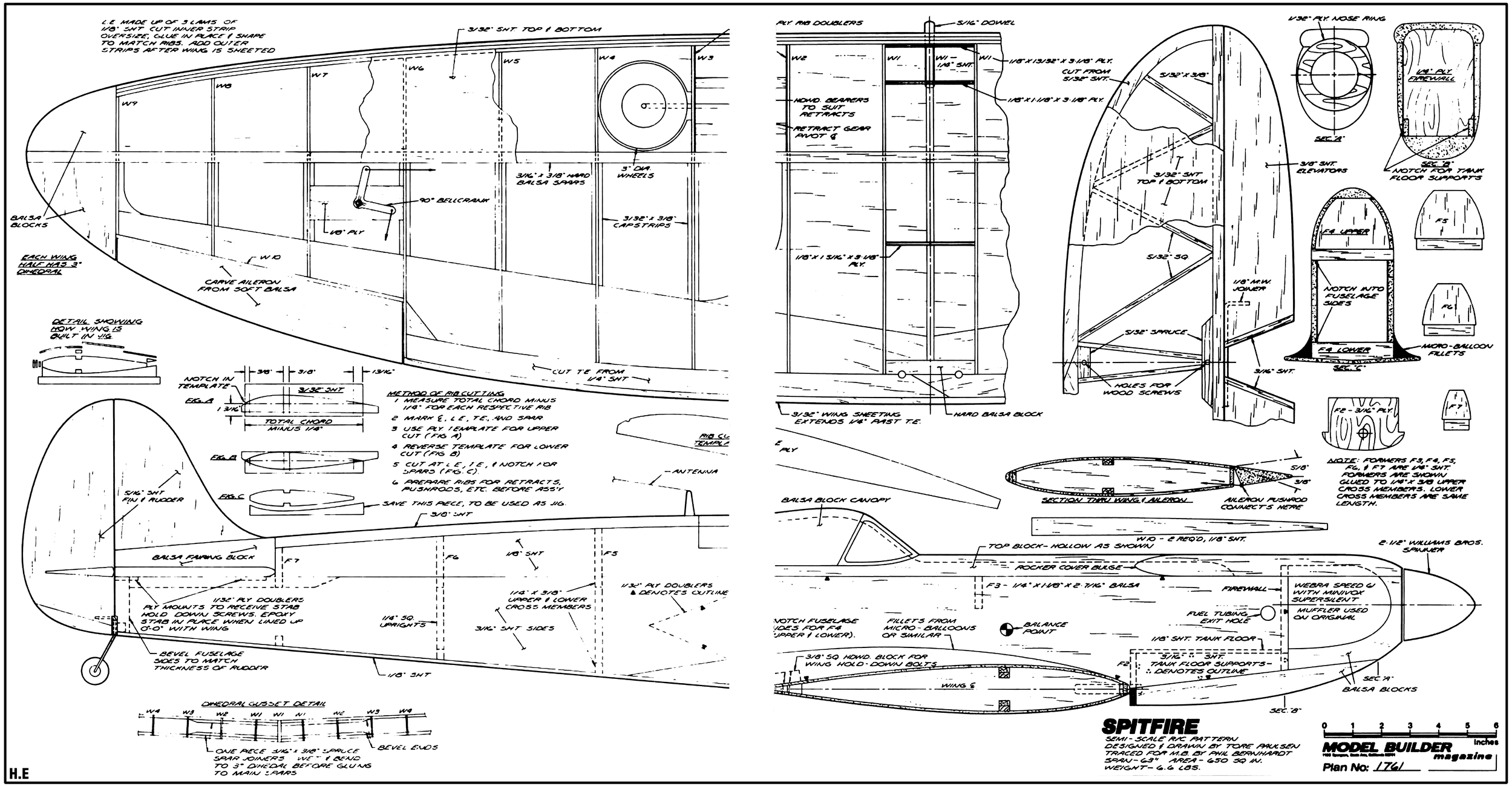
L.E. MADE UP OF 3 LAMS. OF 1/8" SHT. CUT INNER STRIP OVERSIZE, GLUE IN PLACE & SHAPE TO MATCH RIBS. ADD OUTER STRIPS AFTER WING IS SHEETED
3/32" SHT. TOP & BOTTOM
W4
W3
W7
W6
W5
W4
W3
3/16" x 3/8" HARD BALSA SPARS
3" DIA. WHEELS
90° BELLCRANK
1/8" PLY
3/32" x 3/8" CAPSTRIPS
BALSA BLOCKS
EACH WING HALF HAS 3° DIHEDRAL
W10
CARVE AILERON FROM SOFT BALSA
CUT T.E. FROM 1/4" SHT.
DETAIL SHOWING HOW WING IS BUILT IN JIG
NOTCH IN TEMPLATE
3/8"
3/8"
13/16"
3/32" SHT.
FIG. A
1 3/16"
TOTAL CHORD MINUS 1/4"
FIG. B
FIG. C
SAVE THIS PIECE, TO BE USED AS JIG.
METHOD OF RIB CUTTING
1 MEASURE TOTAL CHORD MINUS 1/8" FOR EACH RESPECTIVE RIB
2 MARK ℄, L.E., T.E., AND SPAR
3 USE PLY TEMPLATE FOR UPPER CUT (FIG. A)
4 REVERSE TEMPLATE FOR LOWER CUT (FIG. B)
5 CUT AT L.E., T.E., & NOTCH FOR SPARS (FIG. C).
6 PREPARE RIBS FOR RETRACTS, PUSHRODS, ETC. BEFORE ASS'Y
ANTENNA
3/16" SHT. FIN & RUDDER
3/8" SHT.
BALSA FAIRING BLOCK
F7
F6
1/8" SHT.
F5
1/32" PLY DOUBLERS ▲ DENOTES OUTLINE
1/32" PLY DOUBLERS PLY MOUNTS TO RECEIVE STAB HOLD DOWN SCREWS. EPOXY STAB IN PLACE WHEN LINED UP 0-0° WITH WING
1/4" SQ. UPRIGHTS
1/4" x 3/8" UPPER & LOWER CROSS MEMBERS
3/16" SHT. SIDES
BEVEL FUSELAGE SIDES TO MATCH THICKNESS OF RUDDER
1/8" SHT.
DIHEDRAL GUSSET DETAIL
W4
W3
W2
W1
W1
W1
W2
W3
W4
ONE PIECE 3/16" x 3/8" SPRUCE SPAR JOINERS WET & BEND TO 3° DIHEDAL BEFORE GLUING TO MAIN SPARS
BEVEL ENDS
PLY RIB DOUBLERS
5/16" DOWEL
W2
W1
W1 – 1/8" SHT.
W1
1/8" x 13/32" x 3 1/8" PLY.
CUT FROM 5/32" SHT.
1/8" x 1 1/8" x 3 1/8" PLY.
HDWD. BEARERS TO SUIT RETRACTS
RETRACT GEAR PIVOT ℄
1/8" x 1 5/16" x 3 1/8" PLY.
3/32" WING SHEETING EXTENDS 1/4" PAST T.E.
HARD BALSA BLOCK
1/32" PLY. NOSE RING
SEC. "A"
1/8" PLY. FIREWALL
SEC. "B"
NOTCH FOR TANK FLOOR SUPPORTS
5/32" x 3/8"
3/8" SHT. ELEVATORS
3/32" SHT. TOP & BOTTOM
5/32" SQ.
1/8" M.W. JOINER
5/32" SPRUCE
HOLES FOR WOOD SCREWS
3/16" SHT.
F4 UPPER
NOTCH INTO FUSELAGE SIDES
F4 LOWER
SEC. "C"
MICRO-BALLOON FILLETS
F5
F6
F2 - 3/16" PLY.
F7
NOTE: FORMERS F5, F6, F5, F6, & F7 ARE 1/8" SHT. FORMERS ARE SHOWN GLUED TO 1/4" x 3/8 UPPER CROSS MEMBERS. LOWER CROSS MEMBERS ARE SAME LENGTH.
PLY
5/8"
3/8"
SECTION THRU WING & AILERON
AILERON PUSHROD CONNECTS HERE
W10 - 2 REQ'D, 1/8" SHT.
BALSA BLOCK CANOPY
TOP BLOCK - HOLLOW AS SHOWN
2-1/2" WILLIAMS BROS. SPINNER
ROCKER COVER BULGE
F3 - 1/4" x 1 1/8" x 2 7/16" BALSA
FIREWALL
WEBRA SPEED 6 WITH MINIVOX SUPERSILENT
MUFFLER USED ON ORIGINAL
FUEL TUBING EXIT HOLE
NOTCH FUSELAGE SIDES FOR F4 (UPPER & LOWER).
FILLETS FROM MICRO-BALLOONS OR SIMILAR
BALANCE POINT
1/8" SHT. TANK FLOOR
3/8" SQ. HDWD. BLOCK FOR WING HOLD-DOWN BOLTS
F2
3/16" SHT. TANK FLOOR SUPPORTS - ∴ DENOTES OUTLINE
WING ℄
SEC. "A"
BALSA BLOCKS
SEC. "B"
SPITFIRE
SEMI-SCALE R/C PATTERN
DESIGNED & DRAWN BY TORE PAULSEN
TRACED FOR M.B. BY PAUL BERNHARDT
SPAN - 63" AREA - 650 SQ. IN.
WEIGHT - 6.6 LBS.
0 1 2 3 4 5 6
Inches
MODEL BUILDER magazine
Plan No: 1761
H.E