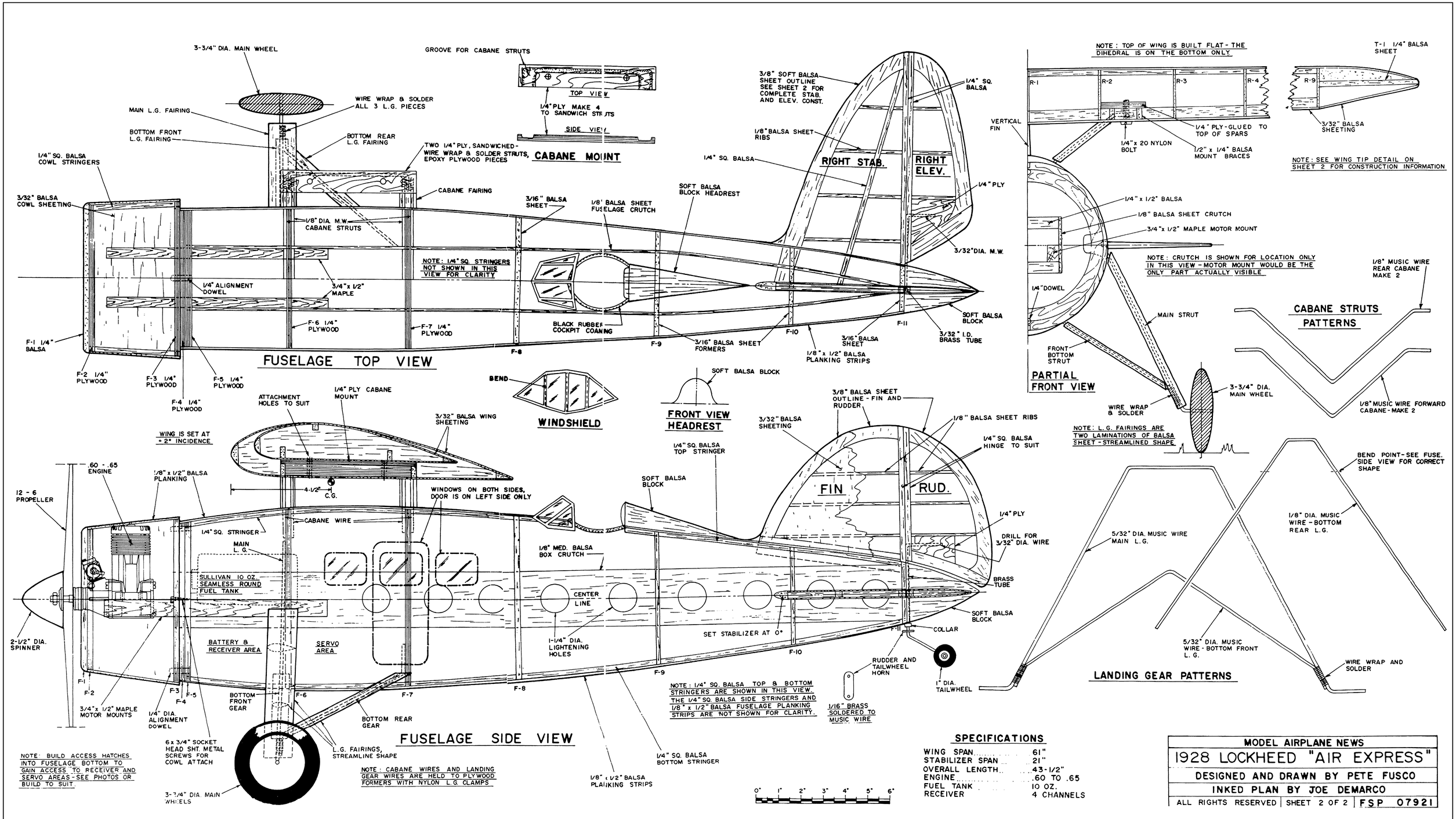
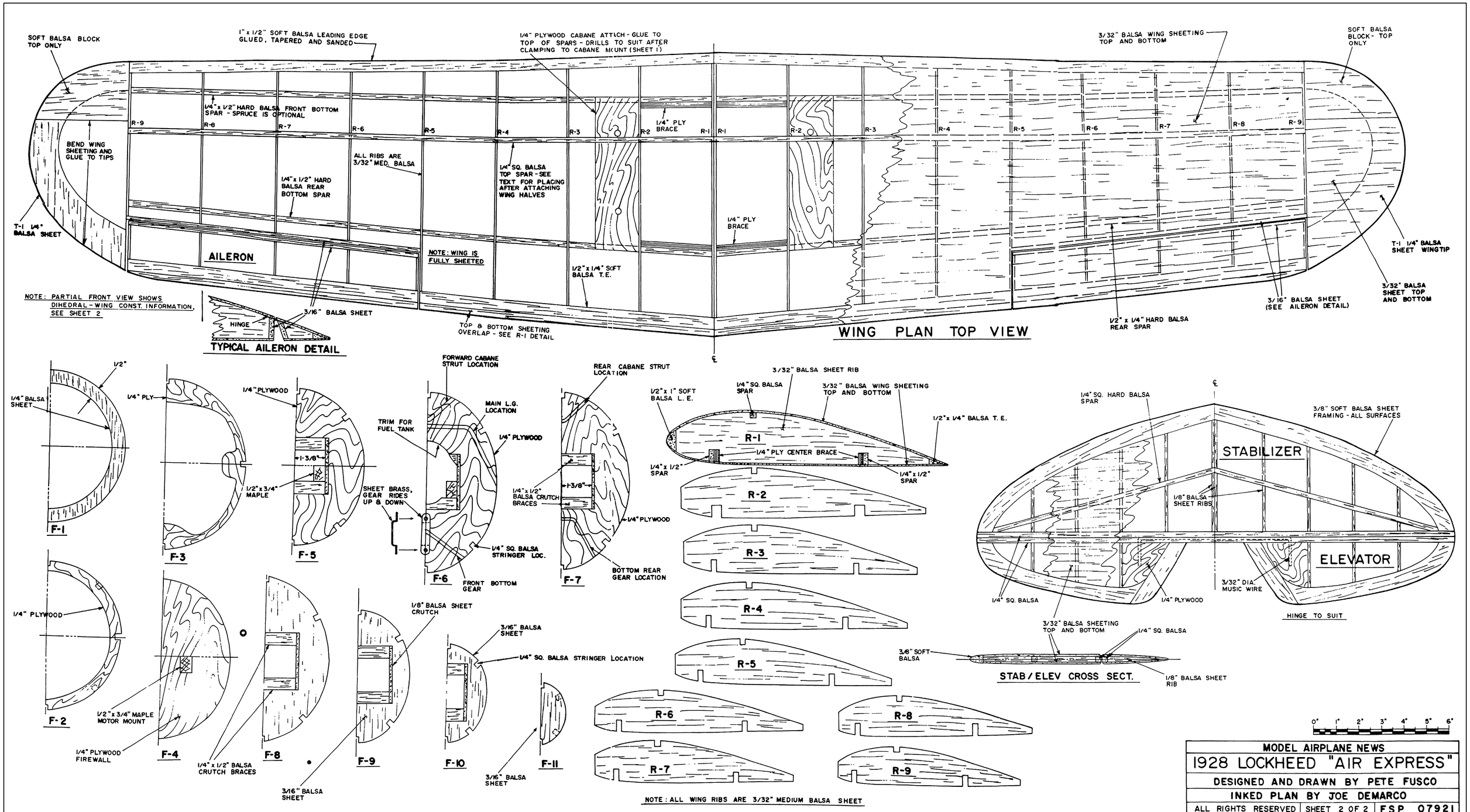

3-3/4" DIA. MAIN WHEEL
GROOVE FOR CABANE STRUTS
TOP VIEW
1/4" PLY MAKE 4 TO SANDWICH STRUTS
SIDE VIEW
CABANE MOUNT
WIRE WRAP & SOLDER ALL 3 L.G. PIECES
MAIN L.G. FAIRING
BOTTOM FRONT L.G. FAIRING
BOTTOM REAR L.G. FAIRING
TWO 1/4" PLY, SANDWICHED - WIRE WRAP & SOLDER STRUTS, EPOXY PLYWOOD PIECES
1/4" SQ. BALSA COWL STRINGERS
3/32" BALSA COWL SHEETING
CABANE FAIRING
1/8" DIA. M.W. CABANE STRUTS
3/16" BALSA SHEET
1/8" BALSA SHEET FUSELAGE CRUTCH
SOFT BALSA BLOCK HEADREST
NOTE: 1/4" SQ. STRINGERS NOT SHOWN IN THIS VIEW FOR CLARITY
1/4" ALIGNMENT DOWEL
3/4" x 1/2" MAPLE
F-1 1/4" BALSA
F-2 1/4" PLYWOOD
F-3 1/4" PLYWOOD
F-4 1/4" PLYWOOD
F-5 1/4" PLYWOOD
F-6 1/4" PLYWOOD
F-7 1/4" PLYWOOD
F-8
F-9
F-10
F-11
BLACK RUBBER COCKPIT COAMING
3/16" BALSA SHEET FORMERS
1/8" x 1/2" BALSA PLANKING STRIPS
3/16" BALSA SHEET
3/32" I.D. BRASS TUBE
SOFT BALSA BLOCK
FUSELAGE TOP VIEW
3/8" SOFT BALSA SHEET OUTLINE SEE SHEET 2 FOR COMPLETE STAB. AND ELEV. CONST.
1/4" SQ. BALSA
1/8" BALSA SHEET RIBS
1/4" SQ. BALSA
RIGHT STAB.
RIGHT ELEV.
1/4" PLY
3/32" DIA. M.W.
NOTE: TOP OF WING IS BUILT FLAT - THE DIHEDRAL IS ON THE BOTTOM ONLY
R-1
R-2
R-3
R-4
R-9
T-1 1/4" BALSA SHEET
VERTICAL FIN
1/4" x 20 NYLON BOLT
1/4" PLY - GLUED TO TOP OF SPARS
1/2" x 1/4" BALSA MOUNT BRACES
3/32" BALSA SHEETING
NOTE: SEE WING TIP DETAIL ON SHEET 2 FOR CONSTRUCTION INFORMATION.
1/4" x 1/2" BALSA
1/8" BALSA SHEET CRUTCH
3/4" x 1/2" MAPLE MOTOR MOUNT
NOTE: CRUTCH IS SHOWN FOR LOCATION ONLY IN THIS VIEW - MOTOR MOUNT WOULD BE THE ONLY PART ACTUALLY VISIBLE
1/4" DOWEL
MAIN STRUT
FRONT BOTTOM STRUT
PARTIAL FRONT VIEW
WIRE WRAP & SOLDER
3-3/4" DIA. MAIN WHEEL
NOTE: L.G. FAIRINGS ARE TWO LAMINATIONS OF BALSA SHEET - STREAMLINED SHAPE
1/8" MUSIC WIRE REAR CABANE MAKE 2
CABANE STRUTS PATTERNS
1/8" MUSIC WIRE FORWARD CABANE - MAKE 2
BEND
WINDSHIELD
SOFT BALSA BLOCK
FRONT VIEW HEADREST
3/8" BALSA SHEET OUTLINE - FIN AND RUDDER
3/32" BALSA SHEETING
1/8" BALSA SHEET RIBS
1/4" SQ. BALSA HINGE TO SUIT
1/4" SQ. BALSA TOP STRINGER
SOFT BALSA BLOCK
FIN
RUD.
1/4" PLY
DRILL FOR 3/32" DIA. WIRE
BRASS TUBE
SOFT BALSA BLOCK
COLLAR
1" DIA. TAILWHEEL
RUDDER AND TAILWHEEL HORN
1/16" BRASS SOLDERED TO MUSIC WIRE
BEND POINT - SEE FUSE. SIDE VIEW FOR CORRECT SHAPE
1/8" DIA. MUSIC WIRE - BOTTOM REAR L.G.
5/32" DIA. MUSIC WIRE MAIN L.G.
5/32" DIA. MUSIC WIRE - BOTTOM FRONT L.G.
WIRE WRAP AND SOLDER
LANDING GEAR PATTERNS
WING IS SET AT + 2° INCIDENCE
ATTACHMENT HOLES TO SUIT
1/4" PLY CABANE MOUNT
3/32" BALSA WING SHEETING
.60 - .65 ENGINE
1/8" x 1/2" BALSA PLANKING
12 - 6 PROPELLER
4-1/2"
C.G.
WINDOWS ON BOTH SIDES, DOOR IS ON LEFT SIDE ONLY
CABANE WIRE
1/4" SQ. STRINGER
MAIN L.G.
SULLIVAN 10 OZ. SEAMLESS ROUND FUEL TANK
1/8" MED. BALSA BOX CRUTCH
CENTER LINE
1-1/4" DIA. LIGHTENING HOLES
SET STABILIZER AT 0°
2-1/2" DIA. SPINNER
BATTERY & RECEIVER AREA
SERVO AREA
F-1
F-2
F-3
F-4
F-5
F-6
F-7
F-8
F-9
F-10
F-11
3/4" x 1/2" MAPLE MOTOR MOUNTS
1/4" DIA. ALIGNMENT DOWEL
BOTTOM FRONT GEAR
BOTTOM REAR GEAR
6 x 3/4" SOCKET HEAD SHT. METAL SCREWS FOR COWL ATTACH
L.G. FAIRINGS, STREAMLINE SHAPE
3-3/4" DIA. MAIN WHEELS
NOTE: BUILD ACCESS HATCHES INTO FUSELAGE BOTTOM TO GAIN ACCESS TO RECEIVER AND SERVO AREAS - SEE PHOTOS OR BUILD TO SUIT.
NOTE: CABANE WIRES AND LANDING GEAR WIRES ARE HELD TO PLYWOOD FORMERS WITH NYLON L.G. CLAMPS
NOTE: 1/4" SQ. BALSA TOP & BOTTOM STRINGERS ARE SHOWN IN THIS VIEW. THE 1/4" SQ. BALSA SIDE STRINGERS AND 1/8" x 1/2" BALSA FUSELAGE PLANKING STRIPS ARE NOT SHOWN FOR CLARITY.
1/4" SQ. BALSA BOTTOM STRINGER
1/8" x 1/2" BALSA PLANKING STRIPS
FUSELAGE SIDE VIEW
0" 1" 2" 3" 4" 5" 6"
SPECIFICATIONS
WING SPAN 61"
STABILIZER SPAN 21"
OVERALL LENGTH 43-1/2"
ENGINE .60 TO .65
FUEL TANK 10 OZ.
RECEIVER 4 CHANNELS
MODEL AIRPLANE NEWS
1928 LOCKHEED "AIR EXPRESS"
DESIGNED AND DRAWN BY PETE FUSCO
INKED PLAN BY JOE DEMARCO
ALL RIGHTS RESERVED
SHEET 2 OF 2
FSP 07921
H.E


SOFT BALSA BLOCK TOP ONLY
1" x 1/2" SOFT BALSA LEADING EDGE GLUED, TAPERED AND SANDED
1/4" PLYWOOD CABANE ATTACH - GLUE TO TOP OF SPARS - DRILLS TO SUIT AFTER CLAMPING TO CABANE MOUNT (SHEET 1)
3/32" BALSA WING SHEETING TOP AND BOTTOM
SOFT BALSA BLOCK - TOP ONLY
1/4" x 1/2" HARD BALSA FRONT BOTTOM SPAR - SPRUCE IS OPTIONAL
R-9
R-8
R-7
R-6
R-5
R-4
R-3
R-2
R-1
1/4" PLY BRACE
BEND WING SHEETING AND GLUE TO TIPS
ALL RIBS ARE 3/32" MED. BALSA
1/4" x 1/2" HARD BALSA REAR BOTTOM SPAR
1/4" SQ. BALSA TOP SPAR - SEE TEXT FOR PLACING AFTER ATTACHING WING HALVES
T-1 1/4" BALSA SHEET
AILERON
NOTE: WING IS FULLY SHEETED
1/2" x 1/4" SOFT BALSA T.E.
1/4" PLY BRACE
T-1 1/4" BALSA SHEET WINGTIP
3/32" BALSA SHEET TOP AND BOTTOM
3/16" BALSA SHEET (SEE AILERON DETAIL)
1/2" x 1/4" HARD BALSA REAR SPAR
NOTE: PARTIAL FRONT VIEW SHOWS DIHEDRAL - WING CONST. INFORMATION, SEE SHEET 2
HINGE
3/16" BALSA SHEET
TYPICAL AILERON DETAIL
TOP & BOTTOM SHEETING OVERLAP - SEE R-1 DETAIL
WING PLAN TOP VIEW
1/2"
1/4" BALSA SHEET
F-1
1/4" PLY
F-3
1/4" PLYWOOD
1-3/8"
1/2" x 3/4" MAPLE
F-5
FORWARD CABANE STRUT LOCATION
TRIM FOR FUEL TANK
MAIN L.G. LOCATION
1/4" PLYWOOD
SHEET BRASS, GEAR RIDES UP & DOWN
1/4" SQ. BALSA STRINGER LOC.
FRONT BOTTOM GEAR
F-6
REAR CABANE STRUT LOCATION
1/4" x 1/2" BALSA CRUTCH BRACES
1-3/8"
1/4" PLYWOOD
BOTTOM REAR GEAR LOCATION
F-7
1/2" x 1" SOFT BALSA L. E.
1/4" SQ. BALSA SPAR
3/32" BALSA SHEET RIB
3/32" BALSA WING SHEETING TOP AND BOTTOM
1/2" x 1/4" BALSA T. E.
R-1
1/4" PLY CENTER BRACE
1/4" x 1/2" SPAR
1/4" x 1/2" SPAR
R-2
R-3
R-4
R-5
R-6
R-7
R-8
R-9
1/4" SQ. HARD BALSA SPAR
3/8" SOFT BALSA SHEET FRAMING - ALL SURFACES
STABILIZER
1/8" BALSA SHEET RIBS
ELEVATOR
3/32" DIA. MUSIC WIRE
1/4" SQ. BALSA
1/4" PLYWOOD
HINGE TO SUIT
3/32" BALSA SHEETING TOP AND BOTTOM
1/4" SQ. BALSA
3/8" SOFT BALSA
1/8" BALSA SHEET RIB
STAB / ELEV CROSS SECT.
1/4" PLYWOOD
F-2
1/2" x 3/4" MAPLE MOTOR MOUNT
1/4" PLYWOOD FIREWALL
F-4
1/4" x 1/2" BALSA CRUTCH BRACES
F-8
3/16" BALSA SHEET
1/8" BALSA SHEET CRUTCH
F-9
3/16" BALSA SHEET
1/4" SQ. BALSA STRINGER LOCATION
F-10
3/16" BALSA SHEET
F-11
NOTE: ALL WING RIBS ARE 3/32" MEDIUM BALSA SHEET
0" 1" 2" 3" 4" 5" 6"
MODEL AIRPLANE NEWS
1928 LOCKHEED "AIR EXPRESS"
DESIGNED AND DRAWN BY PETE FUSCO
INKED PLAN BY JOE DEMARCO
ALL RIGHTS RESERVED
SHEET 2 OF 2
FSP 07921
H.E