

REVISED WEIGHT & BALANCE DATA

OWNER: CARLISLE CAP FLYING CLUB INC.
P.O. BOX 275, CARLISLE, PA 17013

DATE: 8/23/96

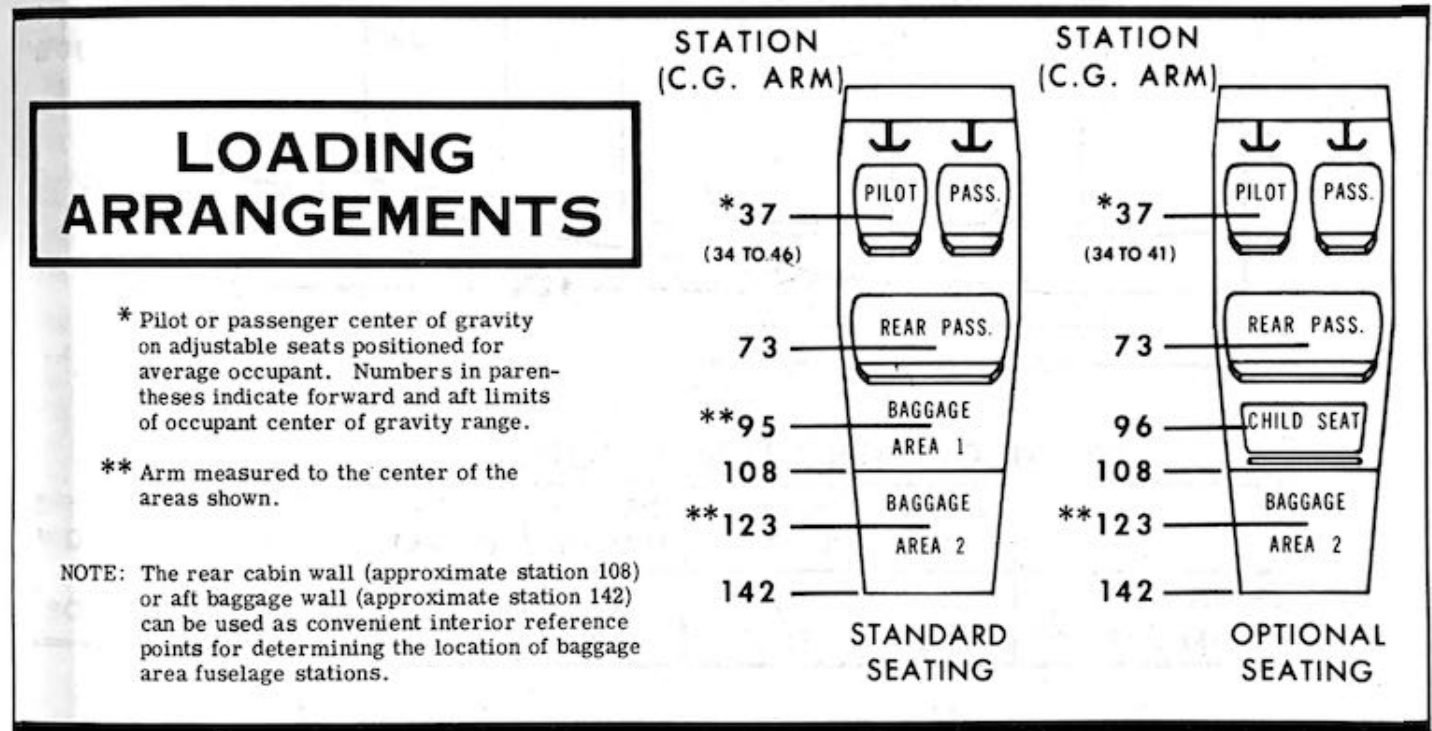
MAKE: CESSNA 172N, #N91QS

PREVIOUS DATA: EMPTY WEIGHT: 1470.19 MOMENT: 56429.07
USEFUL LOAD: 829.81#
EMPTY WT. C.G.: + 38.43"

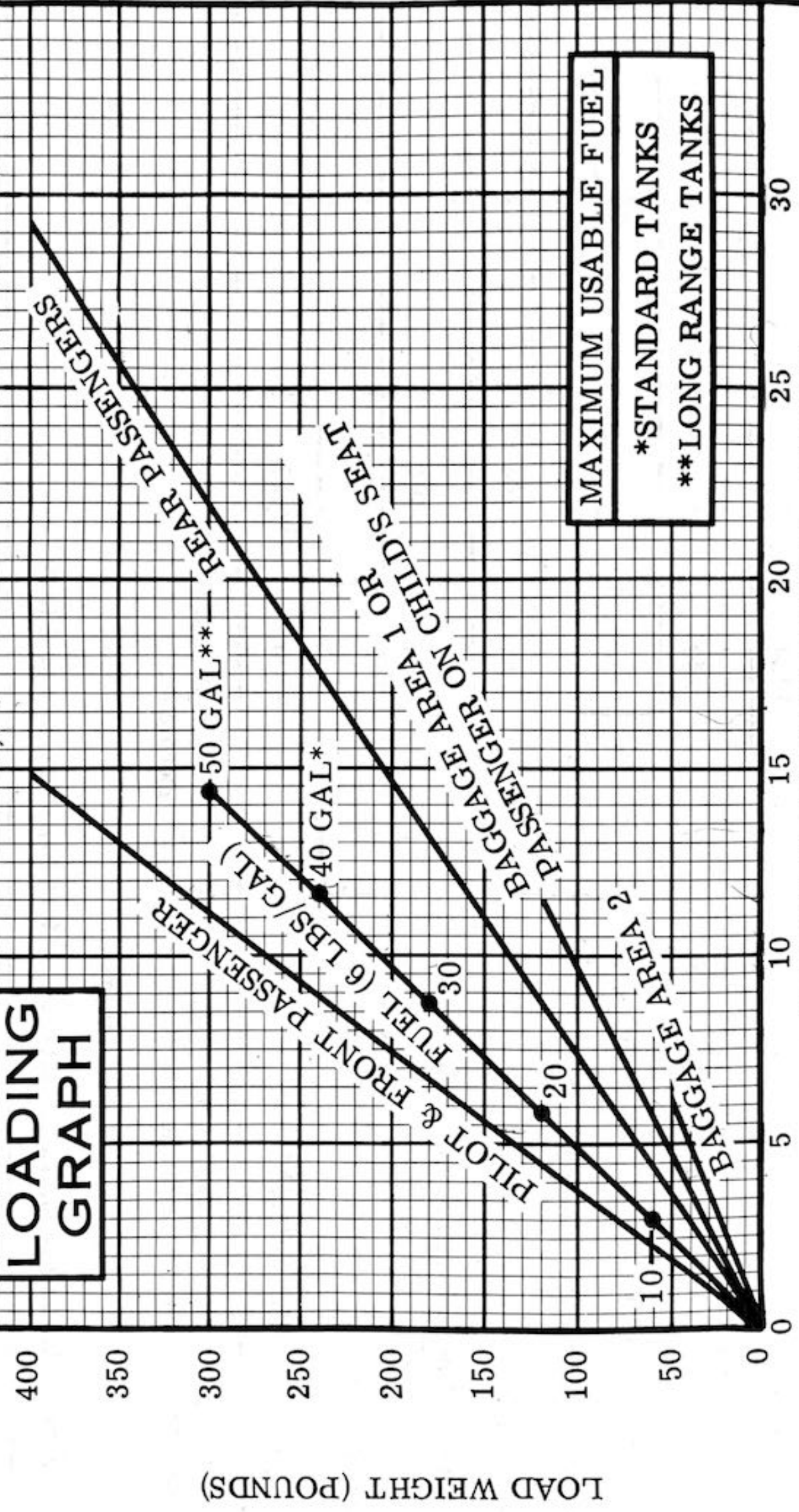
<u>ITEM</u>	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
PREV A/C WT.	1470.19#	+ 38.43"	56429.07
REMOVE 0320H2AD 0360 A4M ENGINE INSTALLED + PROP & SPACER	+16#	- 30.53"	-488.48

REVISED DATA: EMPTY WEIGHT: 1486.19#
MOMENT: 55940.59
USEFUL LOAD: 1063.81#
EMPTY WEIGHT C.G. 37.64
MAX GROSS WT 2550#

Total the weights and moments/1000 and plot these values on the Center of Gravity Moment Envelope to determine whether the point falls within the envelope, and if the loading is acceptable.



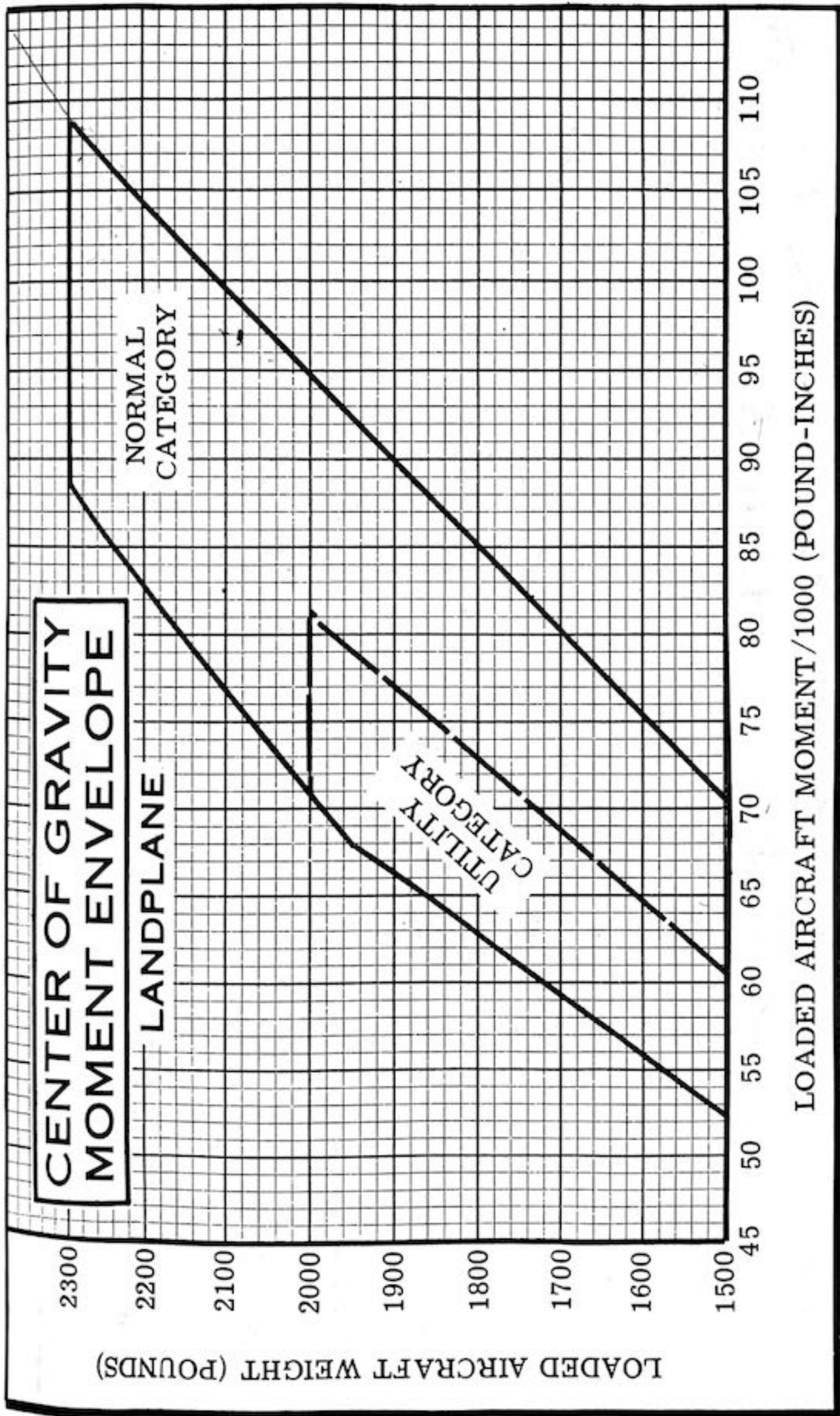
**LOADING
GRAPH**



MAXIMUM USABLE FUEL
*STANDARD TANKS
**LONG RANGE TANKS

LOAD MOMENT/1000 (POUND - INCHES)

NOTE: Line representing adjustable seats shows the pilot or passenger center of gravity on adjustable seats positioned for an average occupant. Refer to the Loading Arrangements diagram for forward and aft limits of occupant c.g. range.



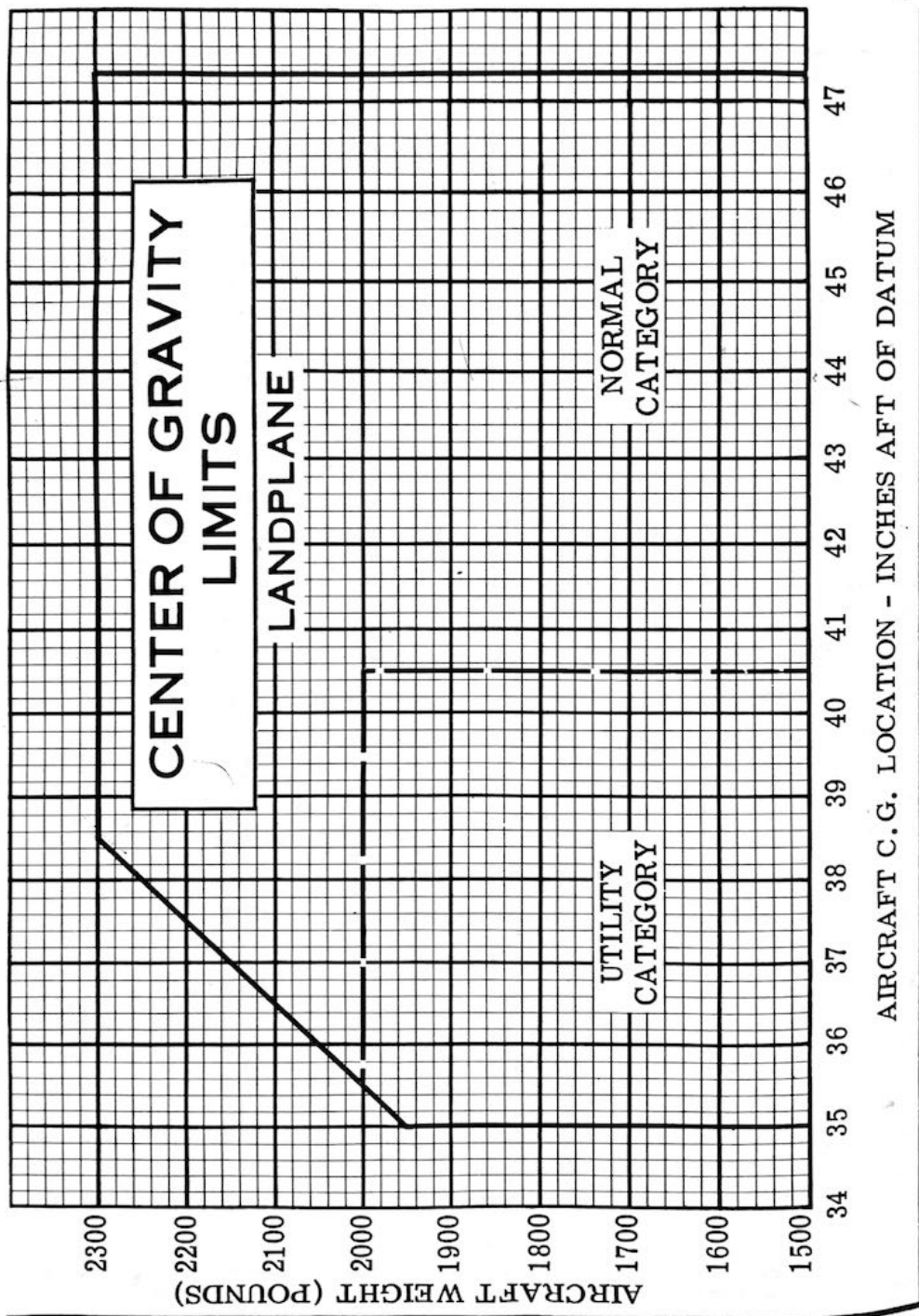


Figure 6-8. Center of Gravity Limits