

4

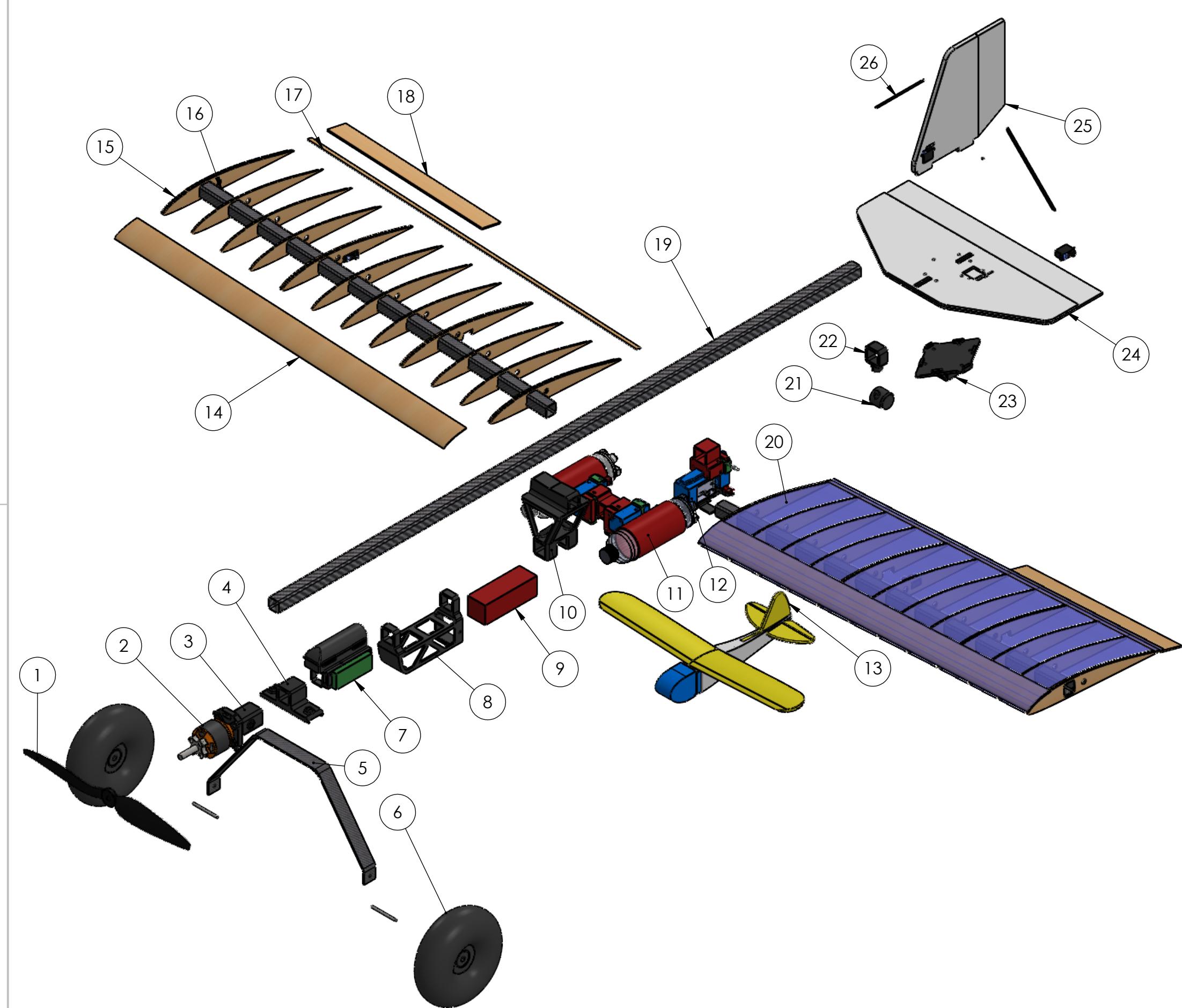
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B

B



#	PART NAME	MATERIAL	QTY
1	Propeller	ABS	1
2	Motor	MISC.	1
3	Motor Mount	PLA	1
4	Landing Gear Mount	PLA	1
5	Landing Gear Strut	CARBON FIBER	1
6	Landing Gear Wheels	FOAM + ABS	2
7	Electronics Compartment	PLA + MISC	1
8	Battery Mount	PLA	1
9	Battery	MISC.	1
10	Wing Mount	PLA	1
11	Fuel Tank Assembly	PLA + MISC.	1
12	XTV Release Mechanism	PLA + MISC.	1
13	XTV	FOAM + MISC.	1
14	Leading Edge Former	BALSA WOOD	2
15	Wing Ribs	BALSA WOOD	32
16	Wing Spar	CARBON FIBER	2
17	Trailing Edge Former	BALSA WOOD	2
18	Aileron	PLYWOOD	2
19	Main Spar	CARBON FIBER	1
20	Wing Membrane	MONOKOTE	2
21	Tail Wheel	ABS + MISC.	1
22	Tail Wheel Mount	PLA	1
23	Empennage Mount	PLA	1
24	Horizontal Stabilizer	FOAMBOARD	1
25	Vertical Stabilizer	FOAMBOARD	1
26	Vertical Stab. Support	CARBON FIBER	2



TITLE:
Columbia University
AIAA DBF 2025

SIZE	DWG. NO.	REV
B	Structural Arrangement	
SCALE: 1:16	WEIGHT:	SHEET 2 OF 4

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