		
		MATERIAL	HORNOR-LIKE ENDCAPS		
		FINISH	HOLES UNSYMETRICAL FOR TIGHT FIT ON SPAR		
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Driver Side End Cap

SIZE **A** DWG. NO. **A2.9a** REV **2**

SCALE: 1:4 WEIGHT: SHEET 22 OF 37

2

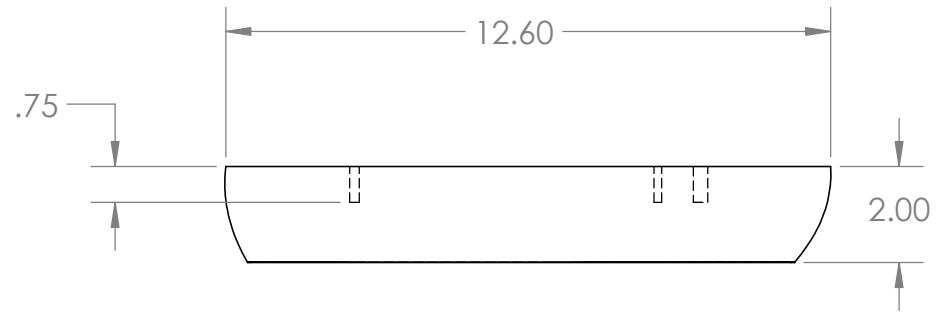
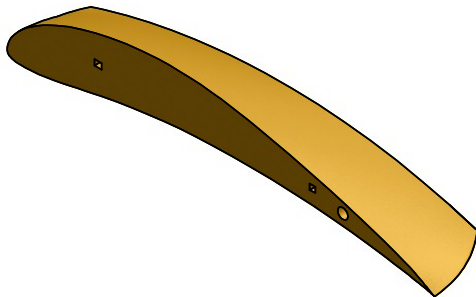
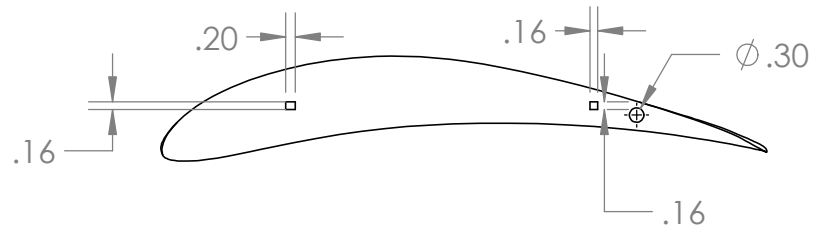
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		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:	PRINTED FROM PLA AT LOW INFILL		
		MATERIAL	HORNER LIKE ENDCAP		
		FINISH	SPAR HOLES UNSYMETRICAL TO HELP WITH FIT		
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Passenger Side End Cap

SIZE	DWG. NO.	REV
A	A2.9b	1
SCALE: 1:4	WEIGHT:	SHEET 23 OF 37

2

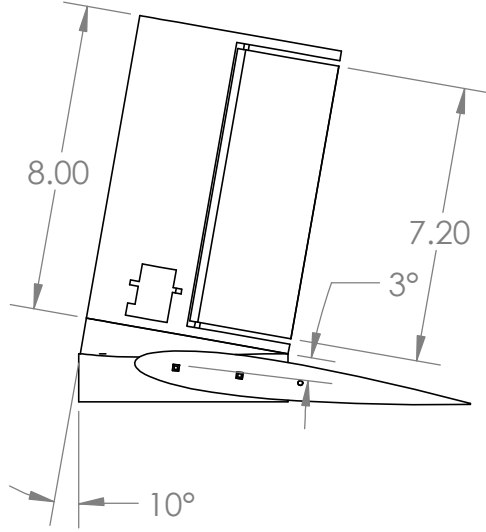
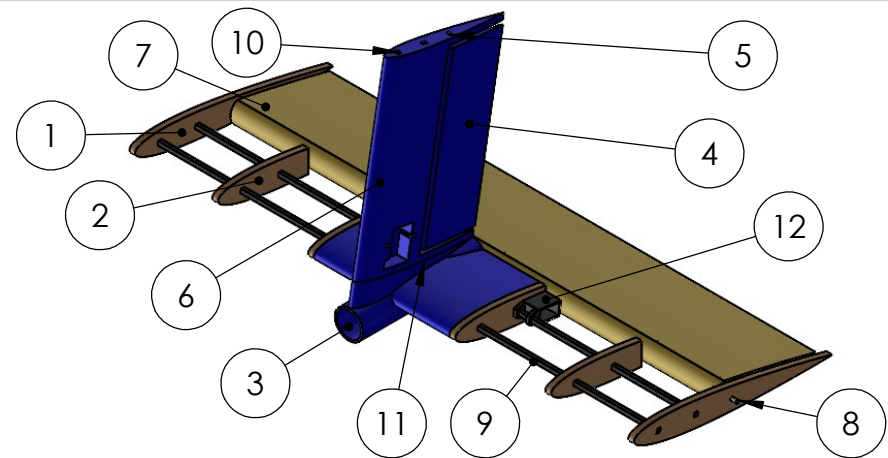
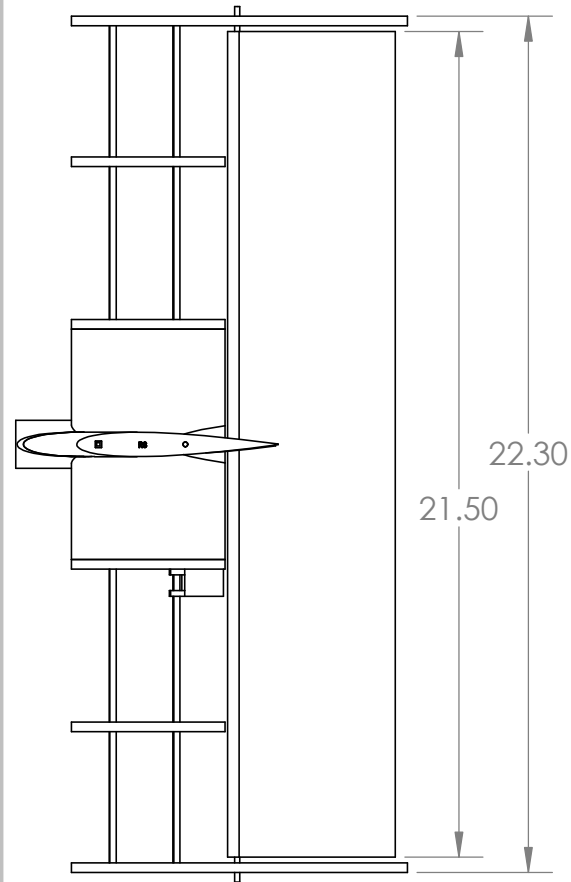
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A3.1a	Tail Wing Foil Full	2
2	A3.1b	Tail Wing Foil Cut	4
3	A3.2	Tail Wing Adapter	1
4	A3.3a	Rudder	1
5	A3.3b	Rudder Rod	2
6	A3.4	Vertical Tail	1
7	A3.5a	Elevator	1
8	A3.5b	Elevator Rod	2
9	A3.6a	Horizontal Tail Spar	4
10	A3.6b	Front Vertical Tail Spar	1
11	A3.6c	Rear Vertical Tail Spar	1
12	A3.7	Servo Mount	1

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		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler
		TOLERANCES:	CHECKED	4/9/26
		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: **Tail-Wing Assembly**

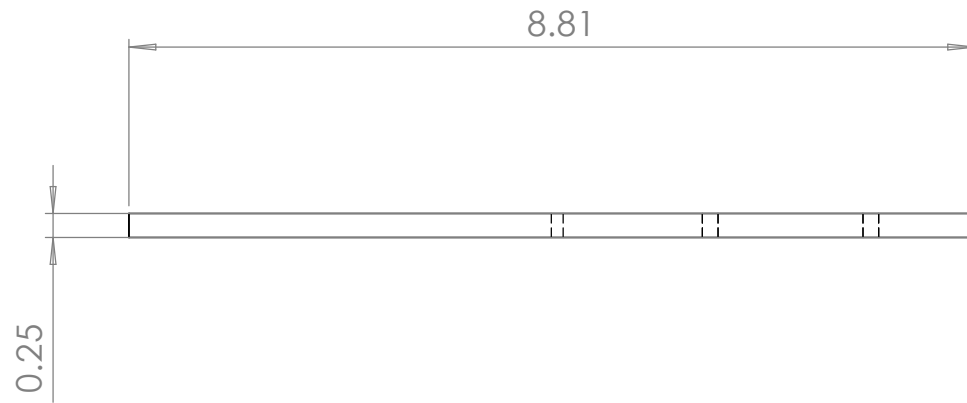
SIZE **A** DWG. NO. **A3** REV

SCALE: 1:5 WEIGHT: SHEET 24 OF 37

2

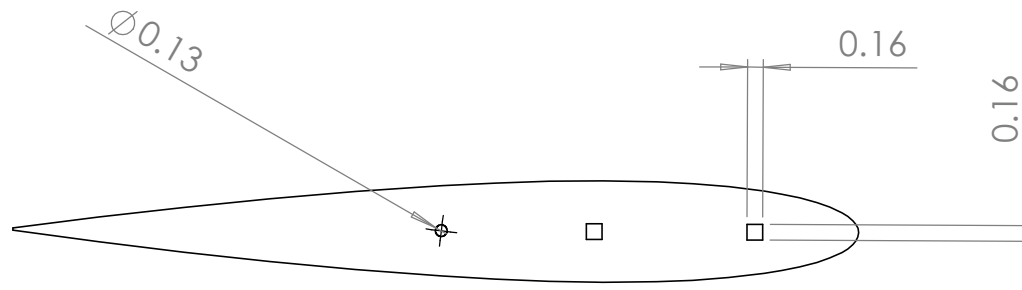
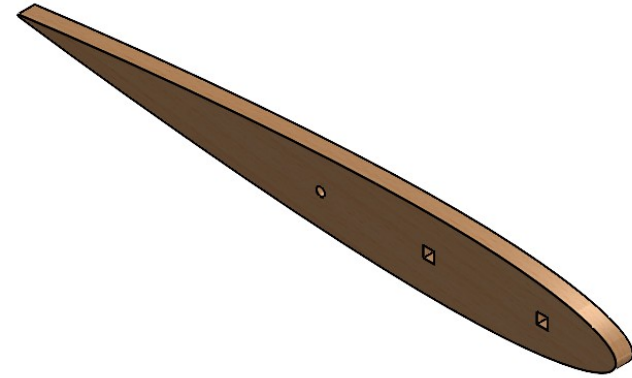
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Tail-Wing Foil		
		DIMENSIONS ARE IN INCHES		DRAWN	Luke Chandler			4/9/26
		TOLERANCES:		CHECKED				
		FRACTIONAL ±		ENG APPR.				
		ANGULAR: MACH ± BEND ±		MFG APPR.				
		TWO PLACE DECIMAL ±		Q.A.				
		THREE PLACE DECIMAL ±		COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	DWG. NO.	REV
		MATERIAL				A	A3.1a	
		FINISH				SCALE: 1:2		WEIGHT:
NEXT ASSY	USED ON	DO NOT SCALE DRAWING				SHEET 25 OF 37		
APPLICATION								

A

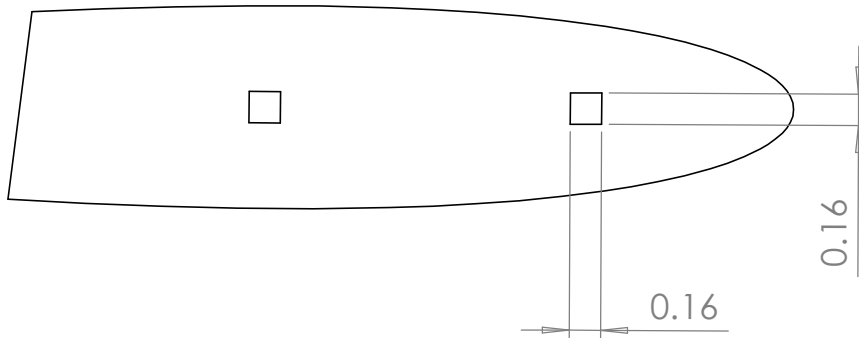
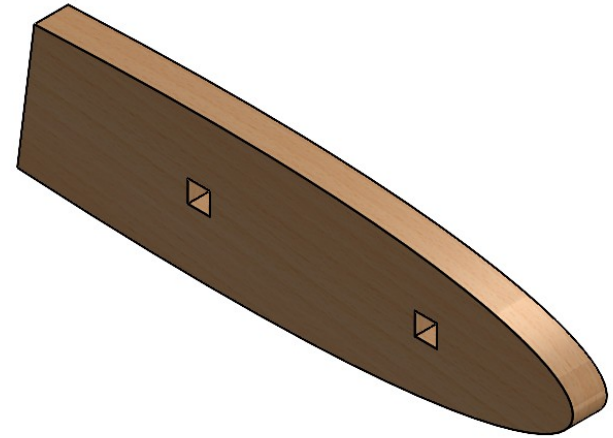
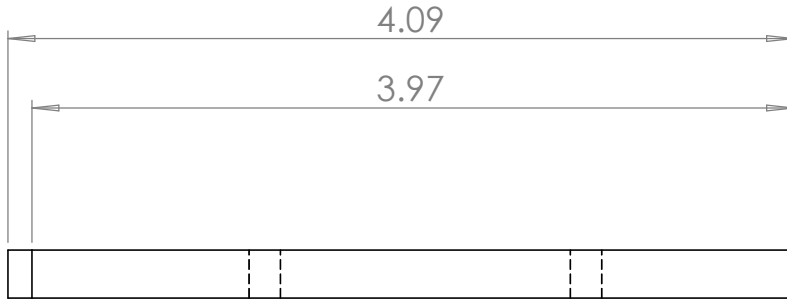
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		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Balsa Wood			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Tail-Wing Foil Cut

SIZE DWG. NO. REV
A **A3.1b**

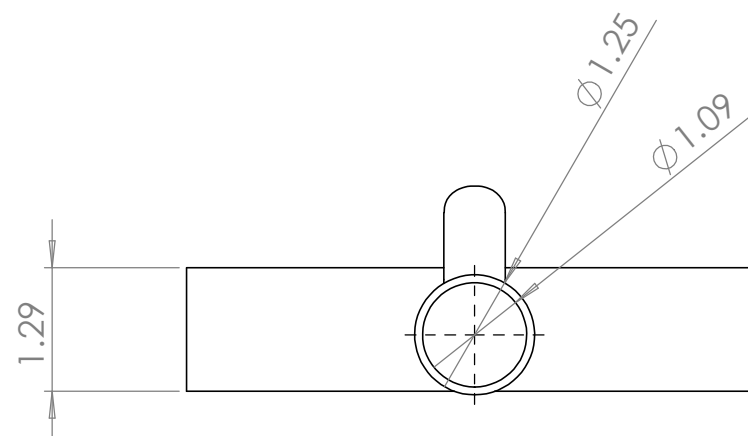
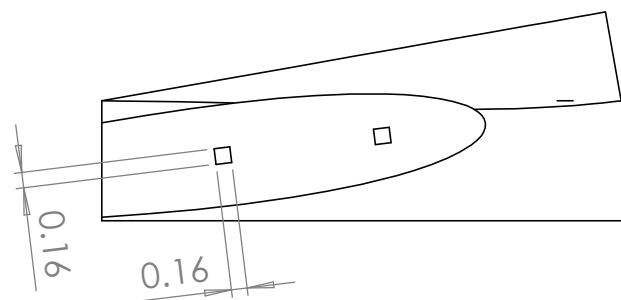
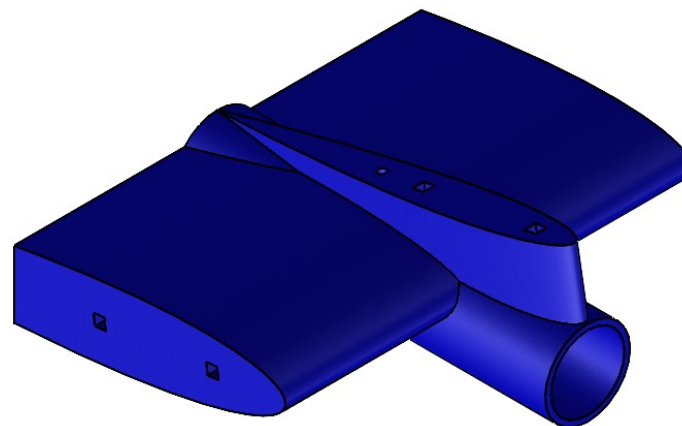
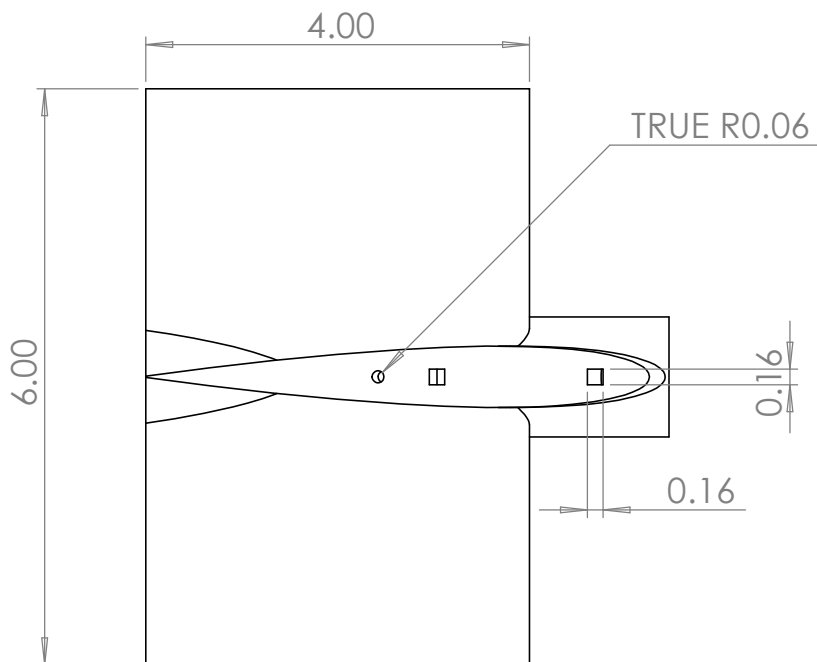
SCALE: 1:1 WEIGHT: SHEET 26 OF 37

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Tail-Wing Adapter				
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26			SIZE	DWG. NO.	REV
		TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	CHECKED					A	A3.2	
		INTERPRET GEOMETRIC TOLERANCING PER:	ENG APPR.					SCALE: 1:2		WEIGHT:
		MATERIAL PLA	MFG APPR.					SHEET 27 OF 37		
		FINISH	Q.A.							
NEXT ASSY	USED ON		COMMENTS:							
APPLICATION		DO NOT SCALE DRAWING								

2

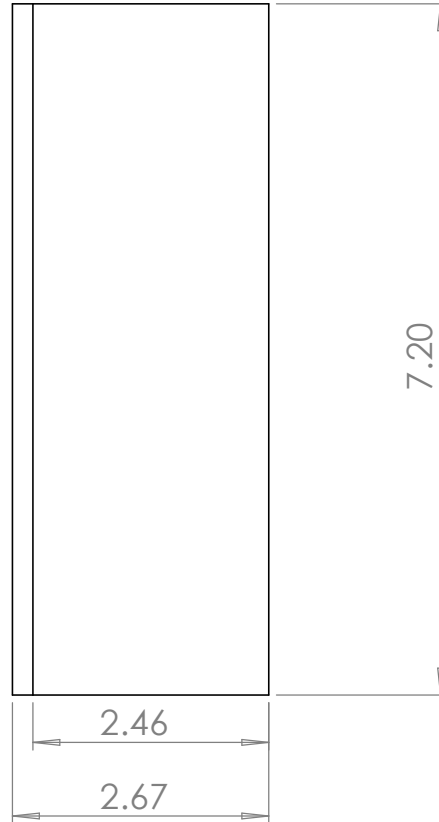
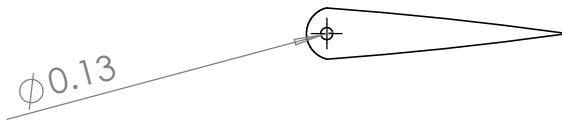
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <h1>Rudder</h1>					
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26			SIZE DWG. NO. REV A A3.3a			
		TOLERANCES: FRACTIONAL \pm	CHECKED							SCALE: 1:2 WEIGHT: SHEET 28 OF 37	
		ANGULAR: MACH \pm BEND \pm	ENG APPR.								
		TWO PLACE DECIMAL \pm	MFG APPR.								
		THREE PLACE DECIMAL \pm	Q.A.			COMMENTS: NACA 0012 Foil					
		INTERPRET GEOMETRIC TOLERANCING PER:									
		MATERIAL PLA									
		FINISH									
	NEXT ASSY	USED ON									
	APPLICATION		DO NOT SCALE DRAWING								

2

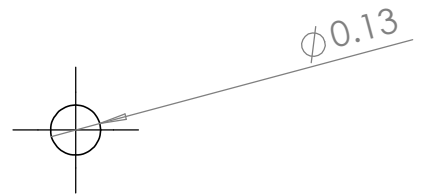
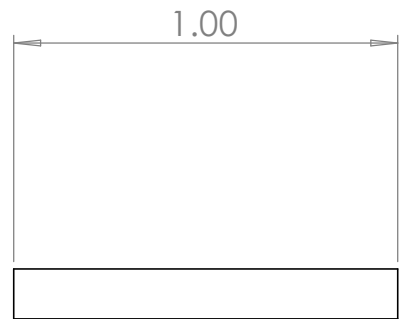
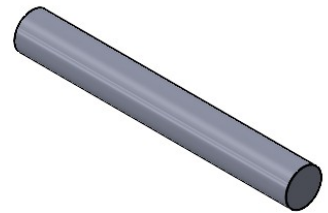
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Rudder Rod		
SIZE	DWG. NO.	REV
A	A3.3b	
SCALE: 2:1	WEIGHT:	SHEET 29 OF 37

2

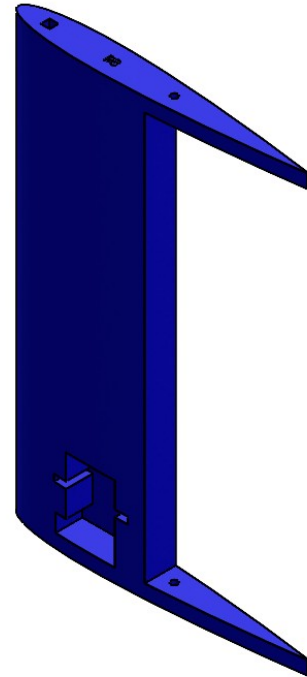
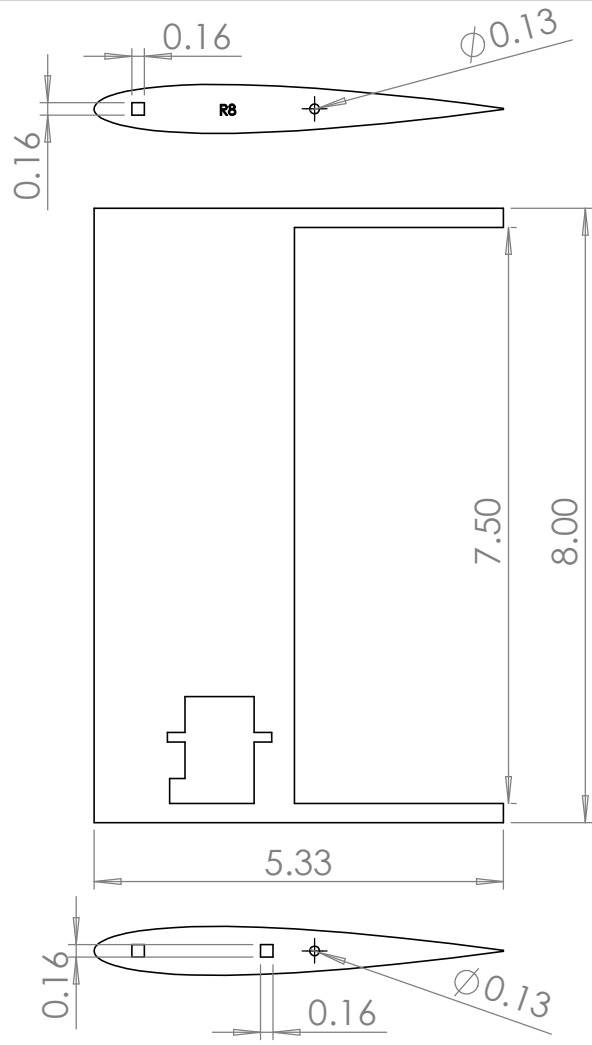
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Vertical Tail		
SIZE	DWG. NO.	REV
A	A3.4	
SCALE: 1:2.5	WEIGHT:	SHEET 30 OF 37

2

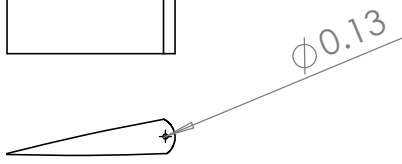
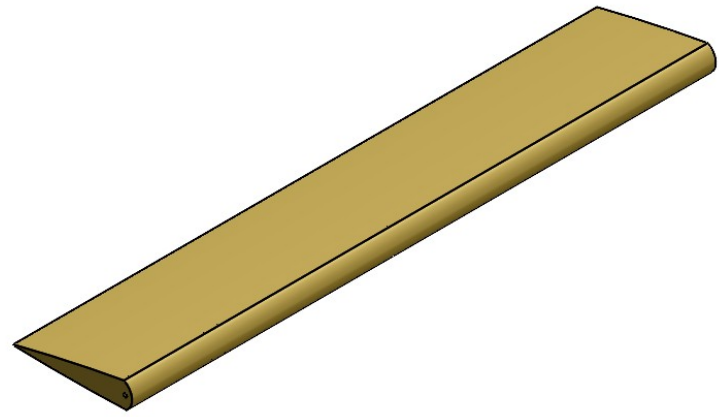
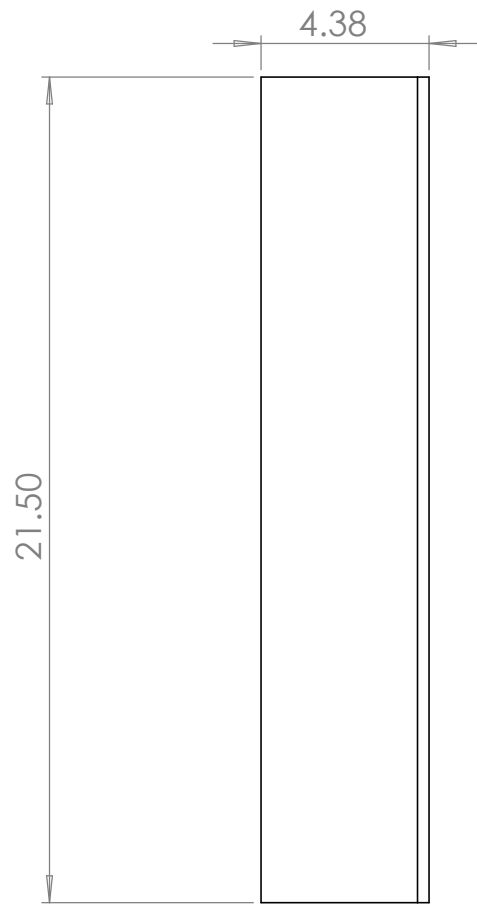
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL Depron Foam with and outside layer of Duct Tape			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Elevator		
SIZE	DWG. NO.	REV
A	A3.5a	
SCALE: 1:5	WEIGHT:	SHEET 31 OF 37

2

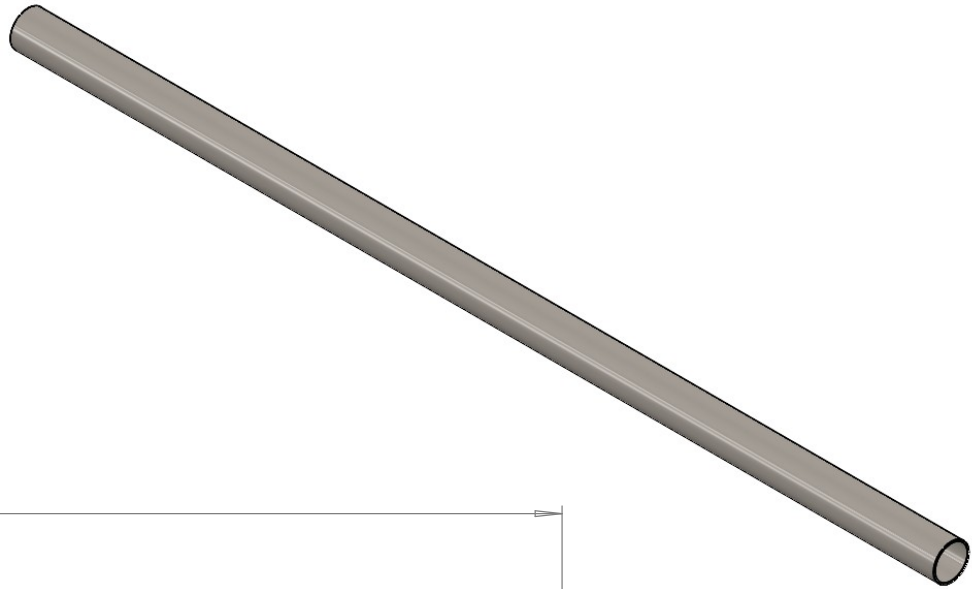
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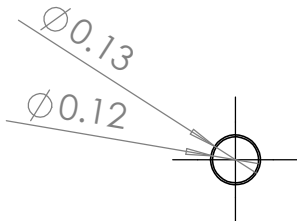
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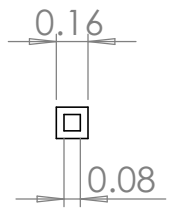
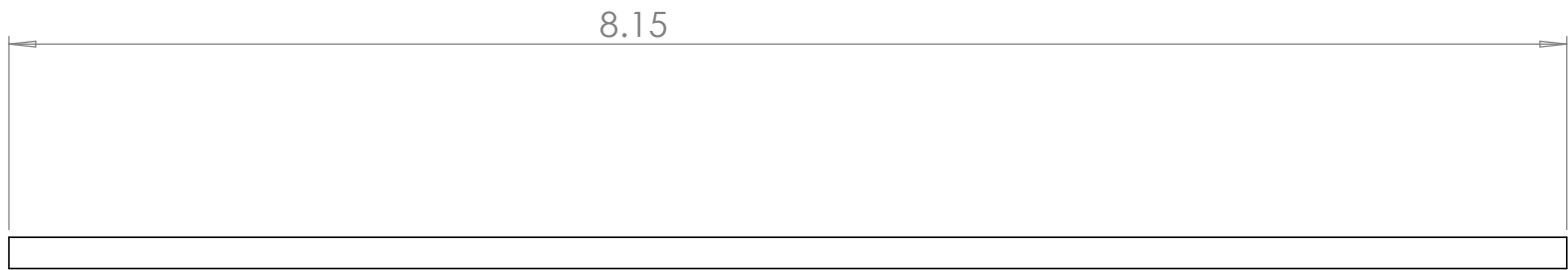
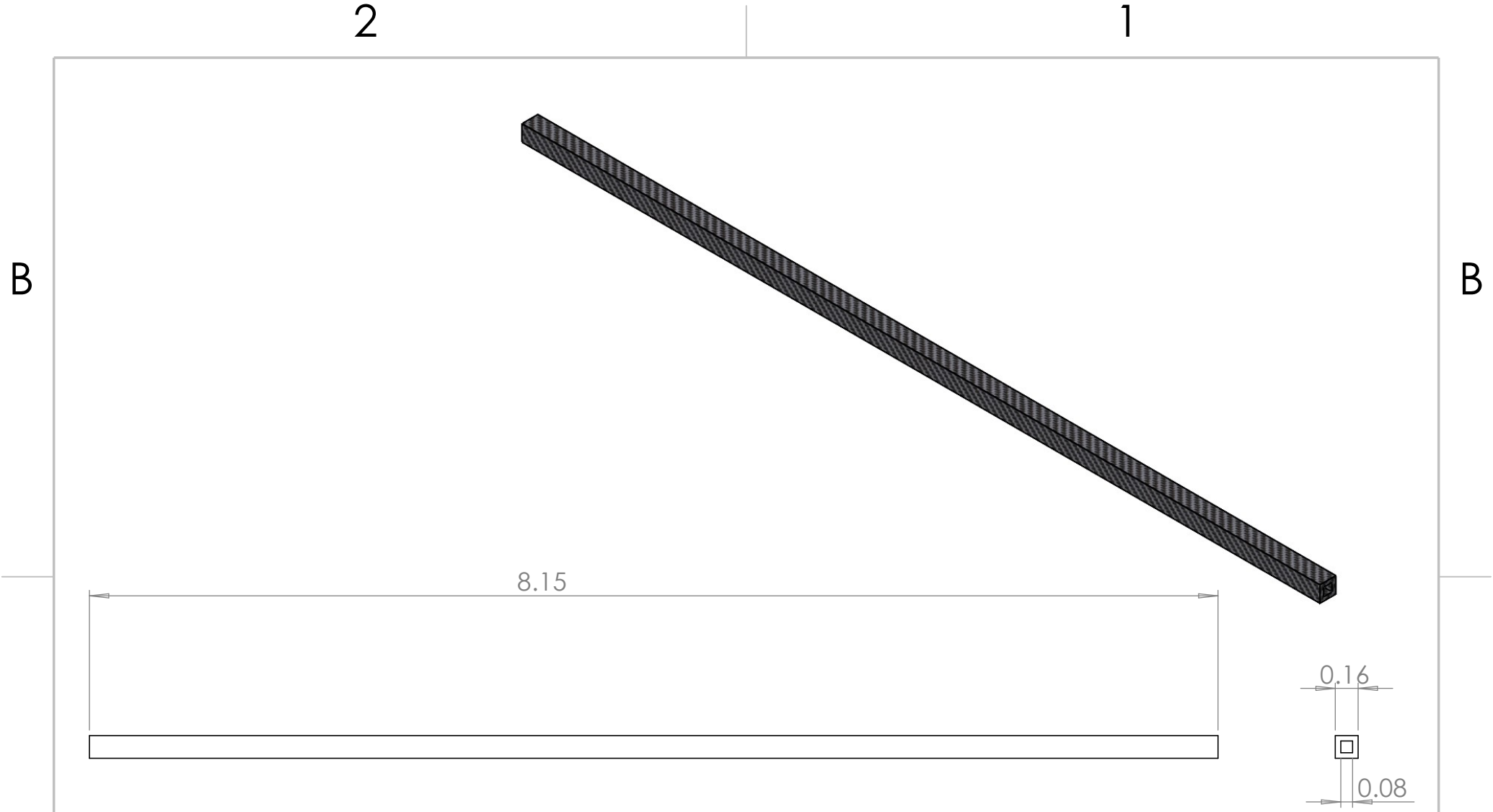
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Aluminium			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Elevator Rod		
SIZE	DWG. NO.	REV
A	A3.5b	
SCALE: 2:1	WEIGHT:	SHEET 32 OF 37

2

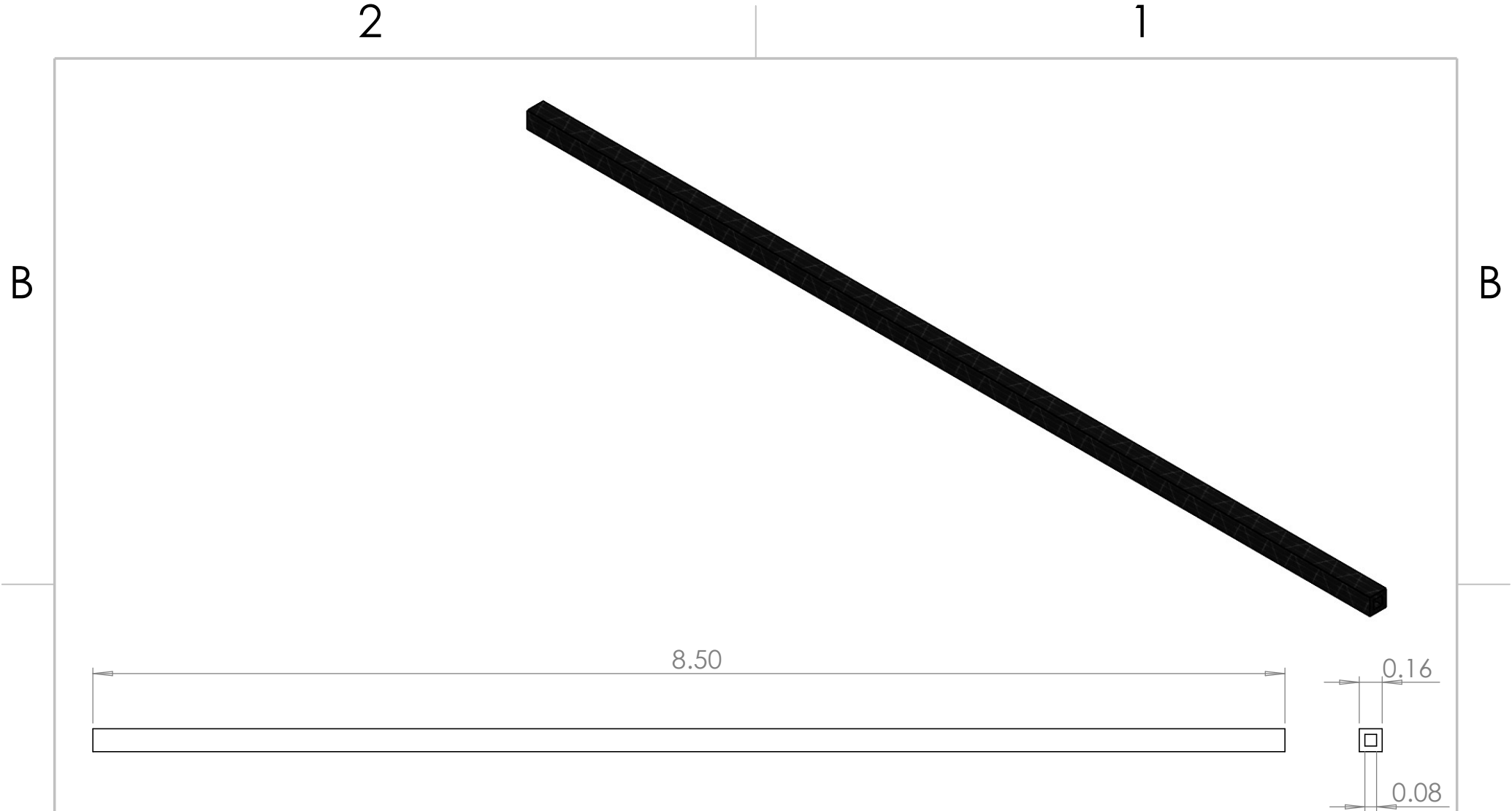
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Carbon Fiber			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Horizontal Tail Spar		
SIZE	DWG. NO.	REV
A	A3.6a	
SCALE: 1:1	WEIGHT:	SHEET 33 OF 37



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL	Carbon Fiber		
		FINISH			
NEXT ASSY	USED ON	APPLICATION	DO NOT SCALE DRAWING		

TITLE:
Front Vertical Tail Spar

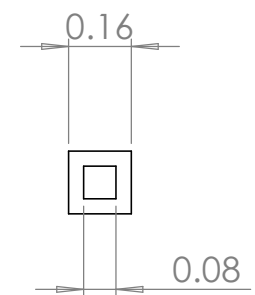
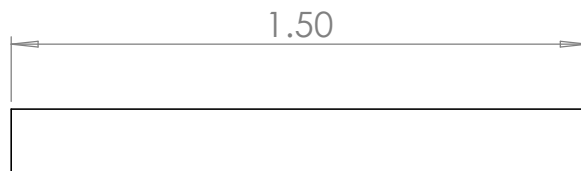
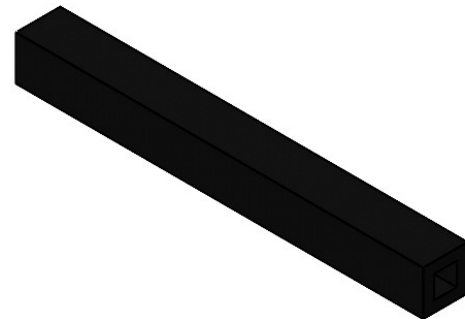
SIZE	DWG. NO.	REV
A	A3.6b	
SCALE: 1:1	WEIGHT:	SHEET 34 OF 37

2

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Luke Chandler	4/9/26
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		Carbon Fiber			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
Rear Vertical Tail Spar

SIZE	DWG. NO.	REV
A	A3.6c	
SCALE: 2:1	WEIGHT:	SHEET 35 OF 37

2

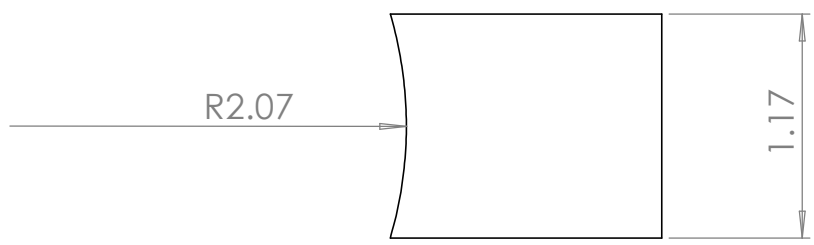
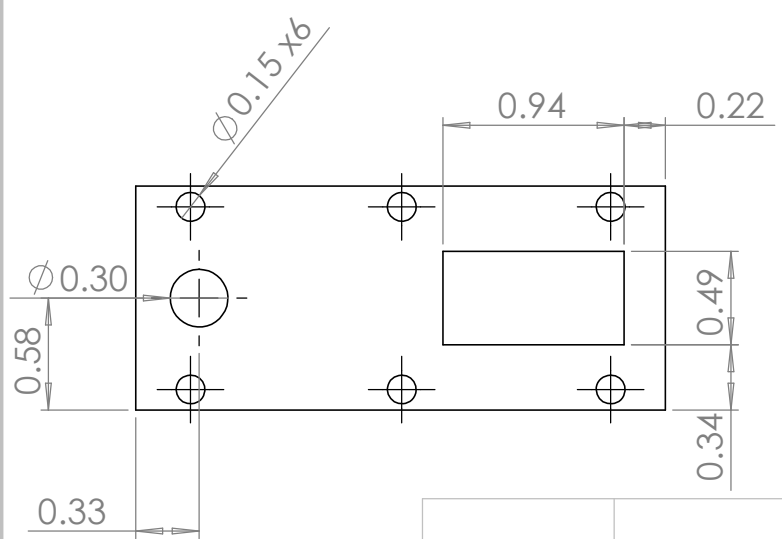
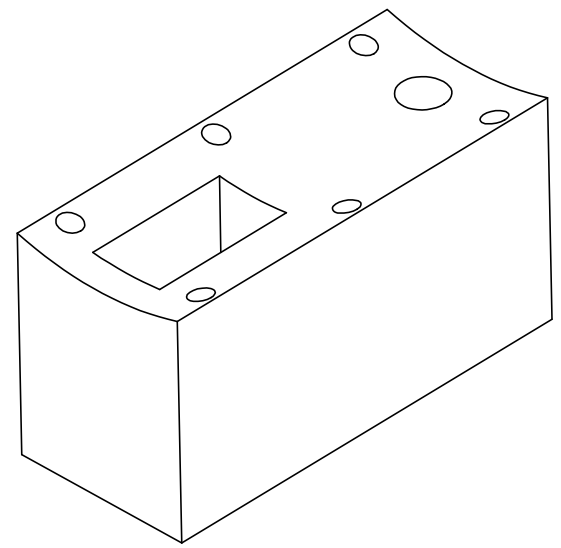
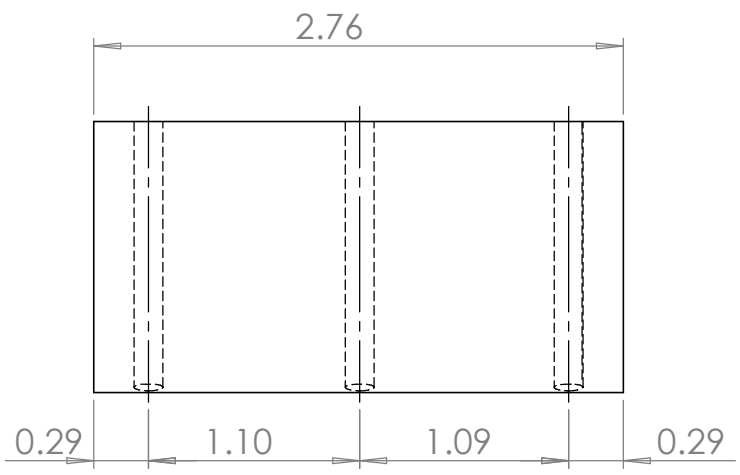
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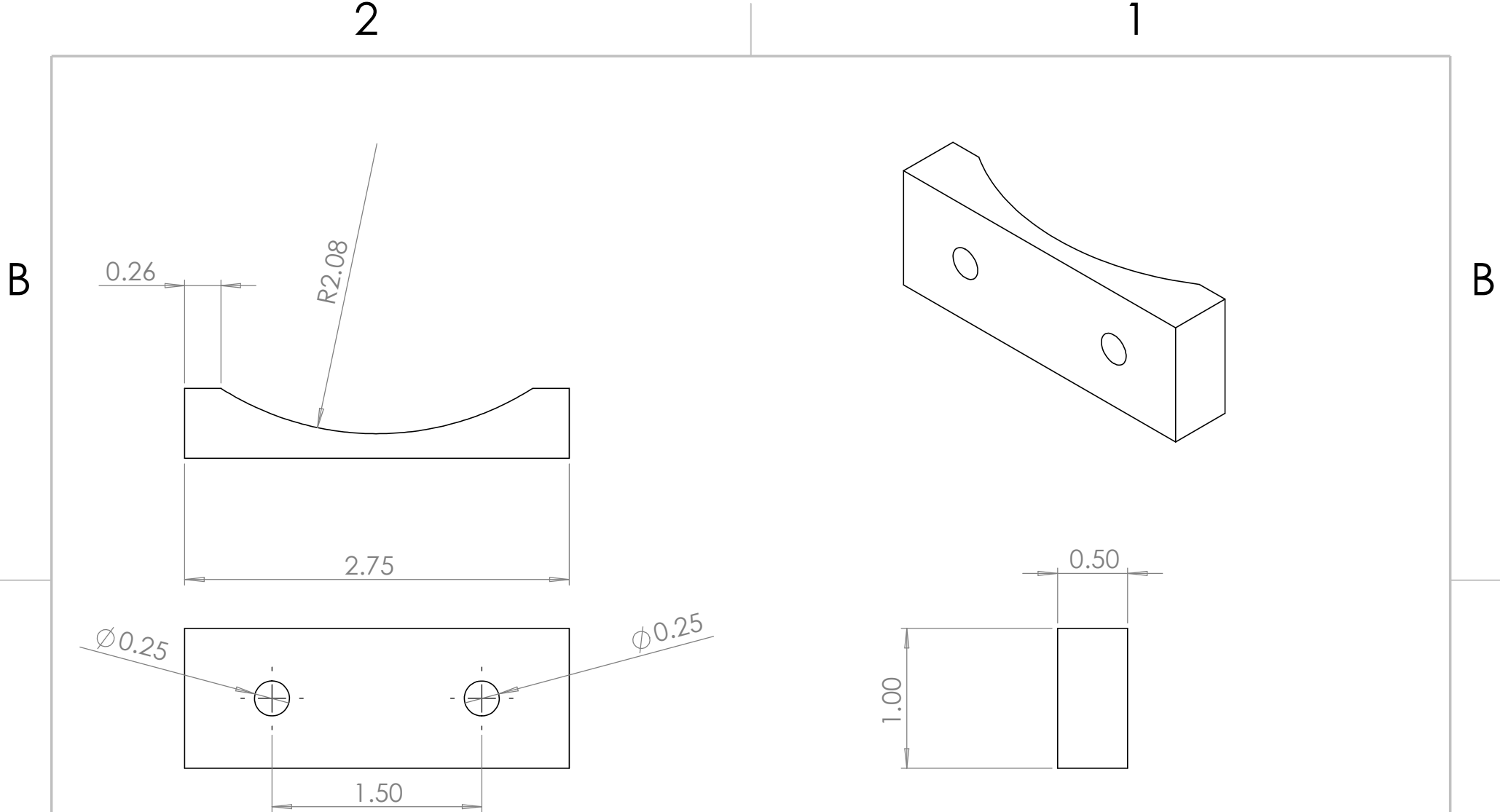
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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	clh646	4/9/2026
		TOLERANCES:	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Nose Gear Mount		
SIZE	DWG. NO.	REV
A	A4.3	2
SCALE: 1:1	WEIGHT:	SHEET 36 OF 37

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	clh646	4/9/2026
		TOLERANCES:	CHECKED		
		FRACTIONAL ±	ENG APPR.		
		ANGULAR: MACH ± BEND ±	MFG APPR.		
		TWO PLACE DECIMAL ±	Q.A.		
		THREE PLACE DECIMAL ±	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
		PLA			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

TITLE:		
Main Gear Mount		
SIZE	DWG. NO.	REV
A	A4.4	1
SCALE: 1:1	WEIGHT:	SHEET 37 OF 37

2

1