

Weight and Balance Report

Make	CESSNA	Model	172M
Serial#	17264005	Reg.#	N21754
Date of scale calibration:	2018		
Aircraft gross weight:	2,300.00		

Aircraft as Weighed					
Weight Point	Scale Reading	Tare	Net Weight	Arm	Moment
Left	520.00	0.00	520.00	58.00	30,160.00
Right	520.00	0.00	520.00	58.00	30,160.00
Nose	445.00	0.00	445.00	-7.00	-3,115.00
Total As Weighed			1,485.00	38.52	57,205.00

Weight Adjustments			
Description	Weight	Arm	Moment
Total Corrected Empty Weight	1,485.00	38.52	57,205.00

Corrected Empty Weight:	1,485.00
Center of Gravity:	38.52
Useful Load:	815



Authorized Signature

A&P
Title

3867341
Cert. Number

4/27/2018
Date

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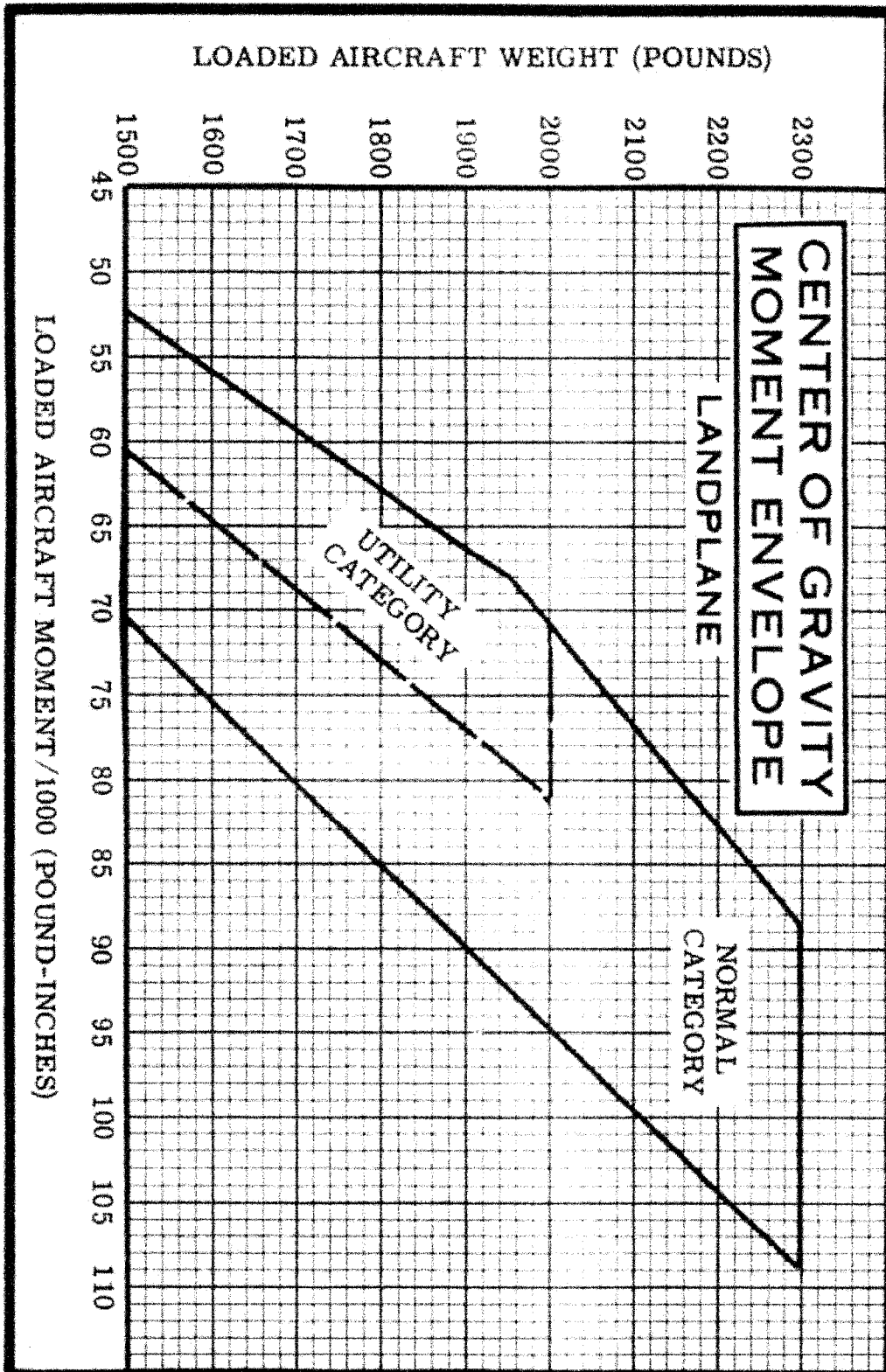


Figure 6-7. Center of Gravity Moment Envelope

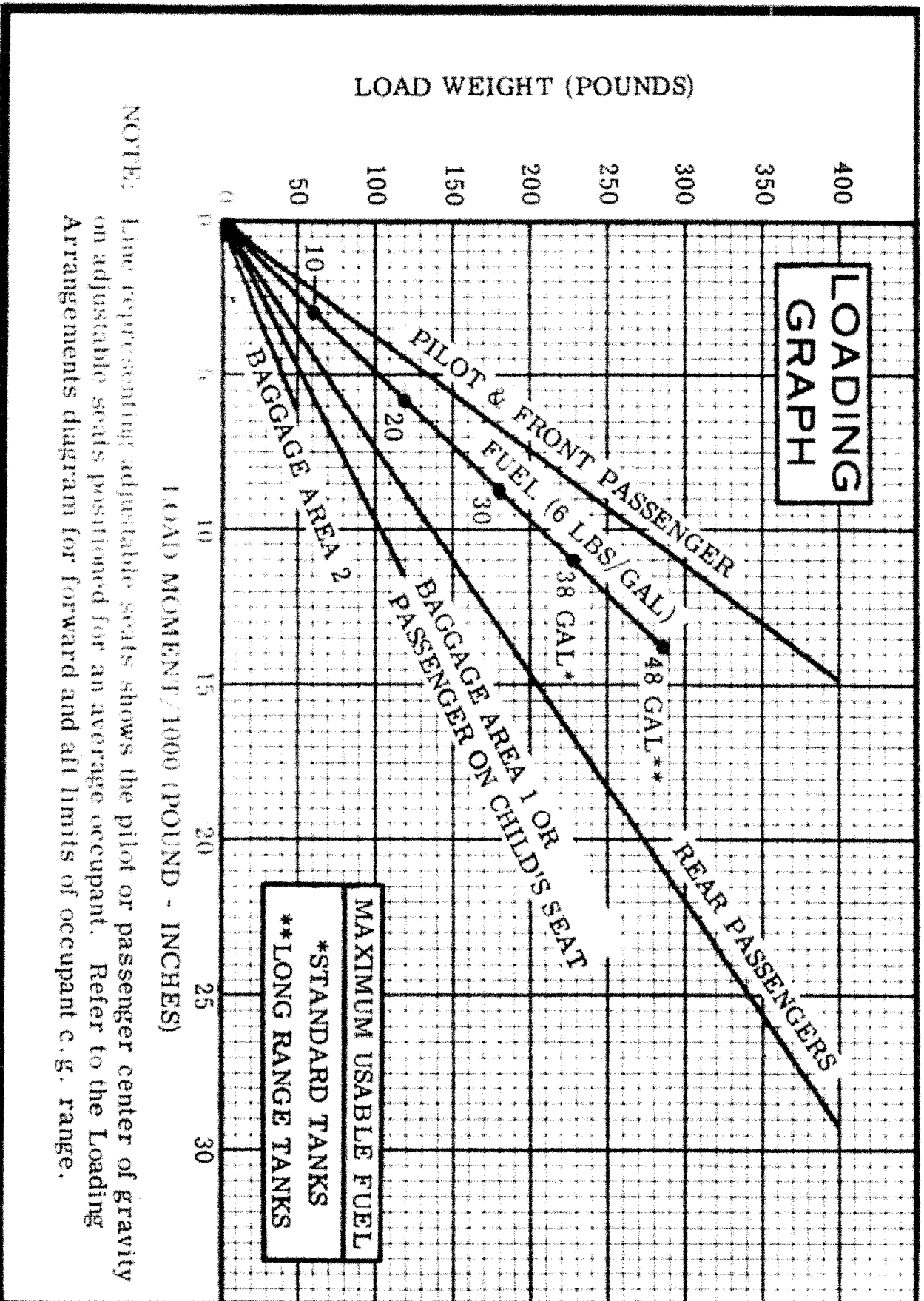
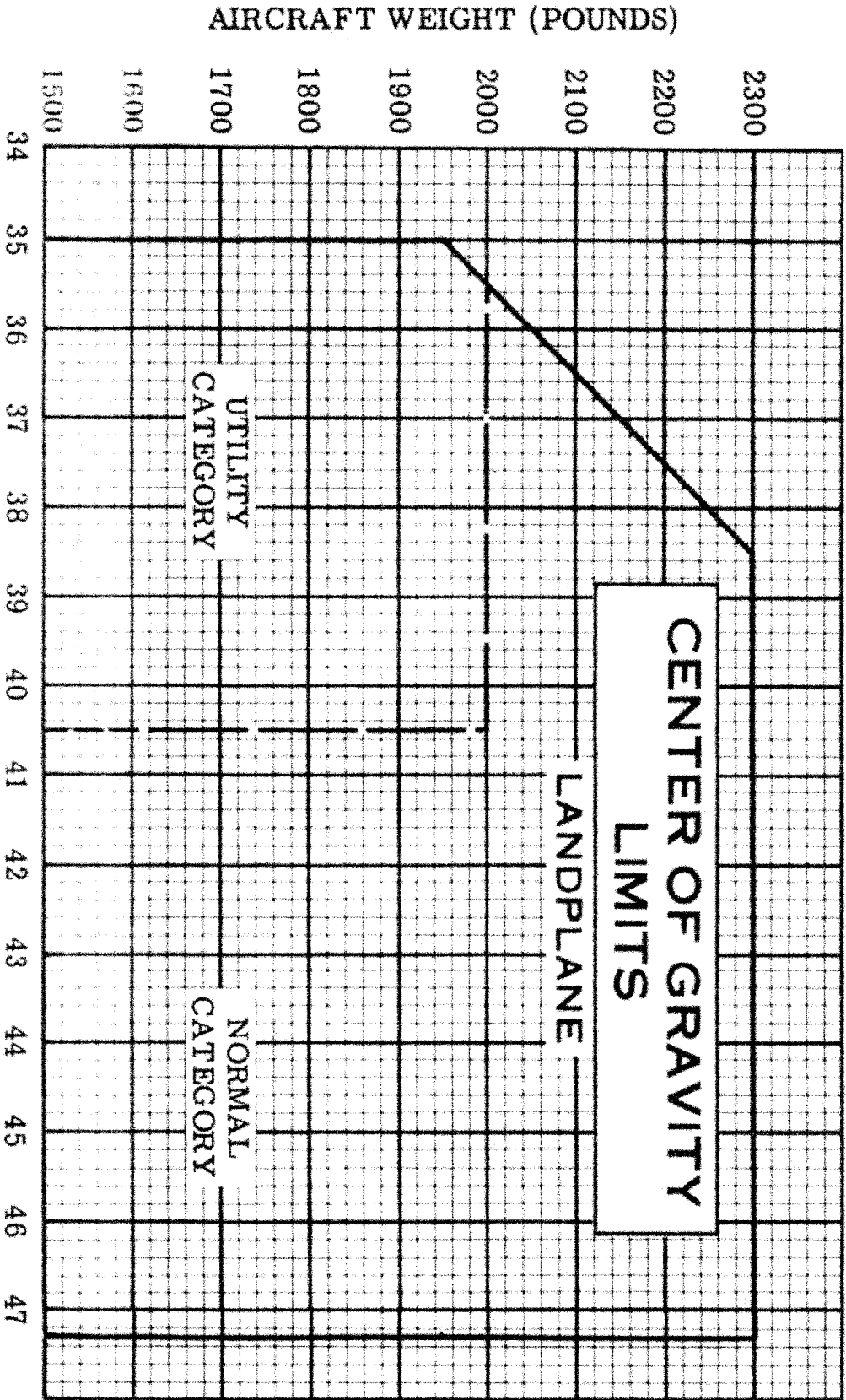


Figure 6-6. Loading Graph



AIRCRAFT C. G. LOCATION - INCHES AFT OF DATUM

Figure 6-8. Center of Gravity Limits

CESSNA
MODEL 172M

SECTION 6
WEIGHT & BALANCE/
EQUIPMENT LIST

SAMPLE LOADING PROBLEM

	SAMPLE AIRPLANE		YOUR AIRPLANE	
	Weight (lbs.)	Moment (lb.-ins. /1000)	Weight (lbs.)	Moment (lb.-ins. /1000)
1. Basic Empty Weight (Use the data pertaining to your airplane as it is presently equipped. Includes unusable fuel and full oil)	1385 1485	54.6 57.205		
2. Usable Fuel (At 6 Lbs./Gal.) Standard Tanks (38 Gal. Maximum) Long Range Tanks (48 Gal. Maximum)	228	10.9		
3. Pilot and Front Passenger (Station 34 to 46)	340	12.6		
4. Rear Passengers	340	24.8		
5. * Baggage Area 1 or Passenger on Child's Seat (Station 82 to 108) 120 Lbs. Max.				
6. * Baggage Area 2 (Station 108 to 142) 50 Lbs. Max.				
7. TOTAL WEIGHT AND MOMENT	2300	102.9		
8. Locate this point (2300 at 102.9) on the Center of Gravity Moment Envelope, and since this point falls within the envelope, the loading is acceptable.				

NOTE

* The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120 lbs.

Figure 6-5. Sample Loading Problem