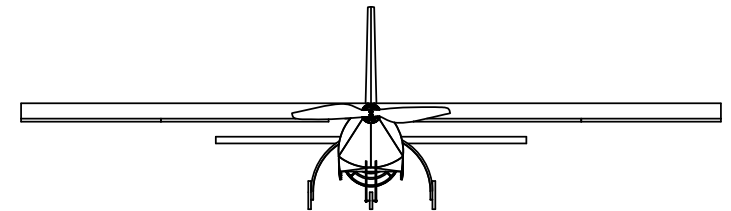
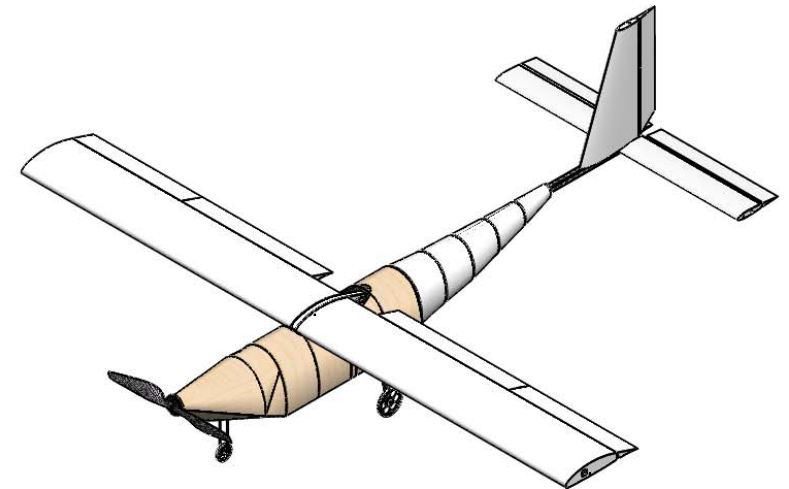
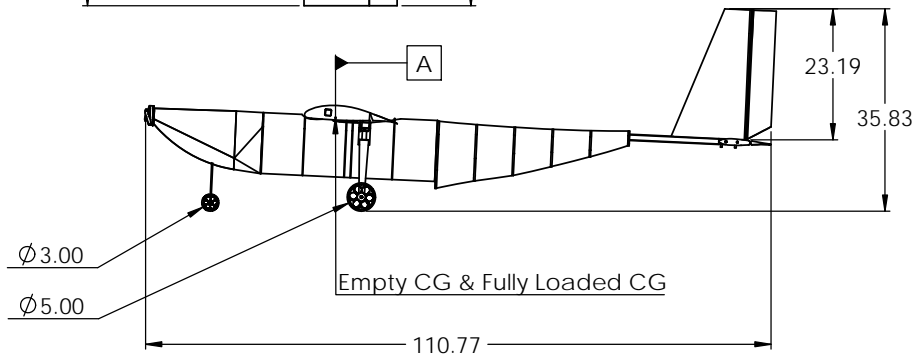
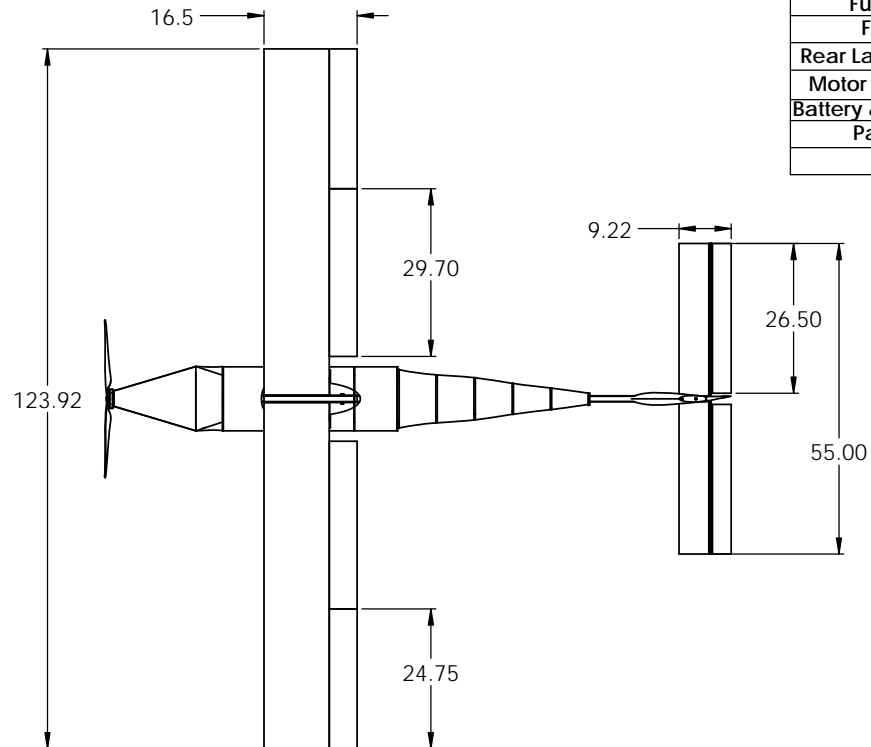


Stability Margin for Loaded CG and Empty CG
-8.3%

Weight and Balance Data Table			
Item	Weight (oz)	Arm (in)	Moment (oz-in)
Wing	65.6	.07	4.6
Tail	20.6	-70.0	-1442.0
Nose Cone	54.1	21	400.1
Fuselage	21.5	-4.0	-86.0
Fairing	4	-32.5	-130.0
Rear Landing Gear	22.9	-6.0	-137.4
Motor & Propeller	15.5	32.5	503.8
Battery & Electronics	31.8	28.5	906.3
Payload	160	0	0
Total	396.0		18.3

Summary Data Table	
Wingspan	123.92 in
Empty Weight	11.5 lbs
Battery Capacity	4000 mA-hr
Motor Make and Model	T-Motor U8 Lite
Motor KV	190KV
Propeller Manufacturer, Diameter, and Pitch	T-Motor, 28.4 inch diam., 10.1 inch pitch
Servo Information	Spektrum S6180, 100 oz-in



UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES		APPROVALS		DATE	UNION COLLEGE - DPT OF MECH ENGR		
X	±1	DRN BY:	Joana Santos	2/18/20	TEAM NAME		
.XX	±.03	CHD BY:	Roderick Landreth	2/20/20	The Flying Dutchmen		
.XXX	±.010	APPD BY:		XX/XX/XX	Advanced		
ANGULAR	±.3	MATERIAL			SIZE	B	TEAM NUMBER: 215
THIRD ANGLE PROJECTION		COMMENTS			SCALE	1:22	WEIGHT 15.5 lbs
DO NOT SCALE DRAWING					SHEET	1 of 1	REV A