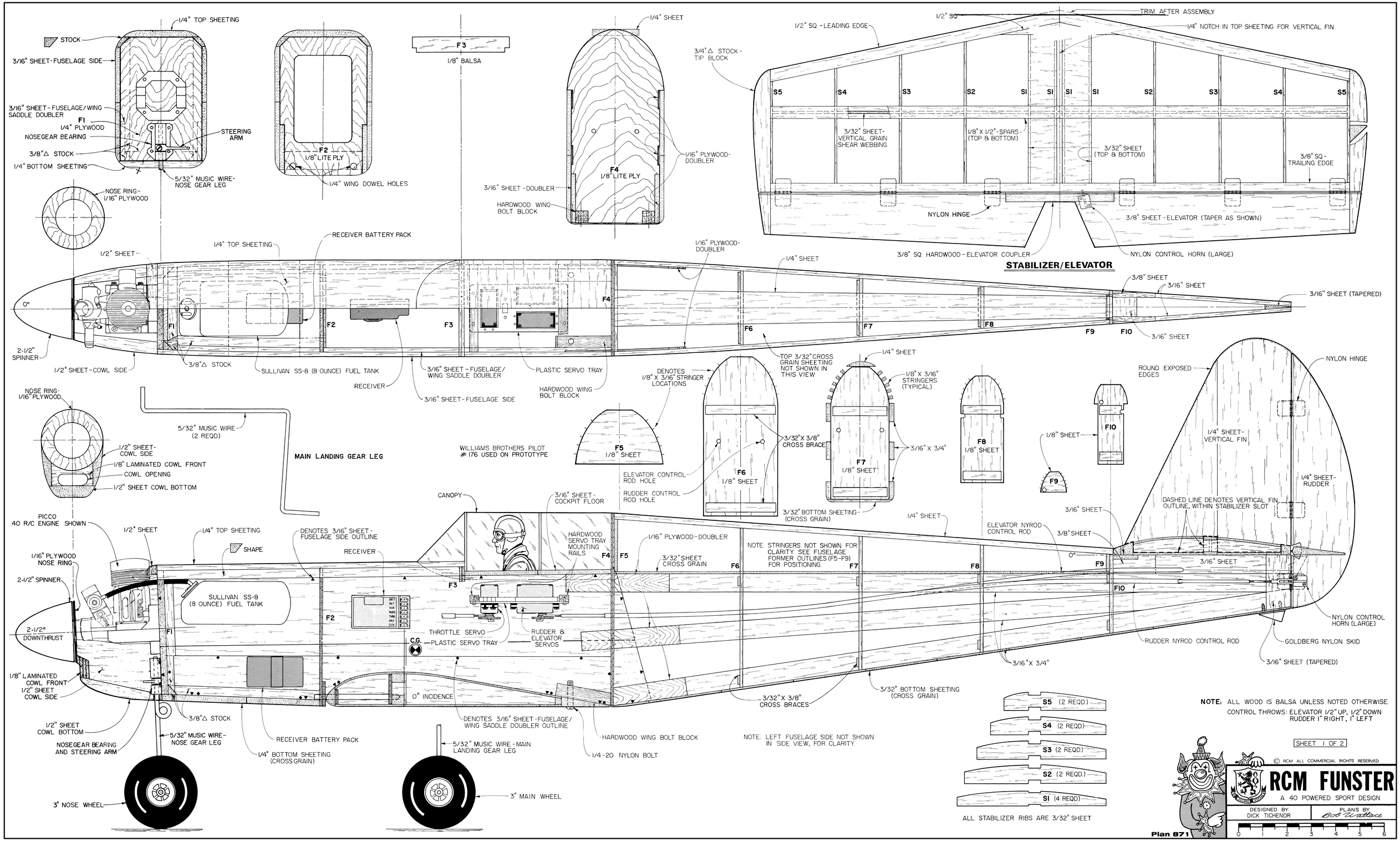
1/4" TOP SHEETING
STOCK
3/16" SHEET-FUSELAGE SIDE
3/16" SHEET-FUSELAGE/WING SADDLE DOUBLER
F1
1/4" PLYWOOD
NOSEGEAR BEARING
STEERING ARM
3/8"Δ STOCK
1/4" BOTTOM SHEETING
5/32" MUSIC WIRE-NOSE GEAR LEG
NOSE RING-1/16" PLYWOOD
F2
1/8" LITE PLY
1/4" WING DOWEL HOLES
F3
1/8" BALSA
1/4" SHEET
F4
1/8" LITE PLY
1/16" PLYWOOD-DOUBLER
3/16" SHEET-DOUBLER
HARDWOOD WING BOLT BLOCK
1/2" SQ.
TRIM AFTER ASSEMBLY
1/2" SQ.-LEADING EDGE
1/4" NOTCH IN TOP SHEETING FOR VERTICAL FIN
3/4"Δ STOCK-TIP BLOCK
S5
S4
S3
S2
S1
3/32" SHEET-VERTICAL GRAIN SHEAR WEBBING
1/8" X 1/2"-SPARS-(TOP & BOTTOM)
3/32" SHEET (TOP & BOTTOM)
3/8" SQ.-TRAILING EDGE
NYLON HINGE
3/8" SHEET-ELEVATOR (TAPER AS SHOWN)
3/8" SQ. HARDWOOD-ELEVATOR COUPLER
NYLON CONTROL HORN (LARGE)
STABILIZER/ELEVATOR
1/2" SHEET
1/4" TOP SHEETING
RECEIVER BATTERY PACK
1/16" PLYWOOD-DOUBLER
1/4" SHEET
3/8" SHEET
3/16" SHEET
3/16" SHEET (TAPERED)
0°
F1
F2
F3
F4
F6
F7
F8
F9
F10
2-1/2" SPINNER
1/2" SHEET-COWL SIDE
3/8"Δ STOCK
SULLIVAN SS-8 (8 OUNCE) FUEL TANK
RECEIVER
3/16" SHEET-FUSELAGE/WING SADDLE DOUBLER
3/16" SHEET-FUSELAGE SIDE
PLASTIC SERVO TRAY
HARDWOOD WING BOLT BLOCK
TOP 3/32" CROSS GRAIN SHEETING NOT SHOWN IN THIS VIEW
DENOTES 1/8" X 3/16" STRINGER LOCATIONS
1/4" SHEET
1/8" X 3/16" STRINGERS (TYPICAL)
ROUND EXPOSED EDGES
NYLON HINGE
NOSE RING-1/16" PLYWOOD
5/32" MUSIC WIRE (2 REQD.)
1/2" SHEET-COWL SIDE
1/8" LAMINATED COWL FRONT
COWL OPENING
1/2" SHEET COWL BOTTOM
MAIN LANDING GEAR LEG
WILLIAMS BROTHERS PILOT #176 USED ON PROTOTYPE
F5
1/8" SHEET
ELEVATOR CONTROL ROD HOLE
RUDDER CONTROL ROD HOLE
F6
1/8" SHEET
3/32" X 3/8" CROSS BRACE
F7
1/8" SHEET
3/16" X 3/4"
3/32" BOTTOM SHEETING-(CROSS GRAIN)
F8
1/8" SHEET
F10
1/8" SHEET
F9
1/4" SHEET-VERTICAL FIN
1/4" SHEET-RUDDER
DASHED LINE DENOTES VERTICAL FIN OUTLINE, WITHIN STABILIZER SLOT
CANOPY
3/16" SHEET-COCKPIT FLOOR
PICCO 40 R/C ENGINE SHOWN
1/2" SHEET
1/4" TOP SHEETING
DENOTES 3/16" SHEET-FUSELAGE SIDE OUTLINE
SHAPE
RECEIVER
HARDWOOD SERVO TRAY MOUNTING RAILS
1/16" PLYWOOD-DOUBLER
3/32" SHEET CROSS GRAIN
NOTE: STRINGERS NOT SHOWN FOR CLARITY. SEE FUSELAGE FORMER OUTLINES (F5-F9) FOR POSITIONING.
1/4" SHEET
ELEVATOR NYROD CONTROL ROD
3/16" SHEET
3/8" SHEET
1/16" PLYWOOD NOSE RING
2-1/2" SPINNER
SULLIVAN SS-8 (8 OUNCE) FUEL TANK
THROTTLE SERVO
RUDDER & ELEVATOR SERVOS
CG
PLASTIC SERVO TRAY
2-1/2° DOWNTHRUST
1/8" LAMINATED COWL FRONT
1/2" SHEET COWL SIDE
0° INCIDENCE
3/16" X 3/4"
RUDDER NYROD CONTROL ROD
GOLDBERG NYLON SKID
NYLON CONTROL HORN (LARGE)
3/16" SHEET (TAPERED)
3/32" X 3/8" CROSS BRACES
3/32" BOTTOM SHEETING (CROSS GRAIN)
1/2" SHEET COWL BOTTOM
3/8"Δ STOCK
NOSEGEAR BEARING AND STEERING ARM
5/32" MUSIC WIRE-NOSE GEAR LEG
RECEIVER BATTERY PACK
1/4" BOTTOM SHEETING (CROSS GRAIN)
DENOTES 3/16" SHEET-FUSELAGE/WING SADDLE DOUBLER OUTLINE
HARDWOOD WING BOLT BLOCK
1/4-20 NYLON BOLT
NOTE: LEFT FUSELAGE SIDE NOT SHOWN IN SIDE VIEW, FOR CLARITY.
5/32" MUSIC WIRE-MAIN LANDING GEAR LEG
3" NOSE WHEEL
3" MAIN WHEEL
S5 (2 REQD.)
S4 (2 REQD.)
S3 (2 REQD.)
S2 (2 REQD.)
S1 (4 REQD.)
ALL STABILIZER RIBS ARE 3/32" SHEET
NOTE: ALL WOOD IS BALSA UNLESS NOTED OTHERWISE.
CONTROL THROWS: ELEVATOR 1/2" UP, 1/2" DOWN
RUDDER 1" RIGHT, 1" LEFT
SHEET 1 OF 2
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RCM FUNSTER
A 40 POWERED SPORT DESIGN
DESIGNED BY DICK TICHENOR
PLANS BY Bob Wallace
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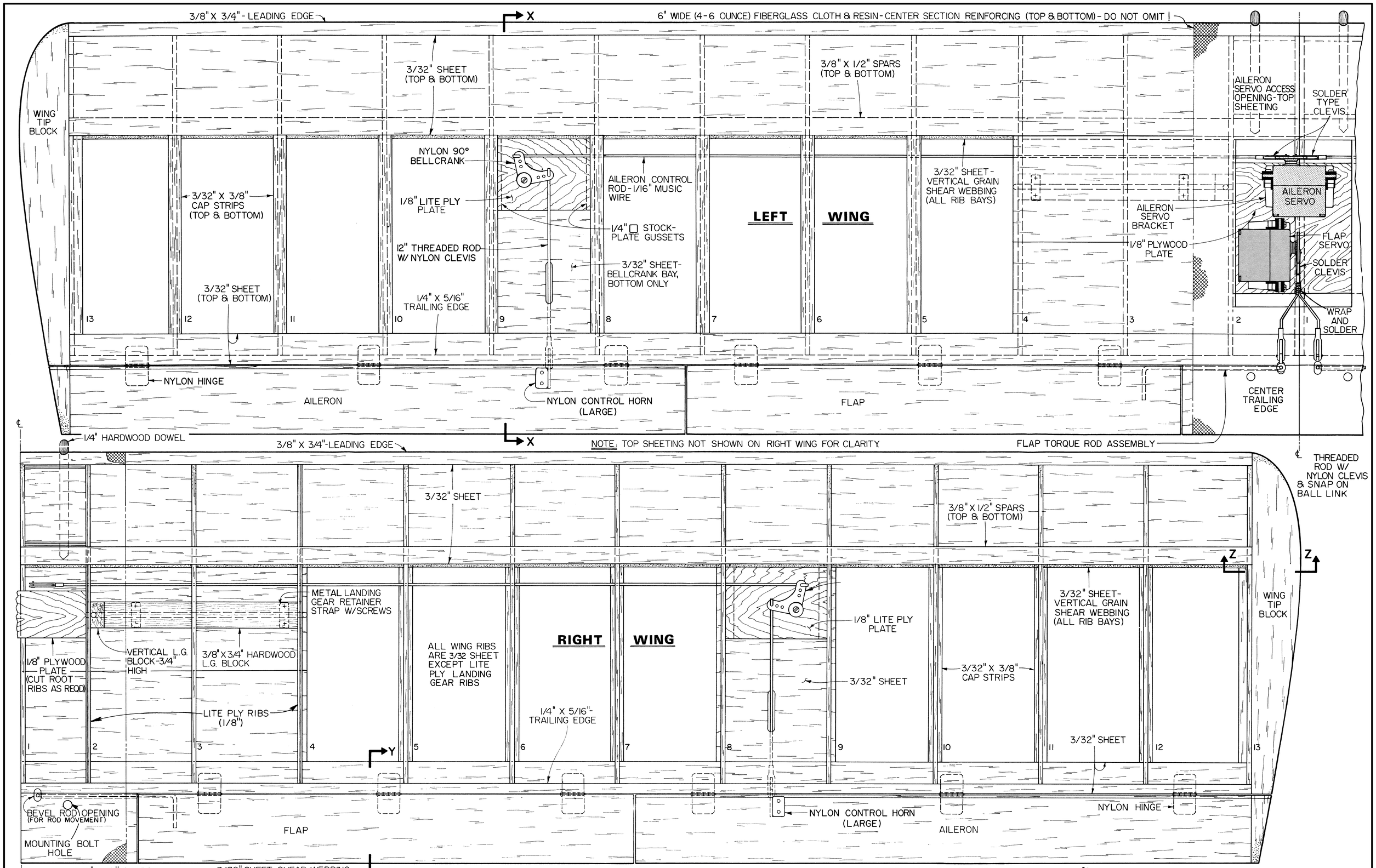
3/8" X 3/4" - LEADING EDGE
X
6" WIDE (4-6 OUNCE) FIBERGLASS CLOTH & RESIN - CENTER SECTION REINFORCING (TOP & BOTTOM) - DO NOT OMIT !
3/32" SHEET (TOP & BOTTOM)
3/8" X 1/2" SPARS (TOP & BOTTOM)
AILERON SERVO ACCESS OPENING - TOP SHEETING
SOLDER TYPE CLEVIS
WING TIP BLOCK
NYLON 90° BELLCRANK
AILERON CONTROL ROD - 1/16" MUSIC WIRE
3/32" SHEET - VERTICAL GRAIN SHEAR WEBBING (ALL RIB BAYS)
3/32" X 3/8" CAP STRIPS (TOP & BOTTOM)
1/8" LITE PLY PLATE
LEFT WING
AILERON SERVO
AILERON SERVO BRACKET
1/4" □ STOCK - PLATE GUSSETS
12" THREADED ROD W/ NYLON CLEVIS
1/8" PLYWOOD PLATE
FLAP SERVO
3/32" SHEET - BELLCRANK BAY, BOTTOM ONLY
SOLDER CLEVIS
3/32" SHEET (TOP & BOTTOM)
1/4" X 5/16" TRAILING EDGE
WRAP AND SOLDER
13 12 11 10 9 8 7 6 5 4 3 2 1
NYLON HINGE
AILERON
NYLON CONTROL HORN (LARGE)
FLAP
CENTER TRAILING EDGE
1/4" HARDWOOD DOWEL
3/8" X 3/4" - LEADING EDGE
NOTE: TOP SHEETING NOT SHOWN ON RIGHT WING FOR CLARITY
FLAP TORQUE ROD ASSEMBLY
THREADED ROD W/ NYLON CLEVIS & SNAP ON BALL LINK
3/32" SHEET
3/8" X 1/2" SPARS (TOP & BOTTOM)
Z
METAL LANDING GEAR RETAINER STRAP W/SCREWS
3/32" SHEET - VERTICAL GRAIN SHEAR WEBBING (ALL RIB BAYS)
WING TIP BLOCK
1/8" LITE PLY PLATE
RIGHT WING
1/8" PLYWOOD PLATE (CUT ROOT RIBS AS REQD)
VERTICAL L.G. BLOCK - 3/4" HIGH
3/8" X 3/4" HARDWOOD L.G. BLOCK
ALL WING RIBS ARE 3/32 SHEET EXCEPT LITE PLY LANDING GEAR RIBS
3/32" SHEET
3/32" X 3/8" CAP STRIPS
LITE PLY RIBS (1/8")
1/4" X 5/16" - TRAILING EDGE
3/32" SHEET
1 2 3 4 5 6 7 8 9 10 11 12 13
Y
BEVEL ROD OPENING (FOR ROD MOVEMENT)
MOUNTING BOLT HOLE
FLAP
NYLON CONTROL HORN (LARGE)
AILERON
NYLON HINGE
3/8" X 1/2" SPARS
3/32" SHEET - SHEAR WEBBING
3/32" SHEET
3/32" X 3/8" - CAP STRIP
3/32" SHEET
3/8" X 3/4" - LEADING EDGE
1/4" X 5/16" - TRAILING EDGE
NYLON 90° BELLCRANK
1/8" LITE PLY PLATE
1/4" □ STOCK
THREADED ROD & CLEVIS
AILERON
(LARGE) NYLON CONTROL HORN
SECTION X-X
AILERON THROW: 1/4" DOWN, 1/2" UP
FLAPS: 0° UP, 30° DOWN
SECTION Z-Z
SECTION Y-Y
AILERON CONTROL ROD HOLE
3/32" SHEET
(22 REQD.)
1/8" LITE PLY (4 REQD.)
L.G. BLOCK NOTCH - 6 RIBS ONLY (2 BALSA & 4 LITE PLY)
WING RIB OUTLINE
2"
2"
DIHEDRAL DETAIL
NO SCALE
ROOT RIB ANGLE TEMPLATE
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SHEET 2 OF 2
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