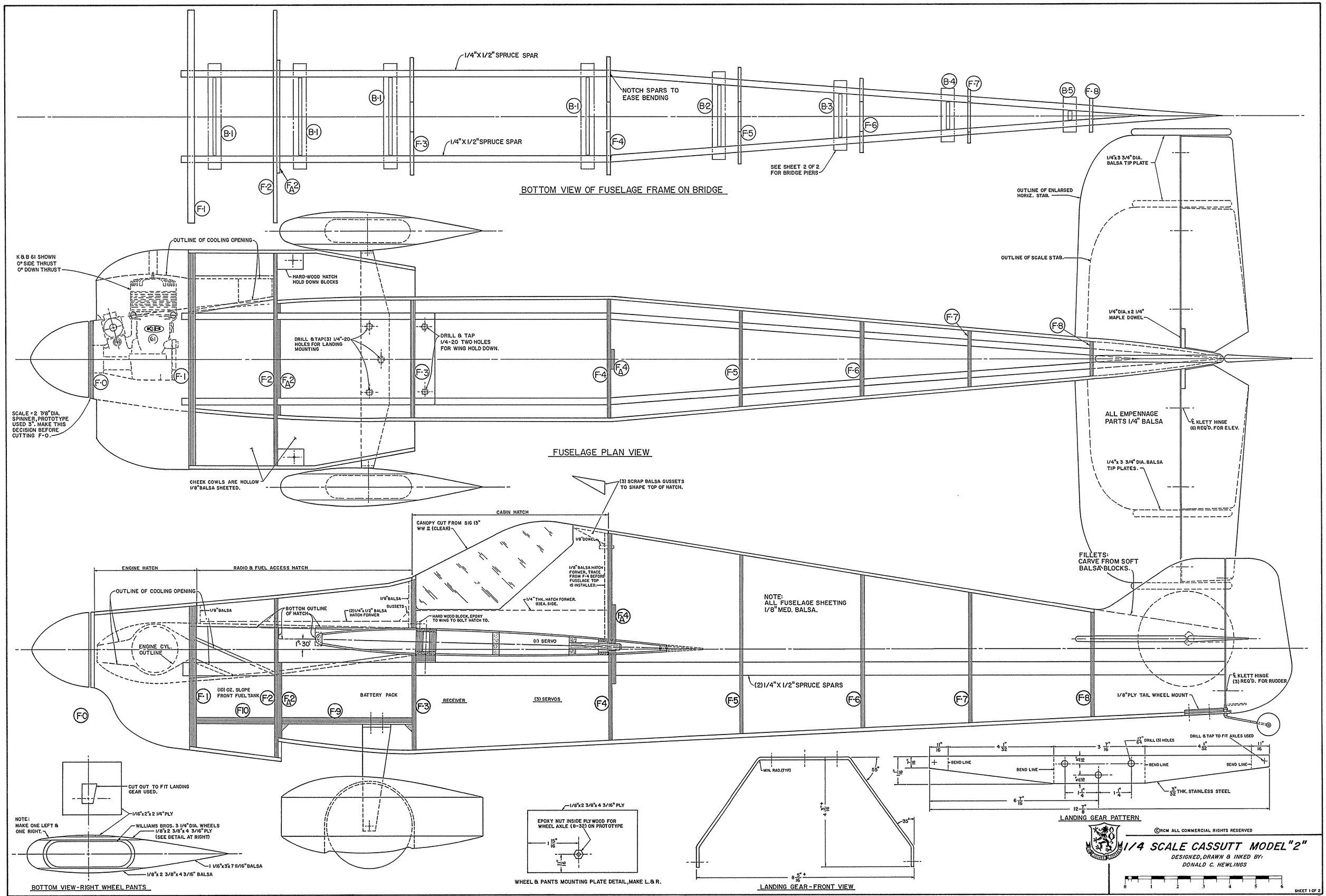
1/4"X1/2" SPRUCE SPAR
NOTCH SPARS TO EASE BENDING
1/4"X1/2" SPRUCE SPAR
SEE SHEET 2 OF 2 FOR BRIDGE PIERS
BOTTOM VIEW OF FUSELAGE FRAME ON BRIDGE
1/4"x3 3/4" DIA. BALSA TIP PLATE
OUTLINE OF ENLARGED HORIZ. STAB.
OUTLINE OF COOLING OPENING
K&B 61 SHOWN 0° SIDE THRUST 0° DOWN THRUST
HARD-WOOD HATCH HOLD DOWN BLOCKS
OUTLINE OF SCALE STAB.
1/4" DIA. x 2 1/4" MAPLE DOWEL
DRILL & TAP (3) 1/4"-20 HOLES FOR LANDING MOUNTING
DRILL & TAP 1/4-20 TWO HOLES FOR WING HOLD DOWN.
SCALE = 2 7/8" DIA. SPINNER, PROTOTYPE USED 3". MAKE THIS DECISION BEFORE CUTTING F-0.
ALL EMPENNAGE PARTS 1/4" BALSA
℄ KLETT HINGE (6) REQ'D. FOR ELEV.
1/4"x 3 3/4" DIA. BALSA TIP PLATES.
FUSELAGE PLAN VIEW
CHEEK COWLS ARE HOLLOW 1/8" BALSA SHEETED.
(3) SCRAP BALSA GUSSETS TO SHAPE TOP OF HATCH.
CABIN HATCH
CANOPY CUT FROM SIG 13" WW II (CLEAR)
1/8" DOWEL
1/8" BALSA HATCH FORMER, TRACE FROM F-4 BEFORE FUSELAGE TOP IS INSTALLED.
1/4" THK. HATCH FORMER. (1) EA. SIDE.
FILLETS: CARVE FROM SOFT BALSA BLOCKS.
ENGINE HATCH
RADIO & FUEL ACCESS HATCH
OUTLINE OF COOLING OPENING
1/8" BALSA
BOTTOM OUTLINE OF HATCH
(2) 1/4" x 1/2" BALSA HATCH FORMER
GUSSETS
HARD WOOD BLOCK, EPOXY TO WING TO BOLT HATCH TO.
1° 30'
(1) SERVO
ENGINE CYL. OUTLINE
NOTE: ALL FUSELAGE SHEETING 1/8" MED. BALSA.
(2) 1/4" X 1/2" SPRUCE SPARS
℄ KLETT HINGE (3) REQ'D. FOR RUDDER
(10) OZ. SLOPE FRONT FUEL TANK
BATTERY PACK
RECEIVER
(3) SERVOS
1/8" PLY TAIL WHEEL MOUNT
CUT OUT TO FIT LANDING GEAR USED.
1/16"x2"x2 1/4" PLY
NOTE: MAKE ONE LEFT & ONE RIGHT.
WILLIAMS BROS. 3 1/4" DIA. WHEELS
1/8"x2 3/8"x4 3/16" PLY (SEE DETAIL AT RIGHT)
1 1/16"x3"x7 11/16" BALSA
1/8"x2 3/8"x4 3/16" BALSA
BOTTOM VIEW-RIGHT WHEEL PANTS
1/8"x2 3/8"x4 3/16" PLY
EPOXY NUT INSIDE PLYWOOD FOR WHEEL AXLE (8-32) ON PROTOTYPE
WHEEL & PANTS MOUNTING PLATE DETAIL, MAKE L. & R.
MIN. RAD. (TYP)
55°
35°
LANDING GEAR-FRONT VIEW
DRILL (3) HOLES
DRILL & TAP TO FIT AXLES USED
BEND LINE
3/32" THK. STAINLESS STEEL
LANDING GEAR PATTERN
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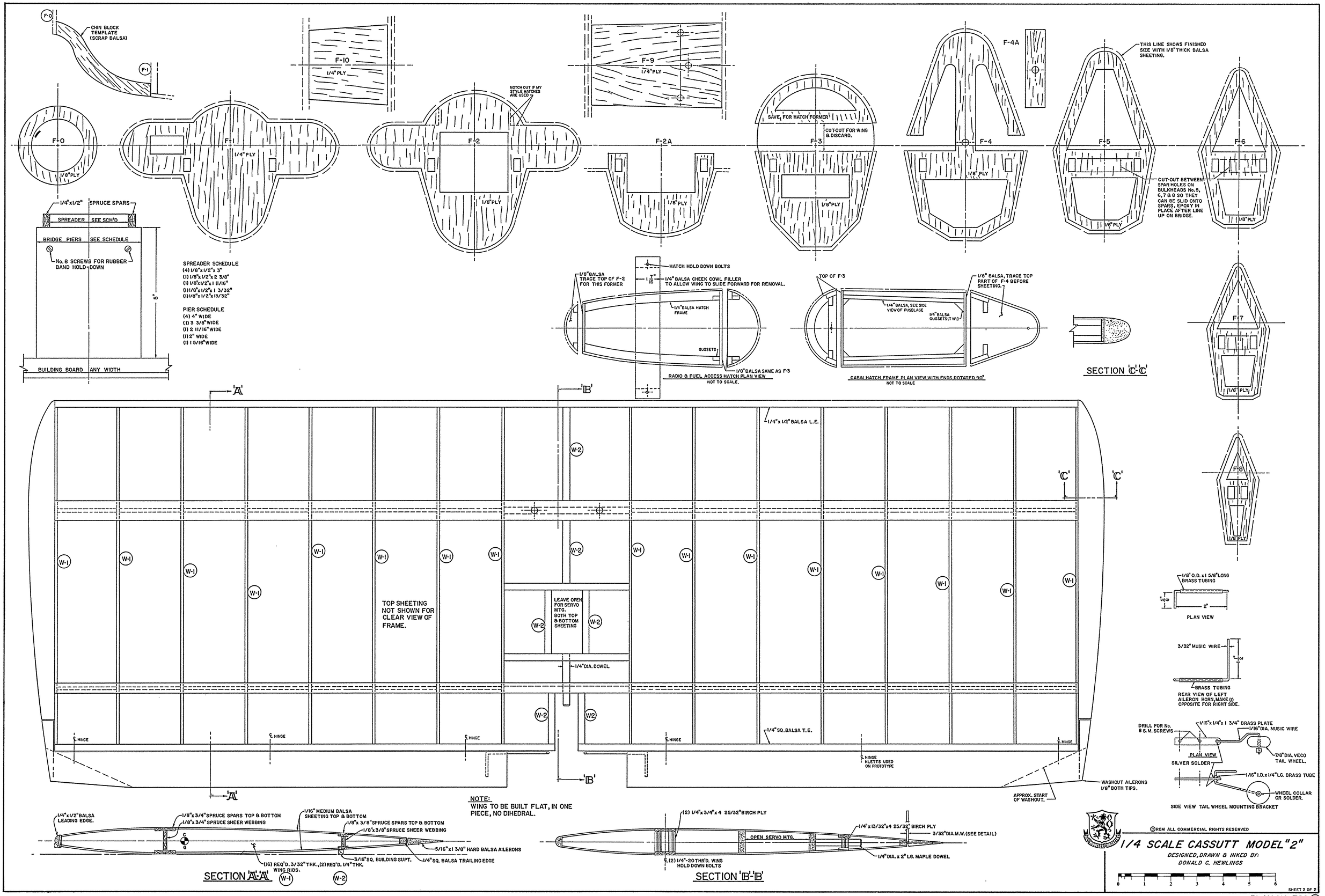
1/4 SCALE CASSUTT MODEL "2"
DESIGNED, DRAWN & INKED BY: DONALD C. HEWLINGS
SHEET 1 OF 2


CHIN BLOCK TEMPLATE (SCRAP BALSA)
F-0
F-1
F-10
1/4" PLY
F-9
1/4" PLY
NOTCH OUT IF MY STYLE HATCHES ARE USED
SAVE FOR HATCH FORMER
CUT-OUT FOR WING & DISCARD.
F-4A
THIS LINE SHOWS FINISHED SIZE WITH 1/8" THICK BALSA SHEETING.
CUT-OUT BETWEEN SPAR HOLES ON BULKHEADS No. 5, 6, 7 & 8 SO THEY CAN BE SLID ONTO SPARS. EPOXY IN PLACE AFTER LINE UP ON BRIDGE.
1/8" PLY
1/4"x1/2" SPRUCE SPARS
SPREADER SEE SCH'D
BRIDGE PIERS SEE SCHEDULE
No. 8 SCREWS FOR RUBBER BAND HOLD-DOWN
5"
BUILDING BOARD ANY WIDTH
SPREADER SCHEDULE
(4) 1/8"x1/2"x 3"
(1) 1/8"x1/2"x 2 3/8"
(1) 1/8"x1/2"x 1 11/16"
(1) 1/8"x1/2"x 1 3/32"
(1) 1/8"x 1/2"x 13/32"
PIER SCHEDULE
(4) 4" WIDE
(1) 3 3/8" WIDE
(1) 2 11/16" WIDE
(1) 2" WIDE
(1) 1 5/16" WIDE
HATCH HOLD DOWN BOLTS
1/8" BALSA TRACE TOP OF F-2 FOR THIS FORMER
1 7/16"
1/4" BALSA CHEEK COWL FILLER TO ALLOW WING TO SLIDE FORWARD FOR REMOVAL.
1/4" BALSA HATCH FRAME
GUSSETS
1/8" BALSA SAME AS F-3
RADIO & FUEL ACCESS HATCH PLAN VIEW
NOT TO SCALE.
TOP OF F-3
1/8" BALSA, TRACE TOP PART OF F-4 BEFORE SHEETING.
1/4" BALSA, SEE SIDE VIEW OF FUSELAGE
1/4" BALSA GUSSETS (1 YP.)
CABIN HATCH FRAME PLAN VIEW WITH ENDS ROTATED 90°
NOT TO SCALE
SECTION 'C'-'C'
F-7
F-8
'A'
'B'
'C'
1/4"x 1/2" BALSA L.E.
W-1
W-2
TOP SHEETING NOT SHOWN FOR CLEAR VIEW OF FRAME.
LEAVE OPEN FOR SERVO MTG. BOTH TOP & BOTTOM SHEETING
1/4" DIA. DOWEL
1/4" SQ. BALSA T.E.
℄ HINGE
℄ HINGE KLETTS USED ON PROTOTYPE
WASHOUT AILERONS 1/8" BOTH TIPS.
APPROX. START OF WASHOUT.
NOTE:
WING TO BE BUILT FLAT, IN ONE PIECE, NO DIHEDRAL.
1/8" O.D. x 1 5/8" LONG BRASS TUBING
1/2"
2"
PLAN VIEW
3/32" MUSIC WIRE
1/2"
BRASS TUBING
REAR VIEW OF LEFT AILERON HORN, MAKE (1) OPPOSITE FOR RIGHT SIDE.
DRILL FOR No. 8 S.M. SCREWS
1/16"x 1/4"x 1 3/4" BRASS PLATE
1/16" DIA. MUSIC WIRE
PLAN VIEW
7/8" DIA. VECO TAIL WHEEL.
SILVER SOLDER
1/16" I.D. x 1/4" LG. BRASS TUBE
WHEEL COLLAR OR SOLDER.
SIDE VIEW TAIL WHEEL MOUNTING BRACKET
1/4"x1/2" BALSA LEADING EDGE.
1/8"x 3/4" SPRUCE SPARS TOP & BOTTOM
1/8"x 3/4" SPRUCE SHEER WEBBING
1/16" MEDIUM BALSA SHEETING TOP & BOTTOM
1/8"x 3/8" SPRUCE SPARS TOP & BOTTOM
1/8"x 3/8" SPRUCE SHEER WEBBING
5/16"x 1 3/8" HARD BALSA AILERONS
3/16" SQ. BUILDING SUPT.
1/4" SQ. BALSA TRAILING EDGE
(16) REQ'D. 3/32" THK., (2) REQ'D. 1/4" THK. WING RIBS.
SECTION 'A'-'A'
(2) 1/4"x 3/4"x 4 25/32" BIRCH PLY
OPEN SERVO MTG.
1/4"x 13/32"x 4 25/32" BIRCH PLY
3/32" DIA. M.W. (SEE DETAIL)
1/4" DIA. x 2" LG. MAPLE DOWEL
(2) 1/4"-20 THR'D. WING HOLD DOWN BOLTS
SECTION 'B'-'B'
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1/4 SCALE CASSUTT MODEL "2"
DESIGNED, DRAWN & INKED BY:
DONALD C. HEWLINGS
0 1 2 3 4 5 6
SHEET 2 OF 2

PLAN NO. 780 ②