

International Formula One Inspection Sheet 5 Performed at the Reno Air Races



Race # 17

Date: Sep 10, 2022

Owner [REDACTED]

Reg. # N45889

AC Name Annie

Empty Weight

Main Gear: Left: 310.0 Right: 288.0 Tail: 29.0

Oil Volume Qts = 5.5 x 1.9 = Oil Weight Calc 10.45

Fuel Volume Qts = 3 x 6 = Fuel Weight Calc 18

Empty Weight = Calc 598.6 (Less Oil) (500 Lbs Minimum)

Gross Weight

Main Gear: Left: 399.0 Right: 327.0 Tail: 69.0

Fly Weight = Calc 813.0 (Including Gas and Oil)

Pilot Weight 203.0 (160 Lbs Minimum)

Mean Aerodynamic Chord (MAC) Calc 55.00 Root 55.00 Tip 55.00

$$MAC = \frac{2R}{3} \left(\frac{1+K+K^2}{1+K} \right) \quad K = \text{Tip} / \text{Root} \quad R = \text{Root}$$

Dimensions

Main to Tail (+ aft) 147.50

Main to MAC L. E. (+ve aft, -ve fwd) -1.13

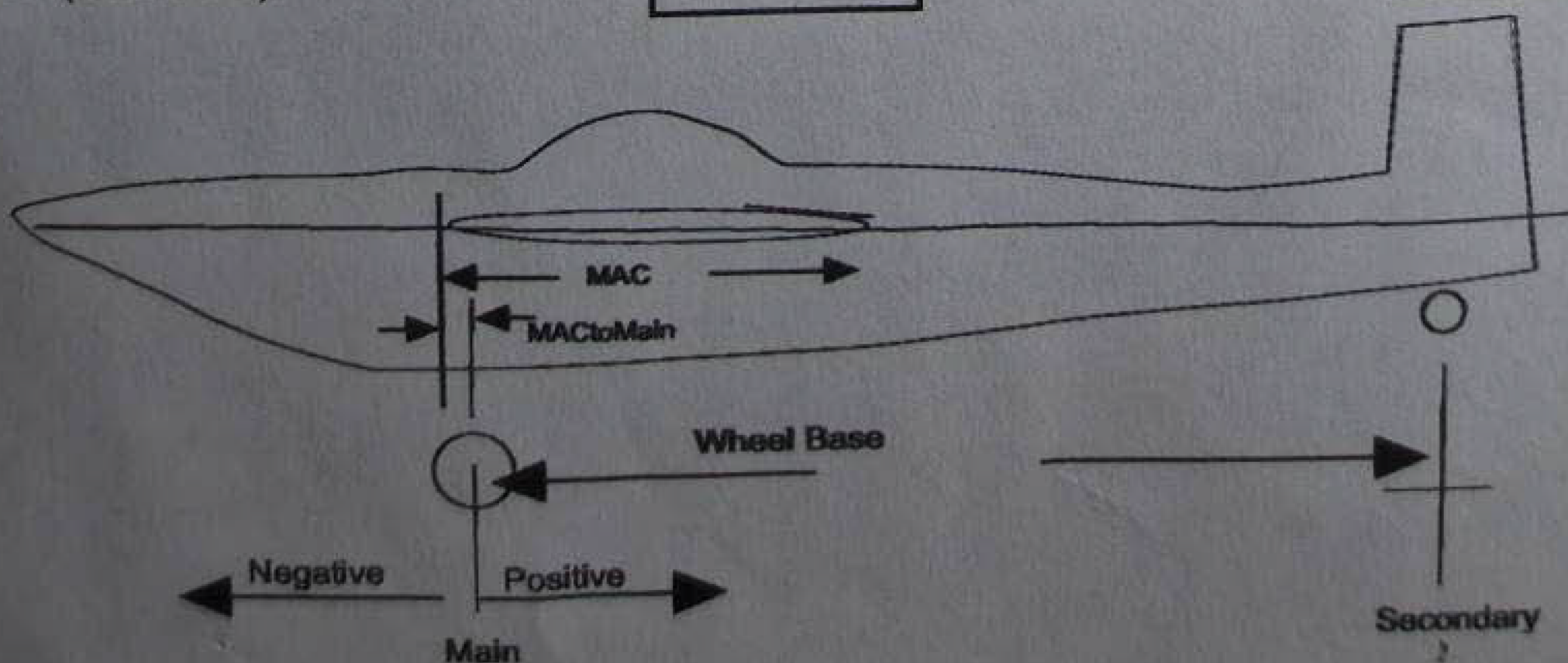
Main to CG (inches) Calc 12.52

CG = Tail Weight / Fly Weight x Wheel Base

MAC L.E. to CG (inches) Calc 13.64

%MAC Calc 24.81

IF1 Limits
8% to 25% MAC



Tech Crew Names _____