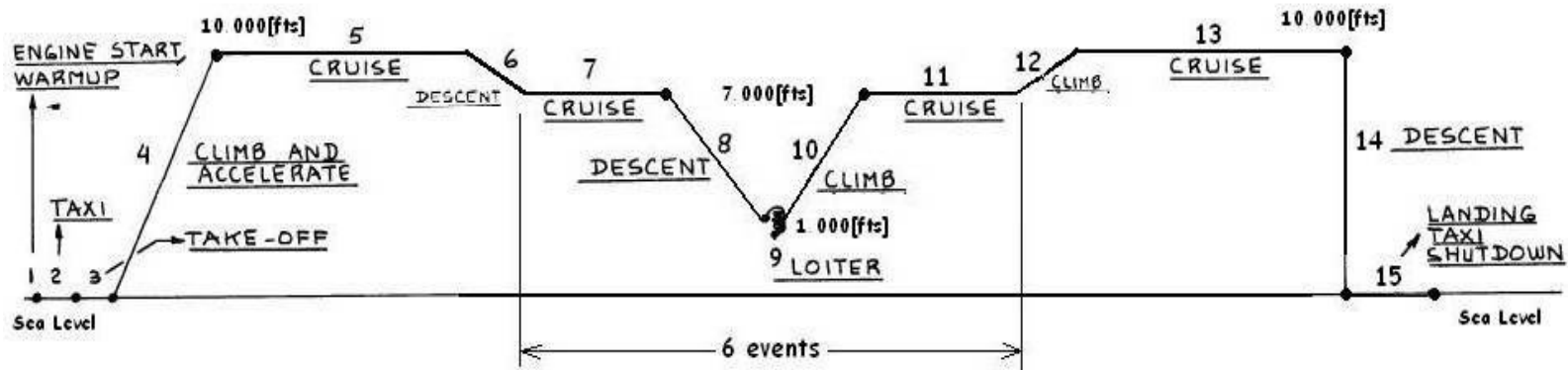


ANCORD UAV Mission Specification

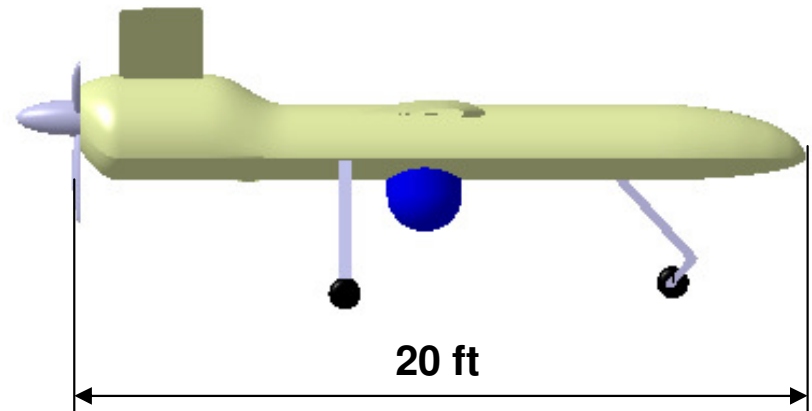
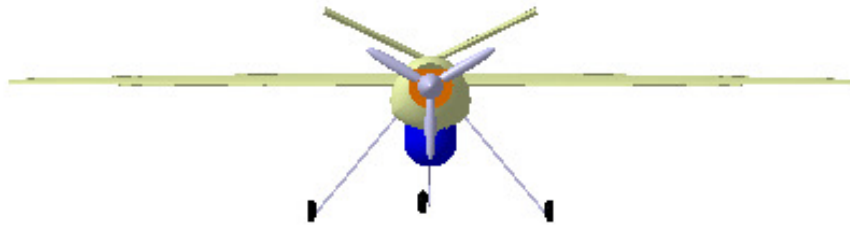
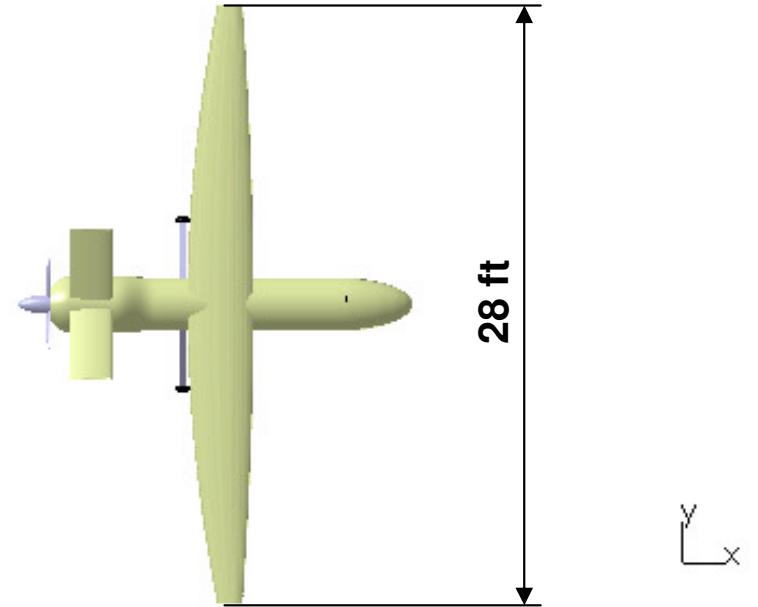
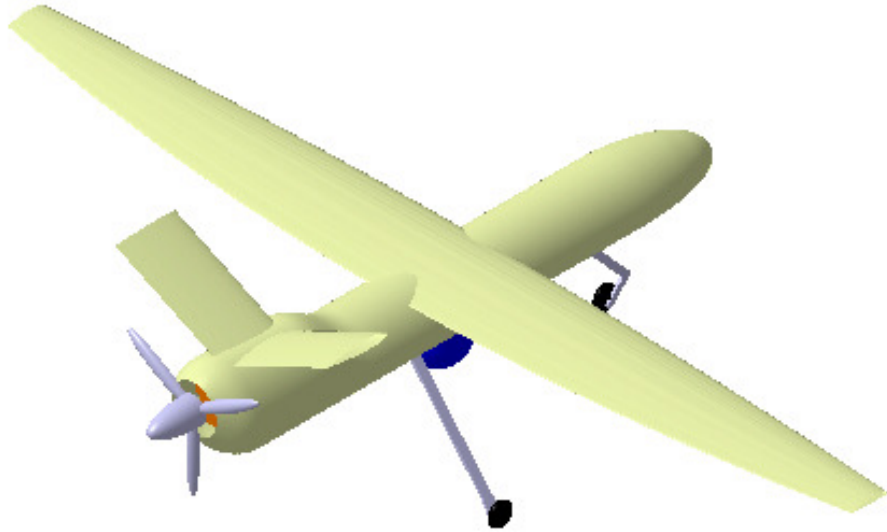


Climb and Descent rate = 1.000 [fts/min]
 Event time = 2.0 [hrs]
 Identification time = 10 [min]

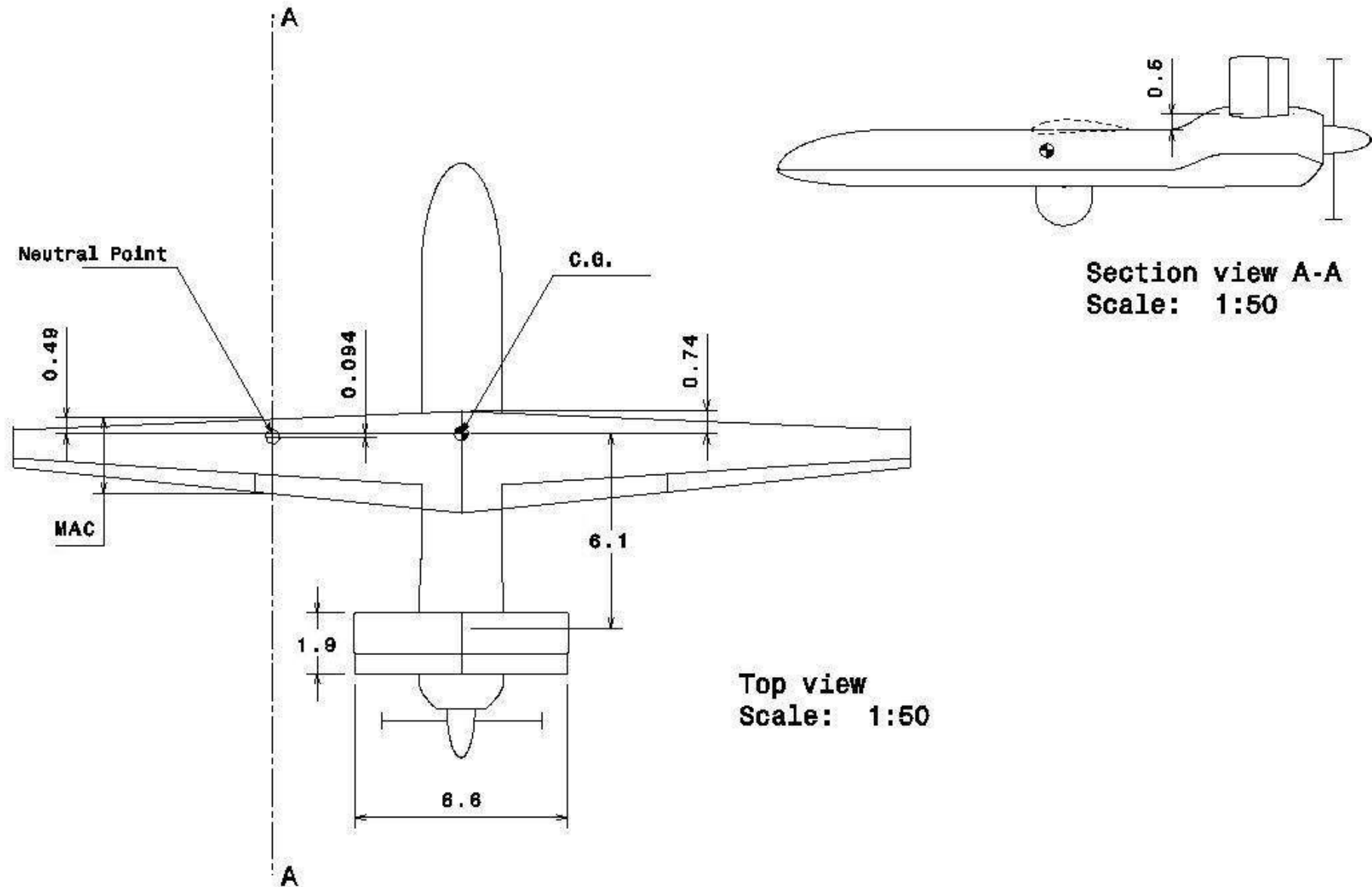
Payload	219.7 [lbs]
Range	371.3 [nm]
Altitude	bop 10000 [fts] / op 7000 [fts] / ltr 1000 [fts]
Cruise Speed	173,1 [knots] → 199 [mi/h]
Loiter Speed	112,5 [knots] → 129.41 [mi/h]
Climb rate	1000 [fts/min]
Take-off and landing	1000 [ft] (sea level)
Powerplants	Piston/Propeller
Pressurization	None
Certification base	FAR 23



ANCORD UAV Preliminary Design



ANCORD UAV Static Longitudinal Stability



Section view A-A
Scale: 1:50

Top view
Scale: 1:50