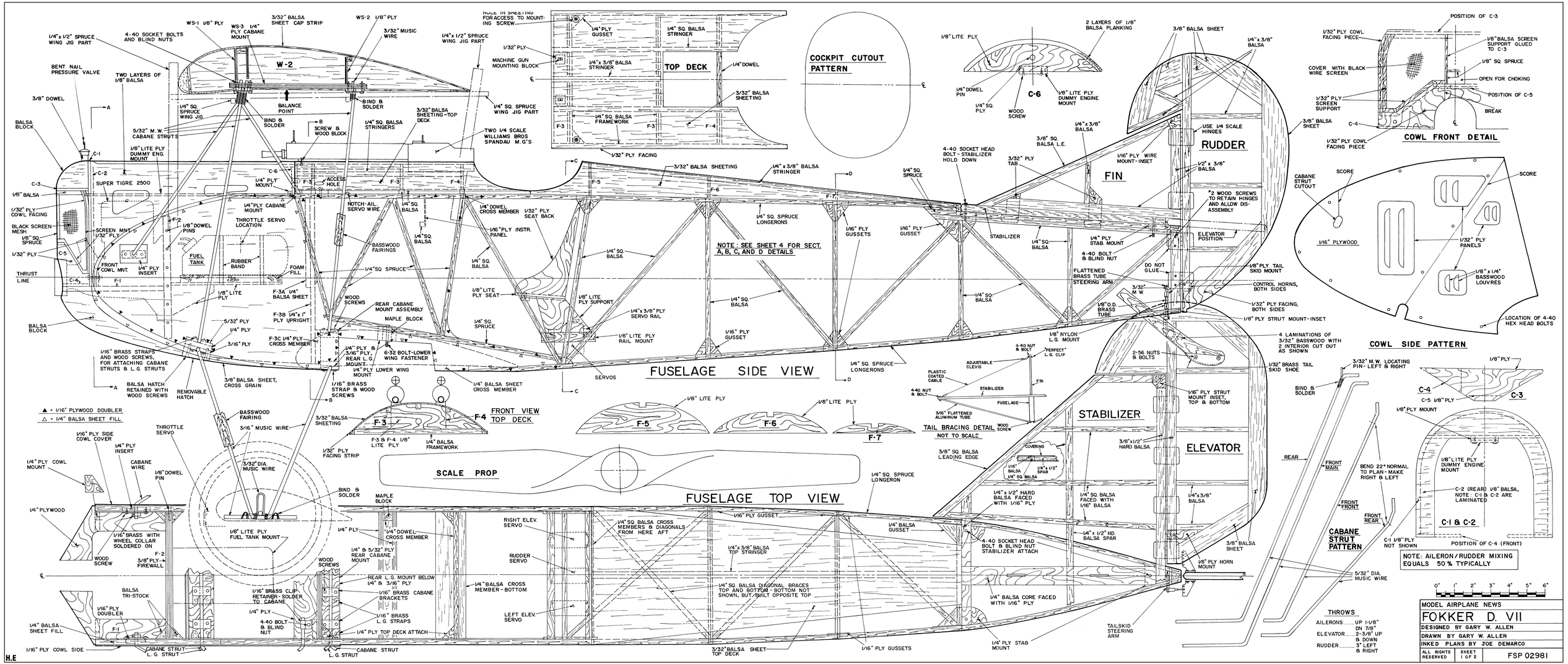
FUSELAGE SIDE VIEW
FUSELAGE TOP VIEW
W-2
TOP DECK
COCKPIT CUTOUT PATTERN
NOTE: SEE SHEET 4 FOR SECT. A, B, C, AND D DETAILS
SUPER TIGRE 2500
FUEL TANK
SERVOS
FRONT VIEW TOP DECK
F-3
F-4
F-5
F-6
F-7
SCALE PROP
TAIL BRACING DETAIL NOT TO SCALE
C-6
FIN
RUDDER
STABILIZER
ELEVATOR
COWL FRONT DETAIL
COWL SIDE PATTERN
CABANE STRUT PATTERN
C-1 & C-2
C-3
C-4
NOTE: AILERON/RUDDER MIXING EQUALS 50 % TYPICALLY
THROWS
AILERONS..... UP 1-1/8" DN 7/8"
ELEVATOR..... 2-3/8" UP & DOWN
RUDDER..... 3" LEFT & RIGHT
▲ = 1/16" PLYWOOD DOUBLER
△ = 1/4" BALSA SHEET FILL
MODEL AIRPLANE NEWS
FOKKER D. VII
DESIGNED BY GARY W. ALLEN
DRAWN BY GARY W. ALLEN
INKED PLANS BY JOE DEMARCO
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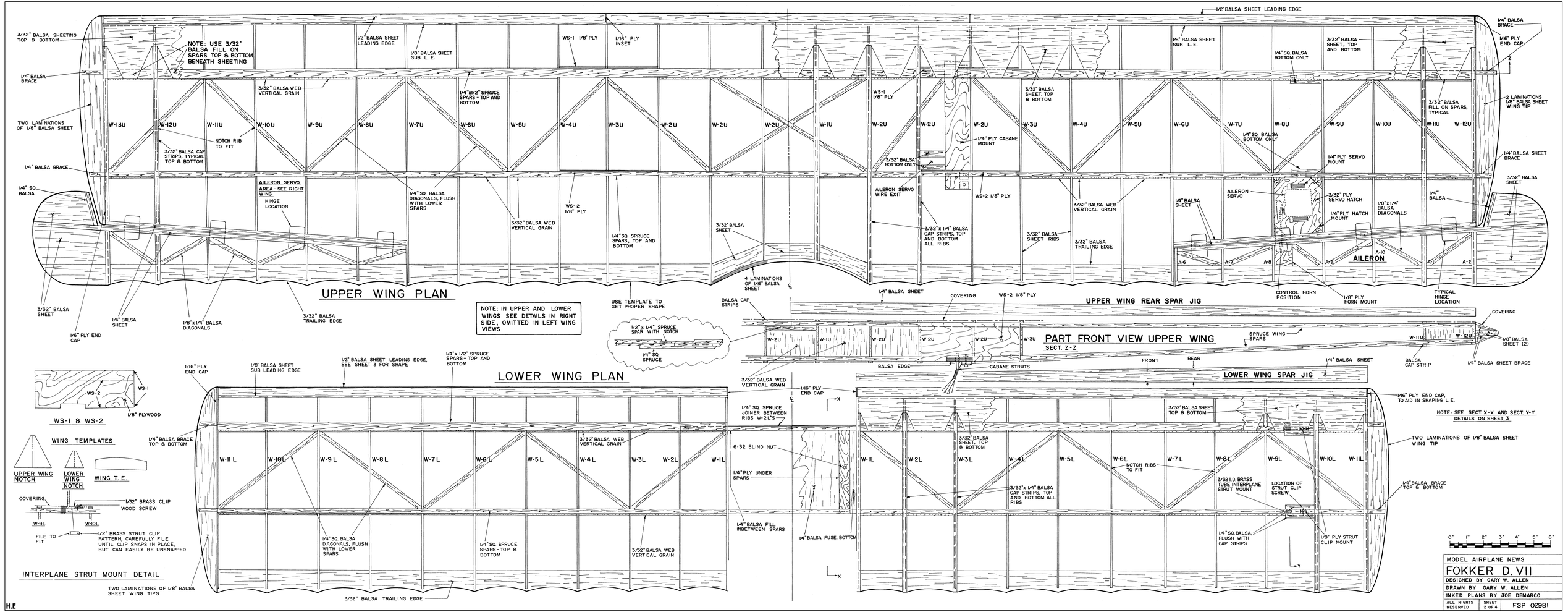
SHEET 1 OF 2
FSP 02981
H.E


UPPER WING PLAN
3/32" BALSA SHEETING TOP & BOTTOM
NOTE: USE 3/32" BALSA FILL ON SPARS TOP & BOTTOM BENEATH SHEETING
1/4" BALSA BRACE
TWO LAMINATIONS OF 1/8" BALSA SHEET
1/4" BALSA BRACE
1/4" SQ. BALSA
3/32" BALSA SHEET
1/6" PLY END CAP
1/4" BALSA SHEET
1/8"x1/4" BALSA DIAGONALS
3/32" BALSA TRAILING EDGE
AILERON SERVO AREA - SEE RIGHT WING
HINGE LOCATION
3/32" BALSA CAP STRIPS, TYPICAL TOP & BOTTOM
NOTCH RIB TO FIT
3/32" BALSA WEB VERTICAL GRAIN
1/2" BALSA SHEET LEADING EDGE
1/8" BALSA SHEET SUB L.E.
1/4"x1/2" SPRUCE SPARS - TOP AND BOTTOM
1/4" SQ. BALSA DIAGONALS, FLUSH WITH LOWER SPARS
3/32" BALSA WEB VERTICAL GRAIN
WS-1 1/8" PLY
1/16" PLY INSET
WS-2 1/8" PLY
1/4" SQ. SPRUCE SPARS, TOP AND BOTTOM
3/32" BALSA SHEET
4 LAMINATIONS OF 1/6" BALSA SHEET
USE TEMPLATE TO GET PROPER SHAPE
W-13U W-12U W-11U W-10U W-9U W-8U W-7U W-6U W-5U W-4U W-3U W-2U W-2U W-2U W-1U W-2U W-2U W-2U W-3U W-4U W-5U W-6U W-7U W-8U W-9U W-10U W-11U W-12U
1/2" BALSA SHEET LEADING EDGE
1/6" BALSA SHEET SUB L.E.
1/4" SQ. BALSA BOTTOM ONLY
3/32" BALSA SHEET, TOP AND BOTTOM
1/4" BALSA BRACE
1/6" PLY END CAP
2 LAMINATIONS 1/8" BALSA SHEET WING TIP
3/32" BALSA FILL ON SPARS, TYPICAL
1/4" BALSA SHEET BRACE
3/32" BALSA SHEET
1/4" BALSA
WS-1 1/8" PLY
3/32" BALSA SHEET, TOP & BOTTOM
1/4" PLY CABANE MOUNT
3/32" BALSA BOTTOM ONLY
AILERON SERVO WIRE EXIT
WS-2 1/8" PLY
3/32" BALSA WEB VERTICAL GRAIN
3/32" x 1/4" BALSA CAP STRIPS, TOP AND BOTTOM ALL RIBS
3/32" BALSA SHEET RIBS
3/32" BALSA TRAILING EDGE
1/4" SQ. BALSA BOTTOM ONLY
1/4" PLY SERVO MOUNT
1/4" BALSA SHEET
AILERON SERVO
3/32" PLY SERVO HATCH
1/4" PLY HATCH MOUNT
1/8" x 1/4" BALSA DIAGONALS
A-6 A-7 A-8 A-9 A-10 A-1 A-2
AILERON
CONTROL HORN POSITION
1/8" PLY HORN MOUNT
TYPICAL HINGE LOCATION
UPPER WING REAR SPAR JIG
1/4" BALSA SHEET
COVERING
WS-2 1/8" PLY
BALSA CAP STRIPS
1/2" x 1/4" SPRUCE SPAR WITH NOTCH
1/4" SQ. SPRUCE
W-2U W-1U W-2U W-2U W-2U W-3U
PART FRONT VIEW UPPER WING
SECT. Z-Z
SPRUCE WING SPARS
W-11U W-12U
1/8" BALSA SHEET (2)
BALSA EDGE
CABANE STRUTS
FRONT
REAR
1/4" BALSA SHEET
BALSA CAP STRIP
1/4" BALSA SHEET BRACE
NOTE: IN UPPER AND LOWER WINGS SEE DETAILS IN RIGHT SIDE, OMITTED IN LEFT WING VIEWS
LOWER WING PLAN
1/16" PLY END CAP
1/8" BALSA SHEET SUB LEADING EDGE
1/2" BALSA SHEET LEADING EDGE, SEE SHEET 3 FOR SHAPE
1/4" x 1/2" SPRUCE SPARS - TOP AND BOTTOM
1/4" BALSA BRACE TOP & BOTTOM
W-11 L W-10L W-9 L W-8 L W-7 L W-6 L W-5 L W-4 L W-3L W-2L W-1L
1/4" SQ. BALSA DIAGONALS, FLUSH WITH LOWER SPARS
1/4" SQ. SPRUCE SPARS - TOP & BOTTOM
3/32" BALSA WEB VERTICAL GRAIN
3/32" BALSA TRAILING EDGE
TWO LAMINATIONS OF 1/8" BALSA SHEET WING TIPS
3/32" BALSA WEB VERTICAL GRAIN
1/16" PLY END CAP
1/4" SQ. SPRUCE JOINER BETWEEN RIBS W-2 L'S
6-32 BLIND NUT
1/4" PLY UNDER SPARS
1/4" BALSA FILL INBETWEEN SPARS
1/4" BALSA FUSE BOTTOM
X
LOWER WING SPAR JIG
3/32" BALSA SHEET, TOP & BOTTOM
3/32" BALSA SHEET TOP & BOTTOM
3/32" x 1/4" BALSA CAP STRIPS, TOP AND BOTTOM ALL RIBS
W-1L W-2L W-3L W-4L W-5L W-6L W-7L W-8L W-9L W-10L W-11L
NOTCH RIBS TO FIT
3/32 I.D. BRASS TUBE INTERPLANE STRUT MOUNT
LOCATION OF STRUT CLIP SCREW
1/4" SQ. BALSA, FLUSH WITH CAP STRIPS
1/8" PLY STRUT CLIP MOUNT
Y
1/16" PLY END CAP, TO AID IN SHAPING L.E.
NOTE: SEE SECT. X-X AND SECT. Y-Y DETAILS ON SHEET 3
TWO LAMINATIONS OF 1/8" BALSA SHEET WING TIP
1/4" BALSA BRACE TOP & BOTTOM
WS-1 & WS-2
WS-1
WS-2
1/8" PLYWOOD
WING TEMPLATES
UPPER WING NOTCH
LOWER WING NOTCH
WING T.E.
COVERING
1/32" BRASS CLIP
WOOD SCREW
W-9L
W-10L
FILE TO FIT
1/2" BRASS STRUT CLIP PATTERN, CAREFULLY FILE UNTIL CLIP SNAPS IN PLACE, BUT CAN EASILY BE UNSNAPPED
INTERPLANE STRUT MOUNT DETAIL
0" 1" 2" 3" 4" 5" 6"
MODEL AIRPLANE NEWS
FOKKER D.VII
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SHEET 2 OF 4
FSP 02981
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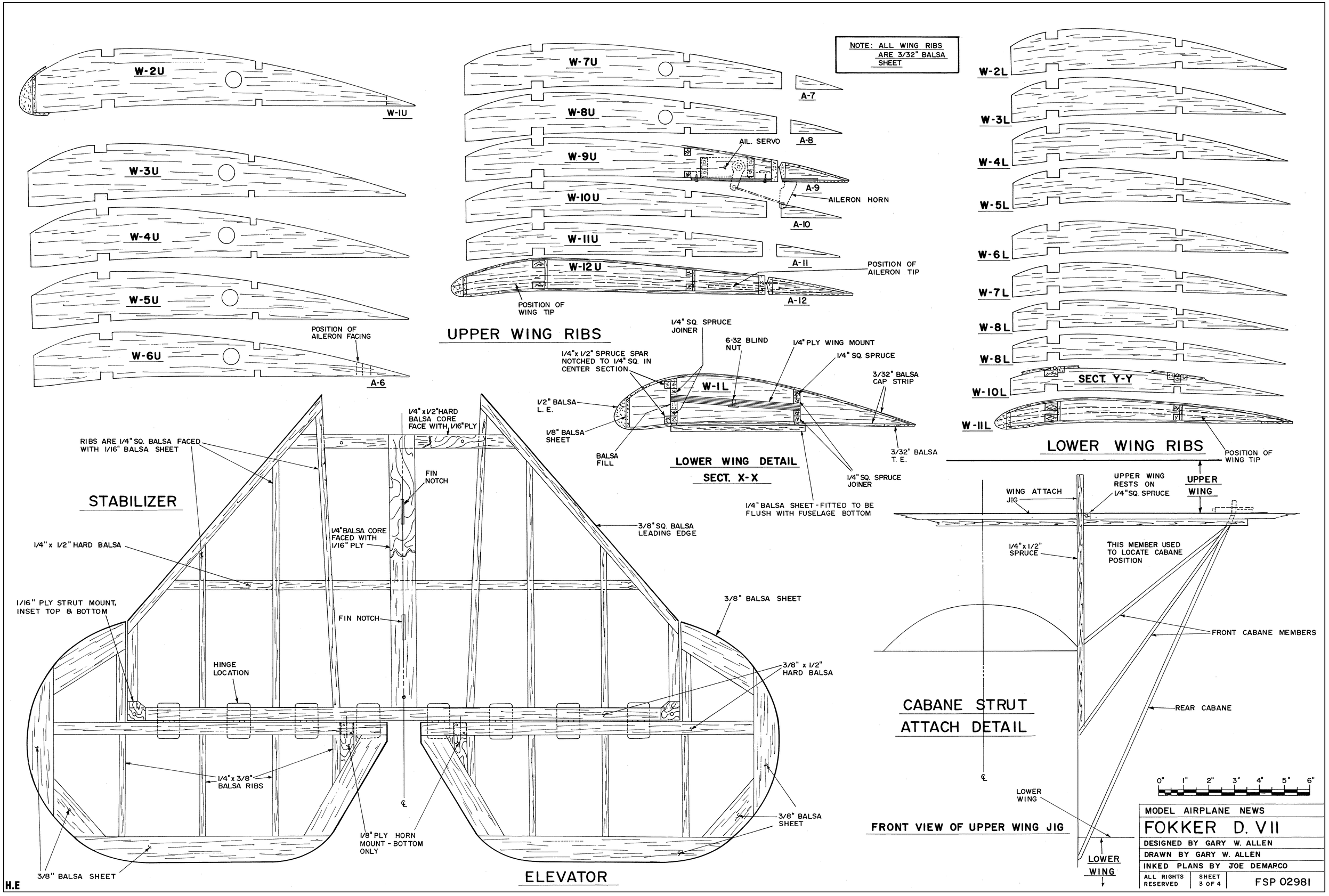
NOTE: ALL WING RIBS ARE 3/32" BALSA SHEET
W-2U
W-1U
W-3U
W-4U
W-5U
W-6U
A-6
POSITION OF AILERON FACING
W-7U
A-7
W-8U
A-8
W-9U
AIL. SERVO
A-9
AILERON HORN
W-10U
A-10
W-11U
A-11
W-12U
A-12
POSITION OF AILERON TIP
POSITION OF WING TIP
UPPER WING RIBS
W-2L
W-3L
W-4L
W-5L
W-6L
W-7L
W-8L
W-8L
W-10L
W-11L
SECT. Y-Y
LOWER WING RIBS
POSITION OF WING TIP
1/4" SQ. SPRUCE JOINER
6-32 BLIND NUT
1/4" PLY WING MOUNT
1/4" SQ. SPRUCE
1/4"x 1/2" SPRUCE SPAR NOTCHED TO 1/4" SQ. IN CENTER SECTION
3/32" BALSA CAP STRIP
W-1L
1/2" BALSA L. E.
1/8" BALSA SHEET
BALSA FILL
3/32" BALSA T. E.
1/4" SQ. SPRUCE JOINER
1/4" BALSA SHEET - FITTED TO BE FLUSH WITH FUSELAGE BOTTOM
LOWER WING DETAIL
SECT. X-X
1/4"x 1/2" HARD BALSA CORE FACE WITH 1/16" PLY
RIBS ARE 1/4" SQ. BALSA FACED WITH 1/16" BALSA SHEET
FIN NOTCH
STABILIZER
1/4" BALSA CORE FACED WITH 1/16" PLY
3/8" SQ. BALSA LEADING EDGE
1/4" x 1/2" HARD BALSA
1/16" PLY STRUT MOUNT, INSET TOP & BOTTOM
FIN NOTCH
3/8" BALSA SHEET
HINGE LOCATION
3/8" x 1/2" HARD BALSA
1/4"x 3/8" BALSA RIBS
℄
1/8" PLY HORN MOUNT - BOTTOM ONLY
3/8" BALSA SHEET
3/8" BALSA SHEET
ELEVATOR
H.E
WING ATTACH JIG
UPPER WING RESTS ON 1/4" SQ. SPRUCE
UPPER WING
1/4"x 1/2" SPRUCE
THIS MEMBER USED TO LOCATE CABANE POSITION
FRONT CABANE MEMBERS
REAR CABANE
CABANE STRUT ATTACH DETAIL
℄
LOWER WING
FRONT VIEW OF UPPER WING JIG
LOWER WING
0" 1" 2" 3" 4" 5" 6"
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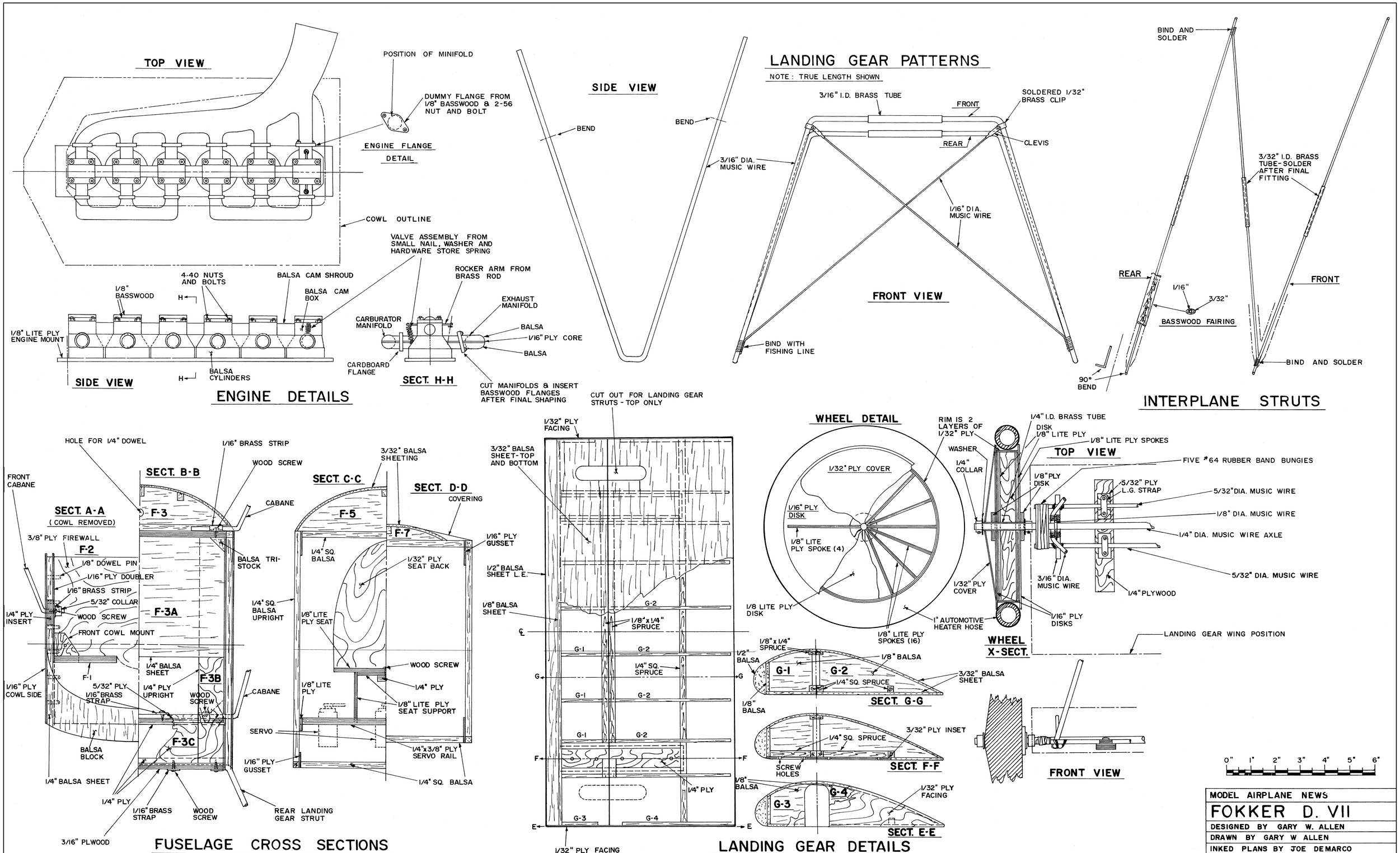

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H.E