

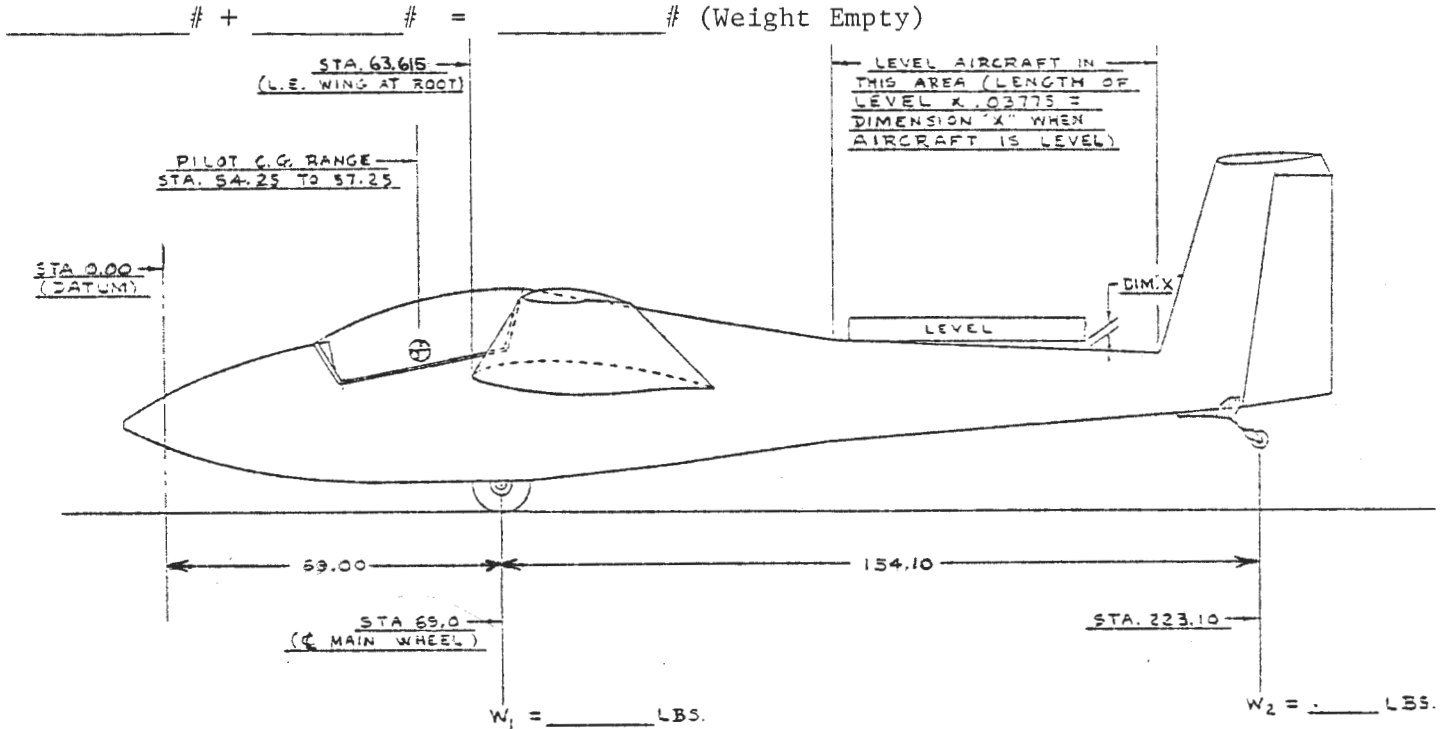
WEIGHT & BALANCE, SGS 1-36 _____

SERIAL NO. _____

REGISTRATION NO. _____

Allowable center of gravity (C. G.) range (aircraft loaded) is between Stations 76.96 and 82.71 or 25% to 40% mean aerodynamic chord (MAC)
 L.E. MAC is Sta. 67.382 (MAC 38.32 in.)
 Max. Gross Weight = 710 lbs.

$W_1 + W_2 =$ Weight Empty (w/equipment as listed on Sheet 2)



Step 1: $\frac{W_1 \times 69 + W_2 \times 223.1}{W_1 + W_2} =$ Aircraft C. G. (Empty)

$\frac{\text{#} \times 69 + \text{#} \times 223.1}{\text{#} + \text{#}} =$ Sta. _____ " Aircraft (Empty)

Step 2: $\frac{W_1 \times 69 + W_2 \times 223.1 + \text{Pilot Wt.} \times \text{Pilot C. G.}}{W_1 + W_2 + \text{Pilot Weight}} =$ Aircraft C. G. (Loaded)

$\frac{\text{#} \times 69 + \text{#} \times 223.1 + \text{#} \times \text{#}}{\text{#} + \text{#} + \text{#}} =$ Sta. _____ " Aircraft C.G. (Loaded)

Step 3: Min. Pilot Wt.: $\frac{(\text{C. G. Empty} - 82.71) \times \text{Empty Weight}}{82.71 - \text{Pilot C.G.}} =$ Min. Pilot Weight

$\frac{(\text{#} - 82.71) \times \text{#}}{82.71 - \text{#}} =$ # (Min. Pilot Weight)

Step 4: Max. Pilot Wt: $710 - \text{Empty Weight} =$ Max. Pilot Weight
 $710 - \text{#} = \text{#}$ Max. Pilot Weight

Placard Limits:

Min. Wt. Pilot from Step 3) _____
 Max. Wt. Pilot (Use Wt. from Step 4) _____

Wt. & Bal. Calc. by: _____ Date _____

Wt. & Bal. Checked by: _____ Date _____

AFT WHEEL POSITION

WEIGHT & BALANCE, SGS 1-36 _____ SERIAL NO. _____ REGISTRATION NO. _____

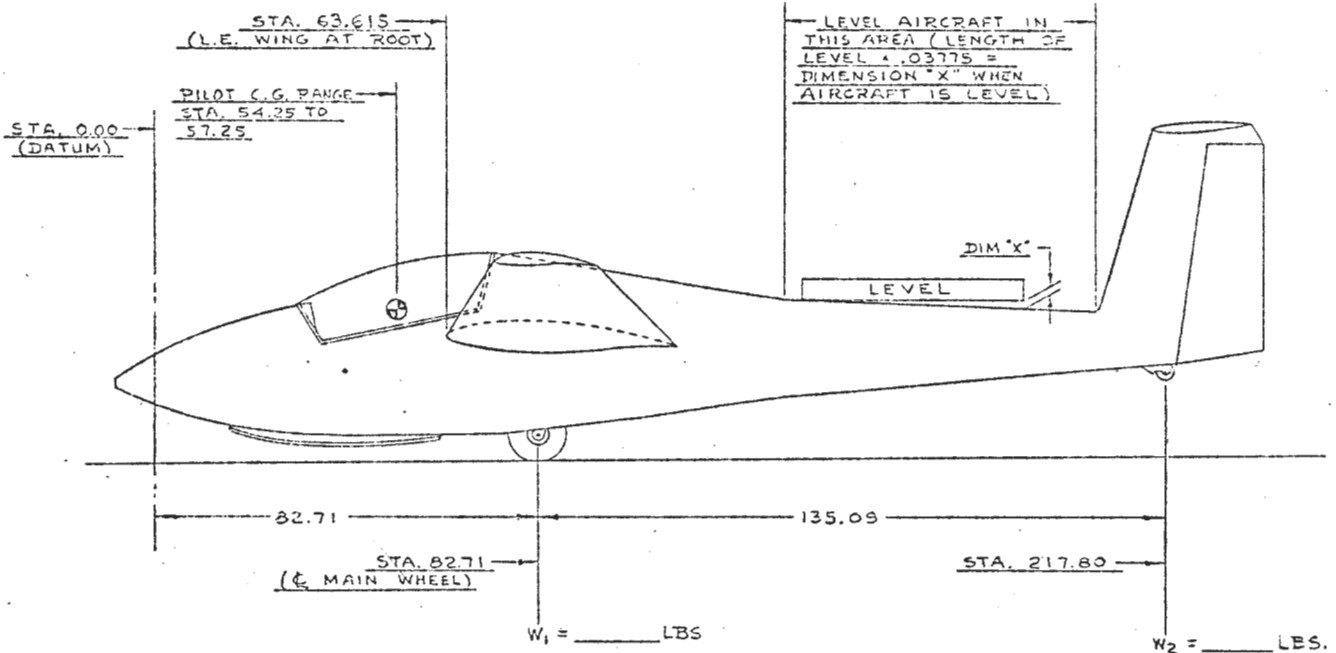
Allowable center of gravity (C.G.) range (Aircraft loaded) is between Stations 76.96 and 82.71 or 25% to 40% mean aerodynamic chord (MAC)

L.E. MAC is Sta. 67.382 (MAC 38.32 in.)

Max. Gross Weight = 710 lbs

$W_1 + W_2 =$ Weight Empty (w/equipment as listed on Sheet 2)

_____ # + _____ # = _____ # (Wt. empty)



Step 1: $W_1 \times 82.71 + W_2 \times 217.80 =$ Aircraft C.G. (empty)

$$\frac{W_1 + W_2}{\# \times 82.71 + \# \times 217.80} = \text{Sta.} \text{_____ (Aircraft C.G. empty)}$$

Step 2: $W_1 \times 82.71 + W_2 \times 217.8 + \text{Pilot Weight} \times \text{Pilot C.G.} =$ Aircraft C.G. (Loaded)

$$\frac{W_1 + W_2 + \text{Pilot Weight}}{\# \times 82.71 + \# \times 217.8 + \# \times \text{Pilot C.G.}} = \text{Sta.} \text{_____ (Aircraft C.G. loaded)}$$

Step 3: Min. Pilot Wt: $\frac{(\text{C.G. Empty} - 82.71) \times \text{Empty Weight}}{82.71 - \text{Pilot C.G.}} =$ Min. Pilot Weight

$$\frac{(\text{_____} - 82.71) \times \#}{82.71 - \text{Pilot C.G.}} = \#$$

Step 4: Max. Pilot Wt: $710 - \text{Empty Weight} =$ Max. Pilot Wt.

$$710 - \# = \# \text{ Max. Pilot Wt.}$$

Placard Limits:
 Min. Wt. Pilot from Step 3 _____
 Max. Wt. Pilot (Use Wt. from Step 4) _____

Wt. & Bal. Calc. by: _____ Date _____
 Wt. & Bal. Checked by: _____ Date _____

SCHWEIZER AIRCRAFT CORP.
Elmira, New York 14902

Date _____

SGS 1-36 _____

Serial No. _____

Reg. No. N- _____

The Empty Weight as listed on Sheet 1 includes the following equipment:

Item No.	Equipment	Weight	Arm	Moment
<u>Required:</u>				
1.	Air Speed Indicator	1.00	34.00	34
2.	Sensitive Altimeter	1.25	34.00	42
3.	Magnetic Compass	1.00	34.00	34
<u>Optional:</u>				
<p>Issued: 6-5</p>				