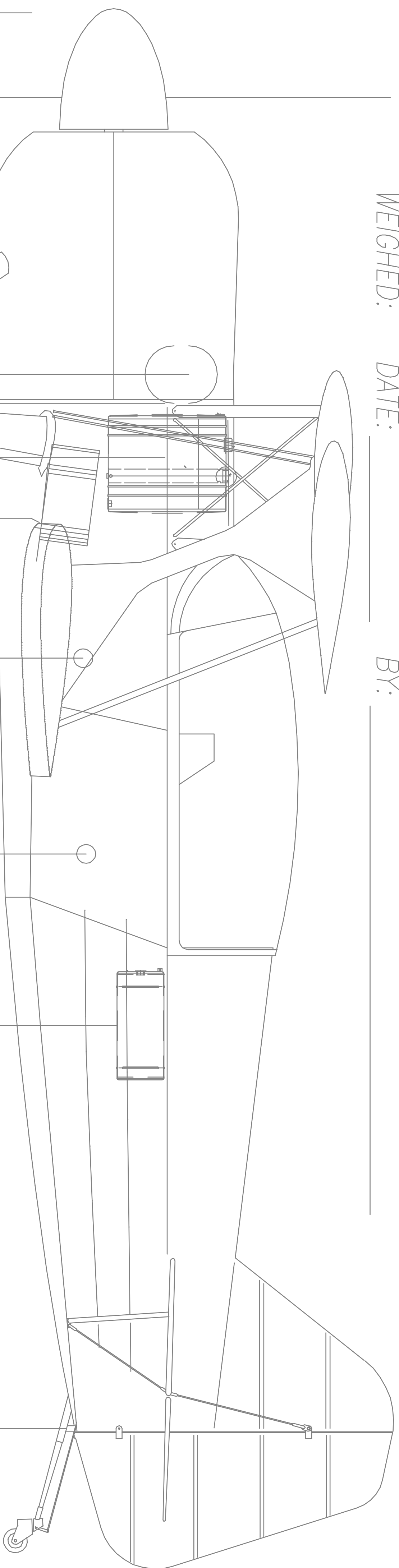


WEIGHED: _____ DATE: _____ BY: _____

DATUM: 84.00" FWD OF LOWER LEADING EDGE
 LENGTH OF MAC 40.75"
 LE MAC @ 73.00" AFT OF DATUM
 LEVELING POINT: TOP LONGERONS, REAR COCKPIT
 EWCG RANGE: 3.4% to 4.5% MAC



EMPTY WEIGHT:
 LEFT MAIN:
 RIGHT MAIN:
 TAIL POST:
 TOTAL EMPTY WEIGHT:

EMPTY WEIGHT C.G.:
 WEIGH PT. WEIGHT ARM MOMENT
 LM _____ 64.875 _____
 RM _____ 64.875 _____
 TW _____ 235.25 _____

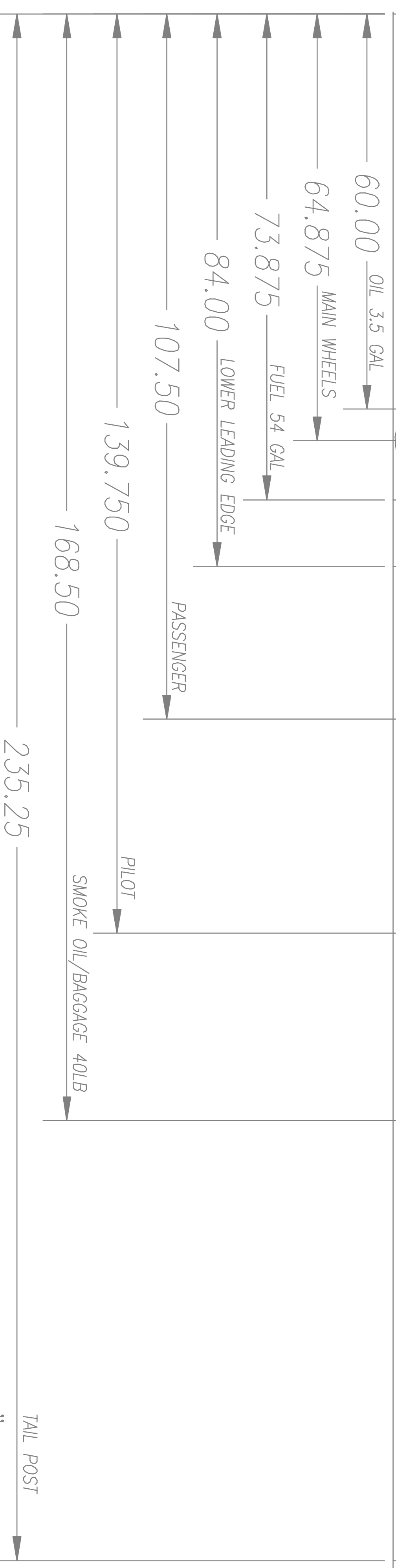
EMPTY C.G. = $q/b =$ _____ " AFT OF DATUM
 EMPTY WEIGHT C.G. = $(c - 73.00) / 40.75 =$ _____ % MAC

MOST FORWARD LOADING:
 WEIGH PT. WEIGHT ARM MOMENT
 FUEL _____ b _____ a
 PILOT _____ 190 139.75 26505 _____ d

MOST FORWARD LOAD = $d/e = f$ " AFT OF DATUM
 MOST FORWARD LOAD = $(f - 73.00) / 40.75 =$ _____ % MAC

MOST REARWARD LOADING:
 WEIGH PT. WEIGHT ARM MOMENT
 FUEL _____ b _____ a
 PASS _____ 200 107.50 21500 _____ d
 PILOT _____ 200 139.75 27950 _____ d
 BAGGAGE _____ 40 168.50 6740 _____ d

MOST REARWARD LOAD = $g/h = j$ " AFT OF DATUM
 MOST REARWARD LOAD = $(j - 73.00) / 40.75 =$ _____ % MAC



PERFORMANCE:

- 239 MPH NEVER EXCEED SPD.
- 175 MPH 70% CRUISE SPD.
- 165 MPH MAX MANOUVERING SPD.
- 65 MPH STALL SPEED
- 525 MILE RANGE W/ RESERVE
- 54 GAL. FUEL CAPACITY
- 3000+ FPM RATE OF CLIMB
- 300+ DEG./SEC. ROLL RATE

SPECIFICATIONS:

- LENGTH - 19 FT. 8 IN.
- HEIGHT - 8 FT. 9 IN.
- SPAN - UPPER 23 FT.
- SPAN - LOWER 22.5 FT.
- AREA - TOTAL 154 SQ. FT.
- WING LOADING 14.9PSF
- GROSS WEIGHT 2250 LBS.
- EMPTY WEIGHT 1450 LBS.

STAGGER AT CENTER SECTION: 24.9"

- UPPER DIHEDRAL: 0.0 DEGREES
- LOWER DIHEDRAL: 2.0 DEGREES
- STAB DIHEDRAL 0.0 DEGREES
- UPPER WING INCEDENCE: 2.0 DEGREES
- LOWER WING INCEDENCE: 2.0 DEGREES
- STAB INCEDENCE 2.0 DEGREES
- AILERON TRAVEL: 25 DEG. UP AND DOWN +/-1
- ELEV TRAVEL: 25 DEG UP AND DOWN +/-1
- RUDDER TRAVEL: 30 DEG LEFT AND RIGHT +/-1
- TRIM TRAVEL: 10 UP, 15 DOWN +/-5
- WING SWEEP ANGLE: 7 DEG UPPER, 0.0 LOWER
- MAX DEMONSTRATED CROSSWIND COMPONENT: 20KTS

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Model 12, Incorporated
 P. O. BOX 849
 ZELLWOOD, FL 32798

EFF. A/C:	0001 & DN	DESIGN BY:	RAMBLE 11/96	SIZE:	D	DWG. NO.:	12-101	STOCK:	B
APPROVED BY:	KK 3/99	SCALE:	1/15	NEXT ASSY:		SHEET:	1	OF:	1