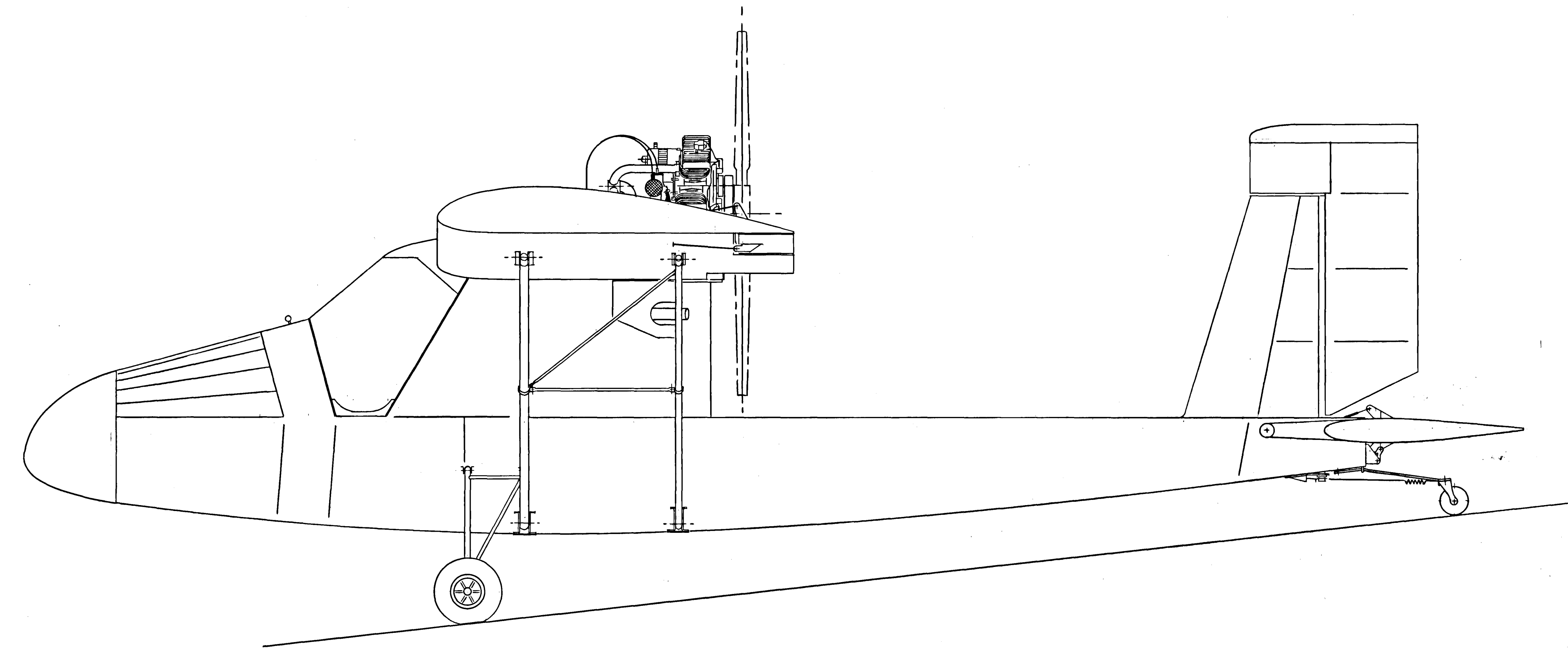
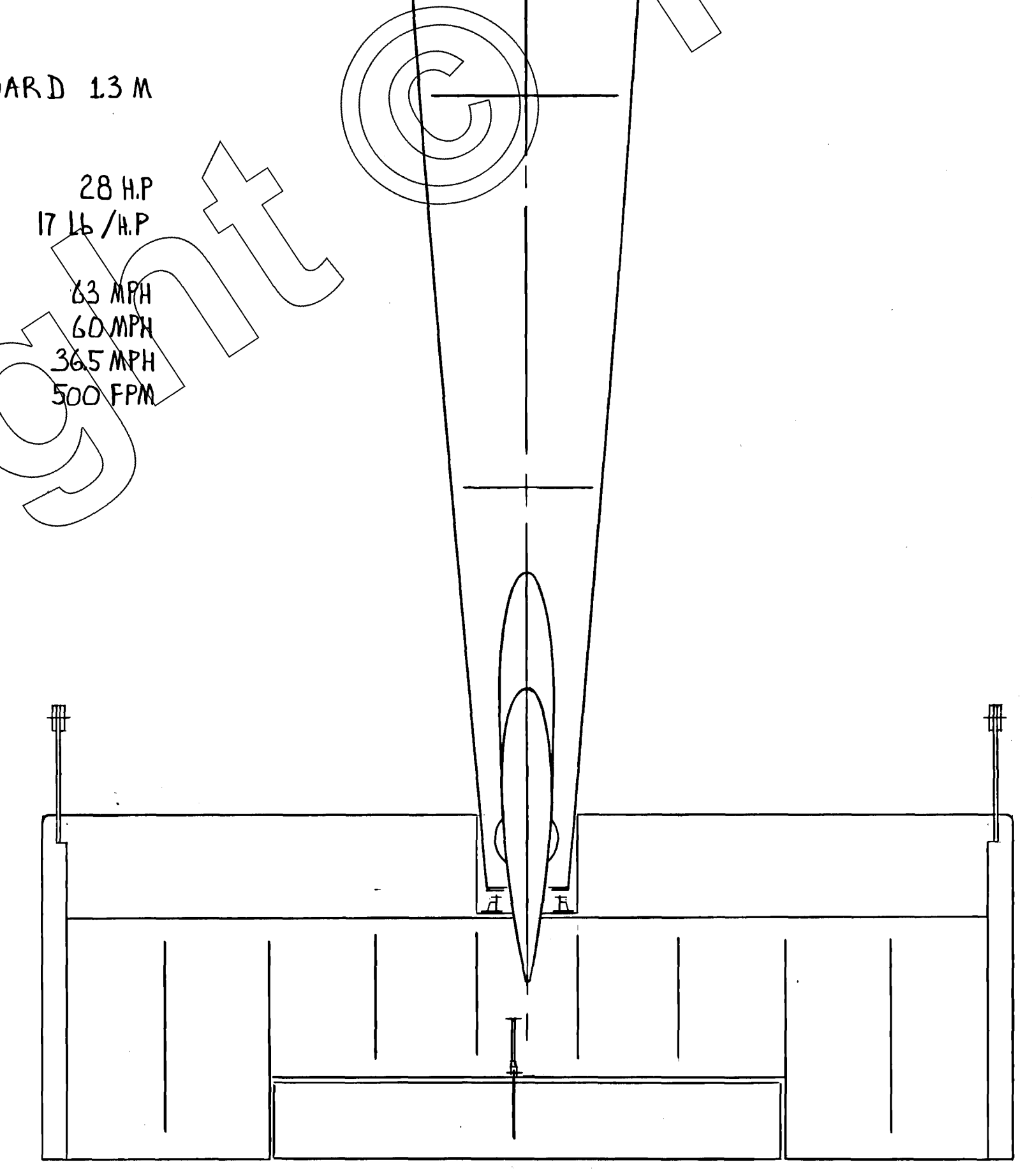
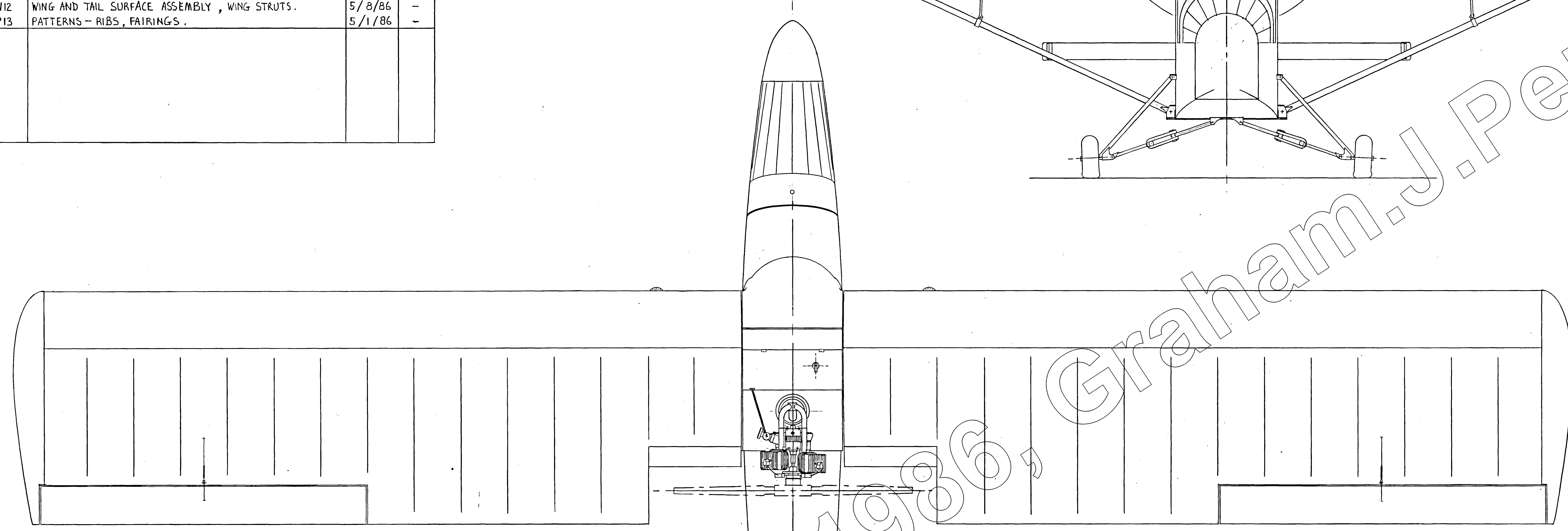
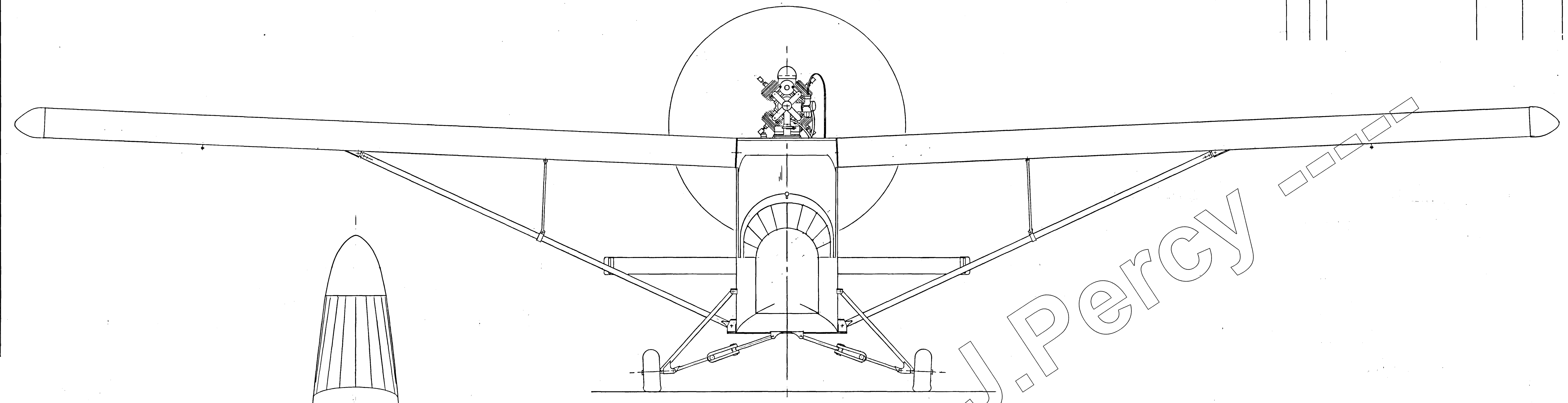


DRAWING NUMBER	DRAWING TITLE	DATE OF FIRST ISSUE	REVISION N°
3-VIEW	MAYA	21/7/86	-
F1	FUSELAGE	26/5/86	-
T2	FUEL TANK & ELEVATOR SYSTEM AT FRAME 6	29/6/86	-
M3	ENGINE MOUNT, PAN AND FAIRING . BUSH DRAWING	1/3/86	-
U4	UNDER CARRIAGE	15/10/85	-
T5	FLIGHT CONTROLS AND SEAT - FORWARD FUSELAGE.	3/11/85	-
T6	TAIL ATTACHMENTS & FLIGHT CONTROLS, ENGINE INSTN KÖNIG SD570	15/12/85	-
T7	TAILPLANE TAB AND TRIM SYSTEM	23/5/87	-
F8	WING & STRUT ROOT ATTACHMENTS, AILERON SYSTEM - CENTRE FUS	11/11/85	-
C9	COCKPIT ACCOMMODATIONS - CANOPY, INSTRUMENTS, SHOULDER HARNESS	30/11/85	-
S10	SPARS AND SPAR FITTINGS.	28/12/85	-
S11	WING FRONT SPAR FITTINGS AND AILERON SYSTEM.	5/10/85	-
W12	WING AND TAIL SURFACE ASSEMBLY, WING STRUTS.	5/8/86	-
P13	PATTERNS - RIBS, FAIRINGS.	5/1/86	-

ZONE		LTRA		REVISIONS		DRAFTSMAN	DATE	APPROVED



SPECIFICATIONS: STANDARD

PROTOTYPE EMPTY WEIGHT 248 LB

DESIGN EMPTY WEIGHT 254 LB

PILOT & BAGGAGE (MAXIMUM) 200 LB

3/4 IMP GAL FUEL 26 LB

DESIGN ALL-UP-WEIGHT 480 LB

CATEGORY ANO 95.10 Issue 2

AIRFRAME STRUCTURE STRENGTH TO FAR 23 'NORMAL'

DESIGN MAXIMUM SPEED $V_{ne} = 100$ MPH

DESIGN CRUISE SPEED $V_c = 79$ MPH

DESIGN MANOEUVRE SPEED $V_A = 71$ MPH

	MANOEUVRE AT V_A	GUST AT V_C
LIMIT LOAD FACTOR 'G'	+3.8 -1.5	+4.29 -2.29
ULTIMATE LOAD FACTOR 'G'	+5.7 -2.25	+6.44 -3.44

DIMENSIONS: STANDARD

LENGTH, OVERALL 17 FT 6 IN

HEIGHT, TOP OF ENGINE 5 FT 8 IN

WING LOADING 4.34 LB/FT²

SPAN LOADING 17.25 LB/FT

	WING	TAILPLANE	FIN PLUS RODDER
AREA	110.7 FT ²	15.3 FT ²	7.5 FT ²
SPAN	27 FT 10 IN	6 FT 7 IN	3 FT 5 IN
CHORD	50 IN	28 IN	26.3 IN (MEAN)
AEROFOIL	4412.5 (MOD)	12.5% SYM'	13.5% SYM' ROOT 16.8% SYM' TIP.

PERFORMANCE: STANDARD

MEASURED WITH KÖNIG SD-570/R WITH STANDARD 13 M 3-BLADE PROPELLER.

POWER 28 HP

POWER LOADING 17 LB/HP

MAXIMUM LEVEL SPEED 83 MPH

CRUISE SPEED 60 MPH

STALL SPEED 36.5 MPH

RATE OF CLIMB AT S.L. 500 FPM

RANGE, 3/4 IMP GAL TANK

ENDURANCE, 3/4 IMP GAL TANK

TAKE-OFF RUN OVER 50 FT

LANDING OVER 50 FT

CONTRACT		SIZE		DRAWING NO.		REV.	
DRAWN	G PERCY			3-VIEW			
DATE	21/7/86	SCALE	1:16				
CHECKED							
DATE							
APPROVAL							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
TOLERANCES	ANGLES	1:30'					
2 PLACE DECIMALS OR	±0.03						
NON DIMENSIONED							
3 PLACE DECIMALS	±0.010						
CALC. WT.		LB.		SHEET	1	OF	1

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