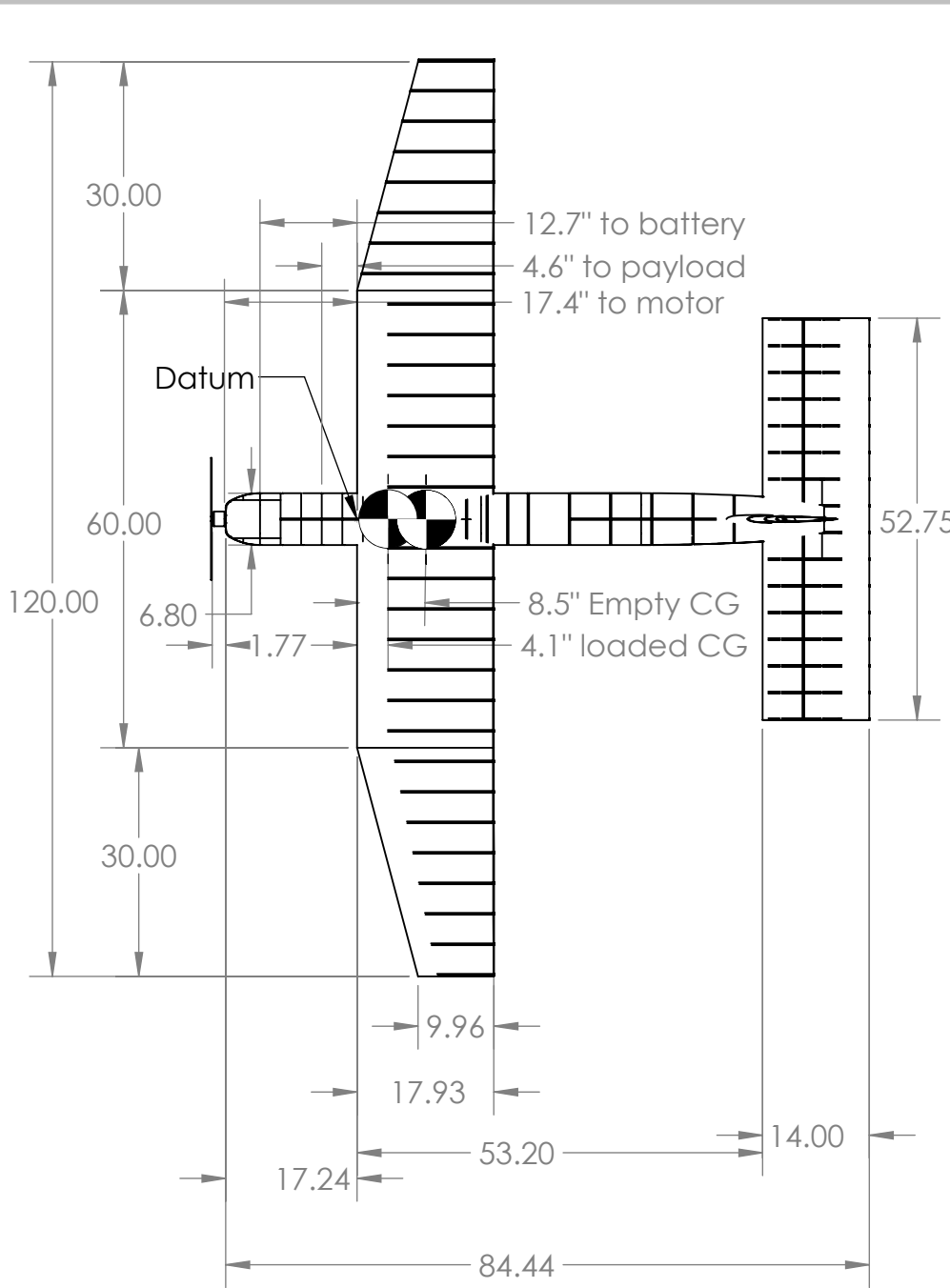


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Datum at Leading edge of wing			
Object	Distance from Datum	Force	Moment
Battery	12.7 +/- .5"	1.3lbs	16.5 lb-in
Payload	4.6 +/- .5"	12lbs	55.2 lb-in
Motor	17.4 +/- .5"	1.0lbs	17.4 lb-in
Rudder and elevator servos	58.4in +/- 1"	0.16lbs	-9.3 lb-in
Aileron servo	51 +/- 2" (Perpendicular)	0.08lbs (each side)	+/- 4.1 lb in
CG Empty	- 8.5 +/- .5"	17 lbs	-144.5 lb-in
CG Loaded	- 4.06 +/- .5"	32 lbs	-129.9 lb-in
Aft CG Limit	9"	-	-
Forward CG limit	1"	-	-

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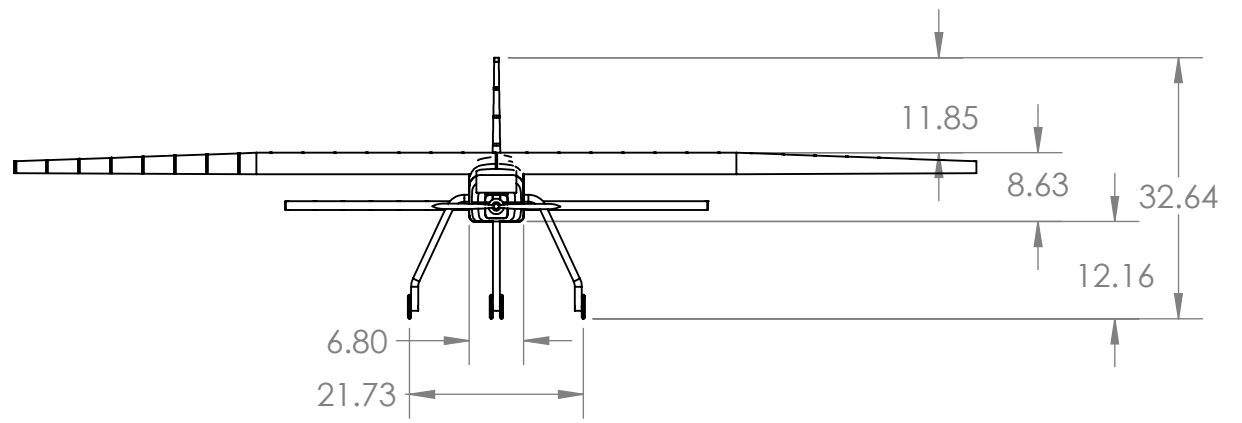
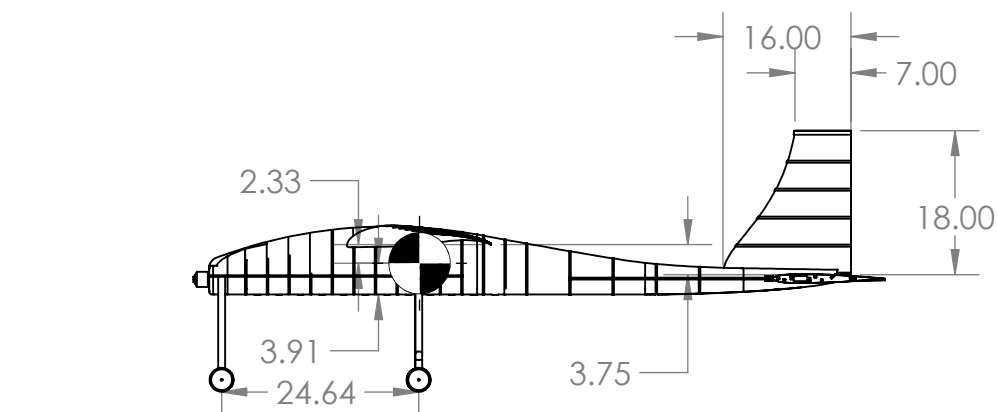
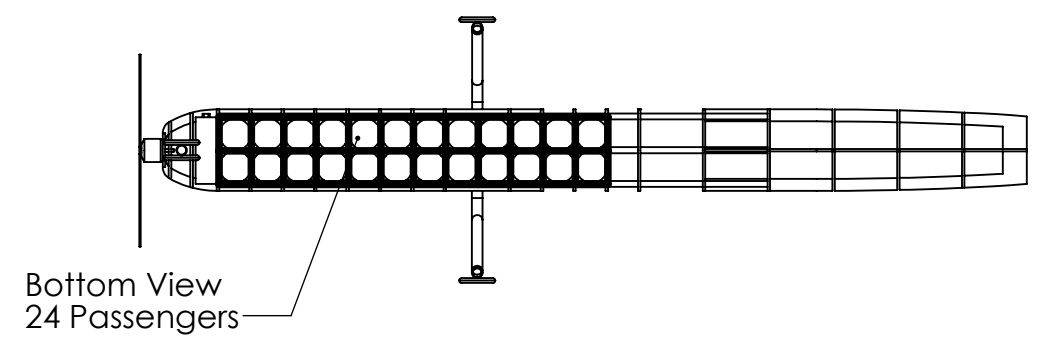
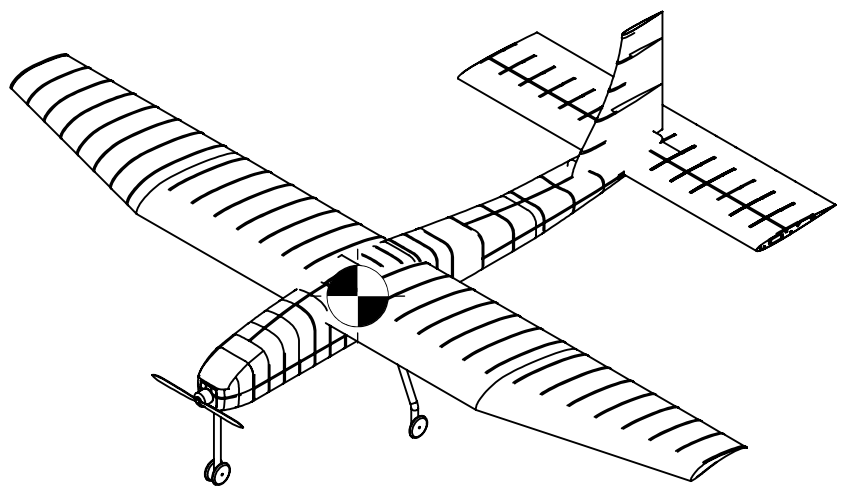
SAE Aero West Competition Plane

SCALE: 1:24 University of Tulsa SHEET 1 OF 1

Dimensions in inches

Motor Model	Turnigy SK3 Aerodrive 5045
Motor KV	500KV
Propeller	APC 14x7
Battery Capacity	3000mah

Wingspan (Width)	120 +/- 1.0"
Length	84.4 +/- 0.5"
Height	32.6 +/- 1.0"
Empty Weight	17lbs +/- 1.0lb
Max Weight	32lbs +/- 2.0lbs
Luggage weight	12lbs +/- 1.0lb
Passengers	24 (3.07 +/- .02 lbs)



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