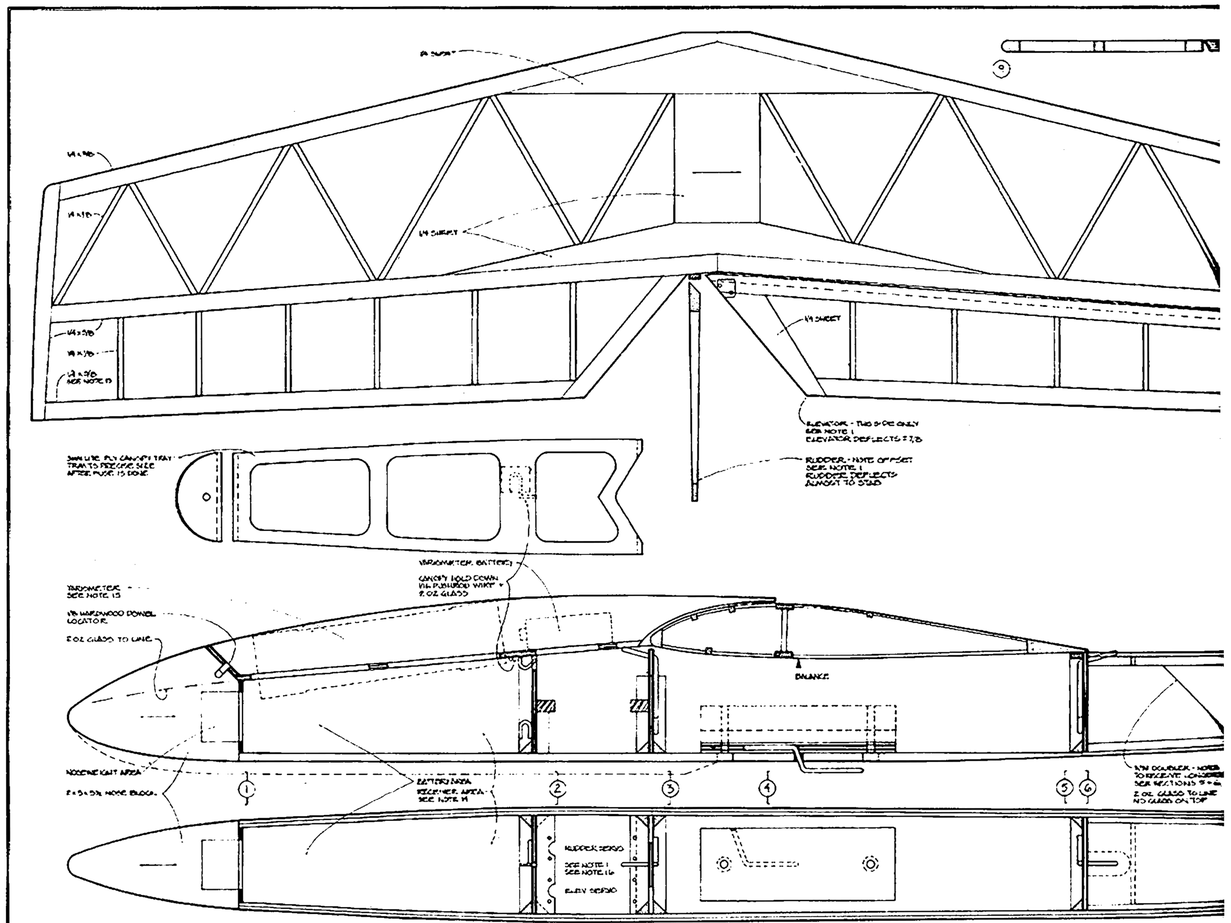


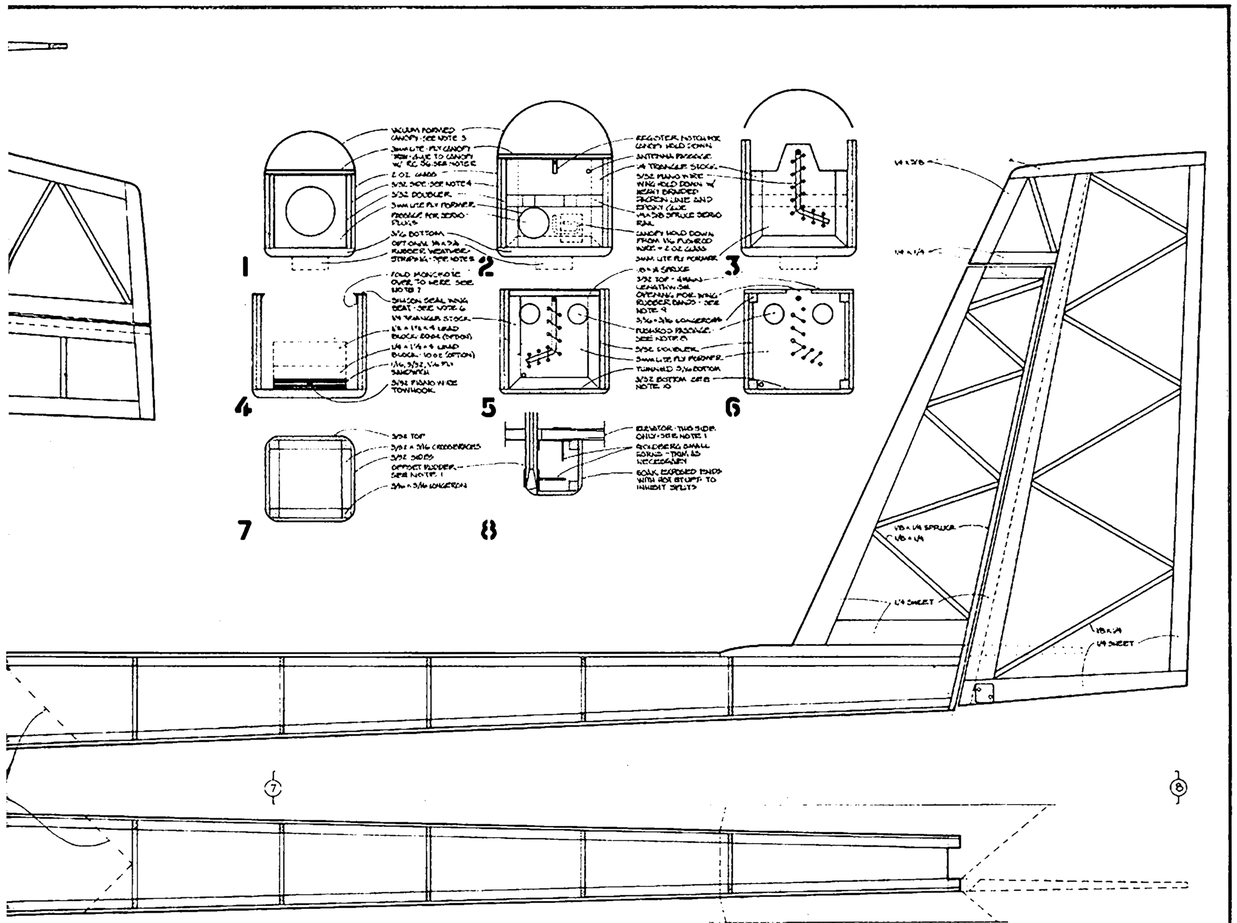


NOTES

1. IT IS IMPORTANT FOR THE MAJORITY OF THE PUSHRODS ENTERING THE FUSELAGE ATTACH TO THE SERVO HORNS AWAY FROM THE CENTERLINE. THE OFFSET OF THE SERVOS, RUDDER, AND ELEVATOR CAN BE CHANGED TO ACCOMODATE ALL SERVO ROTATIONS.

| ELEVATOR SERVO-UP DIRECTION | ELEVATOR SERVO SOF | RUDDER SERVO FOR | RUDDER SERVO OFFSET R-TURN | RUDDER SERVO TO | ELEV SERVO SOF |
|---|---|---|---|---|---|
| CW | RIGHT | LEFT | CW | LEFT | RIGHT |
| | | | CW | RIGHT | LEFT |
| CCW | LEFT | RIGHT | CCW | RIGHT | LEFT |
| | | | CCW | LEFT | RIGHT |

2. THE OUTLINE OF A PART IS AT THE OUTER EDGE OF THE DRAWN LINE - WHEN CUTTING OUT A PART THE LINE REMAINS WITH THE PART.
3. PLASTIC CANOPY AVAILABLE FROM: 18 - FLIGHT MODEL PRODUCTS 8325 WHITTIER AVE MERVET CA 92345 A CARVED BALSA BLOCK CAN BE SUBSTITUTED
4. 1/4 WOOD IS NOT AVAILABLE, A 3/8 OR CAN BE MADE BY HALF THE WING - ANGLE CUT 1/32" OR MORE
5. TAPE AND TO HOME 1/4" VINYL TAPE (1/2" RUDDER) RESULTS STICKING TO FUSE. SPRAY FUSE AREA AND SAND FIRST W. 3M N 77.
6. WRAP WING TIGHTLY IN COCKAIN ATTIC (3 MIL) SEED OF 1/8" SILICON SEAL (CLEANED TO W. HIS REST) STRAP ON WING ALLOW 24 HRS TO DRY. TRIM.
7. AT EXPOSED EDGES OF MONOKOTE, SHRINK GLUE INTO WOOD & FOR ALLOW TO DRY AND SMOOTH - PREVENTS PEELING.
8. PUSHRODS TO 4/40 x 36" UNANGLED TO PIT THROUGH DOWNFORCE AT OPTIMUM. TO 1/4 ROUND AT EACH END. WRAP PUSHROD W/ MONO NOTE WHERE IT PASSES THROUGH CUT - AND HOLD TO REDUCE FRICTION.
9. USE ABOUT 6 1/4 OD BANDS.
10. TOP AND BOTTOM CAN BE CUT FROM (1) 3 SHEET.
11. ALL MATERIAL BALSA UNLESS OTHER WISE CALLED OUT.
12. SOS BIRCH ALSO 3MM PLY CAN BE SUBSTITUTED FOR LITE-PLY AT 3MM LOCATIONS.
13. TIE STAD WIRE STRAIGHT OFFSET TO 3/16 THICKNESS AT 3/8 + 1/8.
14. SCOTT SWITCH W RECEIVER AREA.
15. A VARIOMETER OR "TUFFNALL SENSOR" IS A USEFUL ACCESSORY FOR HIGH ALTITUDE, CONTEST, ESPECIALLY GOAL AND RACE FLYING. AVAILABLE FROM: SOARING PRODUCTS PO BOX 17 MARSHINGTON, MD 20655 REQUIRES CANOPY TRAY MODIFICATION.
16. TO INSTALL BRACK, SLIDE FORWARD 2" FORWARD. TRIM TO FIT. MODIFY THE CANOPY TRAY.
17. THE MIRAGE USED ITS COMPANION AS A STRUCTURAL BULKHEAD. USE ONLY TOP PLYTE SUPER MONOKOTE.
18. USE 3M WING REINFORCEMENT TAPE (WHITE) ON BOTH SIDE OF MIRAGE LINE, RUDDER AND ELEVATOR.
19. READ NOTES ON WING SHEET.

| | |
|---|---|
| SPAN | 82.5 IN |
| WING AREA | 915 IN² |
| TYPICAL WEIGHT | 35 OZ |
| WING LOADING | 5.7 OZ/FT² |
| STAB AREA | 152.5 IN² |
| SURFACE LOADING | 4.25 OZ/FT² |
| TAIL VOLUME | 0.71 |
| ASPECT RATIO | 15.46 |
| MAXIMUM WEIGHT | 4 LBS |
| MAXIMUM SPEED | 60 MPH |
| MINIMUM SINK | 11 FT/SEC @ 14 FT/SEC |
| MAXIMUM L/D | 18.5 @ 61 FT/SEC |

# MIRAGE

DESIGNED BY BLAINE RAWDON

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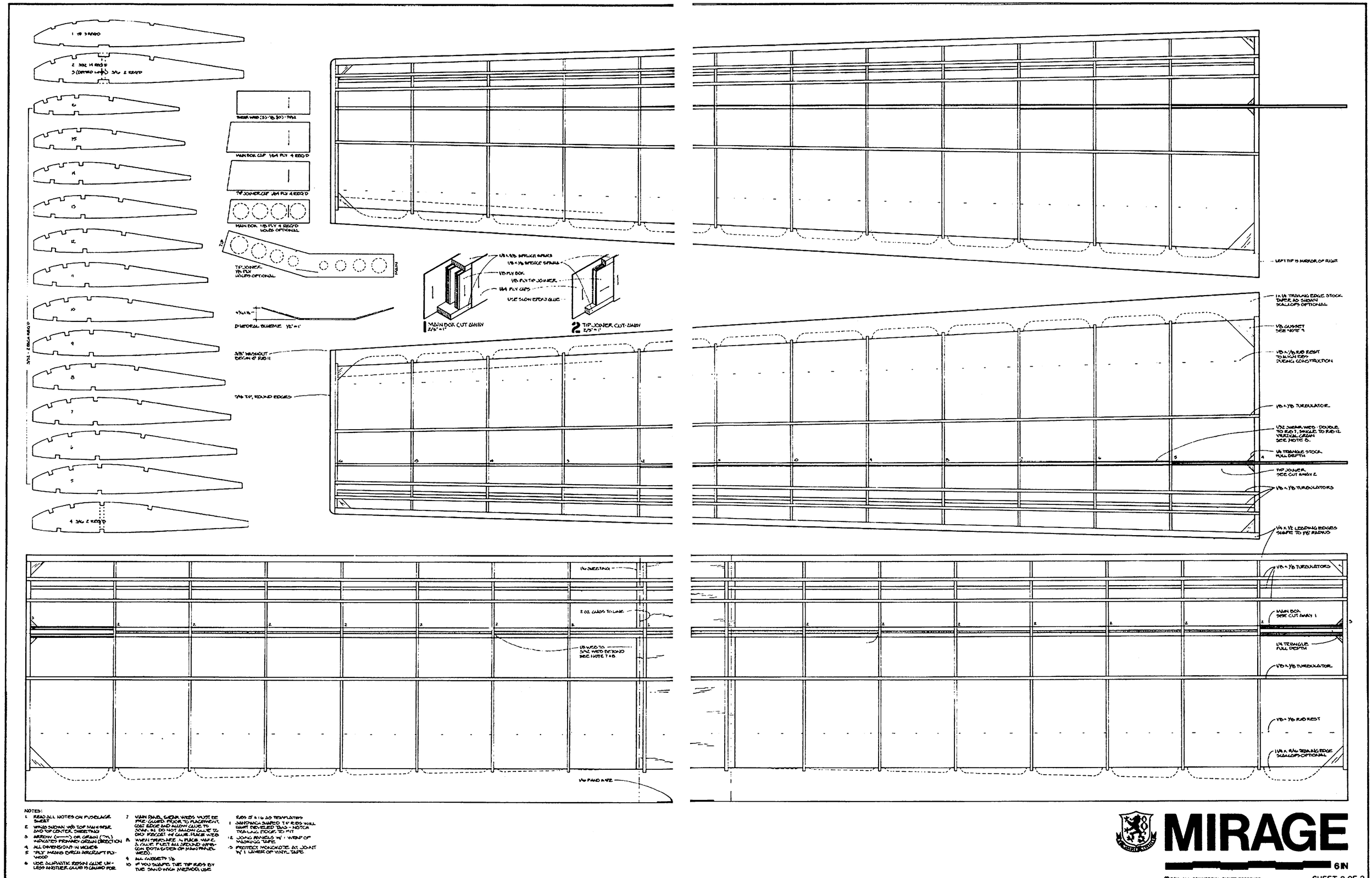
SHEET 1 OF 2

PLAN NO. 753②




NOTES:

1. READ ALL NOTES ON FUSELAGE SHEET
2. WING SHOWN 1/8 TOP MAIN SPAR AND TOP CENTER SHEETING
3. ARROW (——) OR GRAIN (~~~) INDICATES PRIMARY GRAIN DIRECTION
4. ALL DIMENSIONS IN INCHES
5. "PLY" MEANS BIRCH AIRCRAFT PLYWOOD
6. USE ALIPHATIC RESIN GLUE UNLESS ANOTHER GLUE IS CALLED FOR
7. MAIN PANEL SHEAR WEBS MUST BE PRE-GLUED PRIOR TO PLACEMENT. COAT EDGE AND ALLOW GLUE TO DRY. 8. DO NOT ALLOW GLUE TO ONLY PARTIALLY FILL GLUE PLACE WEB WHEN PREPARED. 9. PLACE WAX & GLUE PLATE ALL AROUND WEB (BOTH SIDES OF MAIN PANEL WEB).
9. ALL GUSSETS 1/8
10. IF YOU SHAPE THE TIP RIBS BY THE SANDWICH METHOD USE RIBS 3/4 & 1/16 AS TEMPLATES
11. SANDWICH SHAPED TIP RIBS WILL HAVE BEVELED TRAILING EDGE - NOTCH TRAILING EDGE TO FIT
12. USING PANELS W/ 1 WRAP OF MASKING TAPE
13. PROTECT NONSKIN AT JOINT W/ 1 LAYER OF VINYL TAPE

PLAN NO. 753 ②