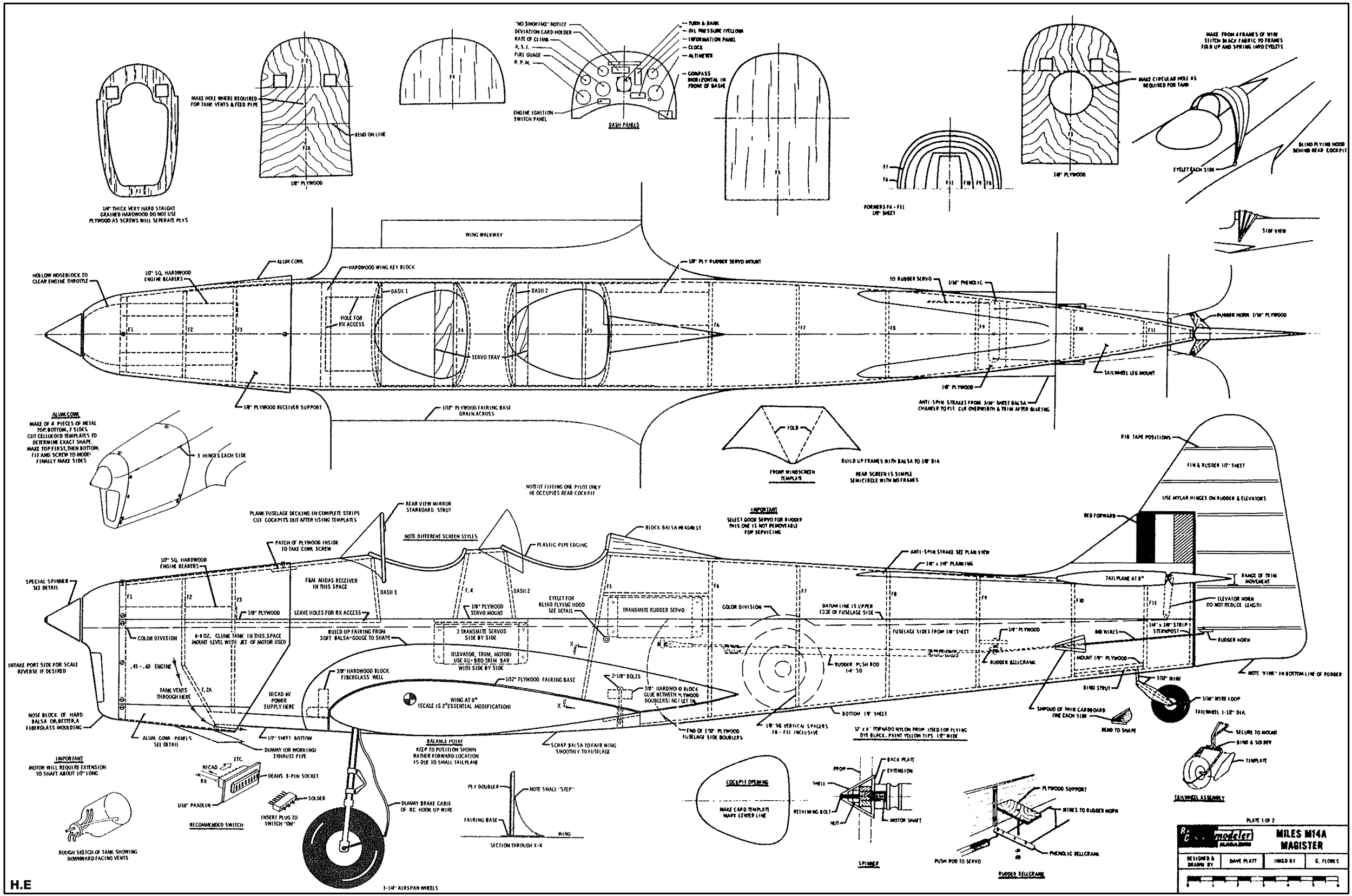
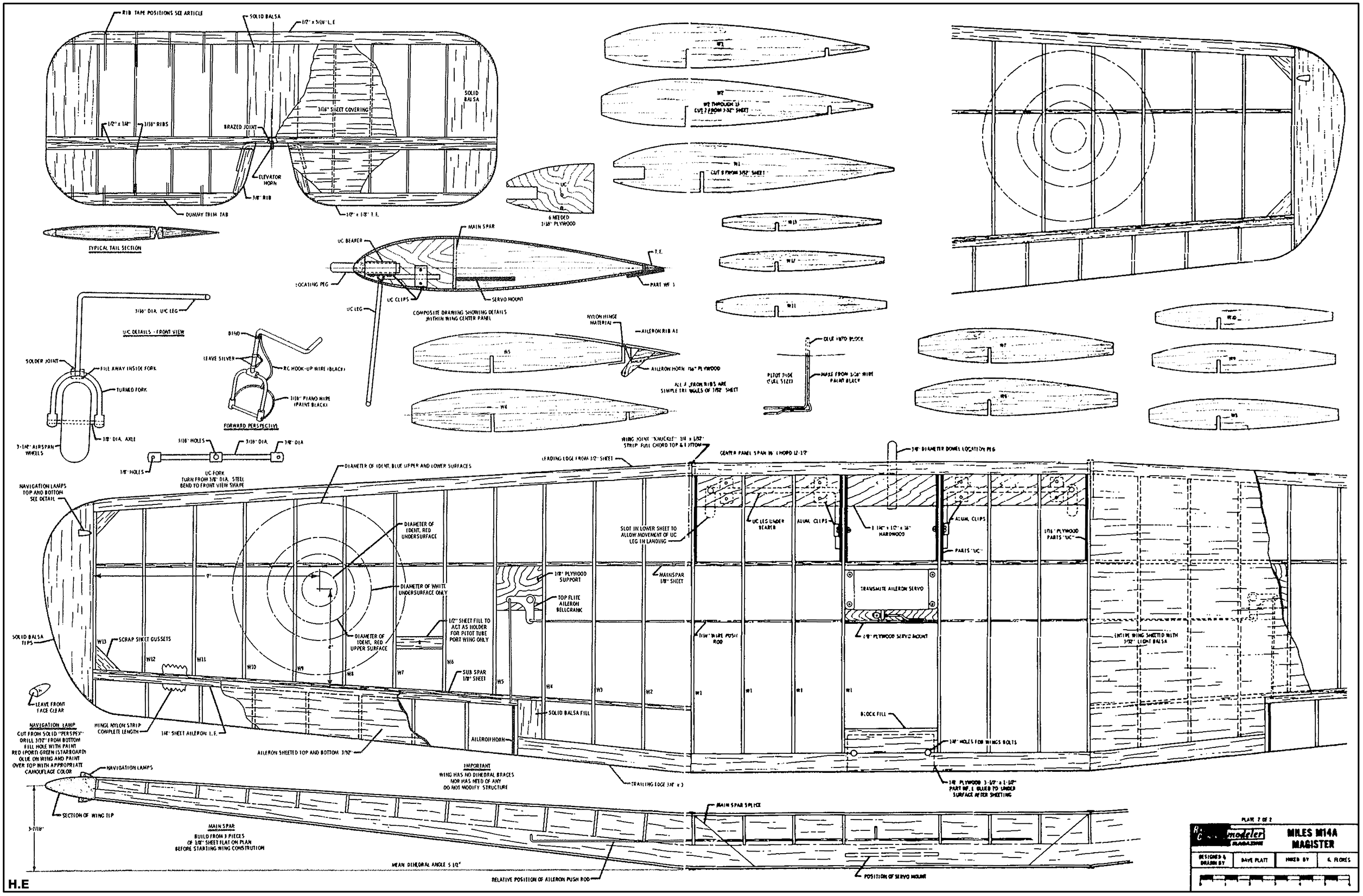

1/4" THICK VERY HARD STRAIGHT GRAINED HARDWOOD DO NOT USE PLYWOOD AS SCREWS WILL SEPERATE PLYS
MAKE HOLE WHERE REQUIRED FOR TANK VENTS & FEED PIPE
BEND ON LINE
1/8" PLYWOOD
"NO SMOKING" NOTICE
DEVIATION CARD HOLDER
RATE OF CLIMB
A.S.I.
FUEL GUAGE
R.P.M.
ENGINE IGNITION SWITCH PANEL
TURN & BANK
OIL PRESSURE (YELLOW)
INFORMATION PANEL
CLOCK
ALTIMETER
COMPASS (HORIZONTAL IN FRONT OF DASH)
DASH PANELS
FORMERS F6 - F11 1/8" SHEET
MAKE CIRCULAR HOLE AS REQUIRED FOR TANK
MAKE FROM 4 FRAMES OF WIRE STITCH BLACK FABRIC TO FRAMES FOLD UP AND SPRING INTO EYELETS
EYELET EACH SIDE
BLIND FLYING HOOD BEHIND REAR COCKPIT
SIDE VIEW
WING WALKWAY
ALUM COWL
HOLLOW NOSEBLOCK TO CLEAR ENGINE THROTTLE
1/2" SQ. HARDWOOD ENGINE BEARERS
HARDWOOD WING KEY BLOCK
HOLE FOR RX ACCESS
DASH 1
DASH 2
SERVO TRAY
1/8" PLY RUDDER SERVO MOUNT
TO RUDDER SERVO
1/16" PHENOLIC
RUDDER HORN 1/16" PLYWOOD
TAILWHEEL LEG MOUNT
1/8" PLYWOOD
ANTI-SPIN STRAKES FROM 1/16" SHEET BALSA CHAMFER TO FIT. CUT OVERWIDTH & TRIM AFTER GLUEING
1/8" PLYWOOD RECEIVER SUPPORT
1/2" PLYWOOD FAIRING BASE GRAIN ACROSS
ALUM COWL
MAKE OF 4 PIECES OF METAL TOP, BOTTOM, 2 SIDES. CUT CELLULOID TEMPLATES TO DETERMINE EXACT SHAPE. MAKE TOP FIRST, THEN BOTTOM. FIT AND SCREW TO MODEL FINALLY MAKE SIDES
3 HINGES EACH SIDE
FOLD
FRONT WINDSCREEN TEMPLATE
BUILD UP FRAMES WITH BALSA TO 1/8" DIA
REAR SCREEN IS SIMPLE SEMICIRCLE WITH NO FRAMES
NOTE: IF FITTING ONE PILOT ONLY HE OCCUPIES REAR COCKPIT
F18 TAPE POSITIONS
FIN & RUDDER 1/2" SHEET
USE MYLAR HINGES ON RUDDER & ELEVATORS
RED FORWARD
REAR VIEW MIRROR STARBOARD STRUT
PLANK FUSELAGE DECKING IN COMPLETE STRIPS CUT COCKPITS OUT AFTER USING TEMPLATES
PATCH OF PLYWOOD INSIDE TO TAKE COWL SCREW
NOTE DIFFERENT SCREEN STYLES
PLASTIC PIPE EDGING
BLOCK BALSA HEADREST
IMPORTANT
SELECT GOOD SERVO FOR RUDDER THIS ONE IS NOT REMOVEABLE FOR SERVICING
ANTI-SPIN STRAKE SEE PLAN VIEW
1/8" x 1/8" PLANKING
TAILPLANE AT 0°
RANGE OF TRIM MOVEMENT
SPECIAL SPINNER SEE DETAIL
1/2" SQ. HARDWOOD ENGINE BEARERS
F&M MIDAS RECEIVER IN THIS SPACE
DASH 1
DASH 2
1/8" PLYWOOD
LEAVE HOLES FOR RX ACCESS
1/8" PLYWOOD SERVO MOUNT
EYELET FOR BLIND FLYING HOOD SEE DETAIL
TRANSMITE RUDDER SERVO
COLOR DIVISION
DATUM LINE IS UPPER EDGE OF FUSELAGE SIDE
ELEVATOR HORN (DO NOT REDUCE LENGTH)
COLOR DIVISION
6-8 OZ. CLUNK TANK IN THIS SPACE MOUNT LEVEL WITH JET OF MOTOR USED
BUILD UP FAIRING FROM SOFT BALSA-GOUGE TO SHAPE
3 TRANSMITE SERVOS SIDE BY SIDE
(ELEVATOR, TRIM, MOTOR) USE DU-BRO TRIM BAR WITH SIDE BY SIDE
FUSELAGE SIDES FROM 1/8" SHEET
1/8" PLYWOOD
1/4" x 1/8" STRIP STERNPOST
RUDDER HORN
INTAKE PORT SIDE FOR SCALE REVERSE IF DESIRED
.45 - .60 ENGINE
TANK VENTS THROUGH HERE
NICAD 4V POWER SUPPLY HERE
3/8" HARDWOOD BLOCK FIBERGLASS WELL
1/2" PLYWOOD FAIRING BASE
WING AT 0° (SCALE IS 2° ESSENTIAL MODIFICATION)
2-1/8" BOLTS
3/8" HARDWOOD BLOCK GLUE BETWEEN PLYWOOD DOUBLERS: NOT LET IN
RUDDER PUSH ROD 1/4" SQ
RUDDER BELLCRANK
MOUNT 1/8" PLYWOOD
BOTTOM 1/8" SHEET
NOTE "KINK" IN BOTTOM LINE OF RUDDER
BIND STRUT
3/32" WIRE
1/16" WIRE LOOP
TAILWHEEL 1-1/2" DIA
SHROUD OF THIN CARDBOARD ONE EACH SIDE
BIND TO SHAPE
NOSE BLOCK OF HARD BALSA OR, BETTER, A FIBERGLASS MOULDING
ALUM. COWL PANELS SEE DETAIL
1/2" SHEET BOTTOM
DUMMY (OR WORKING) EXHAUST PIPE
END OF 1/2" PLYWOOD FUSELAGE SIDE DOUBLERS
1/8" SQ VERTICAL SPACERS F6 - F11 INCLUSIVE
12" x 6" TORNADO NYLON PROP USED FOR FLYING DYE BLACK. PAINT YELLOW TIPS 1/2" WIDE
SECURE TO MOUNT
BIND & SOLDER
TEMPLATE
TAILWHEEL ASSEMBLY
IMPORTANT
MOTOR WILL REQUIRE EXTENSION TO SHAFT ABOUT 1/2" LONG
BALANCE POINT
KEEP TO POSITION SHOWN RATHER FORWARD LOCATION IS DUE TO SMALL TAILPLANE
SCRAP BALSA TO FAIR WING SMOOTHLY TO FUSELAGE
ETC.
NICAD
RX
DEANS 8-PIN SOCKET
1/16" PAXOLIN
SOLDER
INSERT PLUG TO SWITCH "ON"
RECOMMENDED SWITCH
DUMMY BRAKE CABLE OF RC HOOK UP WIRE
PLY DOUBLER
NOTE SMALL "STEP"
FAIRING BASE
WING
SECTION THROUGH X-X
COCKPIT OPENING
MAKE CARD TEMPLATE MARK CENTER LINE
BACK PLATE
EXTENSION
PROP
SHELL
RETAINING BOLT
NUT
MOTOR SHAFT
SPINNER
PLYWOOD SUPPORT
WIRES TO RUDDER HORN
PHENOLIC BELLCRANK
PUSH ROD TO SERVO
RUDDER BELLCRANK
ROUGH SKETCH OF TANK SHOWING DOWNWARD FACING VENTS
3-1/2" AIRSPAN WHEELS
H.E
PLATE 1 OF 2
R/C modeler MAGAZINE
MILES M14A MAGISTER
DESIGNED & DRAWN BY
DAVE PLATT
INKED BY
G. FLORES


RIB TAPE POSITIONS SEE ARTICLE
SOLID BALSA
1/2" x 3/16" L.E.
SOLID BALSA
3/16" SHEET COVERING
1/2" x 1/4"
3/16" RIBS
BRAZED JOINT
ELEVATOR HORN
3/8" RIB
DUMMY TRIM TAB
1/2" x 1/8" T.E.
TYPICAL TAIL SECTION
W1
W2
W2 THROUGH 13
CUT 2 FROM 3/32" SHEET
W1
CUT 8 FROM 3/32" SHEET
UC
6 NEEDED
3/16" PLYWOOD
W13
W12
W11
MAIN SPAR
UC BEARER
T.E.
LOCATING PEG
UC CLIPS
SERVO MOUNT
PART WF 3
UC LEG
COMPOSITE DRAWING SHOWING DETAILS WITHIN WING CENTER PANEL
3/16" DIA. UC LEG
UC DETAILS - FRONT VIEW
SOLDER JOINT
FILE AWAY INSIDE FORK
TURNED FORK
1/8" DIA. AXLE
3-1/4" AIRSPAN WHEELS
BEND
LEAVE SILVER
R.C. HOOK-UP WIRE (BLACK)
3/16" PIANO WIRE (PAINT BLACK)
FORWARD PERSPECTIVE
3/16" HOLES
3/16" DIA.
3/8" DIA
3/8" HOLES
UC FORK
TURN FROM 3/8" DIA. STEEL
BEND TO FRONT VIEW SHAPE
NYLON HINGE MATERIAL
AILERON RIB A1
W5
AILERON HORN 1/16" PLYWOOD
ALL A SERIES RIBS ARE SIMPLE TRI SCALES OF 3/32" SHEET
W4
GLUE INTO BLOCK
PITOT TUBE (FULL SIZE)
MAKE FROM 3/16" WIRE PAINT BLACK
W7
W8
W9
W10
W6
WING JOINT "KNUCKLE" 1/4 x 1/32" STRIP FULL CHORD TOP & BOTTOM
CENTER PANEL SPAN IN CHORD 12-1/2"
3/8" DIAMETER DOWEL LOCATION PEG
LEADING EDGE FROM 1/2" SHEET
DIAMETER OF IDENT. BLUE UPPER AND LOWER SURFACES
NAVIGATION LAMPS TOP AND BOTTOM SEE DETAIL
DIAMETER OF IDENT. RED UNDERSURFACE
DIAMETER OF WHITE UNDERSURFACE ONLY
DIAMETER OF IDENT. RED UPPER SURFACE
9"
2"
SLOT IN LOWER SHEET TO ALLOW MOVEMENT OF UC LEG IN LANDING
UC LEG UNDER BEARER
ALUM. CLIPS
1 1/4" x 1/2" x 36" HARDWOOD
ALUM. CLIPS
1/16" PLYWOOD PARTS "UC"
PARTS "UC"
1/8" PLYWOOD SUPPORT
TOP FLITE AILERON BELLCRANK
MAINSPAR 1/8" SHEET
TRANSMITE AILERON SERVO
1/2" SHEET FILL TO ACT AS HOLDER FOR PITOT TUBE PORT WING ONLY
1/8" PLYWOOD SERVO MOUNT
ENTIRE WING SHEETED WITH 3/32" LIGHT BALSA
SOLID BALSA TIPS
SCRAP SHEET GUSSETS
W13
W12
W11
W10
W9
W8
W7
W6
W5
W4
W3
W2
W1
SUB SPAR 1/8" SHEET
LEAVE FRONT FACE CLEAR
SOLID BALSA FILL
BLOCK FILL
NAVIGATION LAMP
CUT FROM SOLID "PERSPEX" DRILL 3/32" FROM BOTTOM FILL HOLE WITH PAINT RED (PORT) GREEN (STARBOARD) GLUE ON WING AND PAINT OVER TOP WITH APPROPRIATE CAMOUFLAGE COLOR
HINGE NYLON STRIP COMPLETE LENGTH
1/8" SHEET AILERON L.E.
AILERON HORN
3/8" HOLES FOR WINGS BOLTS
AILERON SHEETED TOP AND BOTTOM 3/32"
IMPORTANT
WING HAS NO DIHEDRAL BRACES NOR HAS NEED OF ANY DO NOT MODIFY STRUCTURE
TRAILING EDGE 3/8" x 3
1/8" PLYWOOD 3-1/2" x 1-1/2" PART WF 1 GLUED TO UNDER SURFACE AFTER SHEETING
NAVIGATION LAMPS
SECTION OF WING TIP
3-7/16"
MAIN SPAR
BUILD FROM 3 PIECES OF 1/8" SHEET FLAT ON PLAN BEFORE STARTING WING CONSTRUCTION
MAIN SPAR SPLICE
MEAN DIHEDRAL ANGLE 5 1/2"
RELATIVE POSITION OF AILERON PUSH ROD
POSITION OF SERVO MOUNT
PLAN 2 OF 2
model
MILES M14A MAGISTER
DESIGNED & DRAWN BY
DAVE PLATT
INKED BY
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H.E