

Weight and Balance Table

N3552E Cessna 172N

LOADING		WEIGHT lbs	MOMENT lbs-inch/1000
1	Basic Empty Weight Use data from the plane's current weight and balance sheet that includes unusable fuel and full oil	1498.17	58672.355
2	Useable Fuel (6lbs/Gallon) Standard Tanks 40 Gal. Maximum		
	Reduced Fuel as limited by maximum weight		
3	Pilot and Front Passenger [Stations 34-46]		
4	Rear Passenger		
5	Baggage and Equipment <u>Area 1</u> [cabin stations 82-108] 120 lbs Max (combined weight for areas 1 and 2 is 120lbs)		
6	Baggage and Equipment <u>Area 2</u> [cabin stations 108-142] 50 lbs Max (combined weight for areas 1 and 2 is 120lbs)		
7	Ramp Weight and Moment		
8	Fuel allowance for engine start, taxi, and runup		
9	TAKEOFF WEIGHT AND MOMENT (subtract 8 from 7)		
10	Locate this point on the Center of Gravity Moment Envelope. If this point falls within the envelope, the loading is acceptable.		
*The maximum allowable combined weight capacity for baggage areas 1 and 2 is 120lbs			


Student Name

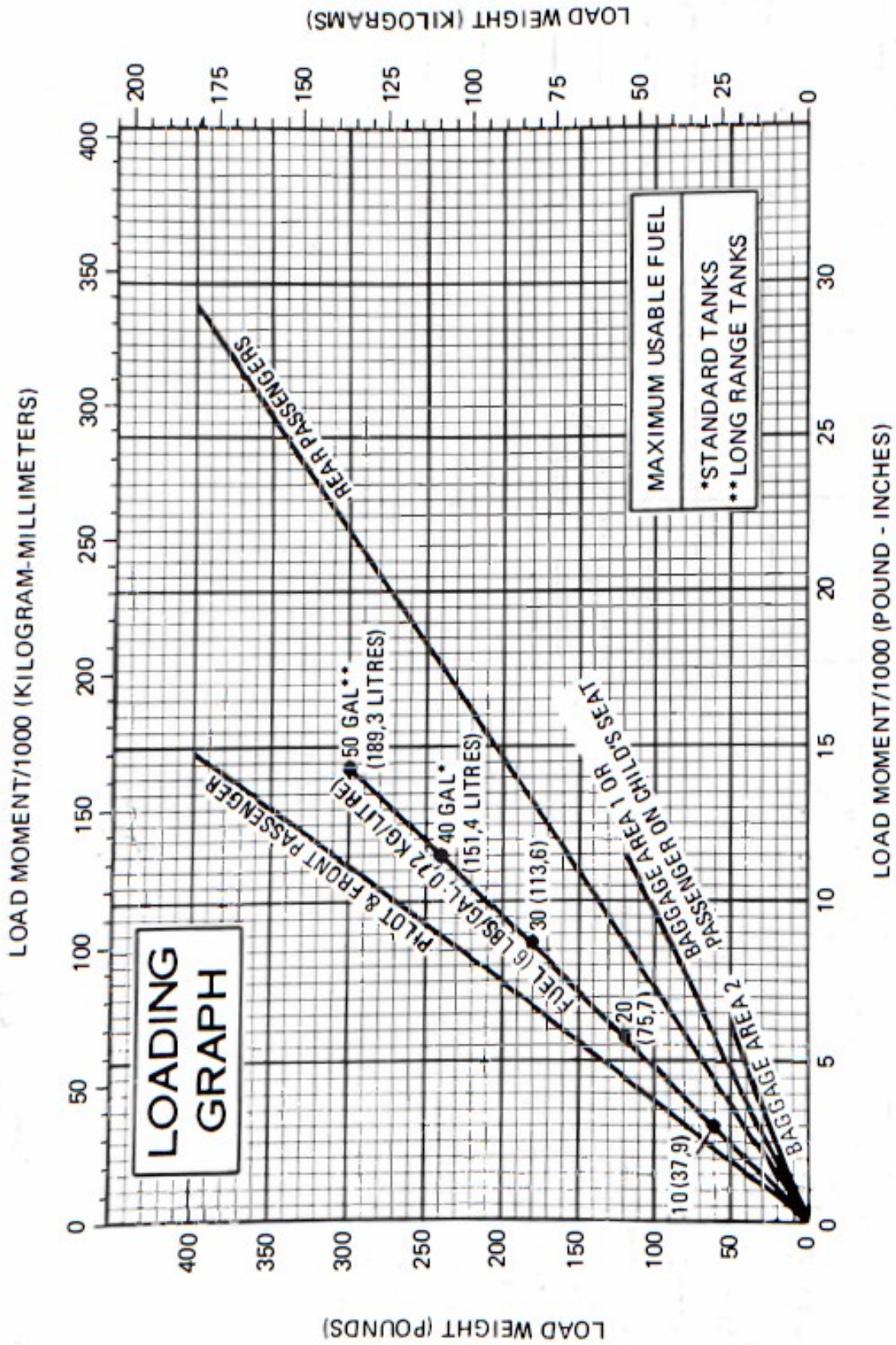
Flight Date and Time

Instructor Name

Weight and Balance Reference Graphs

N3552E Cessna 172N

EQUIPMENT CHANGE - WEIGHT & BALANCE			
Prepared by: Westwind Aviation Inc. 732 W. Deer Valley Rd. Phoenix, Arizona 85027		Registered Name and Address: Rute Christopher D 4733 E Beverly LN Phoenix AZ 85032-3410	
REG. NO.	MODEL	Serial No.	
N3552E	172N	17271584	
Items: (Description / P/N / S/N)	Weight Pounds	Arm Inches	Moments Inch/Pounds
Previous Aircraft Empty Weight:	1502.65	39.080574	58724.425
Removed Cessna DG 31101	-2.4	12	-28.8
Removed Attitude Gyro 99002-3	-2.3	12	-27.6
Removed GTX 327	-4.7	11.5	-54.05
			0
Installed GTX 345	3.12	11.5	35.88
Installed G5 H.S.I.	0.9	12.5	11.25
Installed G5 ATT	0.9	12.5	11.25
			0
			0
			0
			0
			0
			0
			0
			0
			0
Totals	1498.17	39.162682	58672.355
Date of previous weight and balance:			
A. Old Empty Weight	1500.4 Pounds		
B. Old Empty CG	39.12 Inches		
C. Old Empty Weight CG Moment	58724.425 Inch/Pounds		
D. Max Gross Weight	2300 Pounds		
E. Old Useful Load	799.6 Pounds		
A. New Empty Weight	1498.17 Pounds		
B. New Empty CG	39.162682 Inches		
C. New Empty Weight CG Moment	58672.355 Inch/Pounds		
D. Max Gross Weight	2300 Pounds		
E. New Useful Load	801.83 Pounds		
<p>This new weight & balance information superseads all previous weight and balance data. For aircraft loading, see instructions in Weight & Balance Section of Aircraft Flight Manual.</p>			
FAA Form 337 Completed?	<input type="checkbox"/> Y		
Equipment List Amended?	<input type="checkbox"/> Y		
	Date:	6/27/2018	
CRS 1WWR827C			



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 6.6

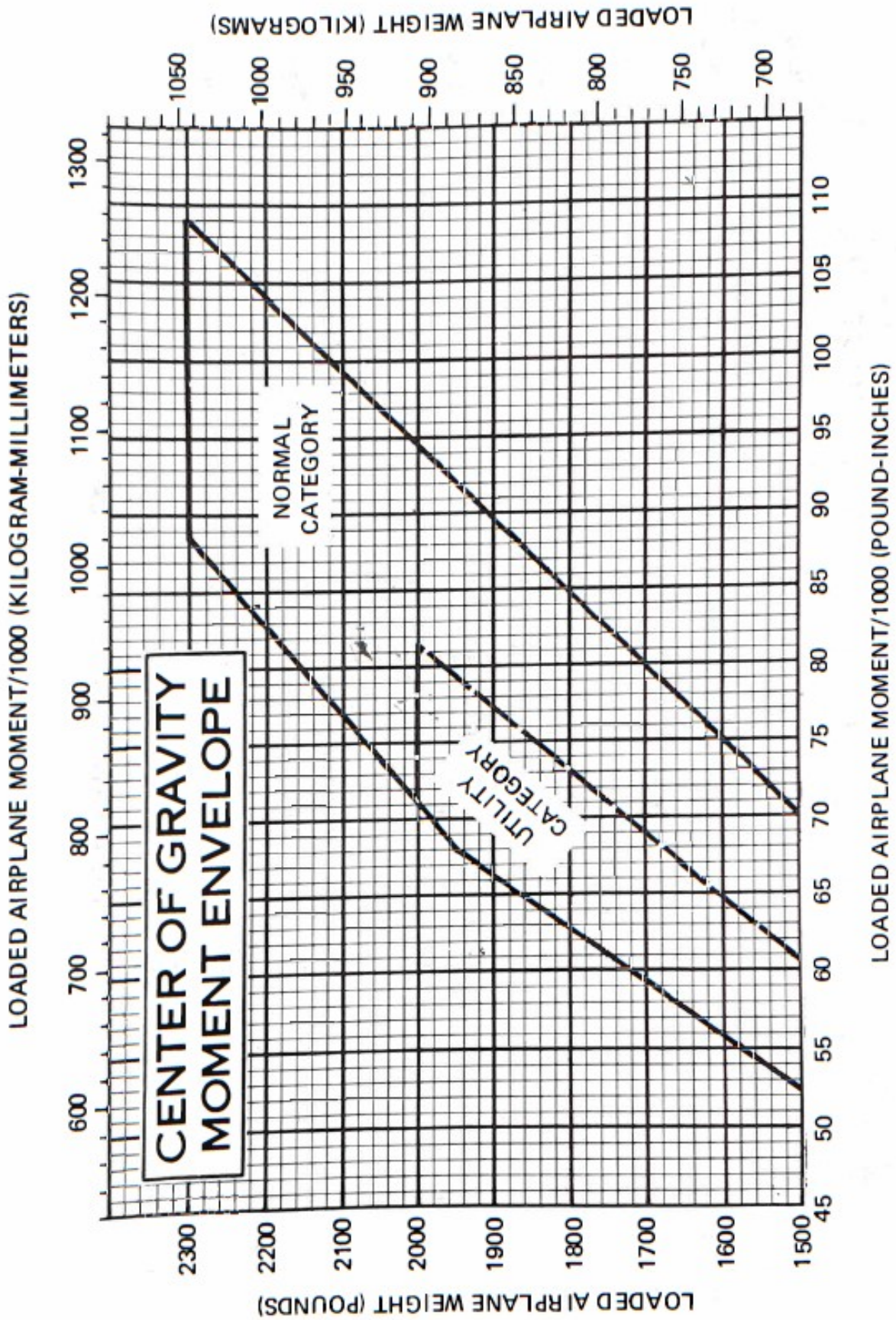


Figure 6.7

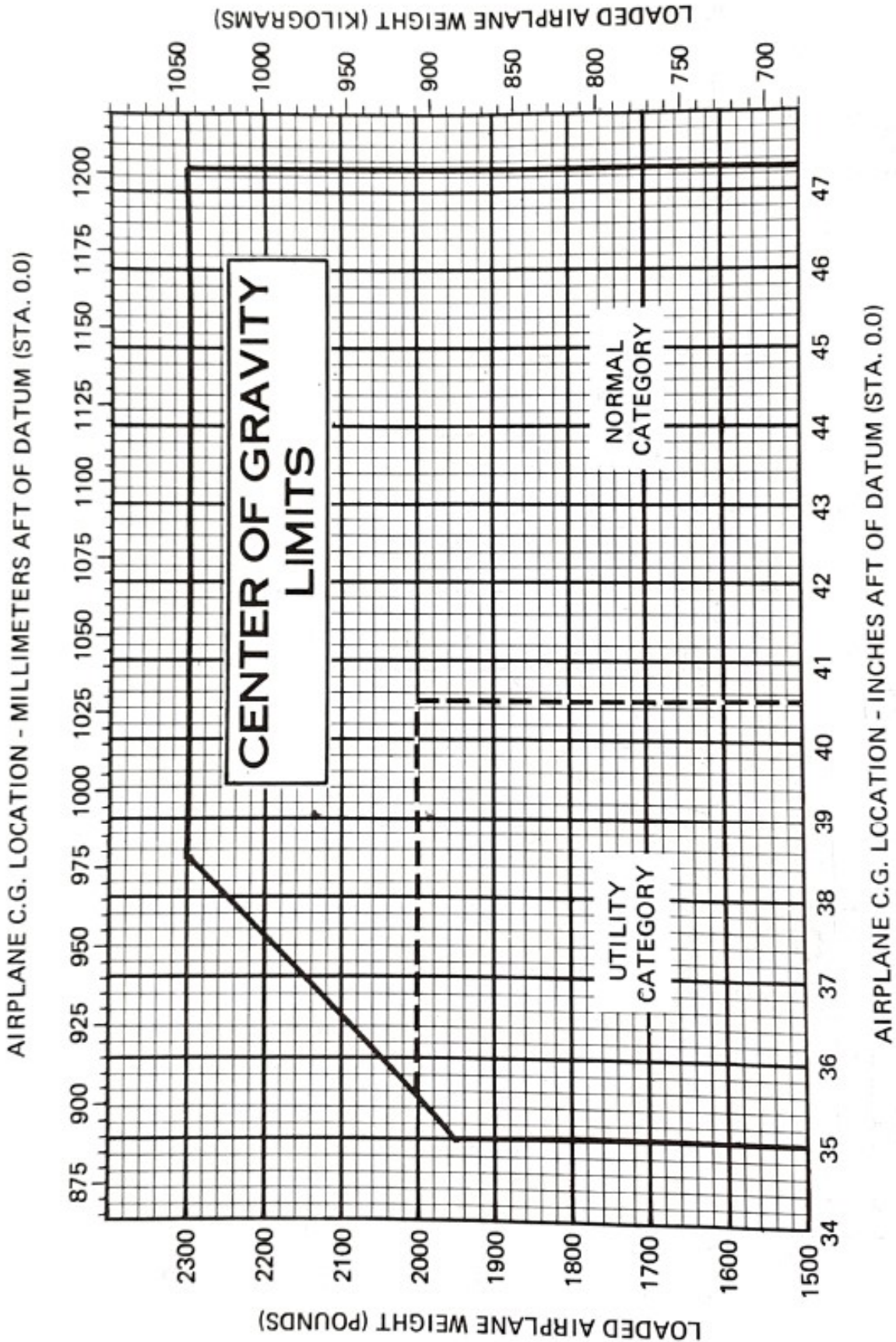


Figure 6.8