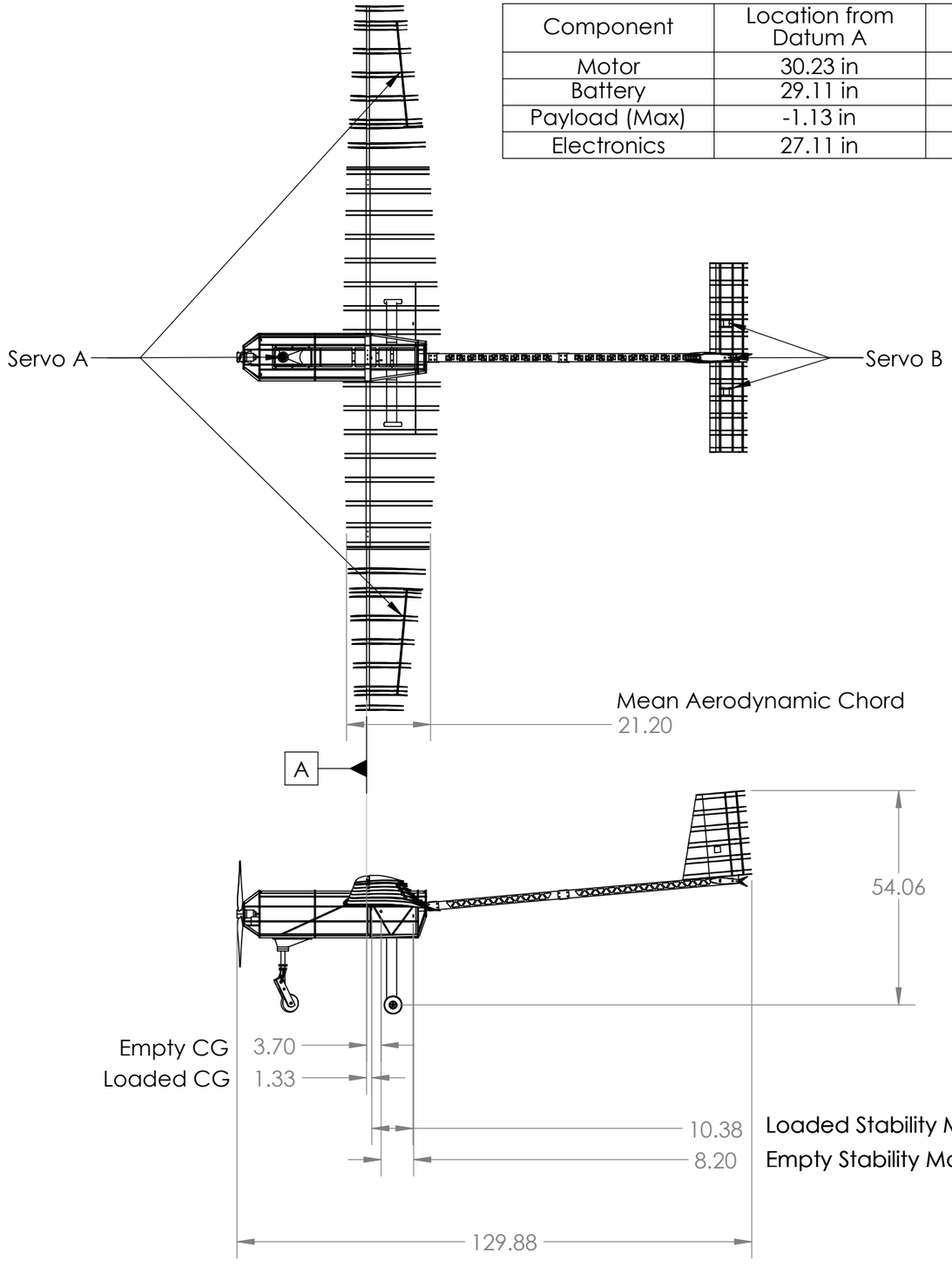
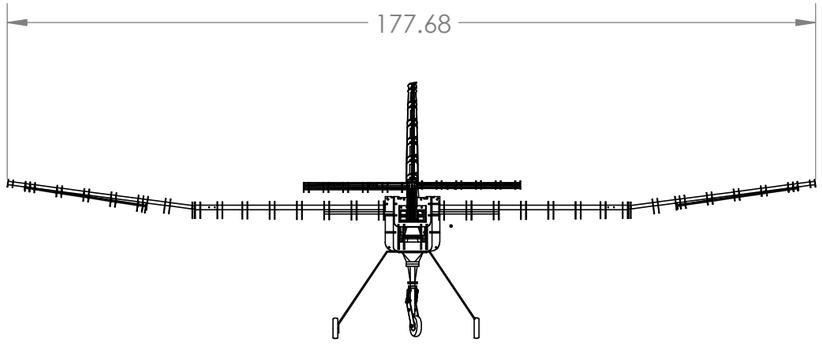
Component	Location from Datum A	Weight	Moment
Motor	30.23 in	1.4 lbs	43.32 lbf*in
Battery	29.11 in	1.07 lbs	31.15 lbf*in
Payload (Max)	-1.13 in	12.8 lbs	-14.46 lf*in
Electronics	27.11 in	.018 lbs	.488 lbf*in



Wingspan	177.68 in.
Wing Area	3542.4 in. sq.
Aspect Ratio	9.13
Empty Weight	22.6 lbs
Battery Capacity	3300 mAh
Motor	Axi Gold Line 4130/16
Motor KV	385 RPM/V
Propeller	APC Propellers, 27in x 13in
Servo A (Landing Gear, Ailerons)	Tower Pro MG9964 DIGI Hi-Torque, 152.76 oz-in
Servo B (Elevators and Rudders)	K-Power DMC911, 91 oz-in



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:

TWO PLACE DECIMAL ± .25
THREE PLACE DECIMAL ± .05

INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5

MATERIAL

FINISH

DO NOT SCALE DRAWING

University of California, Berkeley
Cal Aero SAE
Team 015

SIZE	DWG. NO.	REV
B	Final Plane Assembly	1

SCALE: 1:33.3 | WEIGHT: 22.6 lbs | SHEET 1 OF 1