

В

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Wing_Bars_3	square wing frame	1
2	Airfoil_Frames_9	foil section w/ servo mount	10
3	Aileron SubAssembly	aileron subsystem	1
4	Fuselage_Frames_30	square dowel wing	4
5	Fuselage_Frames_31	Wing Stringer	4
6	Fuselage_Frames_32	Round Dowel Wing End	2
7	Fuselage_Frames_33	FrontWingDowelMiddle	2
8	L-Bracket_WingMount	L-Bracket_WingMount	2
9	Motor Mount	Motor Mount	2
10	HBOLT 0.2500- 20x0.5x0.5-N	hex bolt fastener	8
11	HBOLT 0.2500- 20x1.125x0.75-N	bolt fastener	4
12	Narrow FW 0.25	washer	12
13	HNUT 0.2500-20-D-N	hex nut	12

			UNLESS OTHERWISE SPECIFIED:	
			DIMENSIONS ARE IN INCHES	DF
			TOLERANCES: FRACTIONAL ±	Cł
			ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL +	EN
			THREE PLACE DECIMAL ±	М
			INTERPRET GEOMETRIC	Q.
PROPRIETARY AND CONFIDENTIAL			TOLERANCING PER:	C
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	NEXT ASSY USED ON		FINISH	
NORTHERN ARIZONA UNIVERSITY IS PROHIBITED.	APPLICATION		DO NOT SCALE DRAWING	

	NAME	DATE		
DRAWN	W.A.	12/4/2025		
CHECKED			TITLE:	
ENG APPR.				
MFG APPR.			C	ub
Q.A.			S	UD
COMMENTS:				
			SIZE	DWG.
			Λ	

Wing Subassembly

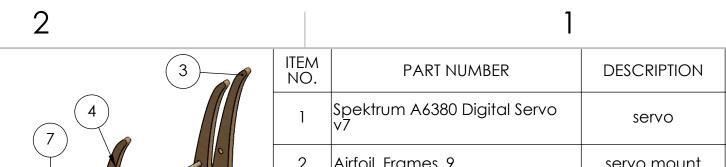
SIZE DWG. NO.

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SCALE: 1:20 WEIGHT: SHEET 8 OF 76

В

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				3		NO.	Ρ	ARINU	WRF
8		7			1	Spektrum . v7	A6380 E	Digito	
					2	Airfoil_Frar	nes_9		
	9		8 50	10	3	Airfoil_Frar	nes_10		
			000		4	Airfoil_Frar	mes_11		
			000	000		5	Airfoil_Frar	mes_12	
		8	100			6	Fuselage_	Frames _.	_34
		000				7	Fuselage_	Frames_	_35
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		(11)				9	hex nut jaı	m_am	
SOOD OC	000					10	AFBMA 12 0.1960 - 10	.2 - 0.25),SI,NC,1	i00 - (
		5			11	AileronSer	voShaft	Mou	
					UNLESS OT	HERWISE SPEC	I CIFIED:	NAME	DAT
	100			DIMENSION:	S ARE IN INCHE	S DRAWN	W.A.	12/4/2	
	100				TOLERANCE FRACTIONA	S:	CHECKED		
					ANGULAR: /	MACH± BEN EDECIMAL ±	D ± ENG APPR.		
		(2)				E DECIMAL ±	MFG APPR.		
		PROPRIETARY AND CONFIDENTIAL			INTERPRET GE TOLERANCIN		Q.A.		
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Spektrum A6380 Digital Servo v7	servo	2
2	Airfoil_Frames_9	servo mount	2
3	Airfoil_Frames_10	bearing mount	4
4	Airfoil_Frames_11	actuator	8
5	Airfoil_Frames_12	non actuator	8
6	Fuselage_Frames_34	aileron rod	2
7	Fuselage_Frames_35	Pine dowel	2
8	socket button head cap screw_am	screw	8
9	hex nut jam_am	nut	8
10	AFBMA 12.2 - 0.2500 - 0.6250 - 0.1960 - 10,SI,NC,10	bearing	4
11	AileronServoShaftMount	aileron adapter	2

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL± ANGULAR: MACH± BEND± TWO PLACE DECIMAL± THREE PLACE DECIMAL±
INTERPRET GEOMETRIC TOLERANCING PER:
MATERIAL

USED ON

APPLICATION

FINISH

DO NOT SCALE DRAWING

ATE /2025 TITLE: COMMENTS:

Aileron Subassembly

SIZE DWG. NO. SCALE: 1:4 WEIGHT: SHEET 9 OF 76

NEXT ASSY

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