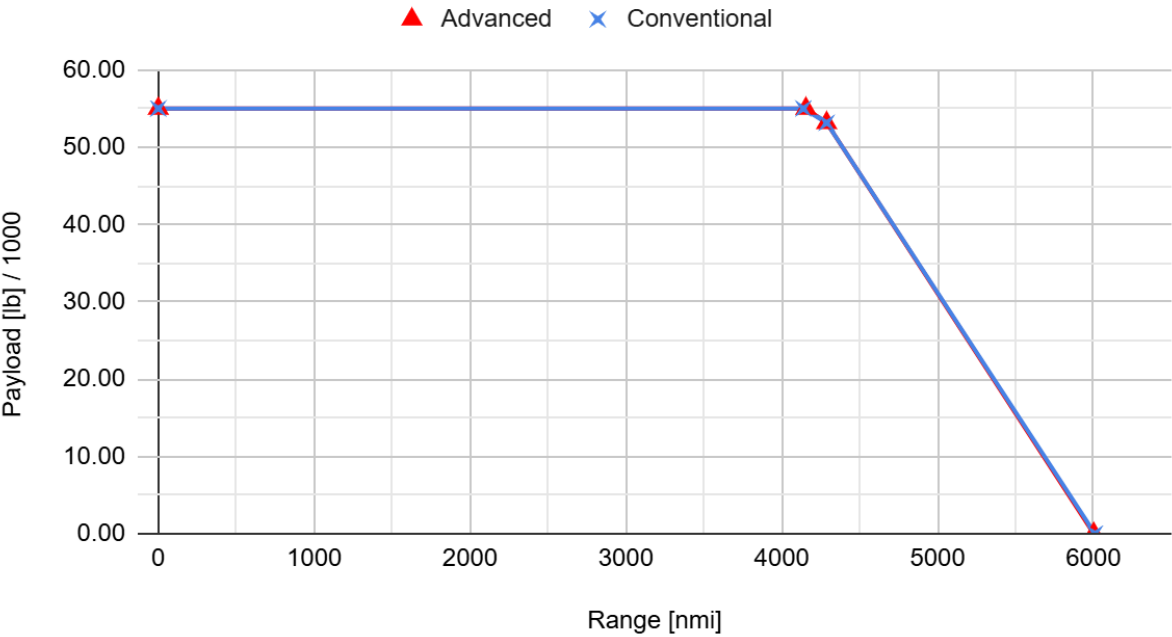


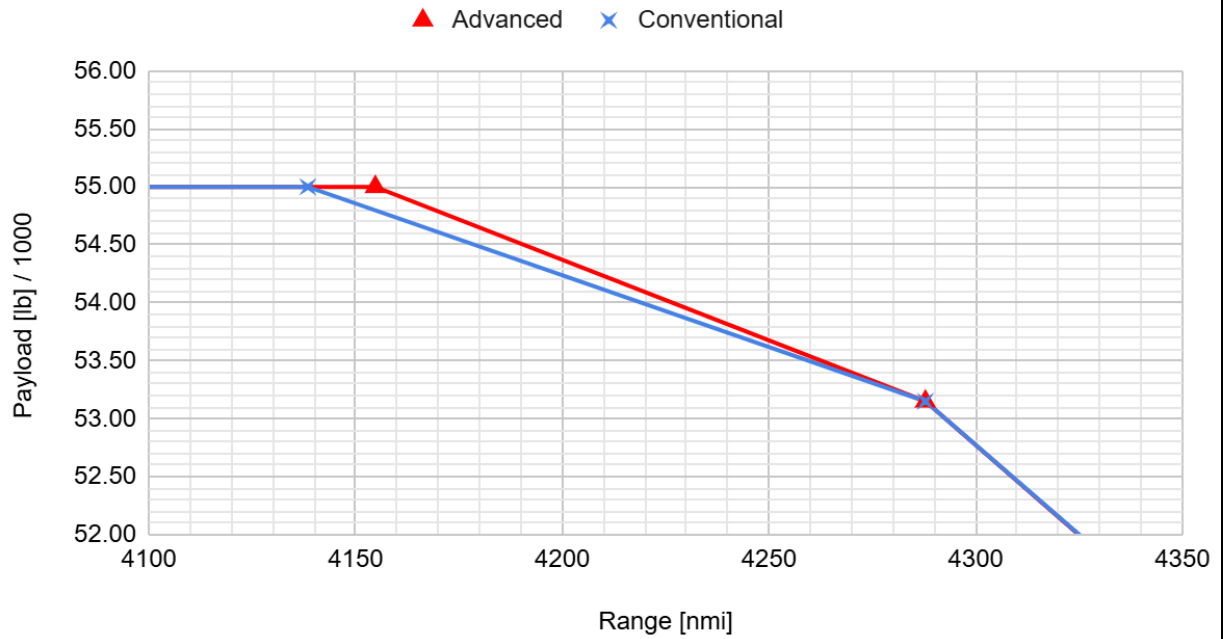
	Conventional	Advanced
WING		
Wingspan [ft]	123.02	122.40
MAC [ft]	16.57	16.48
Planform Area [ft^2]	1,891.67	1,872.76
Airfoil Type	Supercritical	Supercritical
Aspect Ratio (AR)	8	8
Swept Angle (°)	30	30
FUSELAGE		
Length [ft]	165.78	165.78
Diameter [ft]	14	14
Seats Abreast	6	6
MATERIAL		
Wing	Aluminum	Composite
Fuselage	Aluminum	Composite
Nacelle + Pylon	Aluminum	Composite
Tail	Aluminum	Composite
Fixed Equipment	Aluminum	Composite
WEIGHT		
Wing Weight [lb]	20,515.00	14,328.33
Fuselage [lb]	2,433.92	2,067.92
Tail Weight [lb]	4,035.30	1,972.87
Fixed Equipment Weight [lb]	37,805.00	36,997.09
Fuel Weight [lb]	70,106.07	69,974.62
ENGINES		
Flat Plate Drag Area [ft^2]	30.77	30.60
Engine Type	JT9D	JT9D

Number of Engines	2	2
Max Thrust per Engine [lb]	43,857.47	44,154.67
Takeoff Gross Weight [lb]	227,000.00	226,574.37
All-out Range NM	4,045.84	4,045.84
DOC [\$/ton-mile]	0.09	0.09
SFC	0.62	0.56
Powerplant Weight [lb]	24,501.38	26,951.52

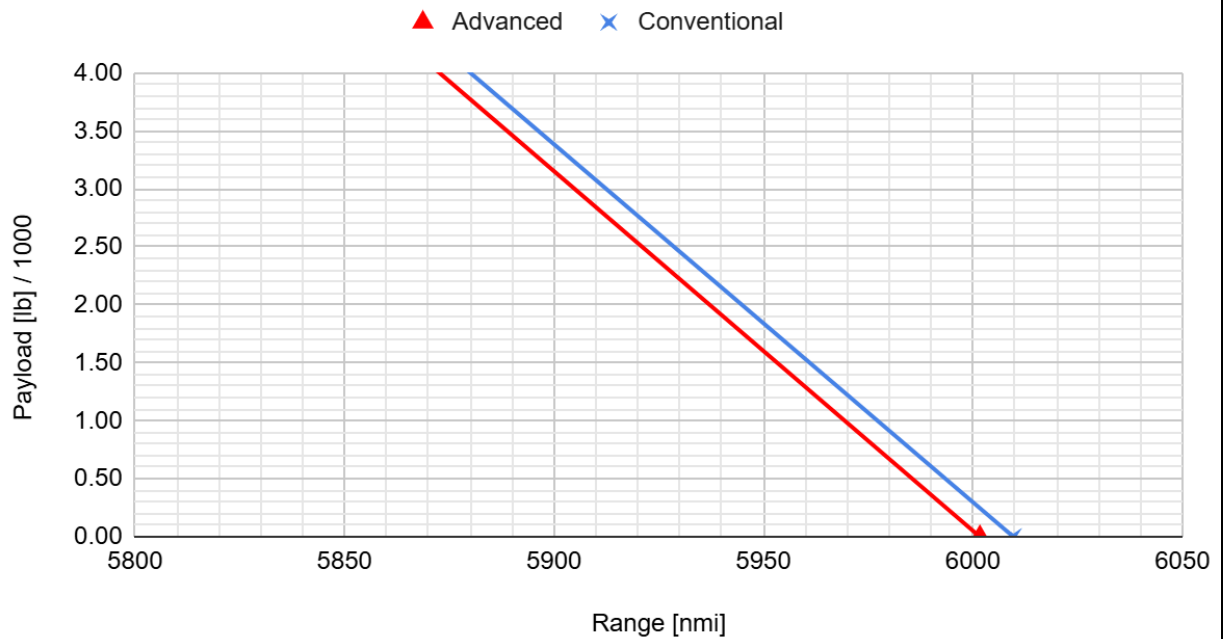
Range vs. Payload



Range vs. Payload Zoom in Point 2 and 3

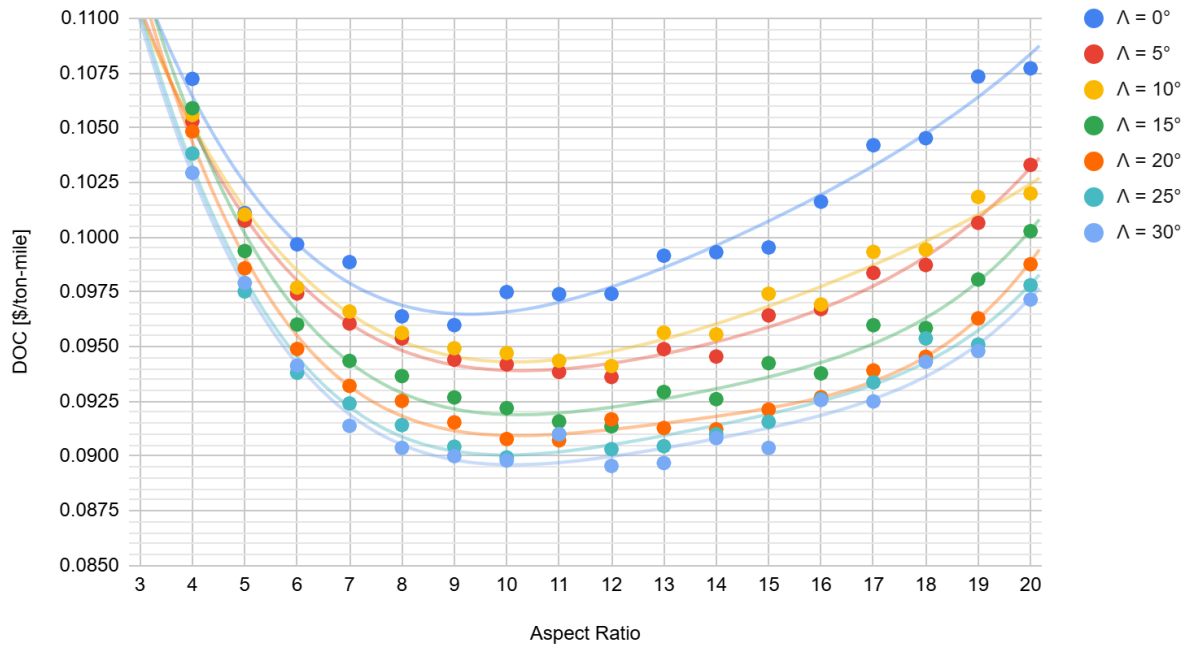


Range vs. Payload Zoom in Point 4

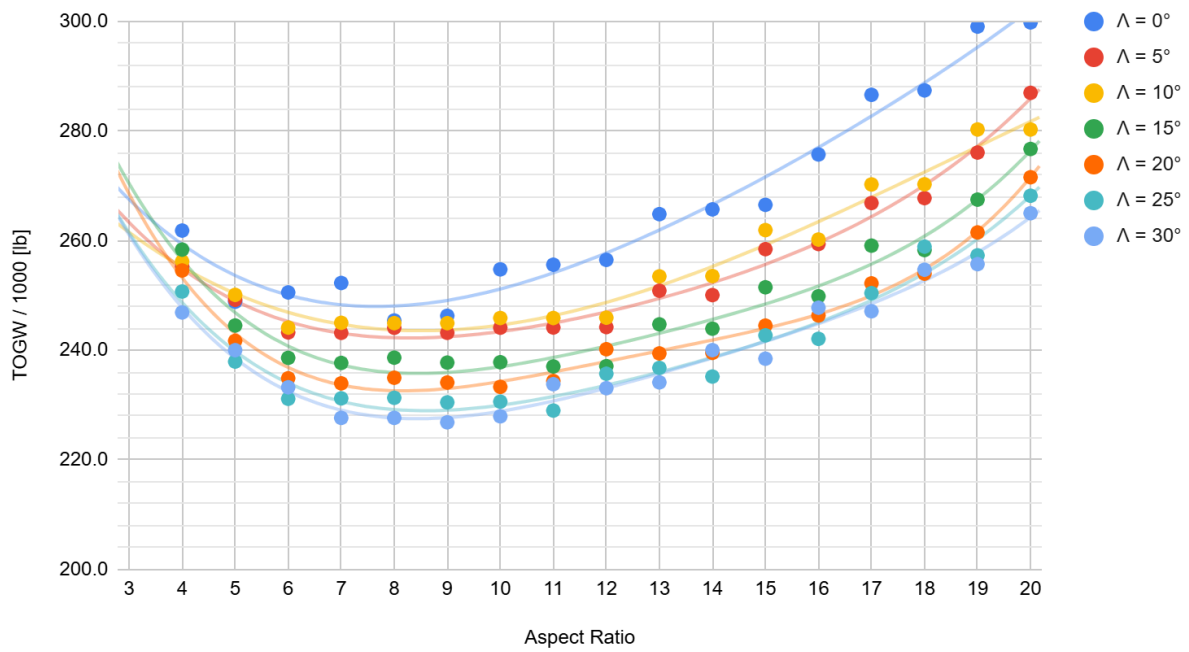


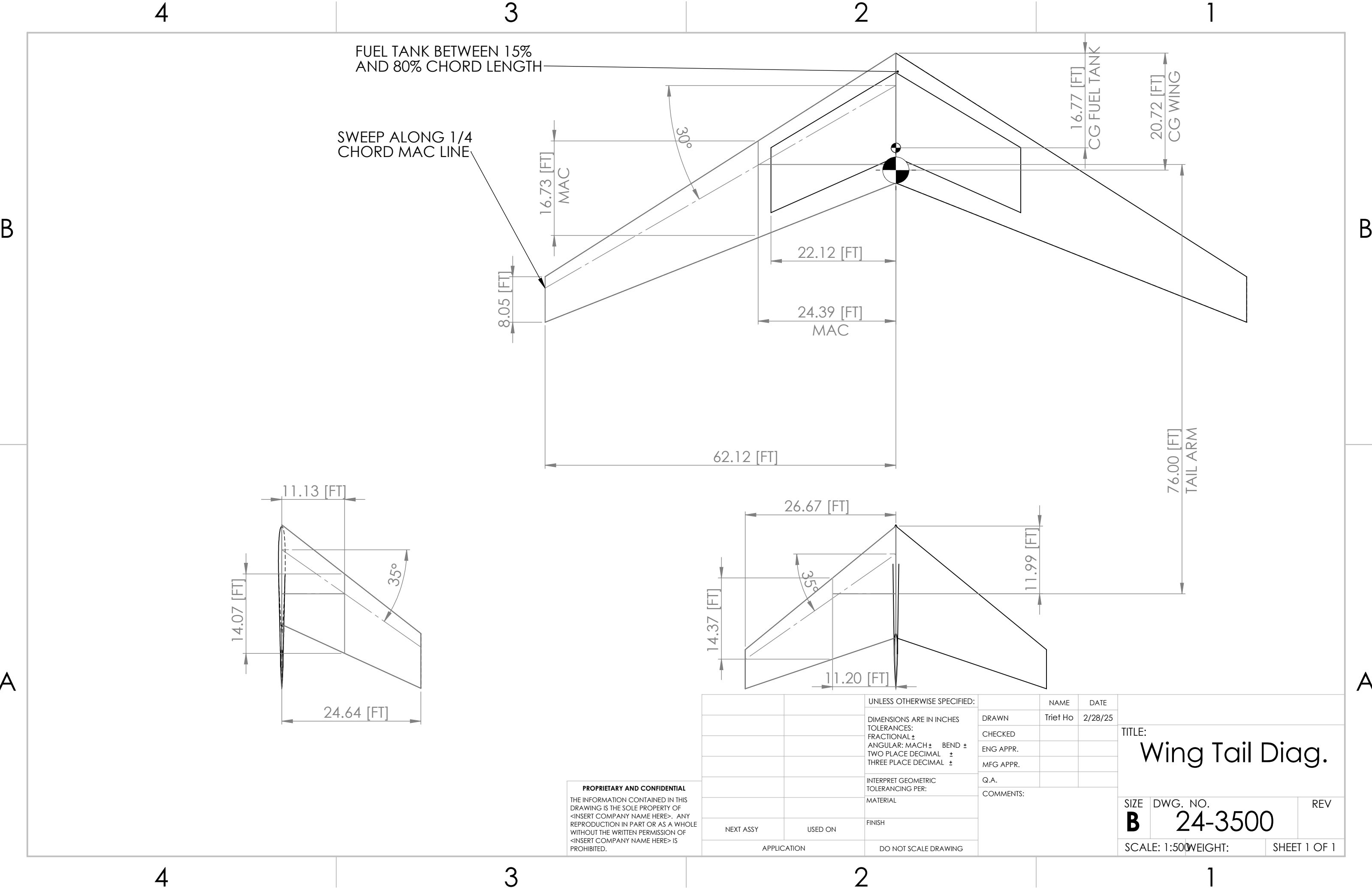
ADVANCED AIRCRAFT

DOC vs. AR for Advanced Aircraft



TOGW vs. AR for Advanced Aircraft





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		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: Wing Tail Diag.		
SIZE B	DWG. NO. 24-3500	REV
SCALE: 1:500		WEIGHT: SHEET 1 OF 1

4

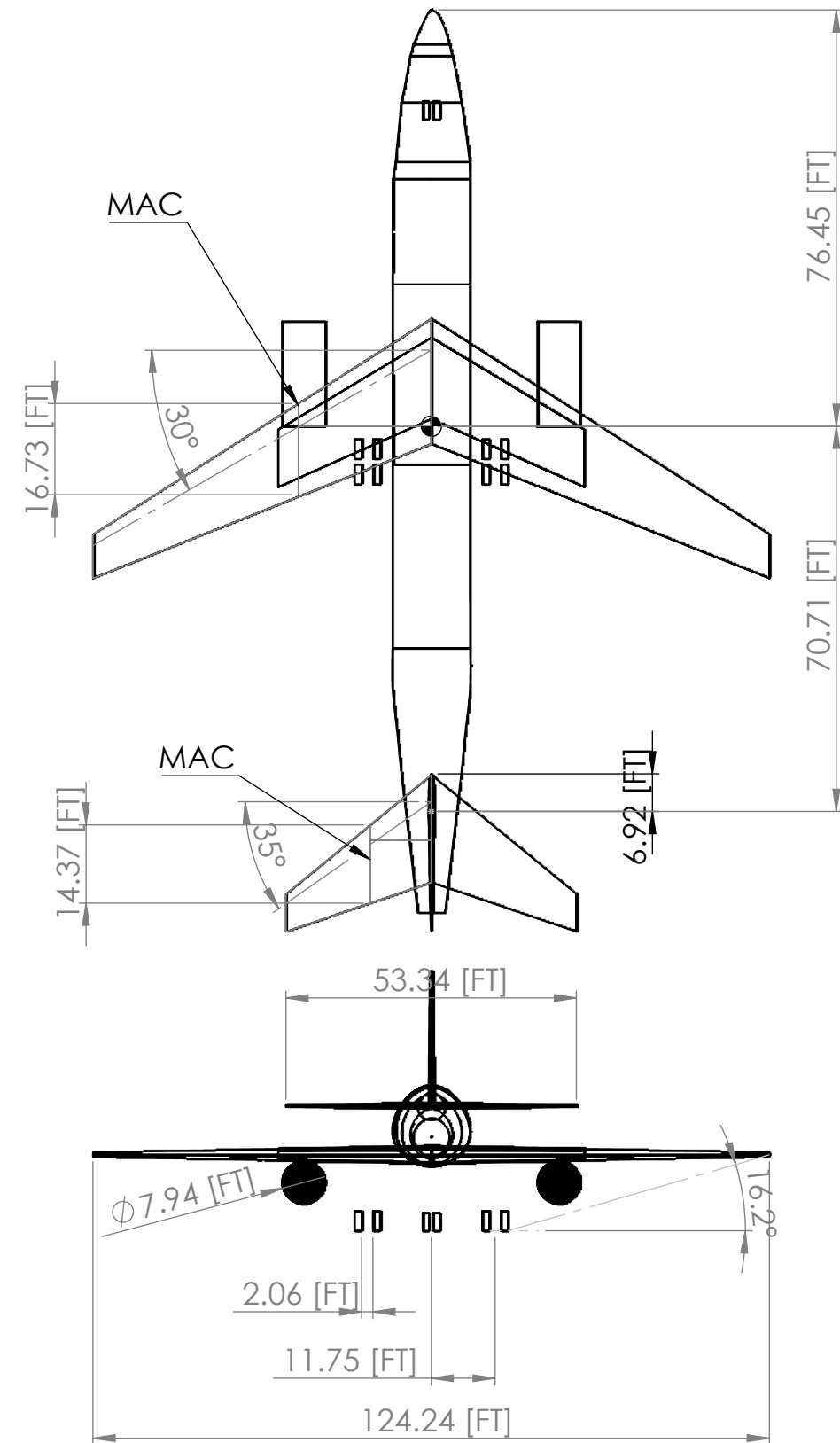
3

2

1

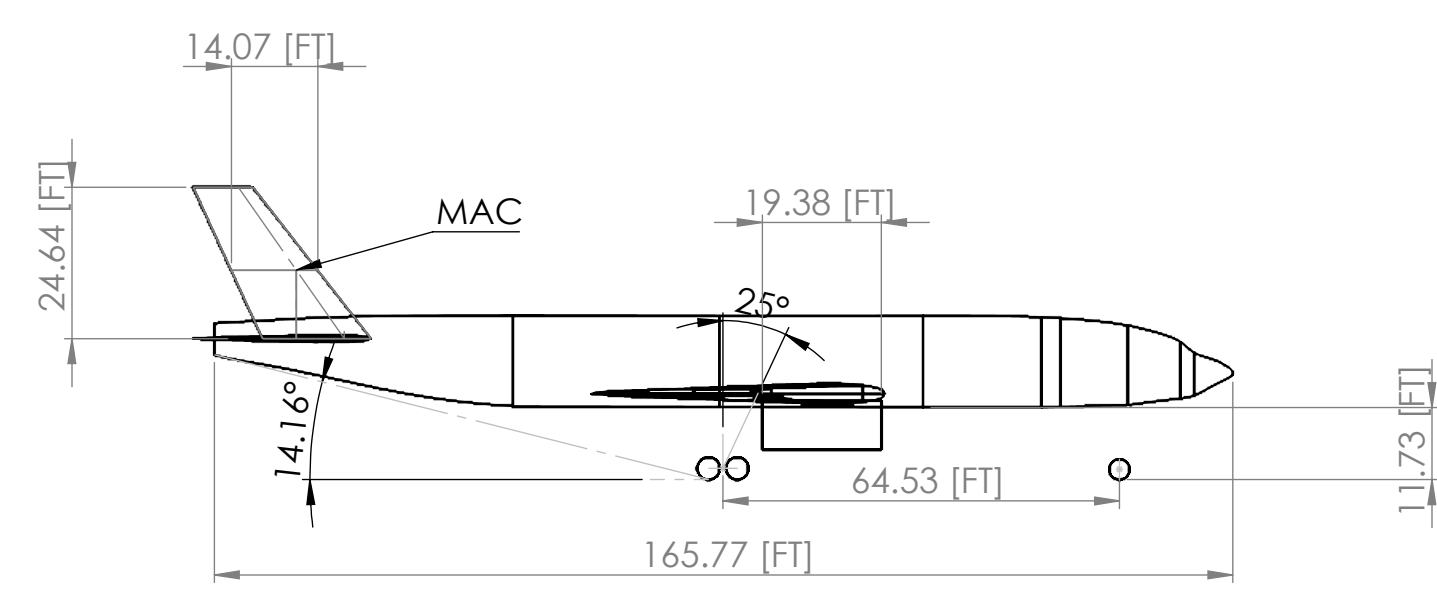
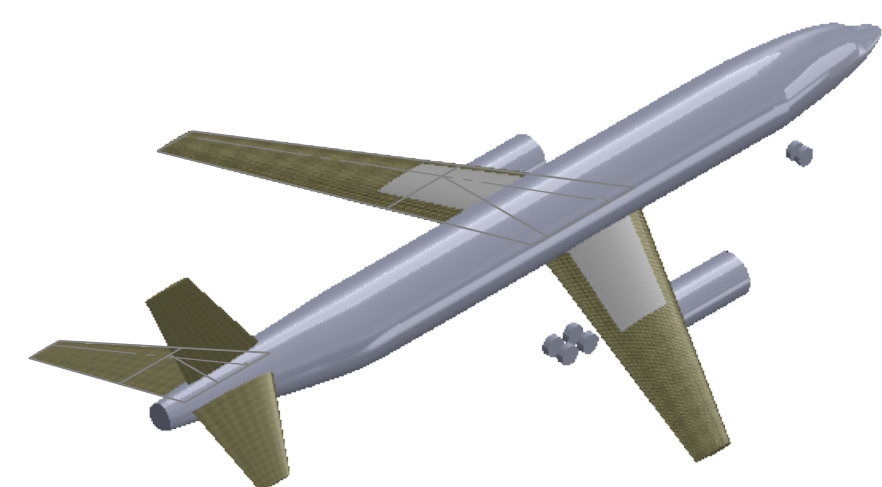
B

A



B

A



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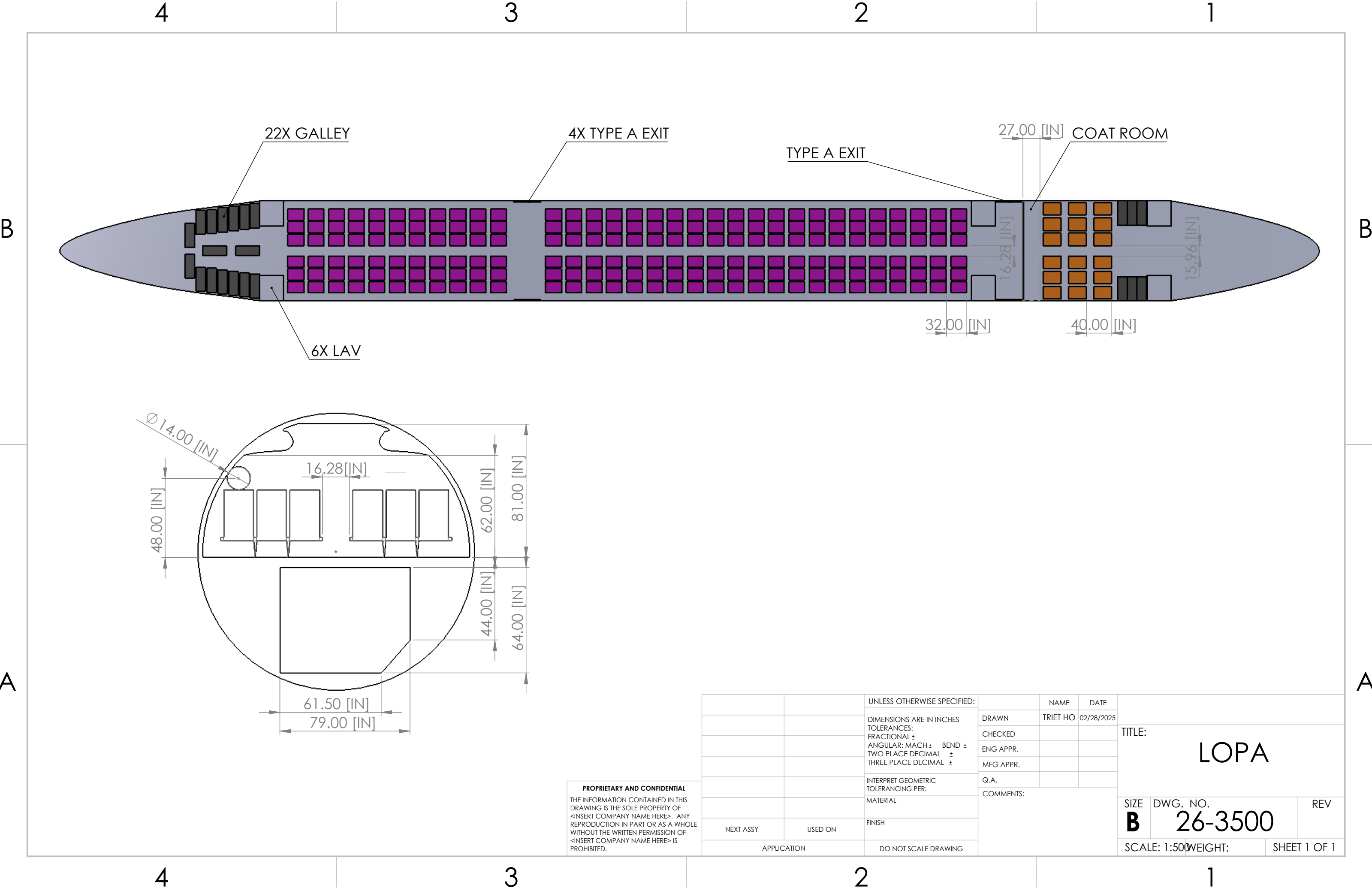
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		ANGULAR: MACH ± BEND ±	MFG APPR.			Q.A.	
		TWO PLACE DECIMAL ±					
		THREE PLACE DECIMAL ±	COMMENTS:			SIZE	DWG. NO.
		INTERPRET GEOMETRIC TOLERANCING PER:				B	25-3500
		MATERIAL				SCALE: 1:500	WEIGHT:
		FINISH					SHEET 1 OF 1
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					

4

3

2

1

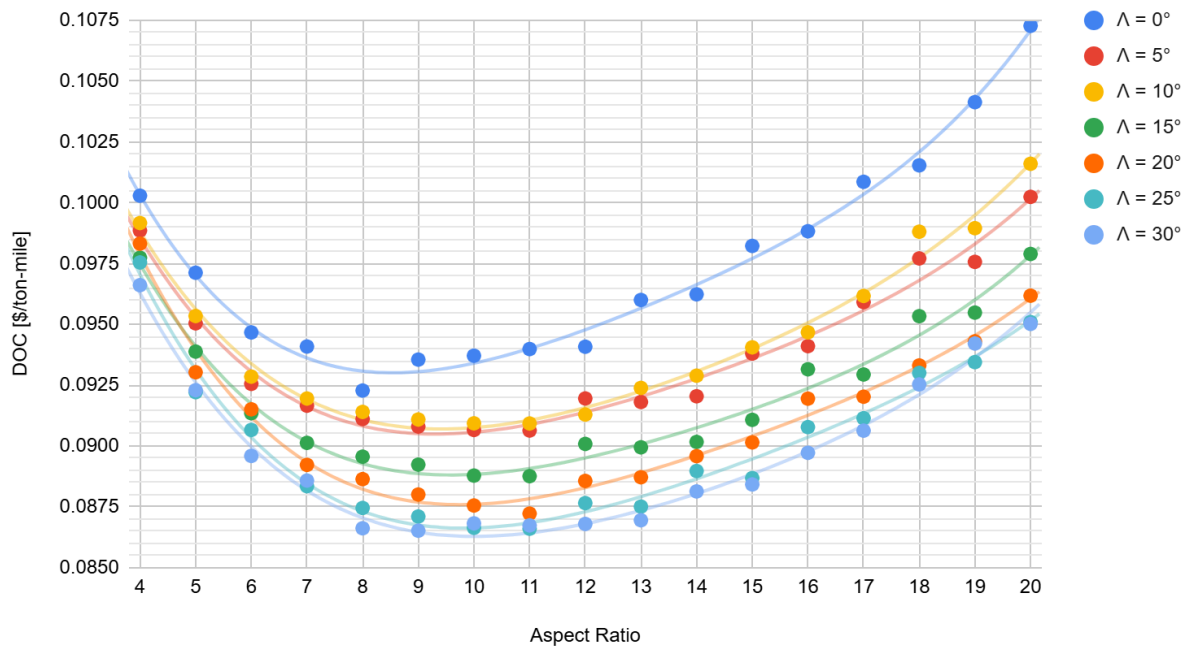


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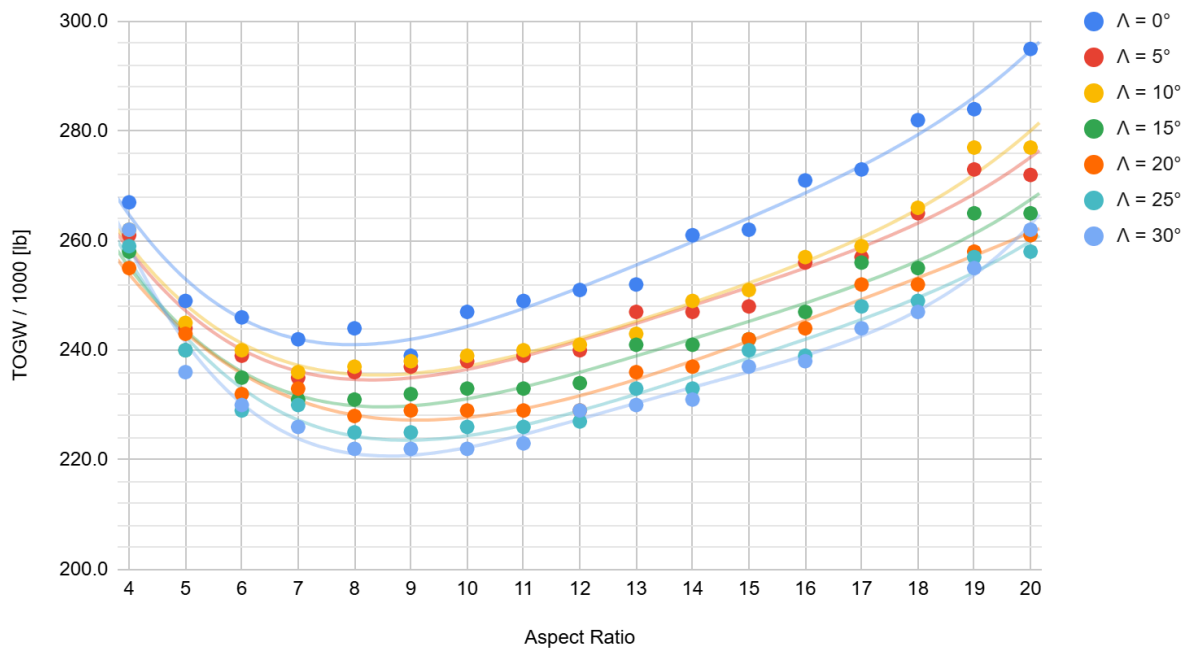
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			CHECKED					
			ENG APPR.					
			MFG APPR.					
		INTERPRET GEOMETRIC TOLERANCING PER:		Q.A.		SIZE DWG. NO. REV B 26-3500		
		MATERIAL	COMMENTS:					
		FINISH						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING	SCALE: 1:500			WEIGHT:	SHEET 1 OF 1	

CONVENTIONAL AIRCRAFT

DOC vs. AR for Conventional Aircraft



TOGW vs. AR for Conventional Aircraft



4

3

2

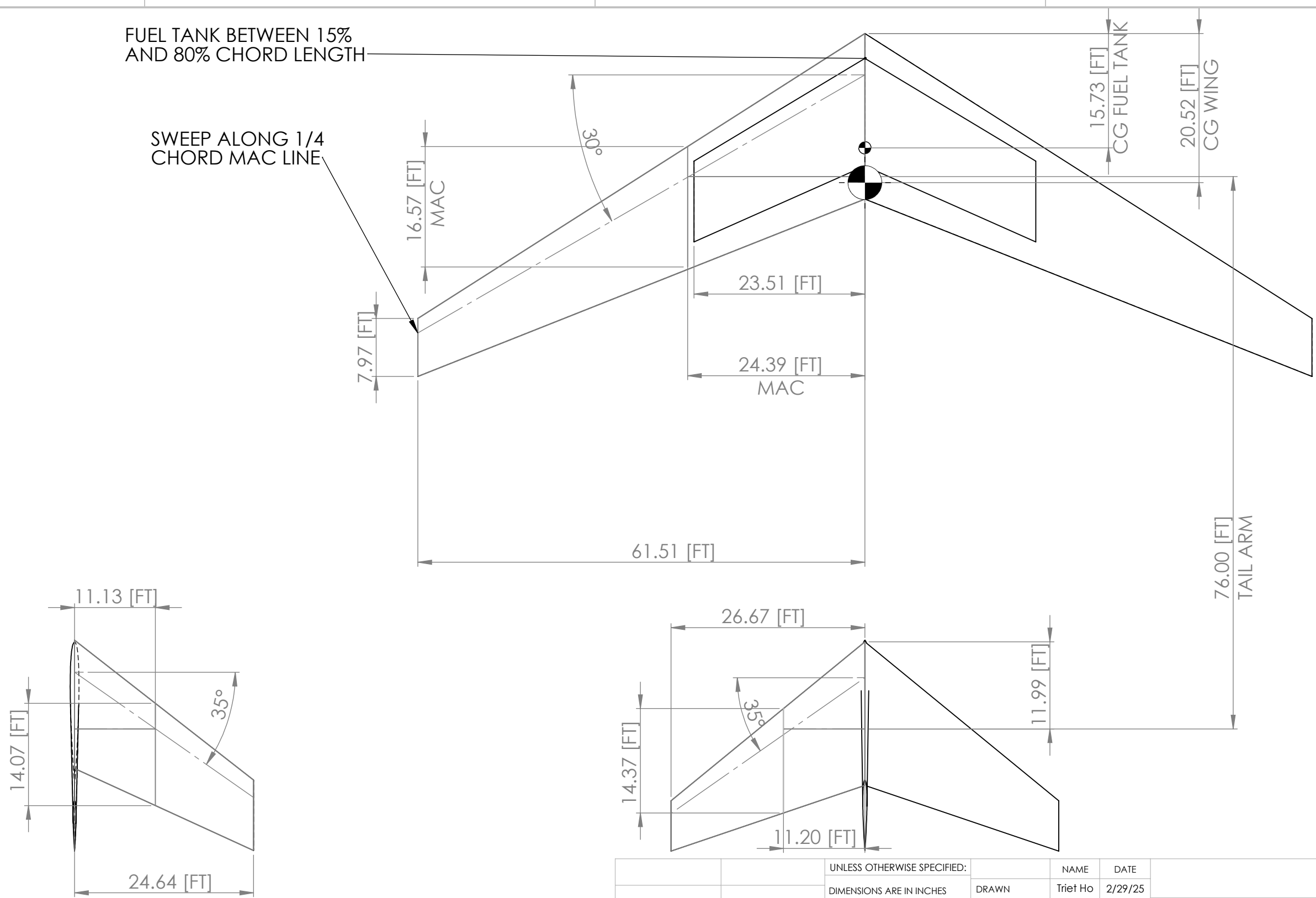
1

B

A

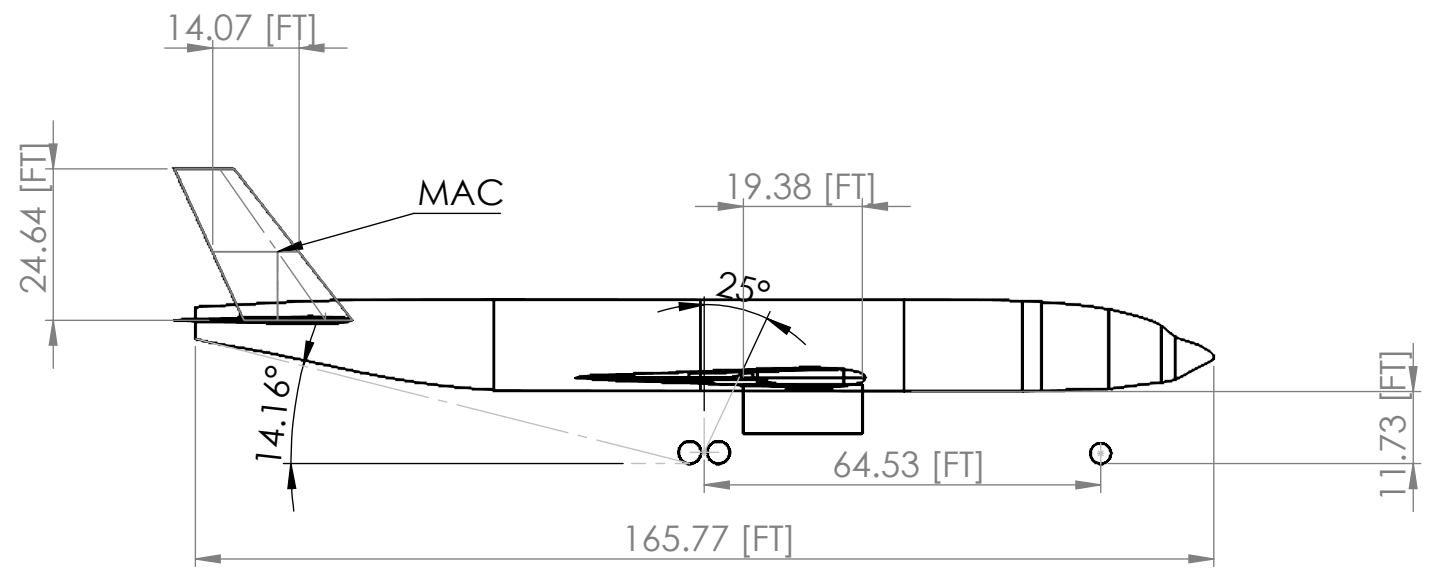
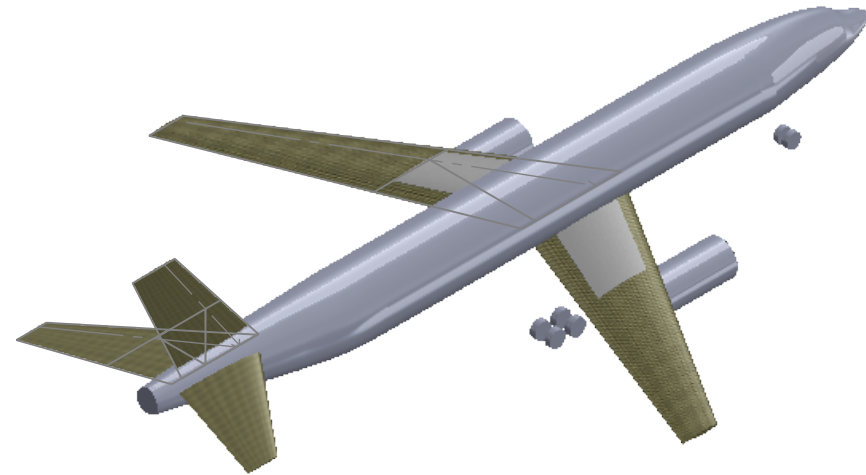
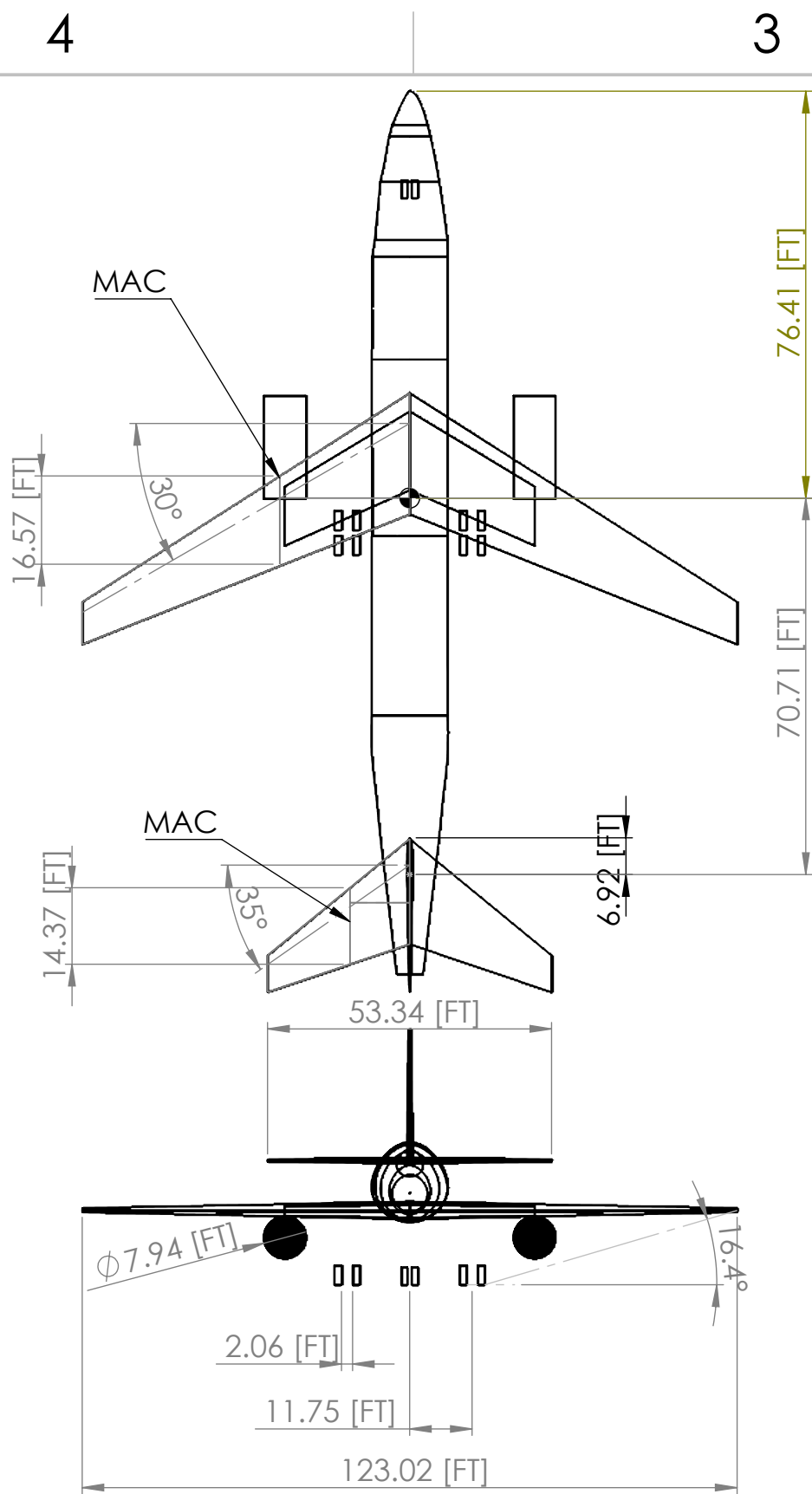
B

A



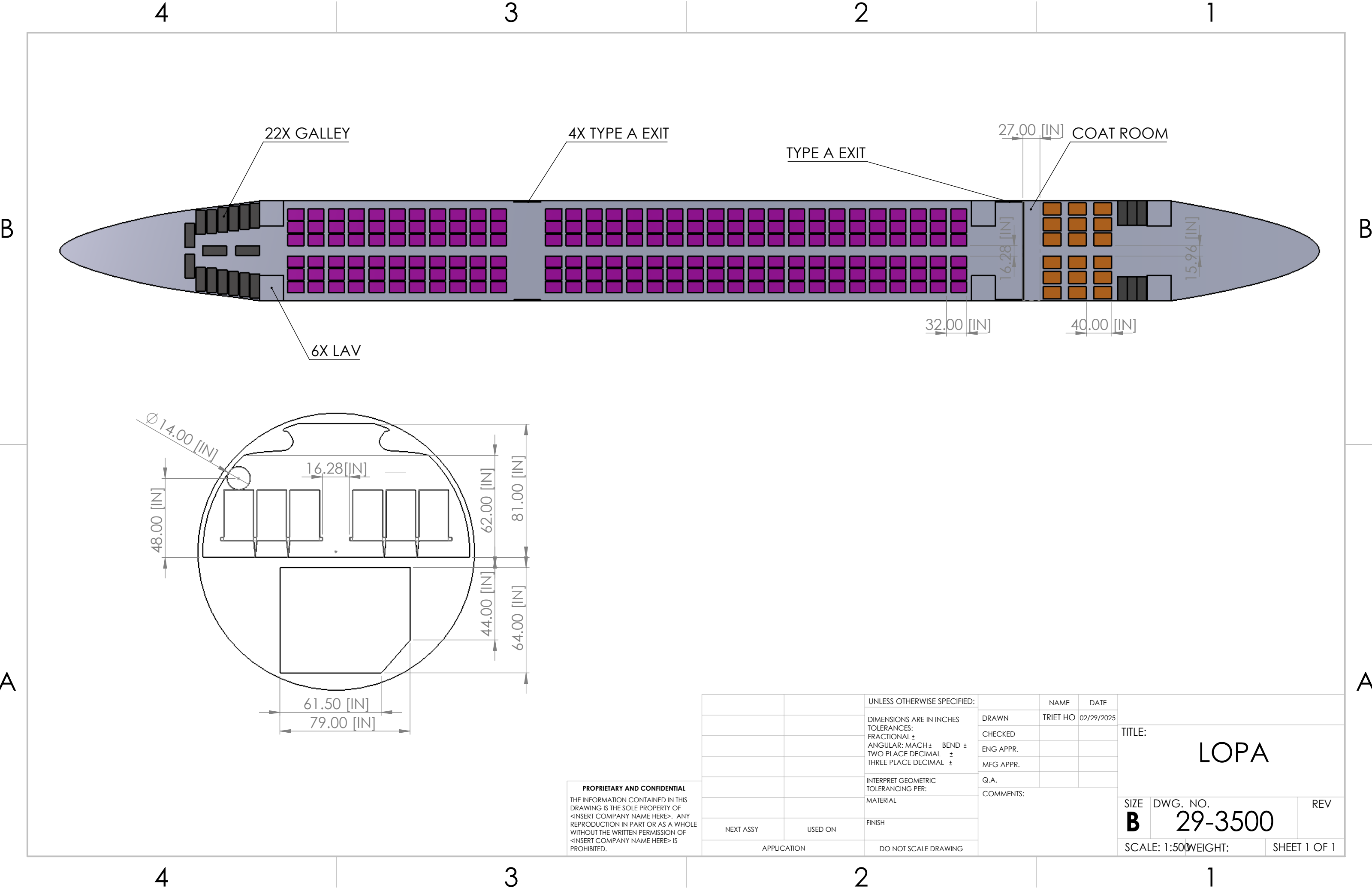
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		DIMENSIONS ARE IN INCHES	DRAWN	Triet Ho	2/29/25			
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		MATERIAL	COMMENTS:					
NEXT ASSY	USED ON	FINISH				SCALE: 1:500 WEIGHT: SHEET 1 OF 1		
APPLICATION		DO NOT SCALE DRAWING						



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		DIMENSIONS ARE IN INCHES	DRAWN	Triet Ho	2/29/25		
		TOLERANCES:	CHECKED				
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		TWO PLACE DECIMAL ±					
		THREE PLACE DECIMAL ±				COMMENTS:	
		INTERPRET GEOMETRIC TOLERANCING PER:					
		MATERIAL				SIZE	DWG. NO.
		FINISH				B	28-3500
NEXT ASSY	USED ON					SCALE: 1:500	WEIGHT:
APPLICATION		DO NOT SCALE DRAWING				SHEET 1 OF 1	



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		MATERIAL					
		FINISH					
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APPLICATION		DO NOT SCALE DRAWING				WEIGHT:	SHEET 1 OF 1