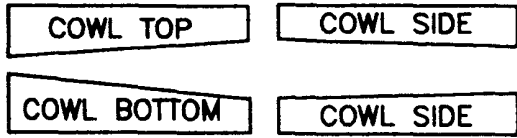
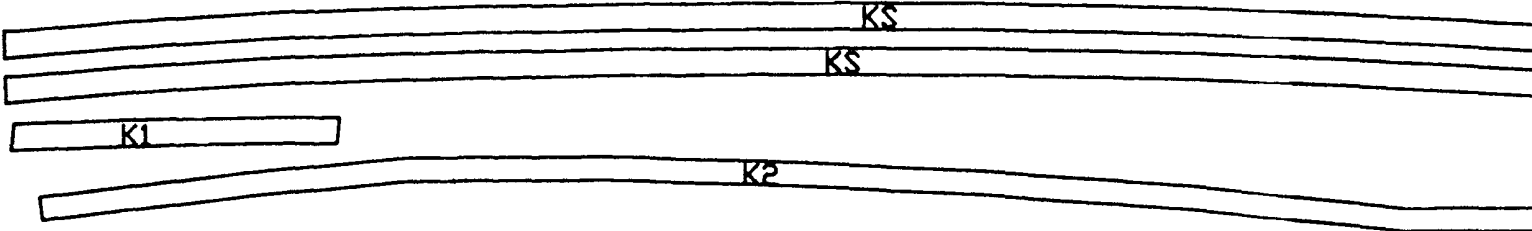
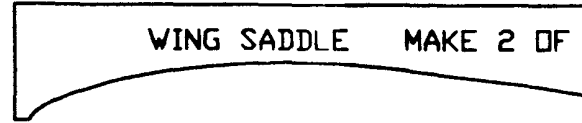
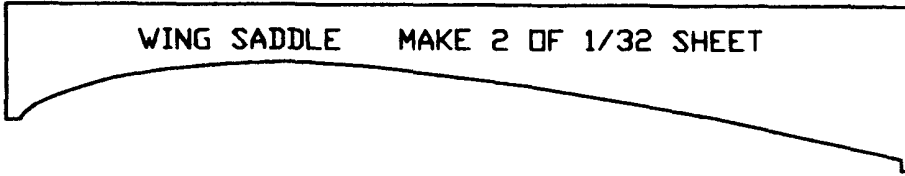
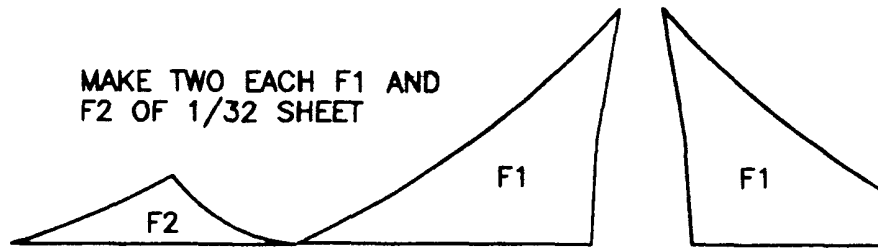


MAKE FOUR (4) COWLING ALIGNMENT
JIGS (BELOW) OF SCRAP BALSA

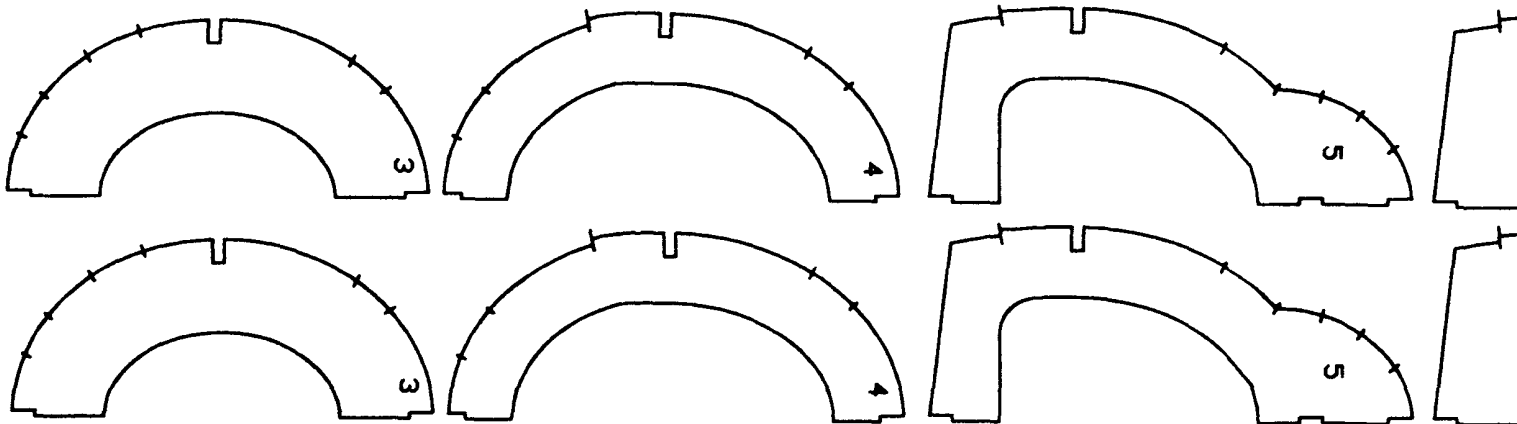


MAKE TWO EACH F1 AND
F2 OF 1/32 SHEET

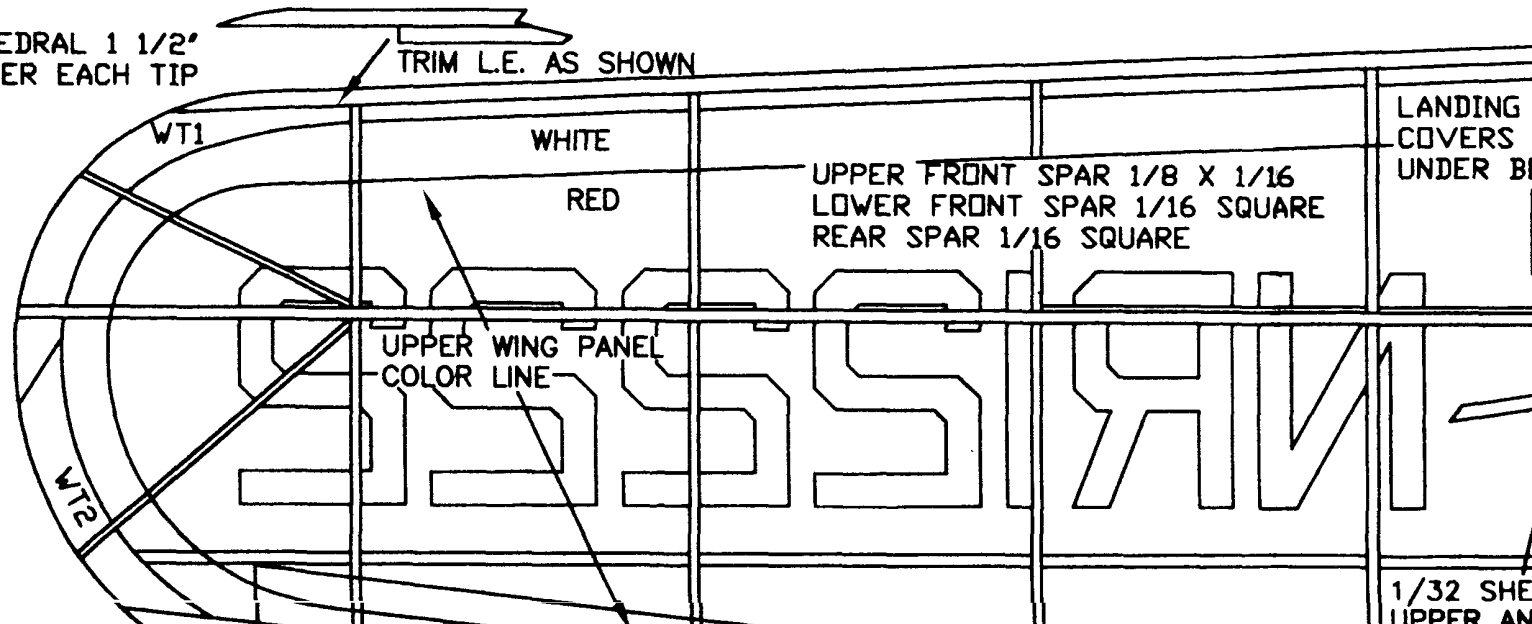


ALL KEEL MEMBERS SHOULD BE
MEDIUM HARD STRAIGHT GRAINED

NOTE THAT STRINGER LOCATION
MARKS ARE APPROXIMATE. EYEBALL
FOR SYMMETRY AS STRINGERS ARE
APPLIED ONTO FUSELAGE.



WING TIP HEDRAL 1 1/2"
ON EACH TIP



LANDING
COVERS
UNDER B...

UPPER FRONT SPAR 1/8 X 1/16
LOWER FRONT SPAR 1/16 SQUARE
REAR SPAR 1/16 SQUARE

UPPER WING PANEL
COLOR LINE

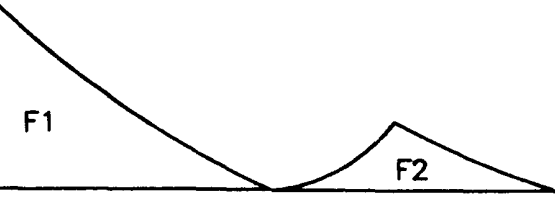
1/32 SHEET
UPPER A...

RUDDER REG. - RED

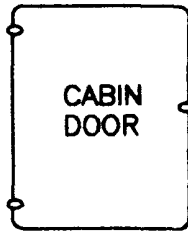
NR12222

NR12222

N



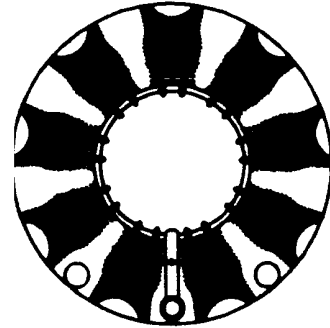
MAKE 2 OF 1/32 SHEET



EMERGENCY EXIT DOOR CENTER ON WINDOW

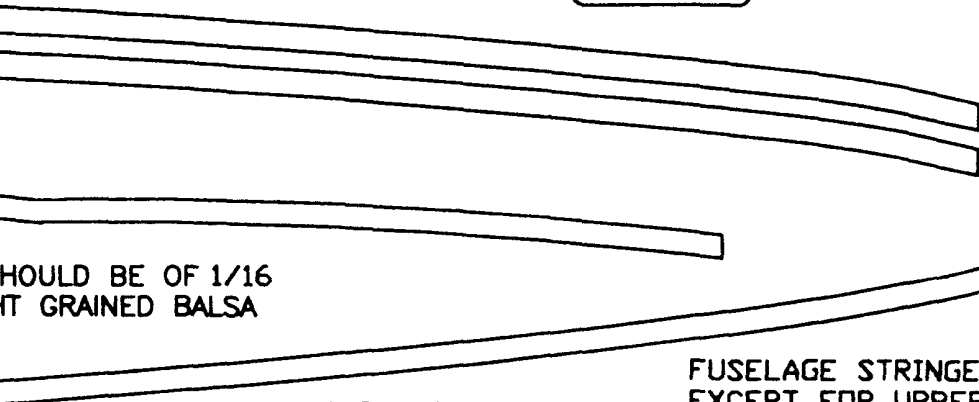


CABIN & BAGGAGE DOOR LOCATED AS PER SIDE VIEW. EMERGENCY EXIT DOOR IS OPPOSITE CABIN DOOR.



CUT FROM PLAN AND ATTACH TO FORMER 1 MAKE CANDOPY

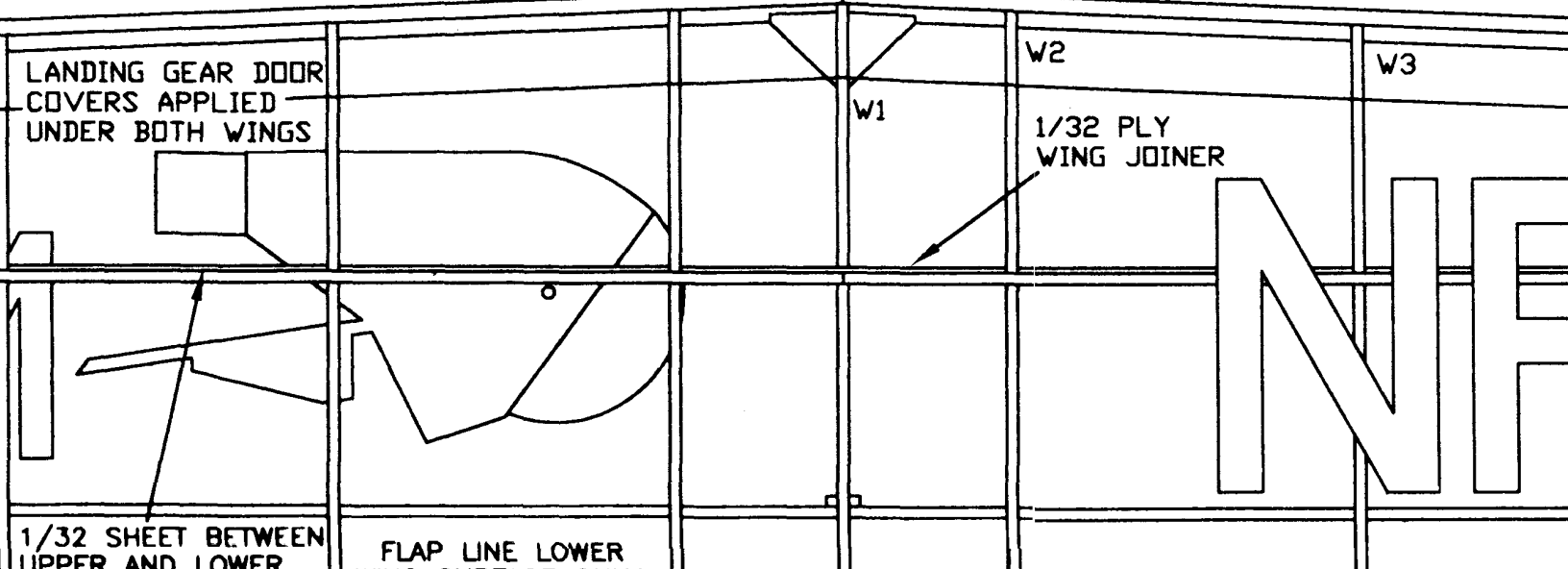
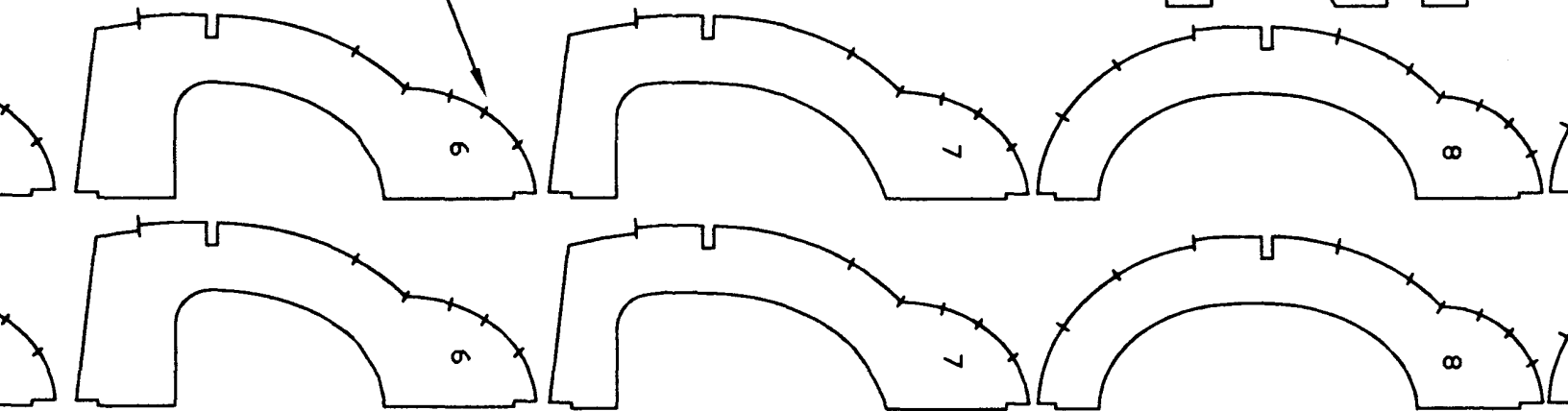
SHOULD BE OF 1/16
WITH GRAINED Balsa



1/20 SQ. STRINGERS
THIS AREA

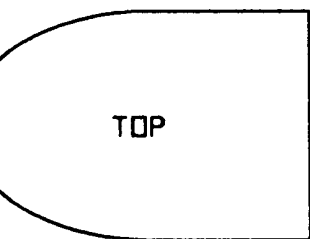
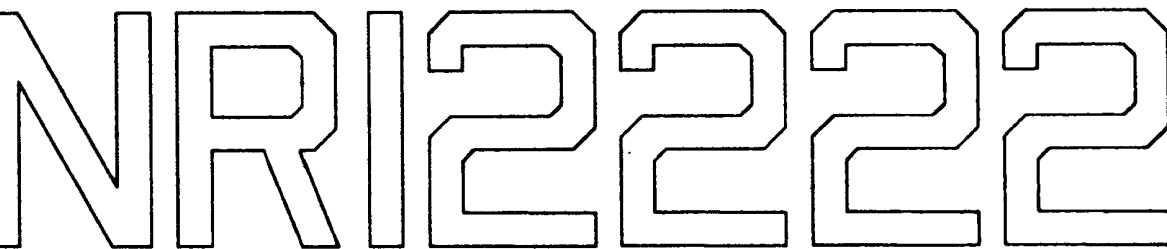
FUSELAGE STRINGERS 1/16 SQ.
EXCEPT FOR UPPER TURTLEDECK
WHERE 1/20 SQ. MAY BE USED.

NR

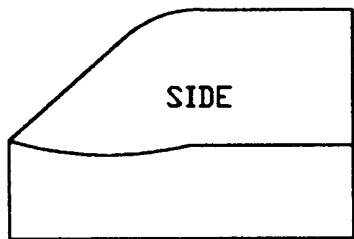


NR

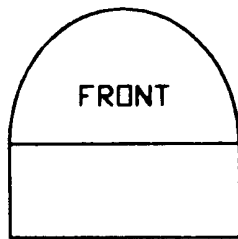
LOWER WING REG. - RED



TOP



SIDE

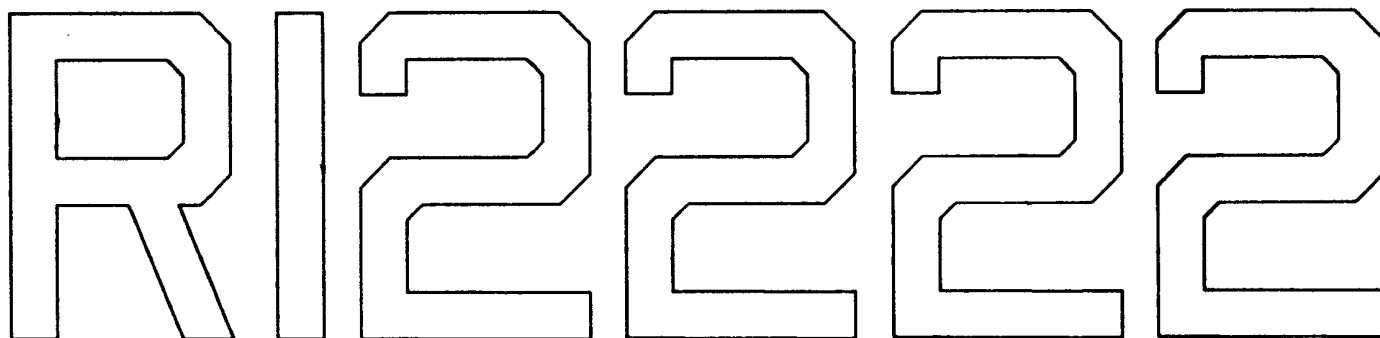


FRONT

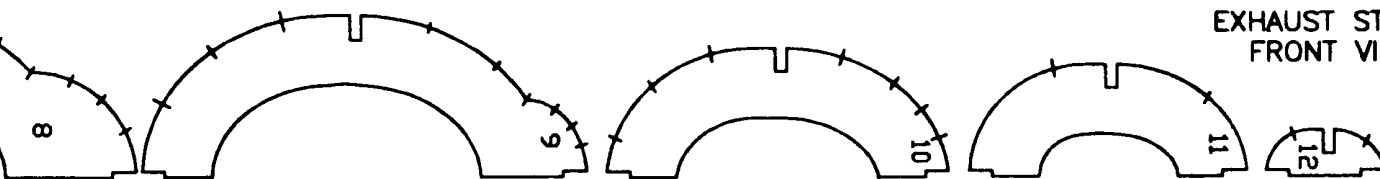
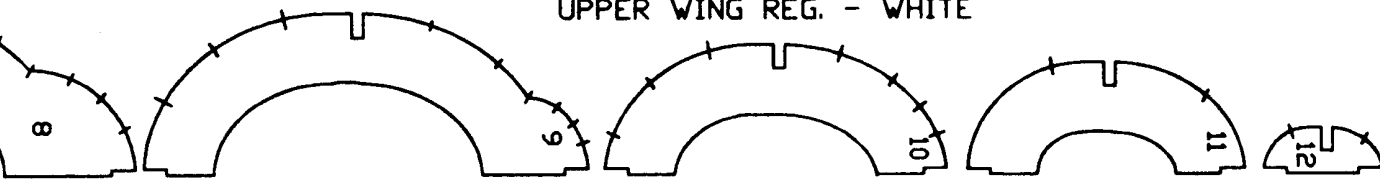
REFERENCES: WM. WYLAM PG.26
MODEL AIRPLANE NEWS 2/56

RACING PLANES AND AIR RACES,
VOL.III, REED KINERT PG.80

MAKE CANOPY FORM OF BALSA AND PLUNGE MOLD OF THIN PLASTIC.



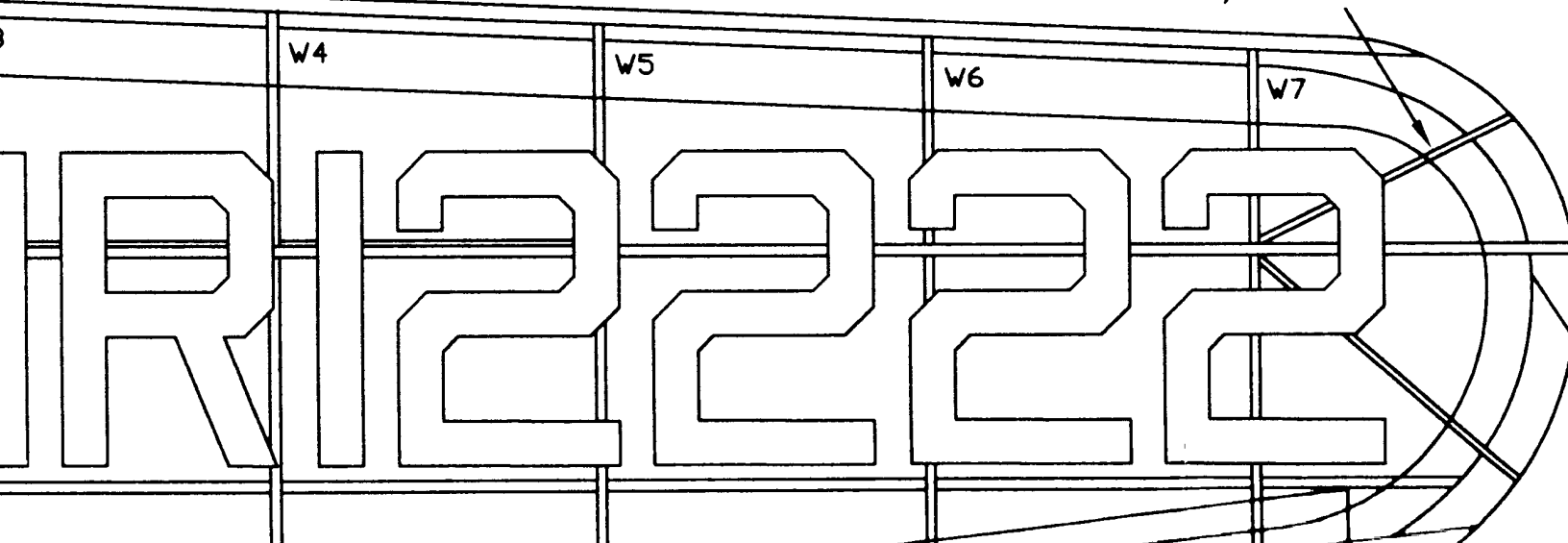
UPPER WING REG. - WHITE



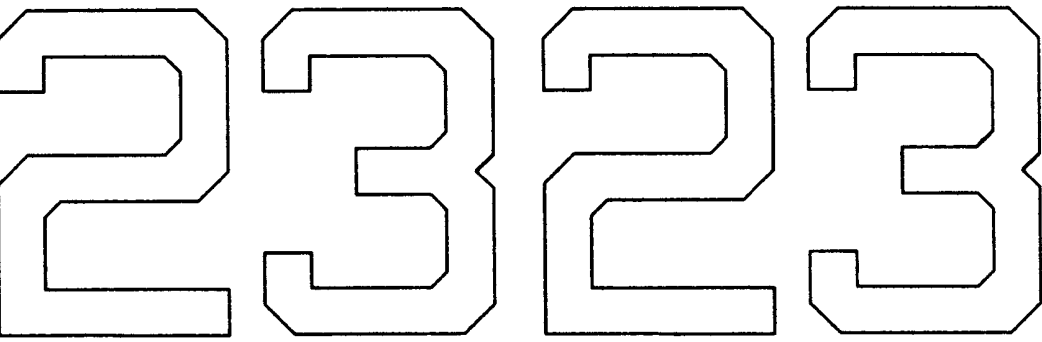
EXHAUST STACK LOCATION
FRONT VIEW

LEADING EDGE 1/8 SQUARE ON EDGE

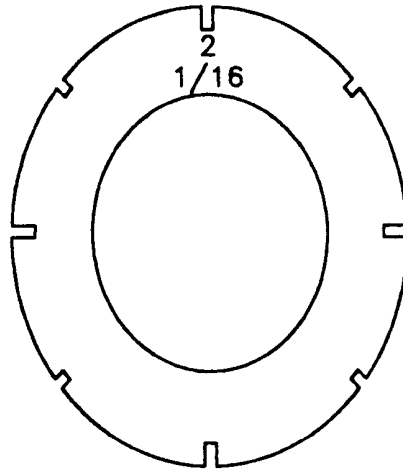
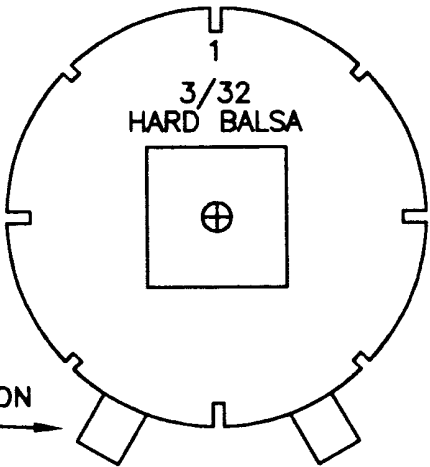
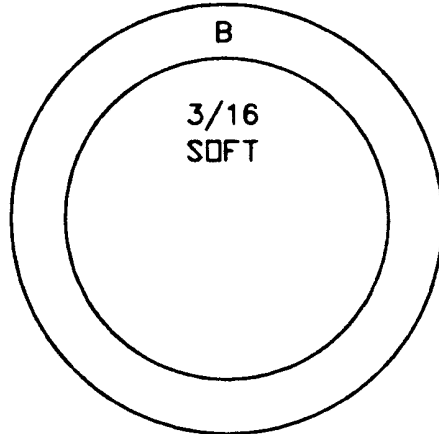
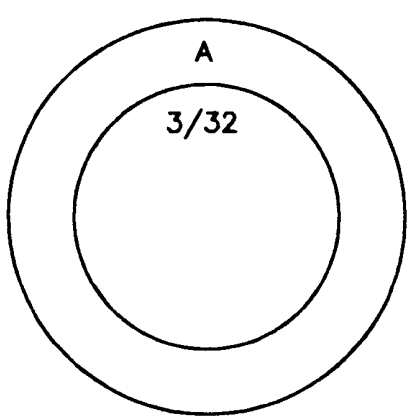
1/32 SHEET SCRAP



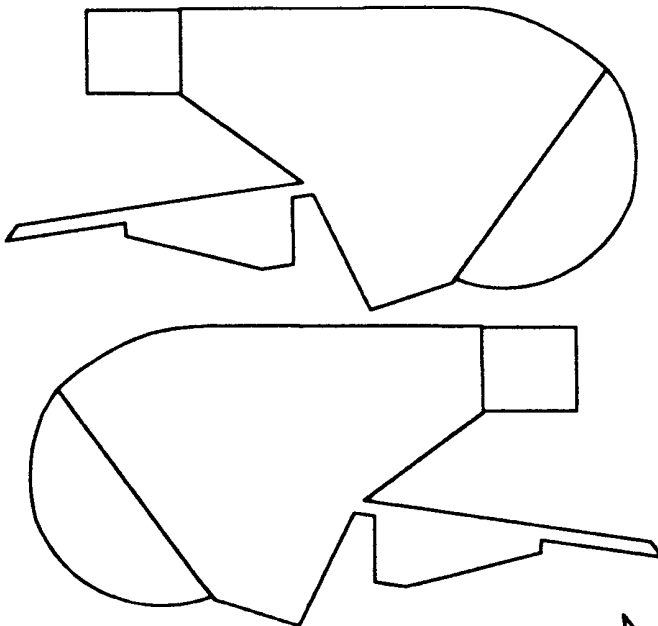
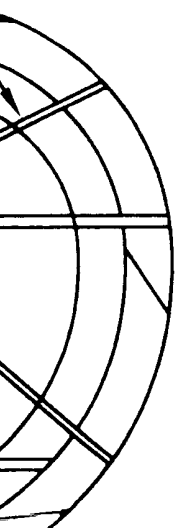
FUSELAGE SIDE RACE NUMBERS ARE WHITE

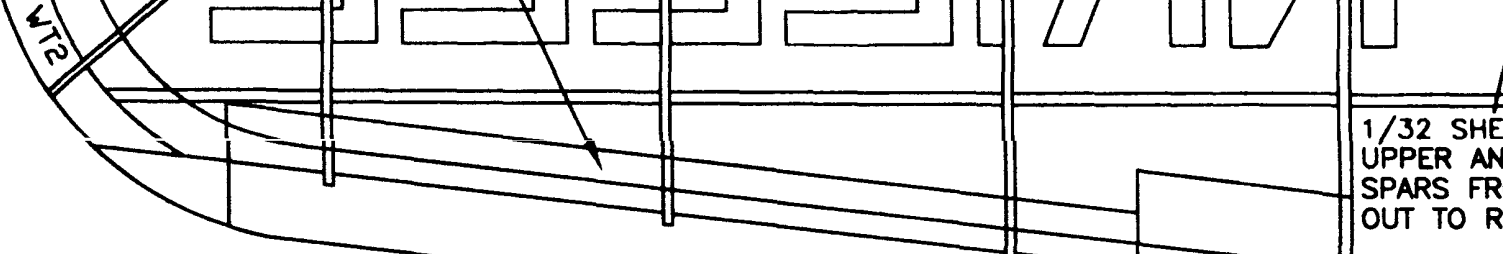


26
ES,



CRAP





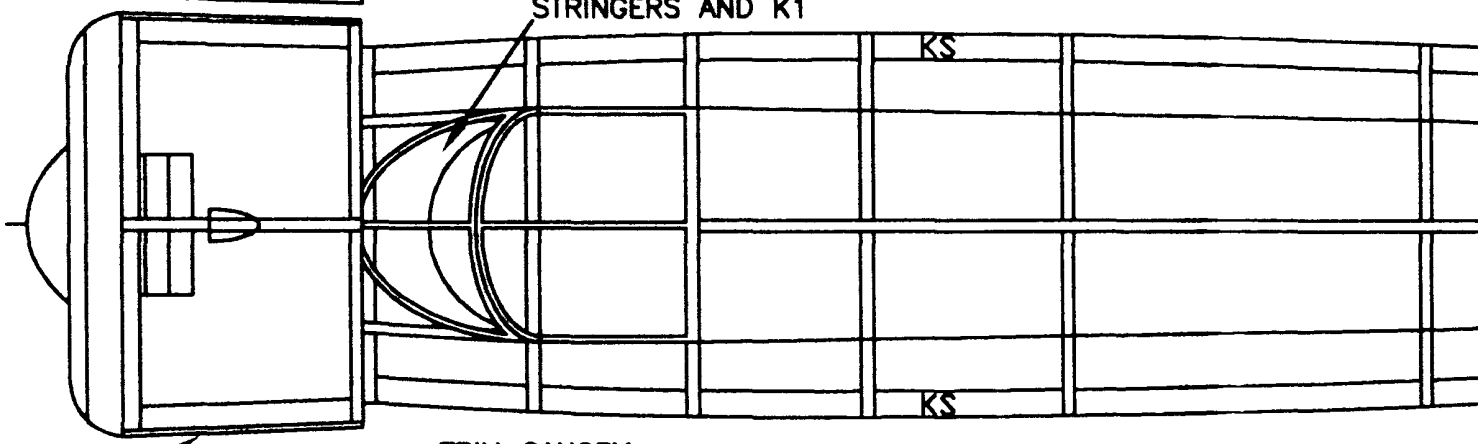
1/32 SHEET
UPPER AN
SPARS FR
OUT TO R

NOTE THAT COWLING IS BUILT AND FINISHED AS A SEPARATE UNIT. BEGIN CONSTRUCTION BY PINNING FORMER 2 TO A FLAT SURFACE. ADD FOUR 1/16 X 1/8 STRINGERS AND FORMER 1. USE JIGS TO INSURE ALIGNMENT OF BASIC STRUCTURE. ADD REMAINING 1/16 SQ. STRINGERS. COVER WITH 1/32 SHEET. ADD Balsa RINGS A & B.

FUSELAGE STRINGERS 1/16 EXCEPT FOR UPPER TURTLE WHERE 1/20 SQ. MAY BE US

COWL SIDE JIG

1/32 SHEET FILL BETWEEN STRINGERS AND K1



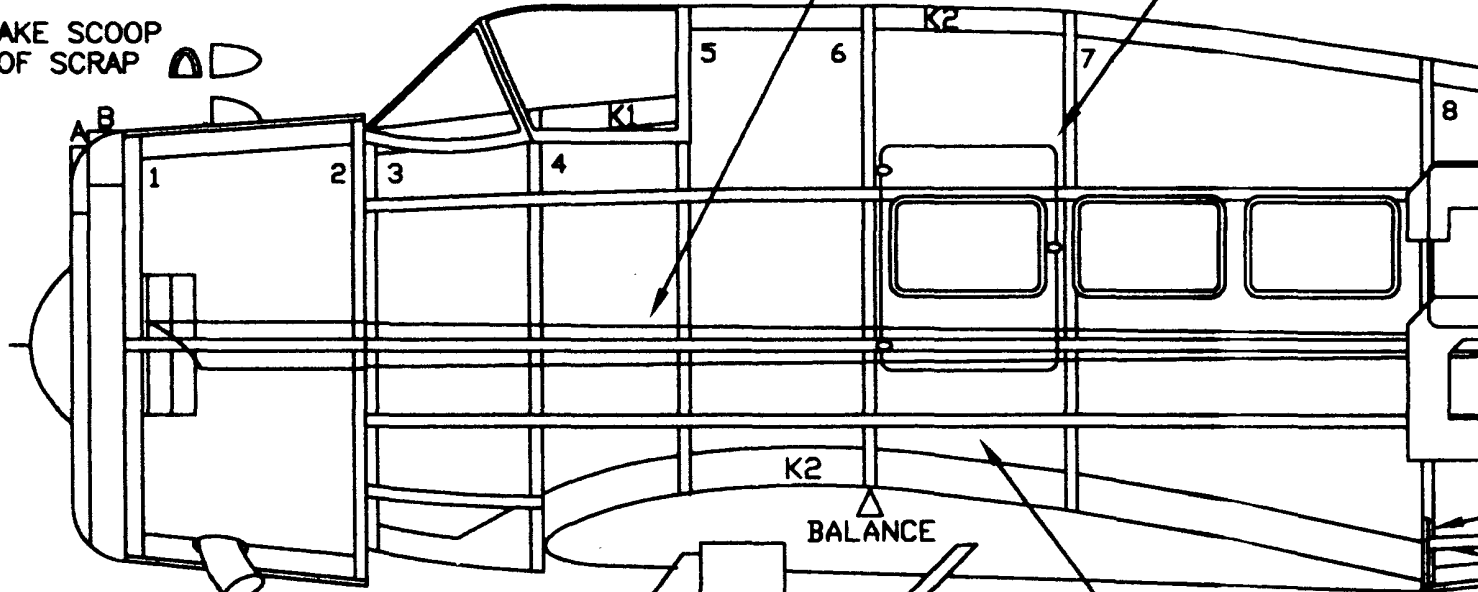
ENTIRE COWL WRAPPED WITH 1/32 SHEET Balsa

TRIM CANOPY WITH BLACK TISSUE STRIPS

FUSELAGE TRIMMED WITH WHITE STRIPE, BOTH SIDES

CABIN DOOR

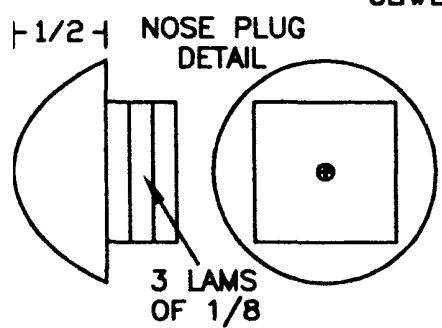
MAKE SCOOP OF SCRAP



EXHAUST STACKS BOTH SIDES OF COWLING

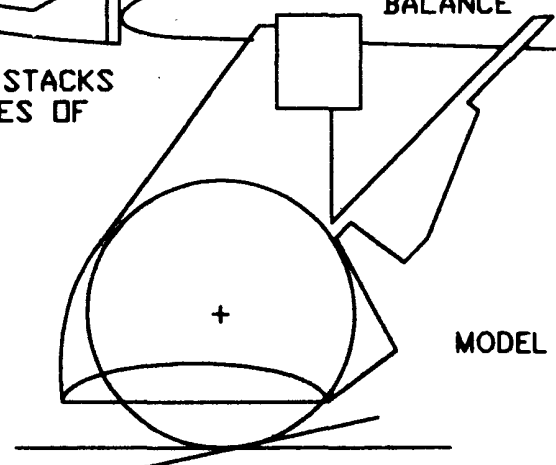
BALANCE

AREA UNDER THIS STRINGER FROM FORMER 4 TO FORMER 8 COVERED WITH 1/32 SHEET WING SADDLE



NOSE PLUG DETAIL

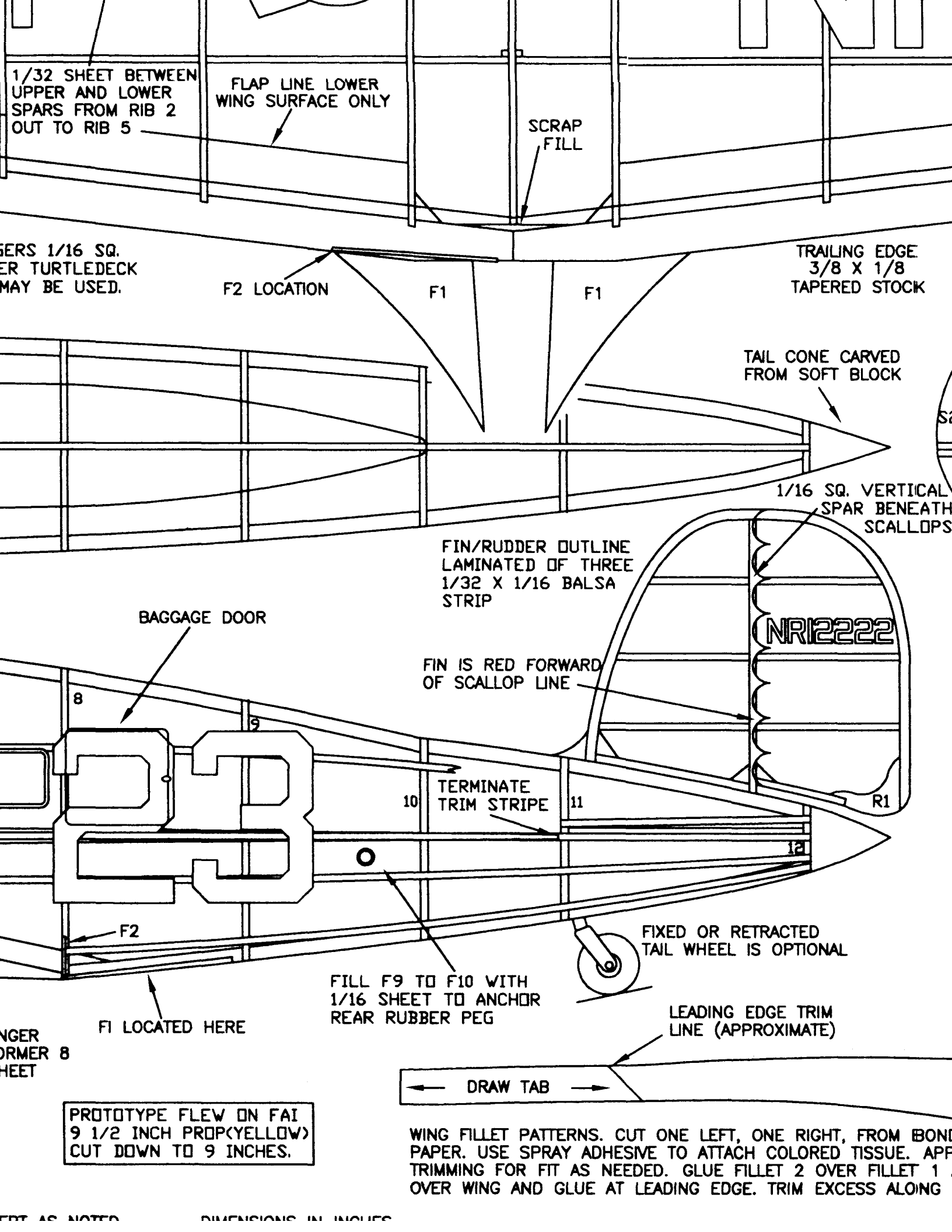
3 LAMS OF 1/8



MODEL BUILT "GEAR UP".

PRE
9
CU

MODEL IS ALL Balsa EXCEPT AS NOT



1/32 SHEET BETWEEN
UPPER AND LOWER
SPARS FROM RIB 2
OUT TO RIB 5

FLAP LINE LOWER
WING SURFACE ONLY

SCRAP
FILL

TRAILING EDGE
3/8 X 1/8
TAPERED STOCK

ERS 1/16 SQ.
ER TURTLEDECK
MAY BE USED.

F2 LOCATION

F1

F1

TAIL CONE CARVED
FROM SOFT BLOCK

1/16 SQ. VERTICAL
SPAR BENEATH
SCALLOPS

FIN/RUDDER OUTLINE
LAMINATED OF THREE
1/32 X 1/16 Balsa
STRIP

BAGGAGE DOOR

FIN IS RED FORWARD
OF SCALLOP LINE

NRI2222

TERMINATE
TRIM STRIPE

FIXED OR RETRACTED
TAIL WHEEL IS OPTIONAL

F1 LOCATED HERE

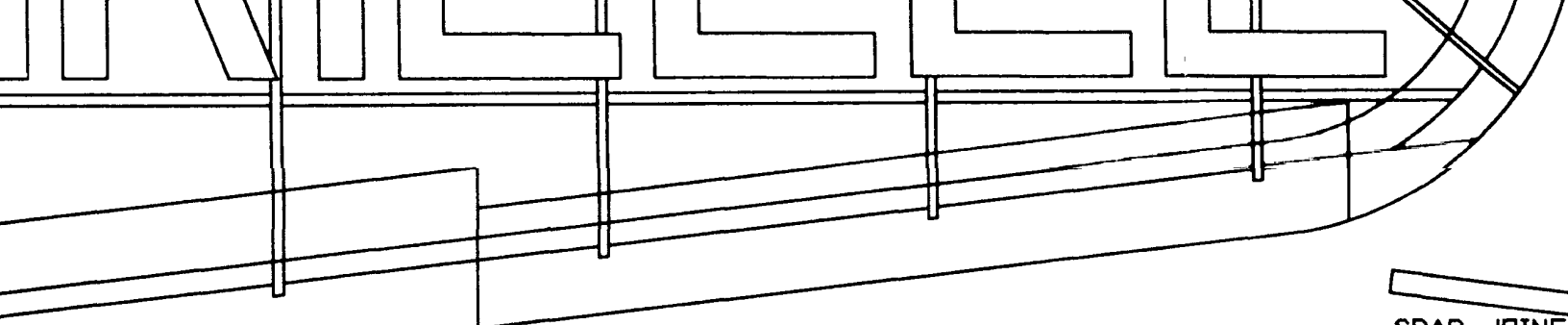
FILL F9 TO F10 WITH
1/16 SHEET TO ANCHOR
REAR RUBBER PEG

LEADING EDGE TRIM
LINE (APPROXIMATE)

DRAW TAB

PROTOTYPE FLEW ON FAI
9 1/2 INCH PROP(YELLOW)
CUT DOWN TO 9 INCHES.

WING FILLET PATTERNS. CUT ONE LEFT, ONE RIGHT, FROM BOND
PAPER. USE SPRAY ADHESIVE TO ATTACH COLORED TISSUE. AP
TRIMMING FOR FIT AS NEEDED. GLUE FILLET 2 OVER FILLET 1
OVER WING AND GLUE AT LEADING EDGE. TRIM EXCESS ALONG



SPAR JOINER

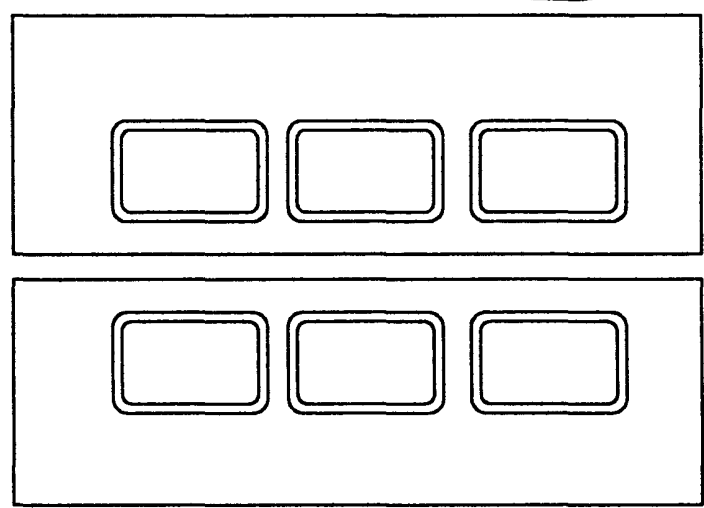
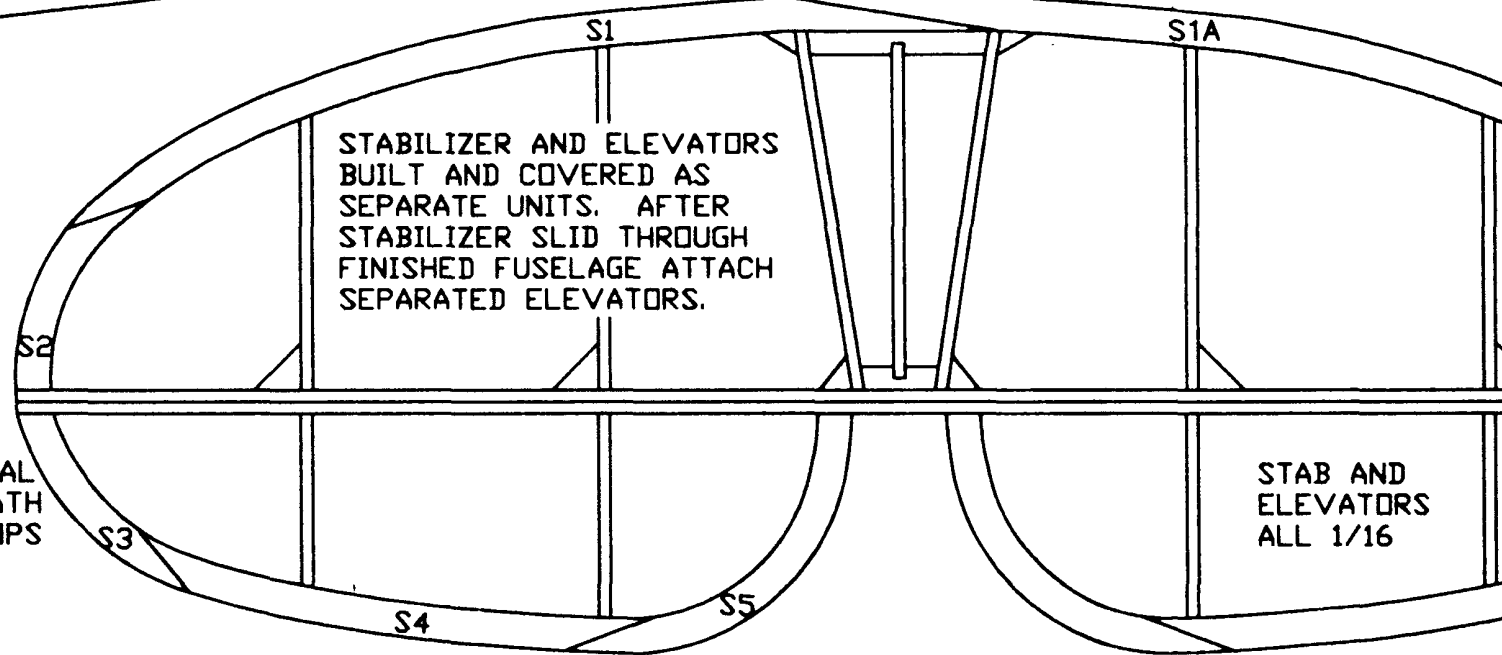
LEADING EDGE
1/8"
STOCK

CARVED
BLOCK

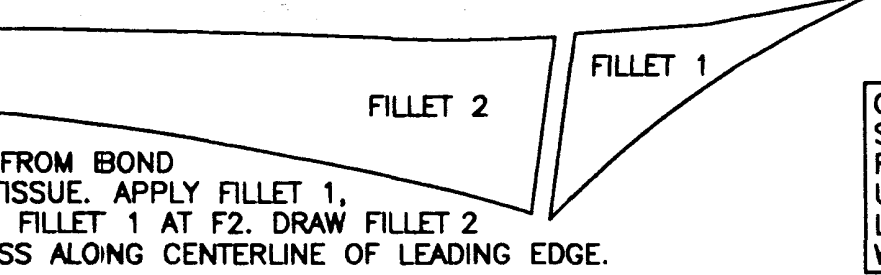
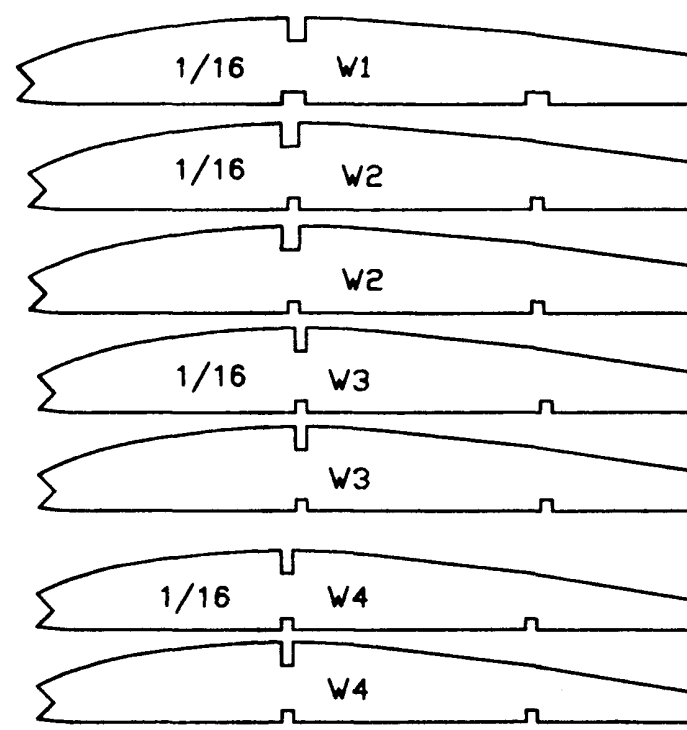
VERTICAL
RIBS BENEATH
SCALLOPS

22

R1



BOND PAPER WINDOW PATTERNS COVERED WITH RED TISSUE APPLIED WITH SPRAY ADHESIVE. WINDOW FRAMES ARE BLACK. FOR WINDOWS, ATTACH CELLOPHANE STRIP INSIDE PATTERN. TRIM PATTERN TO FIT. APPLY WHERE SHOWN ON FUSE SIDE VIEW, WITH EDGES RESTING ON FORMERS OR STRINGERS. ATTACH PATTERNS BEFORE COVERING BALANCE OF FUSELAGE.

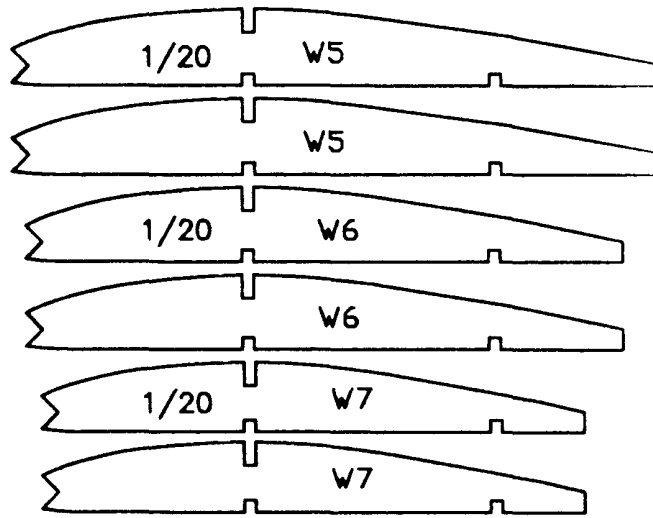
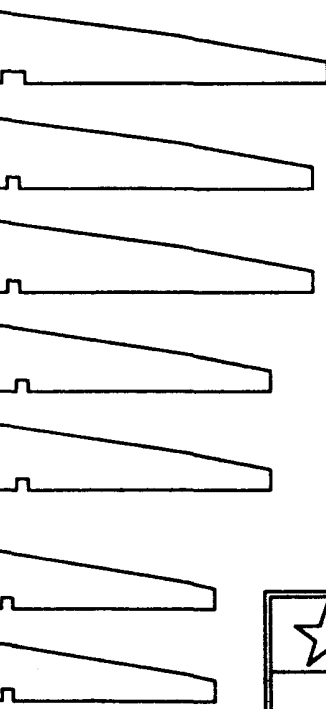
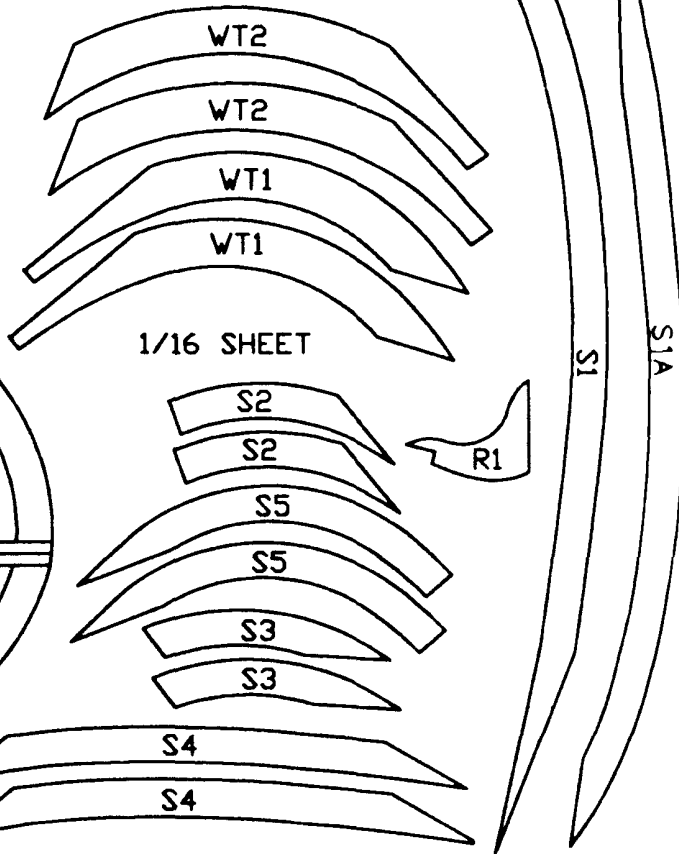


FROM BOND
TISSUE. APPLY FILLET 1,
FILLET 1 AT F2. DRAW FILLET 2
PRESS ALONG CENTERLINE OF LEADING EDGE.

COLOR SCHEME: FUSELAGE RED WITH WHITE STRIPE AND RACE NO. WING ALL WHITE WITH RED UPPER SURFACE PANELS. WHITE REG. NOS. UPPER RIGHT WING PANEL. RED REG. NOS. LOWER LEFT WING PANEL. WHITE STABILIZER. RED FIN, WHITE RUDDER WITH RED REG. NOS.

PAR JOINER 1/32 PLY

AND
ATORS
/16



ITE
WITH
EG. NOS.
S. LOWER
RED FIN,

★ *FLYING ACES CLUB* ★

Paul Mantz's

LOCKHEED ORION

1938 BENDIX TROPHY RACE

24 INCH WINGSPAN

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