

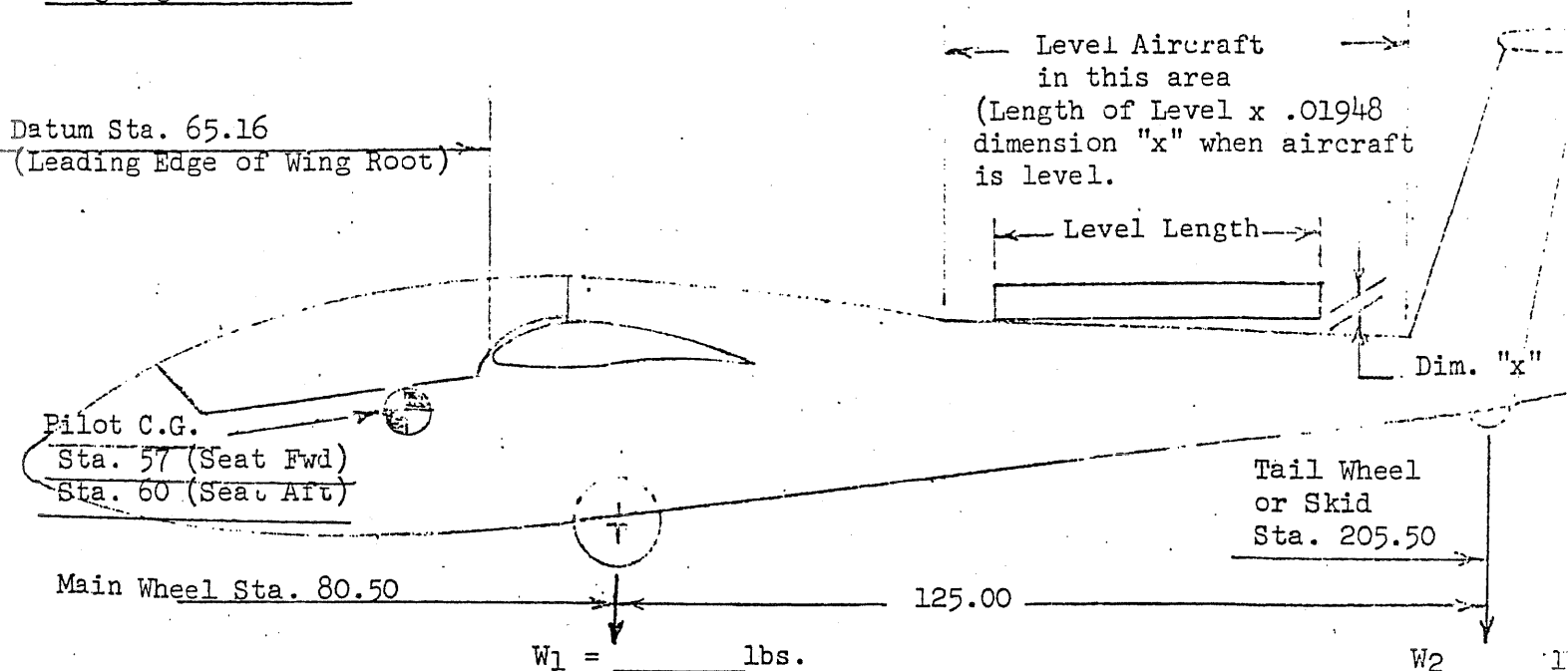
WEIGHT AND BALANCE

MODEL: SGS 1-35C T.C. G4EA

SER. NO. _____

C.G. Limits High Performance: (Sta. 76.09 (28.0% MAC - Fwd Limit)
 (Sta. 78.90 (38.5% MAC - Aft Limit))

Weighing Procedure:



B. Empty Weight: $W_1 + W_2 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$ lbs.

C. C.G. Empty: $CG_E = \frac{(W_2 \times 125.0) + 80.50}{W_E} = \frac{\underline{\hspace{2cm}} \times 125.0 + 80.50}{(\underline{\hspace{2cm}})} = \text{Sta. } \underline{\hspace{2cm}}$

D. Computation of Maximum Pilot Weight (W_P max.) & Minimum Pilot Weight (W_P min.)

W_P max. based on pilot C.G. @ Sta. 60.0 (seat aft)

W_P min. based on pilot C.G. @ Sta's 57.0 (seat fwd) and 60.0 (seat aft.)

W_P max. = Gross Weight - W_E

See Note A. = 685 -

a. W_P max. = 660 - $\underline{\hspace{2cm}}$ = $\underline{\hspace{2cm}}$ lbs.

b. W_P max. = $\frac{(CG_E - 76.09) \times W_E}{(76.09 - 60.00)} = \frac{(\underline{\hspace{2cm}} - 76.09) \times (\underline{\hspace{2cm}})}{16.09} = \underline{\hspace{2cm}}$ lbs.

a. W_P min. @ sta 57 = $\frac{(CG_E - 78.90) \times W_E}{(78.90 - 57.00)} = \frac{(\underline{\hspace{2cm}} - 78.90) \times (\underline{\hspace{2cm}})}{21.90} = \underline{\hspace{2cm}}$ lbs.

b. W_P min. @ sta 60 = $\frac{(CG_E - 78.90) \times W_E}{(78.90 - 60.00)} = \frac{(\underline{\hspace{2cm}} - 78.90) \times (\underline{\hspace{2cm}})}{18.90} = \underline{\hspace{2cm}}$ lbs.

E. Pilot Weight Limitations

W_P max. = $\underline{\hspace{2cm}}$ lbs. (Lesser of 1.a. and 2.a.); W_P min. Seat Fwd (sta. 57.0) $\underline{\hspace{2cm}}$ lbs.
 W_P min. Seat Aft (sta. 60.0) $\underline{\hspace{2cm}}$ lbs.

Calculated By _____ Date _____ Checked By _____ Date _____

NOTES: A. Gross Weight of 685 lbs. in High Performance Category is approved for aircraft having wing panels weighing 124 lbs. each, or greater.

WING PANEL WEIGHTS - REFERENCE: L.H. Panel $\underline{\hspace{2cm}}$ lbs.; R.H. Panel $\underline{\hspace{2cm}}$ lbs.

B. The empty weight shown in B. above, includes the Required and Optional Equipment items listed on I-4636-3C (The next sheet)

Schweizer Aircraft Corporation
Elmira, New York 14902

Form I-4636-3C
4/74
Rev. 1/75, Rev. 6/76
Rev. 3/78

WEIGHT AND BALANCE, SGS 1-35 _____ Serial No. _____ Reg. No. _____

The Empty Weight listed on I-4636-1 includes the following equipment:

Date: _____

Item	Equipment	Weight	Arm	Moment
	REQUIRED:			
1.	Airspeed Indicator	1.00	38.00	38
2.	Altimeter	1.25	38.00	47
3.	Magnetic Compass	1.00	27.00	27
4.	Outside Air Temperature Gage (SGS 1-35 & SGS 1-35A only)	1.25	38.00	47
	OPTIONAL:			