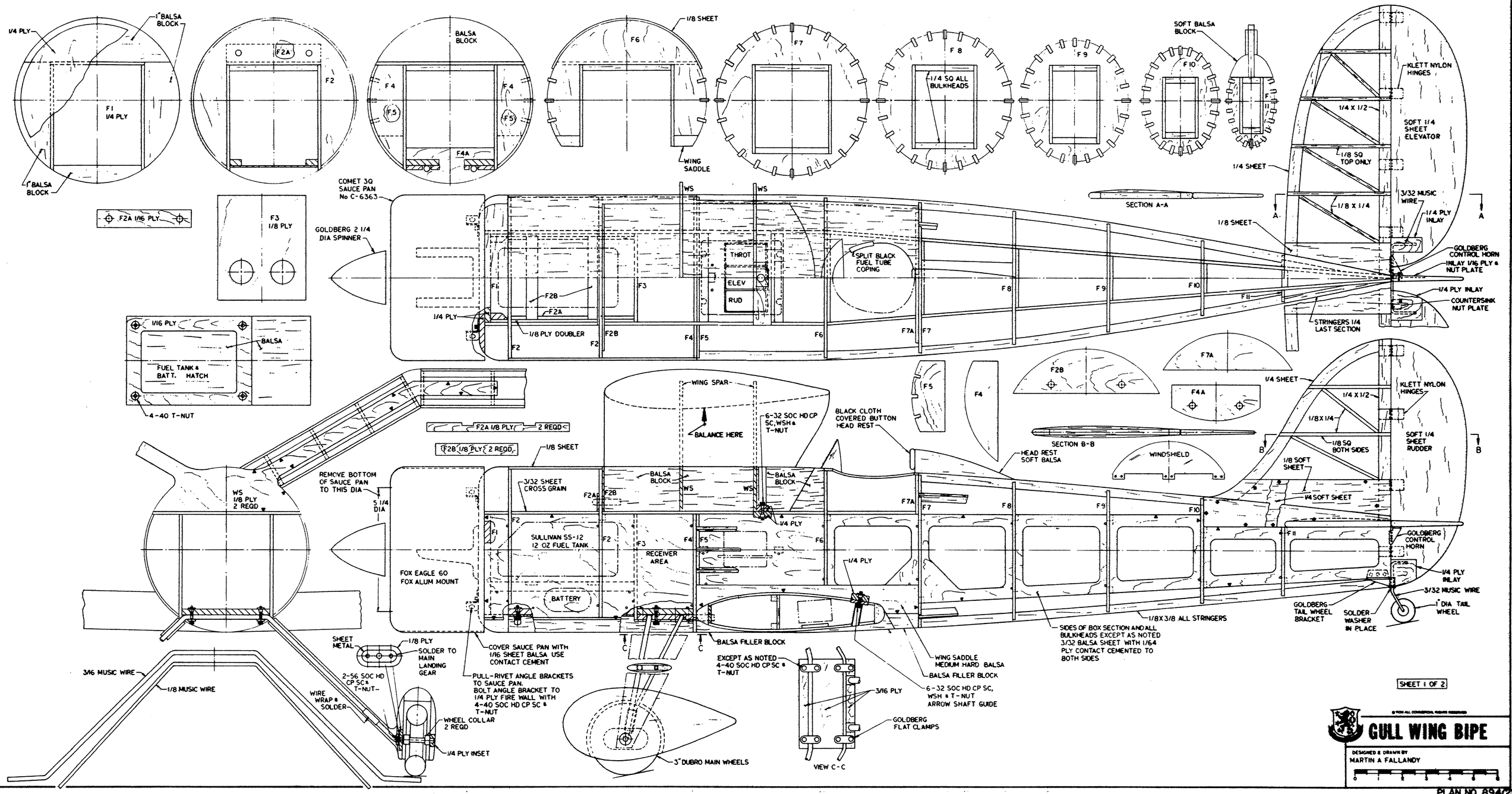
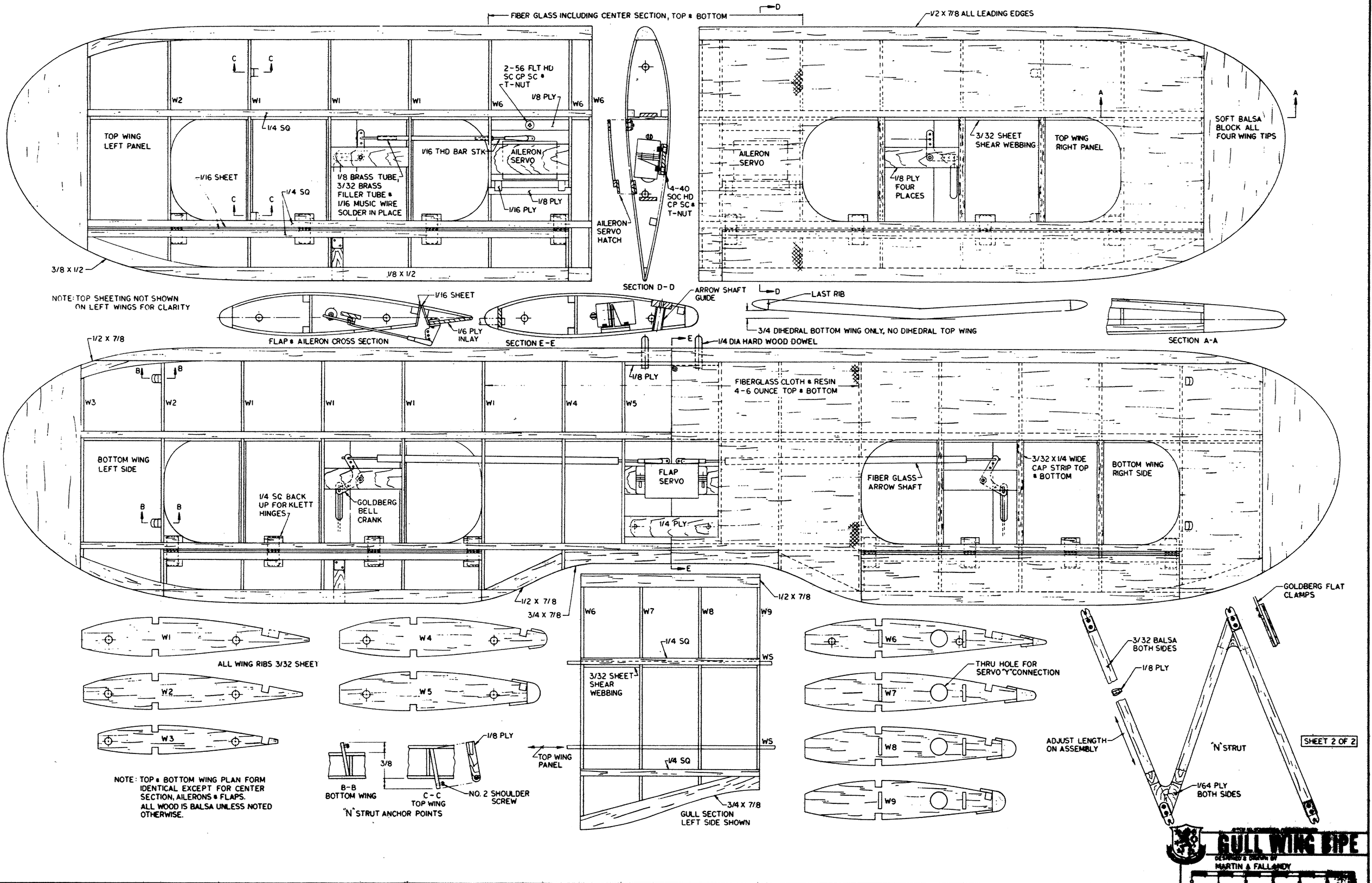

1/4 PLY
1" BALSA BLOCK
F1 1/4 PLY
1" BALSA BLOCK
F2A
F2
BALSA BLOCK
F4
F4
F5
F5
F4A
1/8 SHEET
F6
WING SADDLE
F7
F8
1/4 SQ ALL BULKHEADS
F9
F10
SOFT BALSA BLOCK
KLETT NYLON HINGES
1/4 X 1/2
SOFT 1/4 SHEET ELEVATOR
1/8 SQ TOP ONLY
1/4 SHEET
3/32 MUSIC WIRE
1/8 X 1/4
1/4 PLY INLAY
1/8 SHEET
GOLDBERG CONTROL HORN
INLAY 1/16 PLY & NUT PLATE
1/4 PLY INLAY
COUNTERSINK NUT PLATE
STRINGERS 1/4 LAST SECTION
SECTION A-A
A
A
F2A 1/16 PLY
F3 1/8 PLY
COMET 3Q SAUCE PAN No C-6363
GOLDBERG 2 1/4 DIA SPINNER
WS
WS
THROT
ELEV
RUD
SPLIT BLACK FUEL TUBE COPING
F1
F2B
F2A
F3
F8
F9
F10
F11
1/4 PLY
1/8 PLY DOUBLER
F2B
F2
F2
F4
F5
F6
F7A
F7
1/16 PLY
BALSA
FUEL TANK & BATT. HATCH
4-40 T-NUT
F2B
F7A
F5
F4
1/4 SHEET
KLETT NYLON HINGES
1/4 X 1/2
1/8 X 1/4
SOFT 1/4 SHEET RUDDER
1/8 SQ BOTH SIDES
1/8 SOFT SHEET
1/4 SOFT SHEET
B
B
SECTION B-B
WINDSHIELD
F4A
WING SPAR
BALANCE HERE
6-32 SOC HD CP SC, WSH & T-NUT
BLACK CLOTH COVERED BUTTON HEAD REST
HEAD REST SOFT BALSA
F2A 1/8 PLY 2 REQD
F2B 1/8 PLY 2 REQD
1/8 SHEET
REMOVE BOTTOM OF SAUCE PAN TO THIS DIA
WS 1/8 PLY 2 REQD
5 1/4 DIA
3/32 SHEET CROSS GRAIN
BALSA BLOCK
BALSA BLOCK
WS
WS
F2A
F2B
F7A
F7
F8
F9
F10
F11
1/4 PLY
SULLIVAN SS-12 12 OZ FUEL TANK
F2
F3
F4
F5
F6
RECEIVER AREA
1/4 PLY
GOLDBERG CONTROL HORN
1/4 PLY INLAY
3/32 MUSIC WIRE
1" DIA TAIL WHEEL
GOLDBERG TAIL WHEEL BRACKET
SOLDER WASHER IN PLACE
FOX EAGLE 60 FOX ALUM MOUNT
BATTERY
1/8 X 3/8 ALL STRINGERS
SIDES OF BOX SECTION AND ALL BULKHEADS EXCEPT AS NOTED 3/32 BALSA SHEET WITH 1/64 PLY CONTACT CEMENTED TO BOTH SIDES
SHEET METAL
1/8 PLY
SOLDER TO MAIN LANDING GEAR
2-56 SOC HD CP SC & T-NUT
WIRE WRAP & SOLDER
3/16 MUSIC WIRE
1/8 MUSIC WIRE
COVER SAUCE PAN WITH 1/16 SHEET BALSA USE CONTACT CEMENT
PULL-RIVET ANGLE BRACKETS TO SAUCE PAN. BOLT ANGLE BRACKET TO 1/4 PLY FIRE WALL WITH 4-40 SOC HD CP SC & T-NUT
WHEEL COLLAR 2 REQD
1/4 PLY INSET
C
C
BALSA FILLER BLOCK
EXCEPT AS NOTED 4-40 SOC HD CP SC & T-NUT
3" DUBRO MAIN WHEELS
WING SADDLE MEDIUM HARD BALSA
BALSA FILLER BLOCK
6-32 SOC HD CP SC, WSH & T-NUT ARROW SHAFT GUIDE
3/16 PLY
GOLDBERG FLAT CLAMPS
VIEW C-C
SHEET 1 OF 2
GULL WING BIPE
DESIGNED & DRAWN BY
MARTIN A FALLANDY
PLAN NO. 8940


FIBER GLASS INCLUDING CENTER SECTION, TOP & BOTTOM
1/2 X 7/8 ALL LEADING EDGES
TOP WING LEFT PANEL
1/16 SHEET
1/4 SQ
1/8 BRASS TUBE, 3/32 BRASS FILLER TUBE & 1/16 MUSIC WIRE SOLDER IN PLACE
1/16 THD BAR STK
AILERON SERVO
2-56 FLT HD SC CP SC & T-NUT
1/8 PLY
1/16 PLY
W1
W2
W6
3/8 X 1/2
1/8 X 1/2
AILERON SERVO HATCH
4-40 SOC HD CP SC & T-NUT
SECTION D-D
3/32 SHEET SHEAR WEBBING
TOP WING RIGHT PANEL
SOFT BALSA BLOCK ALL FOUR WING TIPS
NOTE: TOP SHEETING NOT SHOWN ON LEFT WINGS FOR CLARITY
FLAP & AILERON CROSS SECTION
1/6 PLY INLAY
SECTION E-E
ARROW SHAFT GUIDE
LAST RIB
3/4 DIHEDRAL BOTTOM WING ONLY, NO DIHEDRAL TOP WING
SECTION A-A
1/4 DIA HARD WOOD DOWEL
FIBERGLASS CLOTH & RESIN 4-6 OUNCE TOP & BOTTOM
BOTTOM WING LEFT SIDE
1/4 SQ BACK UP FOR KLETT HINGES
GOLDBERG BELL CRANK
FLAP SERVO
1/4 PLY
FIBER GLASS ARROW SHAFT
3/32 X 1/4 WIDE CAP STRIP TOP & BOTTOM
BOTTOM WING RIGHT SIDE
W3
W4
W5
1/2 X 7/8
3/4 X 7/8
W6
W7
W8
W9
1/4 SQ
WS
3/32 SHEET SHEAR WEBBING
TOP WING PANEL
GULL SECTION LEFT SIDE SHOWN
ALL WING RIBS 3/32 SHEET
NOTE: TOP & BOTTOM WING PLAN FORM IDENTICAL EXCEPT FOR CENTER SECTION, AILERONS & FLAPS. ALL WOOD IS BALSA UNLESS NOTED OTHERWISE.
3/8
B-B BOTTOM WING
C-C TOP WING
NO. 2 SHOULDER SCREW
"N" STRUT ANCHOR POINTS
THRU HOLE FOR SERVO "Y" CONNECTION
GOLDBERG FLAT CLAMPS
3/32 BALSA BOTH SIDES
ADJUST LENGTH ON ASSEMBLY
"N" STRUT
1/64 PLY BOTH SIDES
SHEET 2 OF 2
GULL WING BIPE
DESIGNED & DRAWN BY MARTIN A. FALLANDY
PLAN NO. 8940