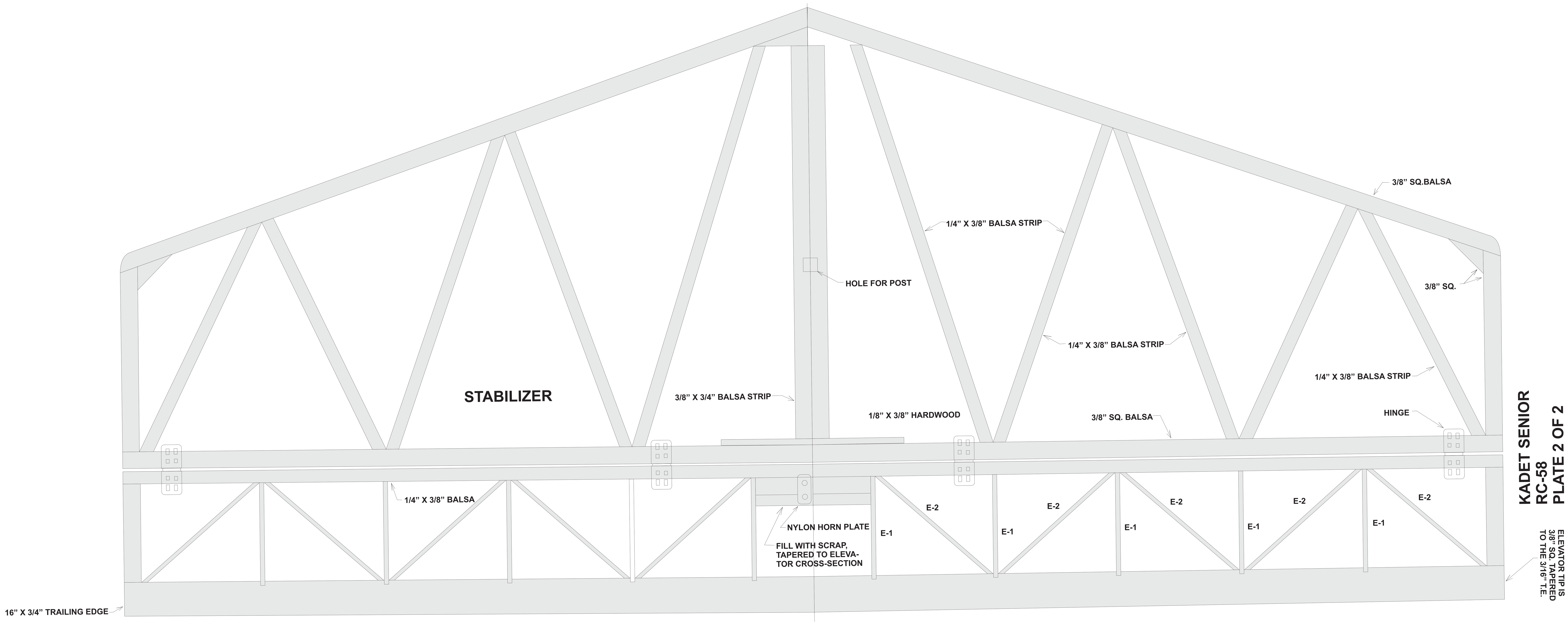
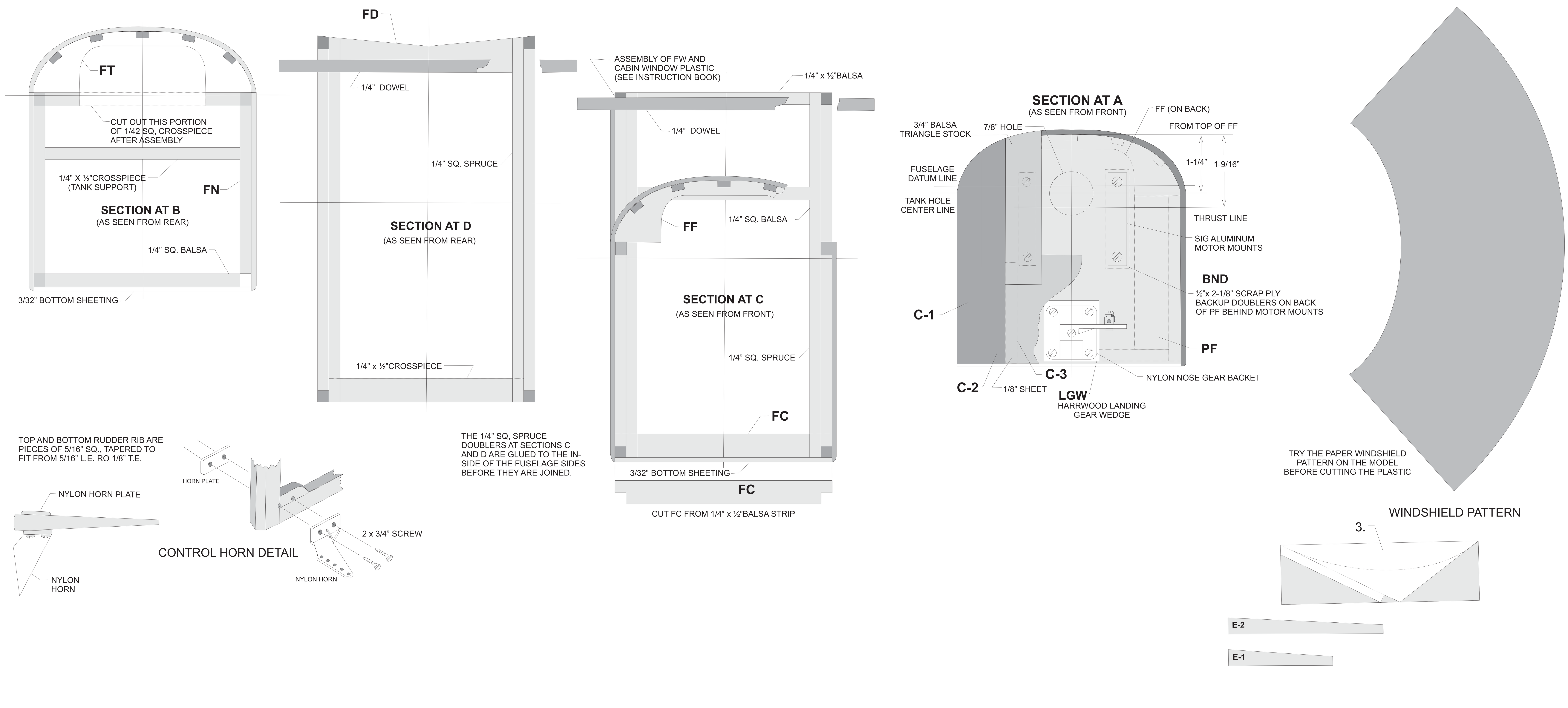
SIG MANUFACTURING CO., INC.
FD
FUSELAGE TOP VIEW
C-1
C-3 (ON BOTTOM)
3/32" TOP SHEETING
3/4" BALSA TRIANGLE STOCK
OUTSIDE EDGE OF MAIN FRAME IS INDICATED BY BLACK ARROWHEADS
WRAP RECEIVER IN A FROM RUBBER PACKAGE AND STOW IN A SCRAP BOX ON CABIN FLOOR. USE RUBBER BANDS ON HOOKS TO HOLD IT IN PLACE.
1/4" DOWEL
1/64" DIE-CUT PLY WINDOW FRAME - PW
SWITCH
GROOVED HARWOOD LANDING GEAR BLOCK
THE 3/8" SQ. HARDWOOD SERVO MOUNTING RAILS ARE PART OF THE FUSELAGE STRENGTH. IF ANOTHER METHOD OF MOUNTING SERVOS IS USED, PUT IN A CROSSPIECE SOMEWHERE IN THIS VICINITY.
1/4" SQ. SPRUCE
FF
FT
RECEIVER
1/4" SQ. BALSA (ON BOTTOM)
SCRAP STANDOFF
1/4" X ½"BALSA (ON TOP)
1/4" X ½"BALSA
FLEXIBLE CABLE
1/4" SQ. BALSA (ON BOTTOM)
3/8" SQ. HDW. SERVO RAILS
FD
3/4" BALSA TRIANGLE STOCK
1/4" X ½" TOP CROSSPIECE
1/4" X ½"BALSA (ON EDGE)
1/4" SQ. BALSA DOUBLERS ON BOTTOM ONLY, INSTALLED AFTER MAIN FRAME ASSEMBLY.
FUSELAGE TOP PIECE IS 1/4" SQ. SPRUCE
1/4" SQ. BALSA
1/4" SQ.
5/16" SQ. BALSA PUSHRODS
LEAVE HOLE FOR BOTTOM OF FIN FILLET
U
X
RC LINK
HOLE FOR FIN POST
FILL IN THIS TOP SECTION WITH 3/32" BALSA SHEET
CUT OUT HOLE FOR FIN POST AFTER ASSEMBLY
TO ELEVATOR
5/16" SQ. BALSA
1/8" X 3/4" TRAILING EDGE
HINGE
R-1
R-2
R-3
R-4
R-5
R-6
R-7
R-3 -5
FIN
3/16" X 5/16"
1/8" X 5/16" BALSA STRIP
5/16" SQ. BALSA
RUDDER
RD IS 5/16" SHEET BALSA
RD
NYLON RUDDER HORN
5/16" SCRAP
TOP AND BOTTOM RUDDER RIB ARE PIECES OF 5/16" SQ., TAPERED TO FIT FROM 5/16" L.E. RO 1/8" T.E.
NYLON HORN PLATE
NYLON HORN
Y
Z
3/32" WING SPAR WEBS
D-1
TRACE THE BEVEL OUTLINE ONTO THE DIE CUT PART FF FROM THIS PATTERN
FF
FF IS 1/8" LITE PLY
BALANCE POINT
1/4" X ½"BALSA (ON EDGE)
1/4" DOWEL
G-1
G-2
INSTALL G-2 AFTER MAIN FRAME IS ASSAMBLED
CABIN TOP PIECE IS 1/4" SQ. SPRUCE
1/64" DIE-CUT PLY WINDOW FRAME - FW
MAIN FRAME INDICATED BY GREY TONE
FUSELAGE TOP PIECE IS 1/4" SQ. SPRUCE
1/4" SCRAP SHEET
PF - 5/32" DIE-CUT PLY TIREWALL
FOR CLARITY, ONLY THE TOP 1/8" X 1/4" SPRUCE STRINGER IS SHOWN.
OUTLINE OF PAINTED WINDSHIELD FRAME
3/32" TOP SHEETING
10 OZ. SULLIVAN RST TANK (12 OZ. WILL FIT ALSO)
FUSELAGE DATUM LINE
6-32 BLIND NUTS
1/4" x ½"CROSSPIECE (TANK SUPPORT)
3/32" x 4-3/4" BALSA SIDE SHEET
FC
FN
G-3
THRUST LINE
2" GOLDBERG SPINNER
C-2
C-1
C-3
4-40 BLIND NUTS
* GOLDBERG PC-1 OR EQUIVALENT
LGW HARDWOOD LANDING GEAR WEDGE
A
B
FN - BALSA FILL-IN FROM 1/4" PRINTED SHEET
3/4" TRIANGULAR STOCK
1/4" x ½"CROSSPIECE - FC
3/32" BOTTOM SHEETING
3/8" X 3/4" X 1" HDW. ANCHOR BLOCK
GROOVED HARDWOOD LANDING GEAR BLOCK
3/32" BOTTOM SHEETING ENDS HERE.
D
3/32" SCRAP STRIP GLUED ON BOTTOM OF FUSELAGE, FEATHERED INTO FUSELAGE CONTOUR WITH SANDING BLOCK.
FUSELAGE SIDE VIEW
5/16" SQ. BALSA PUSHROAD
FUSELAGE FRAME IS 1/4" SQ. BALSA EXCEPTED WHERE OTHRTWISE INDICATED
SPLICE 1/4" SQ. HERE
MAIN FRAME INDICATED BY GREY TONE
1/8" X 1/4" BALSA STRIP
1/8" X 1/4"
FILE A FLAT SPOR ON L.G. TO CATCH STEERING ARM SCREW
NYLON STEERING ARM
SIG SH-589
DU-BRO NL 121 OR GOLDBERG PC-1
FORMED NOSE GEAR
5/32" WIRW NOSE GEAR
3-1/4" WILLIAMS BROS. WHEEL
1/4" x ½"BALSA
HARDWOOD ANCHOR BLOCK
GUSSET G-3
GROOVED HARRWOOD BLOCK
1/4" x ½"BALSA
(AS SEEN FROM FRONT)
MAKE STRAPS FROM ALUMINIUM STRIP
TORSION ARM
LANDING GEAR DETAIL
3-1/2" WHEELS MAY BE SUBSTITUTED ON THE MAIN GEAR AND 3" ON THE NOSE WHEEL IS DESIRED.
5/32" WIRW NOSE GEAR
3-1/4" WILLIAMS BROS. WHEEL
TO WING RIB
DIHEDRAL GAUGE
GLUE TO LIGHT CARDBOARD
PUSHRODS
5/16" SQ. BALSA
MAKE CONTROL SURFACE ENDS OF PUSHROD FIRST. FEED THROUGH FUSELAGE, HOOK RC LINK TO SURFACE CUT SERVO END OF BALSA TO EXACT LENGTH NEEDED, MEASURE AND INSTALL SERVO CONNECTING WIRE END.
WRAP WITH THREAD AND COAT WITH GLUE
THREADED ROD
RC LINK
KADET
Senior
WING SPAN: 78"
WEIGHT : 6 LBS. AVERAGE
WING AREA: 8 SQ. FEET
WING LOADING: 12 OZ. PER SQ. FT.
Designed and drawn by Claude McCullough
RC-58
KADET SENIOR
PLATE 1 OF 2

KADET SENIOR
RC-58
PLATE 2 OF 2





x
W-4
W-3
W-3
W-3
W-3
W-3
W-3
W-2
W-2
W-2
D-1
W-1
W-1
SCRAP BLOCK
1/8"SQ. LEADING EDGE
1/82 SHEET PLANKING
WING SPARS WEBS ARE CUT FROM 3/32" X 3/1/4" SHEET
1/4" X 1/2"BALSA TOP FRONT SPAR
1/4" X 1/2"BALSA BOTTOM FRONT SPAR
D-1
SPAR DUBLER ENDS HERE
WT
1/4" X 1/2"BALSA
W-1
W-1
W-2
W-2
W-2
W-3
W-3
W-3
W-3
W-3
W-3
W-4
INSTALL DIHEDRAL DOUBLERS D-1 AFTER WING HALVES ARE JOINED TOGETHER.
RIGHT WING HALF
1/16" SHEET PLANKING
WING SPARS WEBS ARE CUT FROM 3/32" X 3/1/4" SHEET
SPAR DUBLER ENDS HERE
3/16" X 3/8" BALSA TOP REAR SPAR
3/16" X 3/8" BALSA BOTTOM REAR SPAR
7/16" X 1-3/8" TRAILING EDGE
SCRAP BLOCK
FLAPS
ELEVADOR
SAW OFF FRONT OF STABILIZER AFTER ASSEMBLY
1/16" SHEET PLANKING
WING TIP CROSS-SECTION
WING TIP GAUGE
GLUE TO LIGHT CARDBOARD
DO NOT SHAPE LEADING EDGE UNTIL AFTER CABIN FILLET ON CENTER SECTION IS INSTALLED AND SHAPED.
WT
1/4" X 1/2"
FRONT SPARS
BEVEL
6"
WT
WING SPAR LOCATION MARKS
DIHEDRAL VIEW