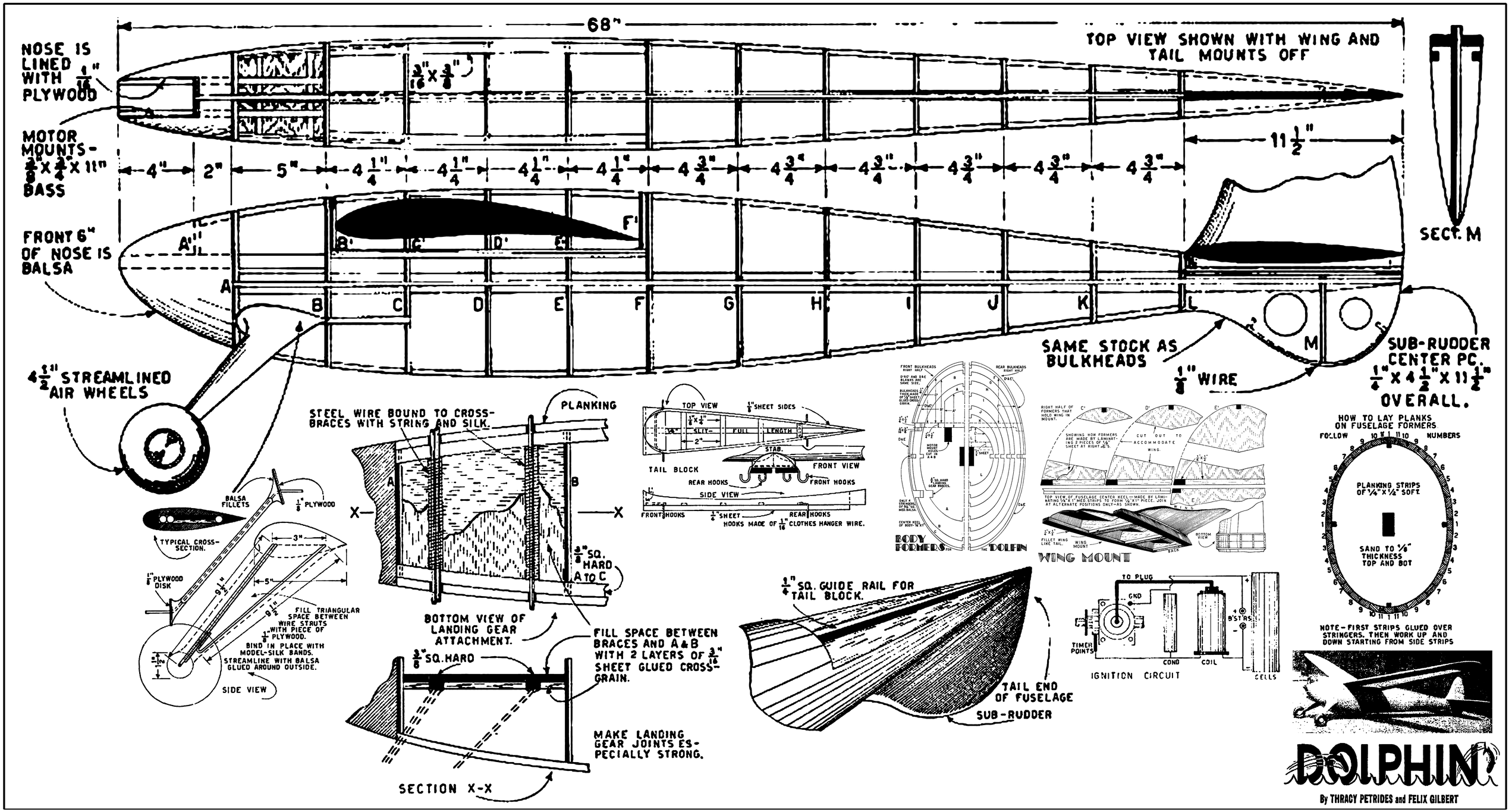
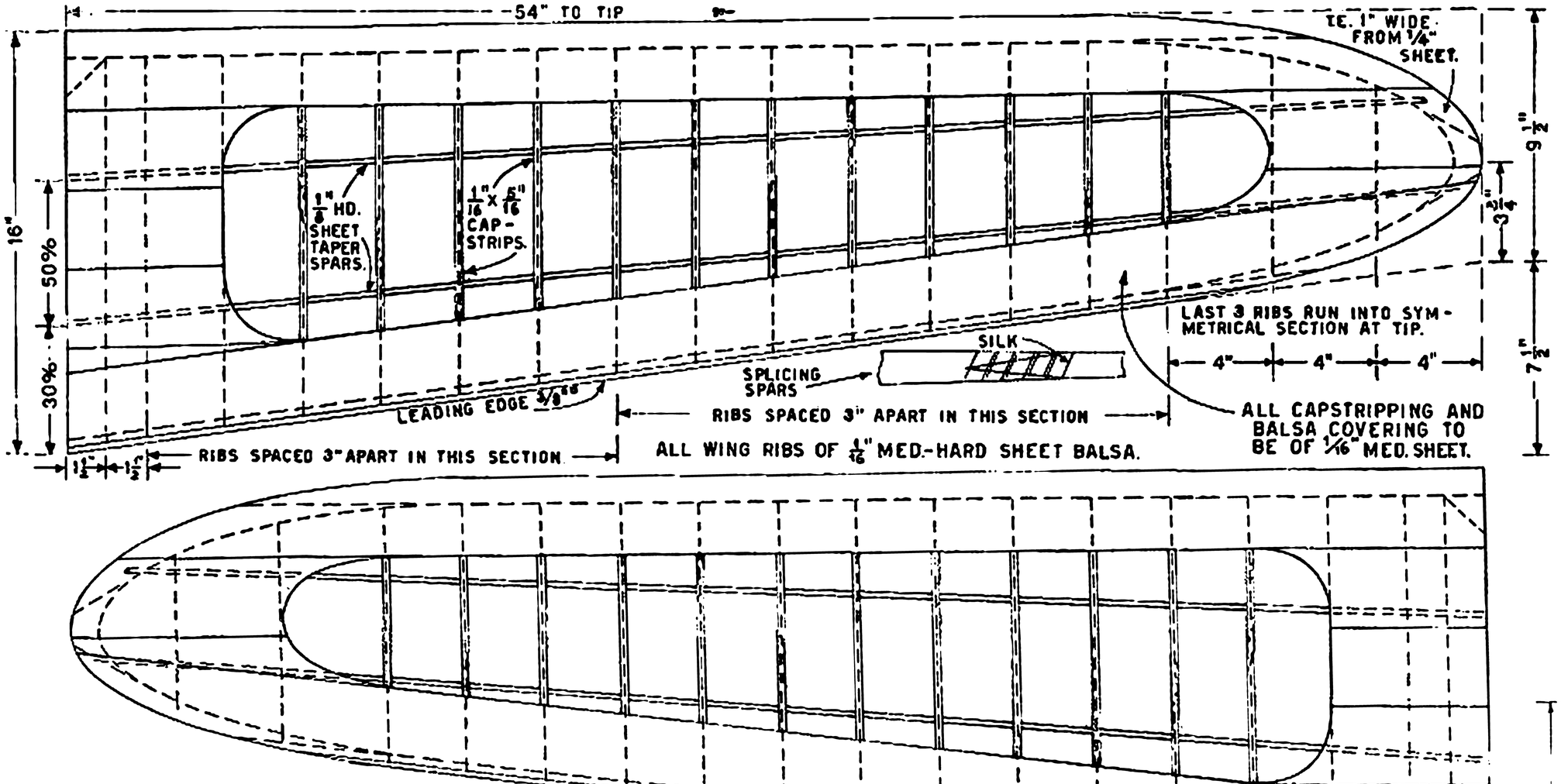
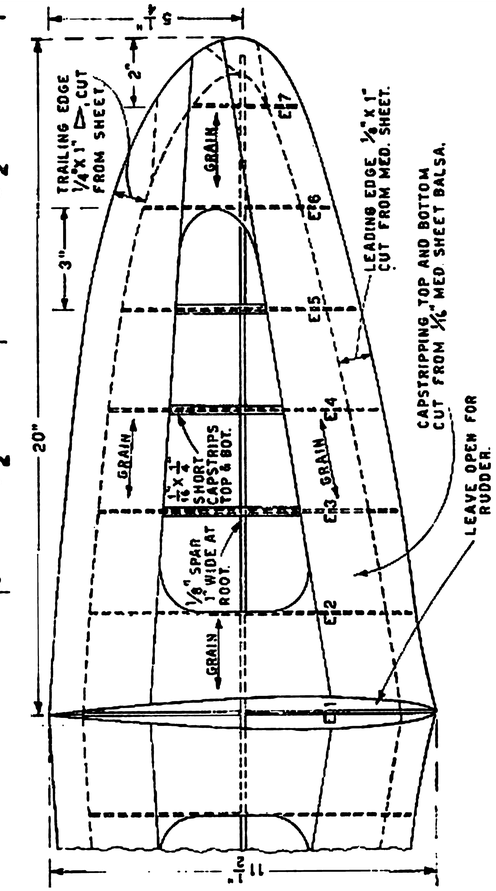
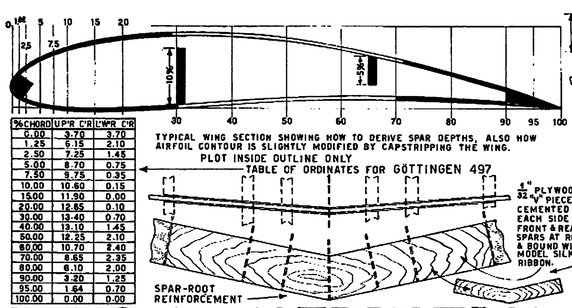

68"
TOP VIEW SHOWN WITH WING AND TAIL MOUNTS OFF
NOSE IS LINED WITH 1/16" PLYWOOD
MOTOR MOUNTS - 3/8" X 3/4" X 11" BASS
3/16" X 3/8"
4" 2" 5" 4 1/4" 4 1/4" 4 1/4" 4 1/4" 4 3/4" 4 3/4" 4 3/4" 4 3/4" 4 3/4" 4 3/4"
11 1/2"
FRONT 6" OF NOSE IS BALSA
A' B' C' D' E' F'
A B C D E F G H I J K L M
SECT. M
SAME STOCK AS BULKHEADS
1/8" WIRE
SUB-RUDDER CENTER PC. 1/4" X 4 1/2" X 11 1/2" OVERALL.
4 1/2" STREAMLINED AIR WHEELS
BALSA FILLETS
1/8" PLYWOOD
TYPICAL CROSS-SECTION.
1/8" PLYWOOD DISK
3"
5"
9 1/2"
9 1/2"
FILL TRIANGULAR SPACE BETWEEN WIRE STRUTS WITH PIECE OF 1/8" PLYWOOD.
BIND IN PLACE WITH MODEL-SILK BANDS. STREAMLINE WITH BALSA GLUED AROUND OUTSIDE.
SIDE VIEW
STEEL WIRE BOUND TO CROSS-BRACES WITH STRING AND SILK.
PLANKING
A
B
X
X
3/8" SQ. HARD A TO C
BOTTOM VIEW OF LANDING GEAR ATTACHMENT.
FILL SPACE BETWEEN BRACES AND A & B WITH 2 LAYERS OF 3/16" SHEET GLUED CROSS-GRAIN.
3/8" SQ. HARD
MAKE LANDING GEAR JOINTS ESPECIALLY STRONG.
SECTION X-X
TOP VIEW
1/8" SHEET SIDES
1/4" X 1/4"
1/8"
SLIT
FULL LENGTH
2"
STAB.
TAIL BLOCK
FRONT VIEW
REAR HOOKS
FRONT HOOKS
SIDE VIEW
FRONT HOOKS
1/4" SHEET
REAR HOOKS
HOOKS MADE OF 1/16" CLOTHES HANGER WIRE.
1/4" SQ. GUIDE RAIL FOR TAIL BLOCK.
TAIL END OF FUSELAGE
SUB-RUDDER
FRONT BULKHEADS RIGHT HALF
REAR BULKHEADS RIGHT HALF
BODY FORMERS FOR THE DOLFIN
RIGHT HALF OF FORMERS THAT HOLD WING IN MOUNT.
SHOWING HOW FORMERS ARE MADE BY LAMINATING 2 PIECES OF 1/4" SHEET AT RIGHT ∠'S.
CUT OUT TO ACCOMMODATE WING.
TOP VIEW OF FUSELAGE CENTER KEEL — MADE BY LAMINATING 1/4" X 1" MED STRIPS TO FORM 1/2" X 1" PIECE. JOIN AT ALTERNATE POSITIONS ONLY—AS SHOWN.
FILLET WING LIKE TAIL.
WING MOUNT
BOTTOM VIEW
WING MOUNT
TO PLUG
GND
TIMER POINTS
COND
COIL
8 STRS.
CELLS
IGNITION CIRCUIT
HOW TO LAY PLANKS ON FUSELAGE FORMERS
FOLLOW NUMBERS
PLANKING STRIPS OF 1/4" X 1/2" SOFT
SAND TO 1/8" THICKNESS TOP AND BOT
NOTE - FIRST STRIPS GLUED OVER STRINGERS. THEN WORK UP AND DOWN STARTING FROM SIDE STRIPS
DOLPHIN
By THRACY PETRIDES and FELIX GILBERT

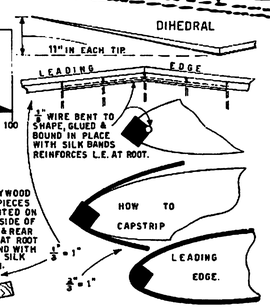




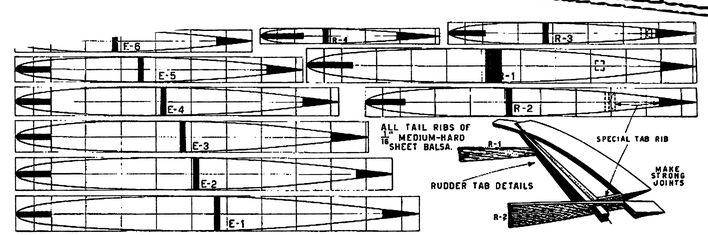
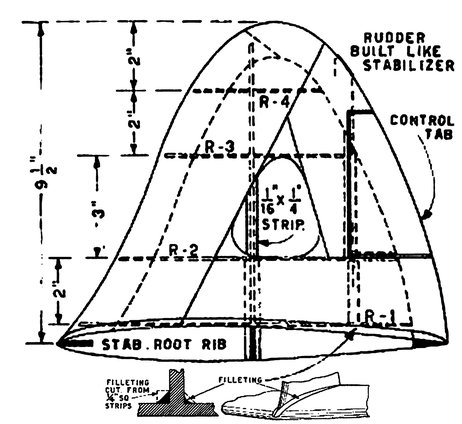


% CHORD	UP'R C/R	L'WR C/R
0.00	3.70	3.70
1.25	6.15	2.10
2.50	7.25	1.45
5.00	8.70	0.75
7.50	9.75	0.35
10.00	10.60	0.15
15.00	11.50	0.00
20.00	12.65	0.10
30.00	13.40	0.70
40.00	13.10	1.45
50.00	12.25	2.10
60.00	10.70	2.40
70.00	8.65	2.35
80.00	6.10	2.00
90.00	3.20	1.25
95.00	1.64	0.70
100.00	0.00	0.00

TYPICAL WING SECTION SHOWING HOW TO DERIVE SPAR DEPTHS, ALSO HOW AIRFOIL CONTOUR IS SLIGHTLY MODIFIED BY CAPSTRIPPING THE WING.
PLOT INSIDE OUTLINE ONLY
TABLE OF ORDINATES FOR GÖTTINGEN 497



WING CONSTRUCTION



TAIL SURFACES AND RIBS