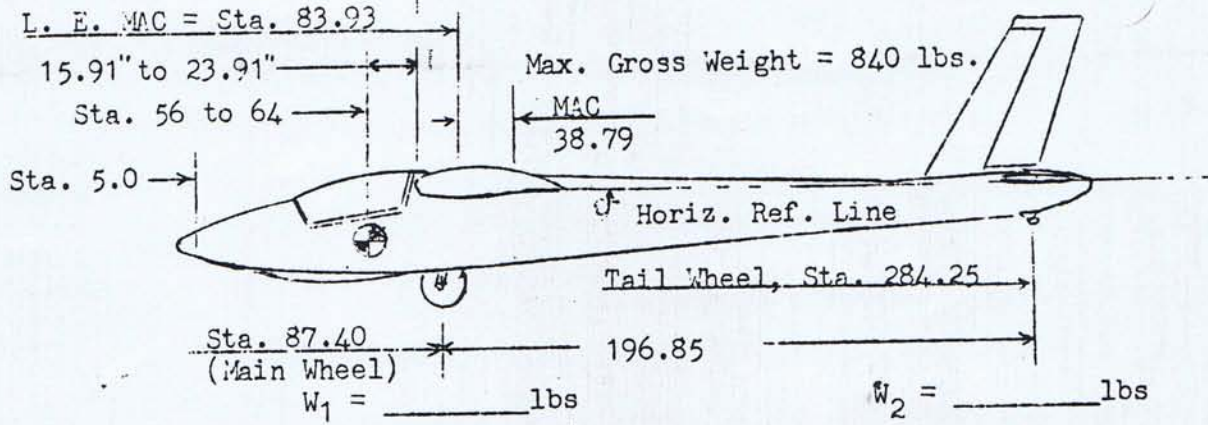


WEIGHT AND BALANCE

MODEL: SGS 1-34R SER. NO. _____ REG. NO. _____ CG LIMITS: 30% to 40% MAC, or
Datum = Sta. 79.91 (Wing L. E. at Root) Sta. 95.57 to 99.45,
 or, 15.66 to 19.54 Aft Datum



Empty Weight = $W_1 + W_2 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ lbs
 (Empty Weight includes equipment as listed on I-4558-2)

C. G. Empty = $\frac{W_2 \times 196.85 + 87.40}{W_1 + W_2} = \underline{\hspace{2cm}} \times 196.85 = \underline{\hspace{2cm}} + 87.40 = \underline{\hspace{2cm}}$

Step 1. Minimum Weight Pilot (Seat Fwd) = $\frac{(C.G. \text{ Empty} - 99.45) \times \text{Empty Weight}}{43.45} = \underline{\hspace{2cm}}$ lbs

Step 2. Minimum Weight Pilot (Seat Aft) = $\frac{(C.G. \text{ Empty} - 99.45) \times \text{Empty Weight}}{35.45} = \underline{\hspace{2cm}}$ lbs

Step 3. Maximum Wt. Pilot = Max. Gross Wt. - Empty Weight = 840 - $\underline{\hspace{2cm}}$ = $\underline{\hspace{2cm}}$ lbs

Step 4. Maximum Weight Pilot (Seat Fwd) = $\frac{(C.G. \text{ Empty} - 95.57) \times \text{Empty Weight}}{39.57} = \underline{\hspace{2cm}}$ lbs

Step 5. Maximum Weight Pilot (Seat Aft) = $\frac{(C.G. \text{ Empty} - 95.57) \times \text{Empty Weight}}{31.57} = \underline{\hspace{2cm}}$ lbs

Placard Limits: Min. Wgt. Pilot (Use Lwr. Wgt. from Step 1 or 2) = $\underline{\hspace{2cm}}$ lbs
 Max. Wgt. Pilot (Use Lwr. Wgt. from Step 3, 4, or 5) = $\underline{\hspace{2cm}}$ lbs

Calculated by _____ Date _____
 Checked by: _____ Date _____

WEIGHT AND BALANCE, SGS 1-34R

Serial No. _____ Reg. No. _____

The Empty Weight listed on I-4558-1 includes the following equipment:

Date: _____

| Item | Equipment | Weight | Arm | Moment |
|-----------|--------------------------------|--------|-------|--------|
| REQUIRED: | | | | |
| 1. | Airspeed Indicator | 1.00 | 34.00 | 34 |
| 2. | Altimeter | 1.00 | 34.00 | 34 |
| 3. | Magnetic Compass | 1.00 | 34.00 | 34 |
| () | Fixed Ballast on Nose Bulkhead | | 5.00 | |
| OPTIONAL: | | | | |