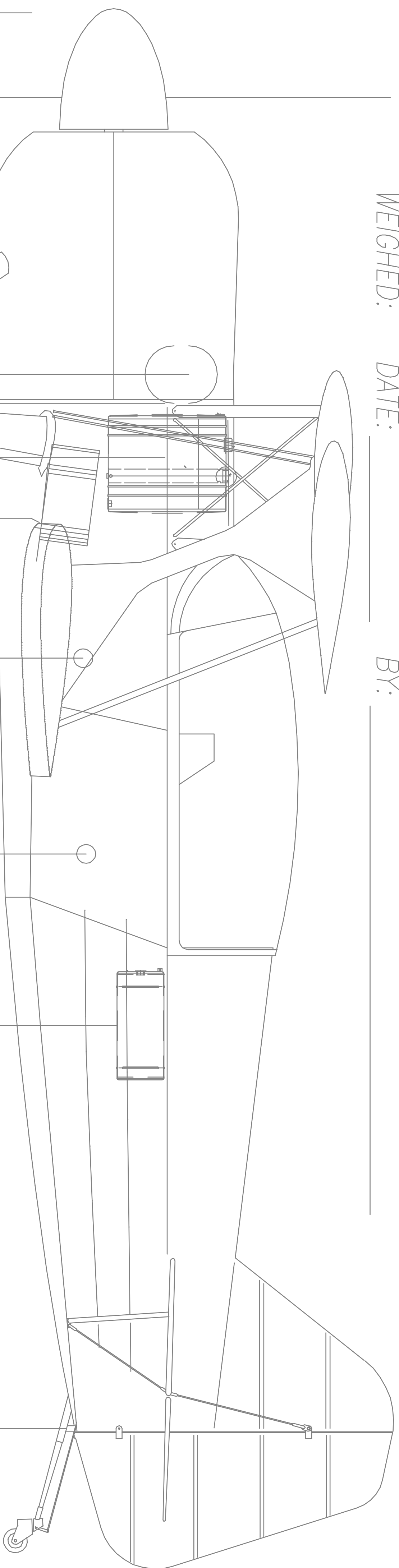


WEIGHED: _____ DATE: _____ BY: _____

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

This document and the data contained herein is subject to copyright and is not to be distributed, copied, or reproduced in any form without the written permission of the copyright owner. The copyright owner shall not be held liable for any errors or omissions in this document, and, accordingly, this document must be treated as PROPRIETARY DATA.

MODEL 12, INC.
 ZELLWOOD, FL
 COPYRIGHT 1999
 MODEL 12, INC.

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

EFF. A/C:	0001 & DN	ISS. BY:	DBAWN BR	RANDLET 11/96	SIZE:	D	DWG NO.:	12-101	STOCK:	REV:
				APPROVED BY:	KK 3/99	SCALE:	1/15	NEXT ASSY:	SHEET 1	OF 1

EXCEPT AS SPECIFIED, TOLERANCES ARE:
 ANGULAR +/- .5
 3 DECIMALS +/- .010
 2 DECIMALS +/- .030
 1 DECIMAL +/- .060
 BREAK ALL SHARP EDGES

WEIGHT AND BAL DIAGRAM
 STOCK PITTS MODEL 12