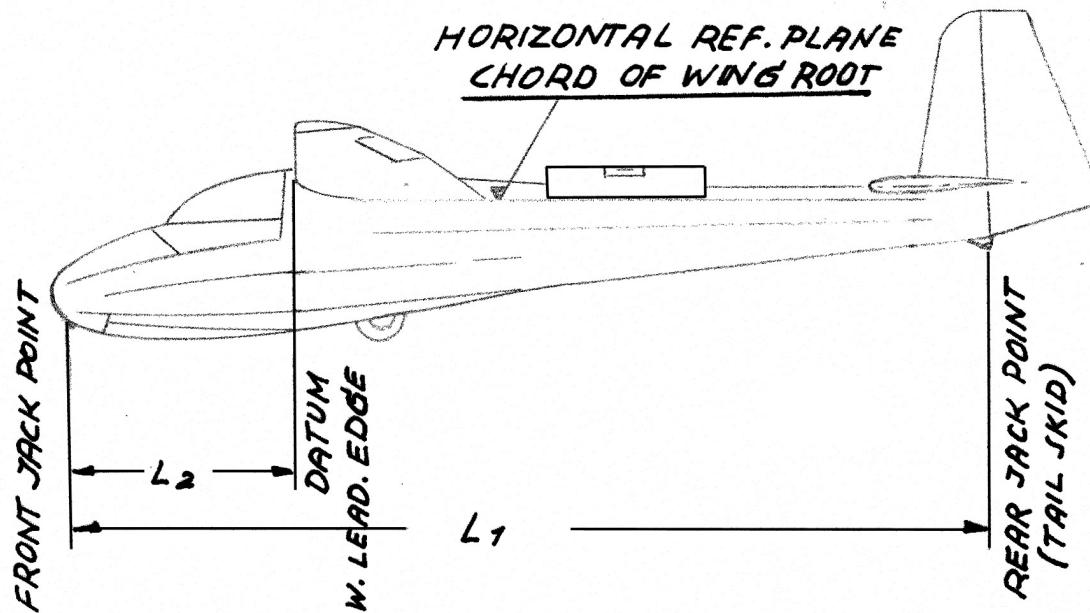


WEIGHT AND BALANCE

LEVEL THE FUSELAGE AND WING TIPS
(WING TIPS WITHOUT ANY LOAD)



DETERMINATION OF EMPTY WEIGHT C.G.:

WE. = EMPTY WEIGHT

WT.S. = TAIL SKID WEIGHT

$$\frac{WT.S. \cdot L_1}{WE.} - L_2 = \text{CENTER OF GRAVITY (AFT OF DATUM)}$$

TRIMMING

WITH PILOT WEIGHTS OF MORE THAN 132 LBS. TRIMMING IS NOT REQUIRED.

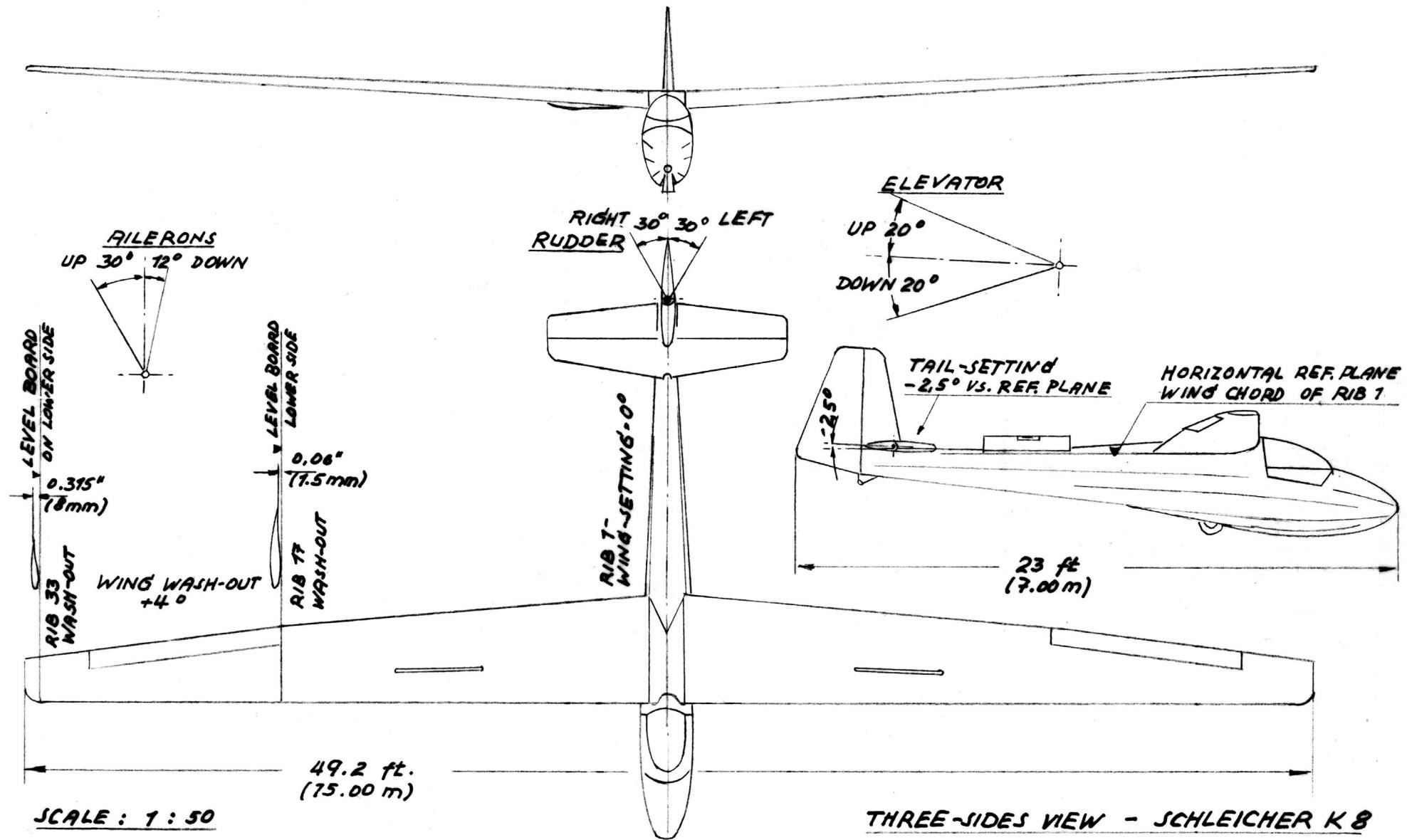
PILOTS OF LESS WEIGHT HAVE TO USE LEAD-CUSHIONS.

APPROVED EMPTY WEIGHT C.G. LOCATIONS:

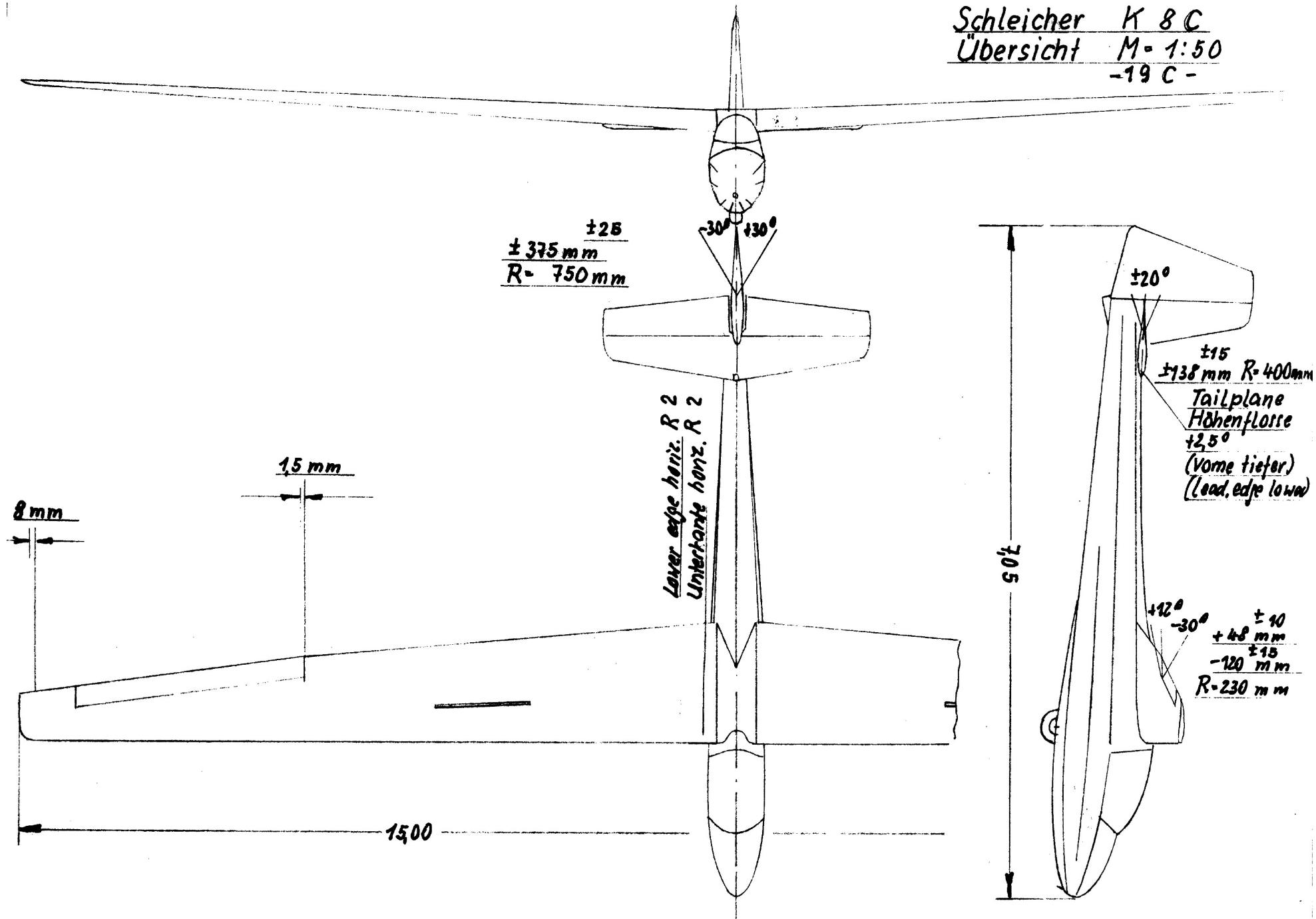
EMPTY WEIGHT :	397	419	441	463	ZBS.
EMPTY WEIGHT C.G. :	25.7	25.7	24.6	23.9	inches $\pm 1.2''$

(AFT OF DATUM (W. LEADING EDGE))

SCHLEICHER K 8

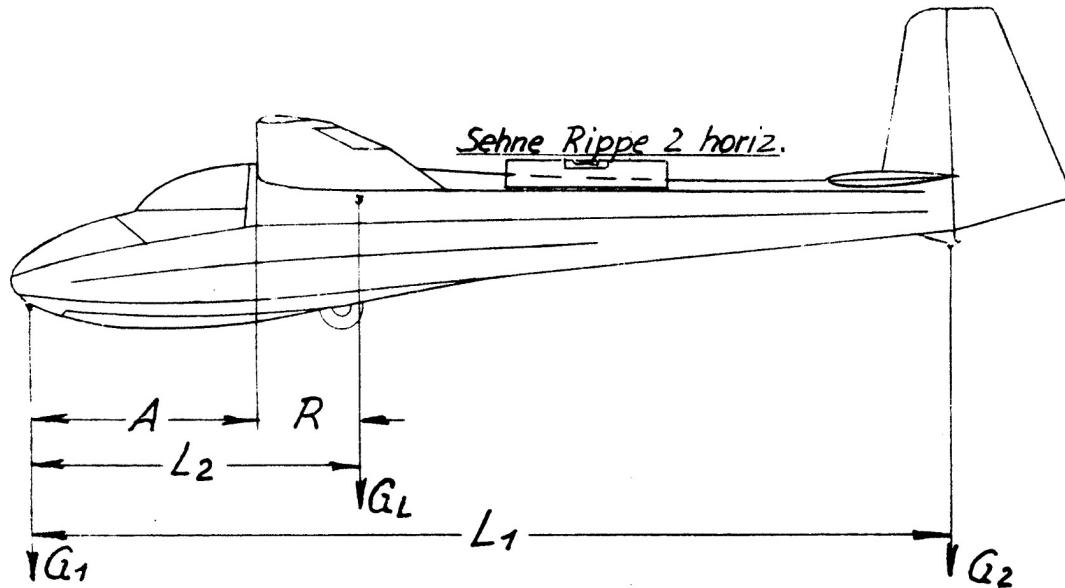


Schleicher K 8 C
Übersicht M = 1:50
-19 C -



(Siehe auch Arbeitsblatt 051)

-20-

 G_L = Leergewicht; empty weight G_1 = Gewicht am Starthaken;
weight at bungee launch hook G_2 = Sporngewicht; weight at tail skidR = Schwerpunkt rücklage;
center of gravity position.TrimmpplanBis 65kg Führergewicht
kein Trimmgewicht nötig.Until 65kg weight of pilot
no Ballast necessary.Leichtere Piloten müssen
Blei kissen benutzen.Pilots of less weight have
to use lead-cushions. G_L = Leergewicht; empty weightR = Schwerpunktlage; C. of Gr. position

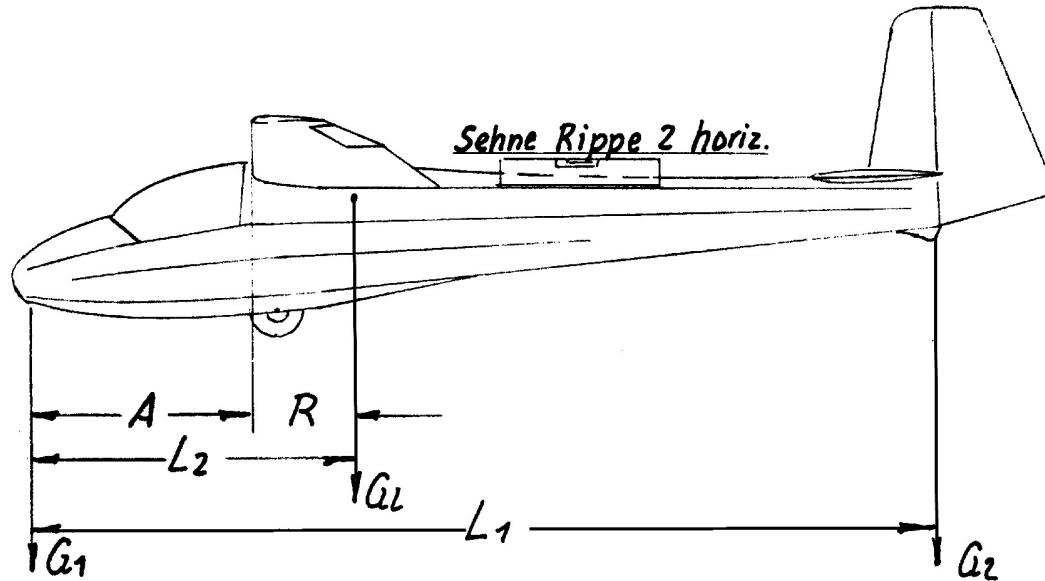
	180	190	200	210	kg	220
	664	650	637	625	mm ± 35	614

hinter Flügelvorderkante
behind wing leading edge.

erweitert: 13.06.96 GW/Juw

(Siehe auch Arbeitsblatt 051)

-20 C -



$$R = L_2 - A = \frac{G_2 \cdot L_1}{G_L} - A$$

$$G_1 + G_2 = G_L$$

Geforderte Leergewicht-Schwerpunkt Lage:

Empty weight-C.o.G.-position:

Leergewicht; empty weight	190	200	210	220	230
Vordere SP-Lage; Most forward C.o.g.w.	603	586	569	555	541
Hinterste SP-Lage; Most rear C.o.g.w. 65kp Pilot	711	696	683	671	660
Hinterste SP-Lage; Most rear C.o.g.w. 60kp Pilot	688	675	663	652	642

G_L = Leergewicht; empty weight

G_1 = Gewicht am Starthaken;
weight at bungee launch hook

G_2 = Sporngewicht; weight at tail skid

R = Schwerpunkt rücklage;
center of gravity position.

Trimmpplan

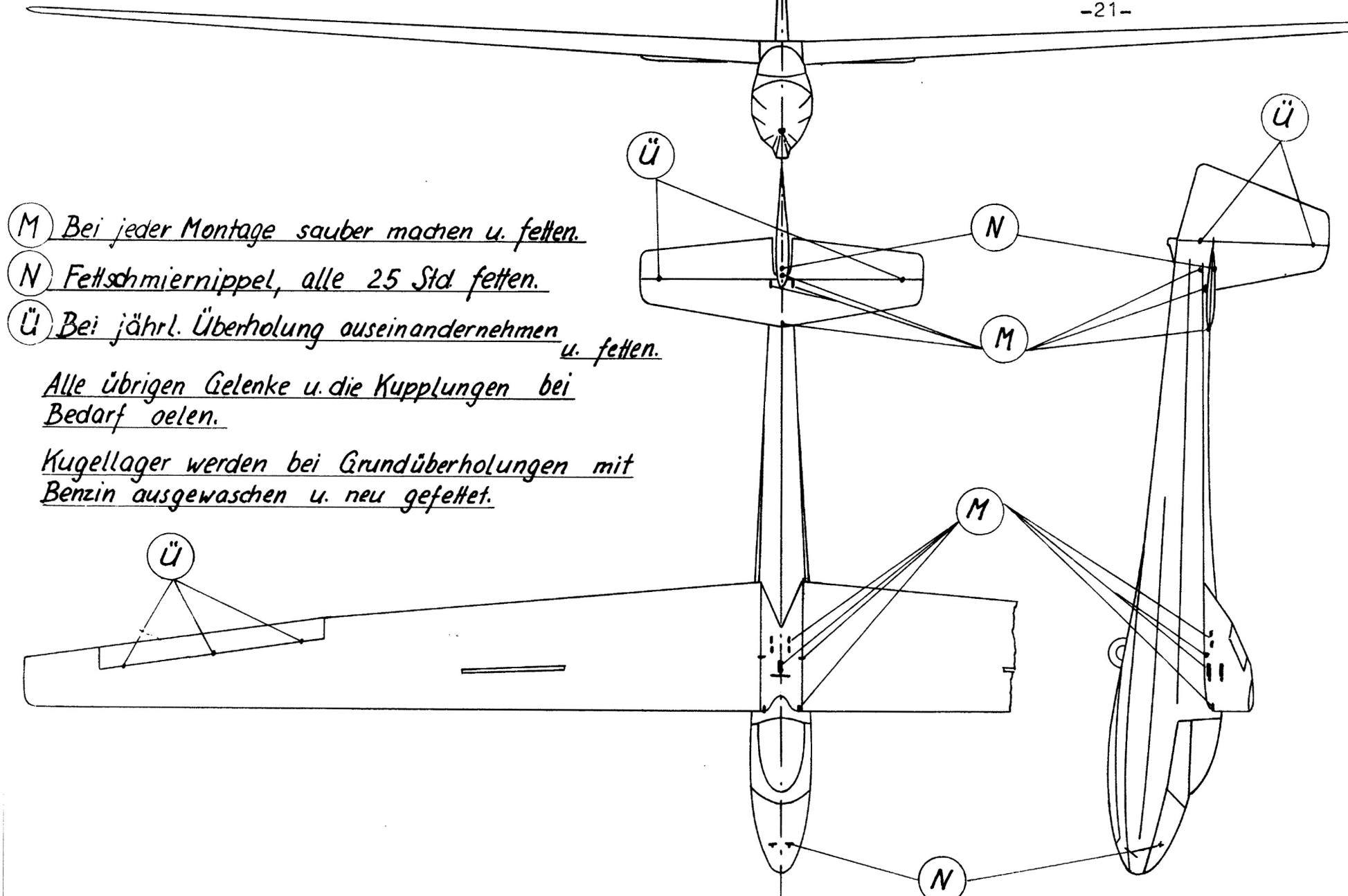
Bis 60kp Führergewicht
kein Trimmgewicht nötig

Down to 60kp weight of pilot
no Ballast necessary.

Leichtere Piloten müssen
Bleikissen benutzen.

Pilots of less weight have
to use lead-cushions.

Siehe auch Seite 10C:
Trimmpplan



Schleicher K 8 C
Schmierplan
-21 C-

