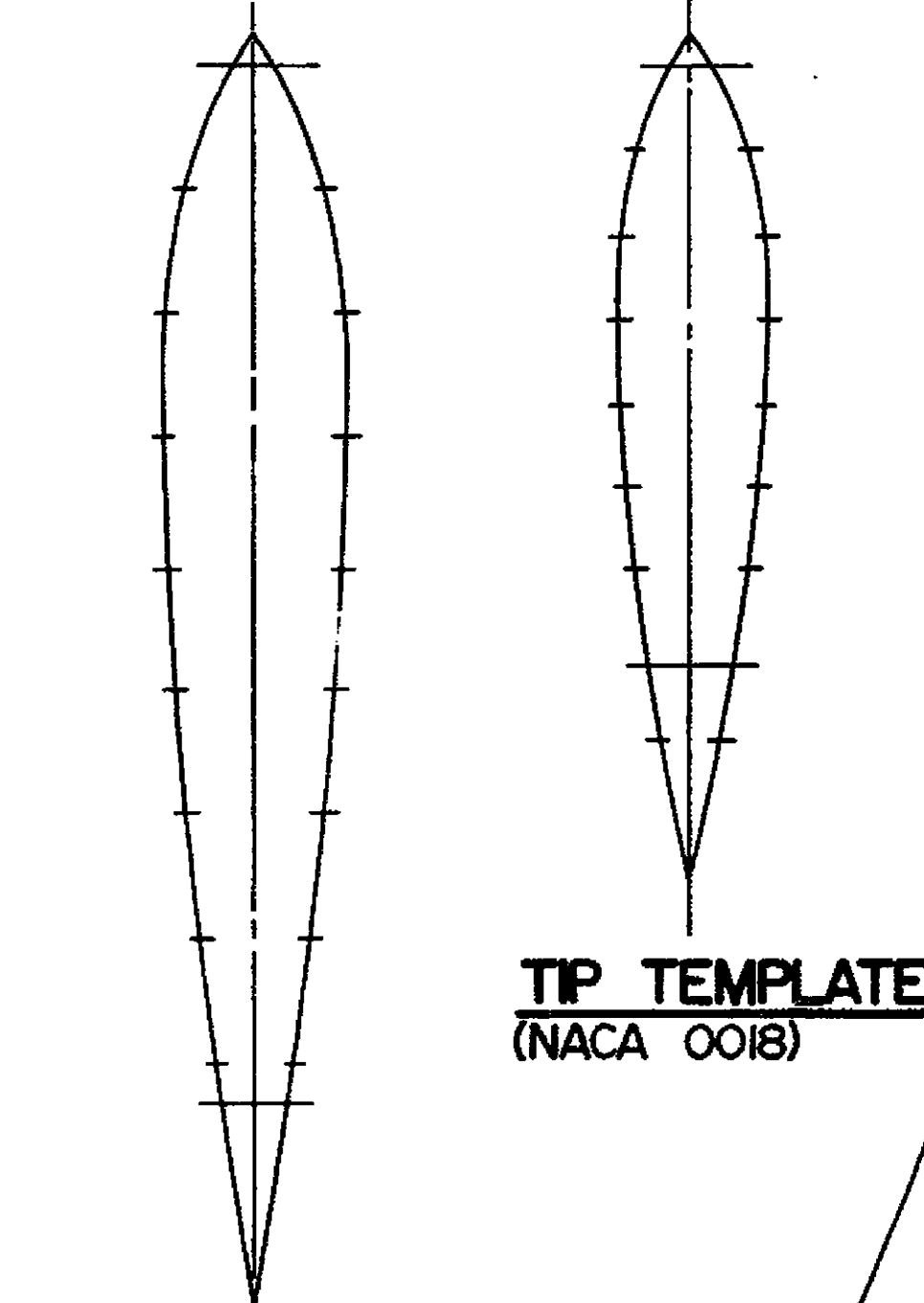
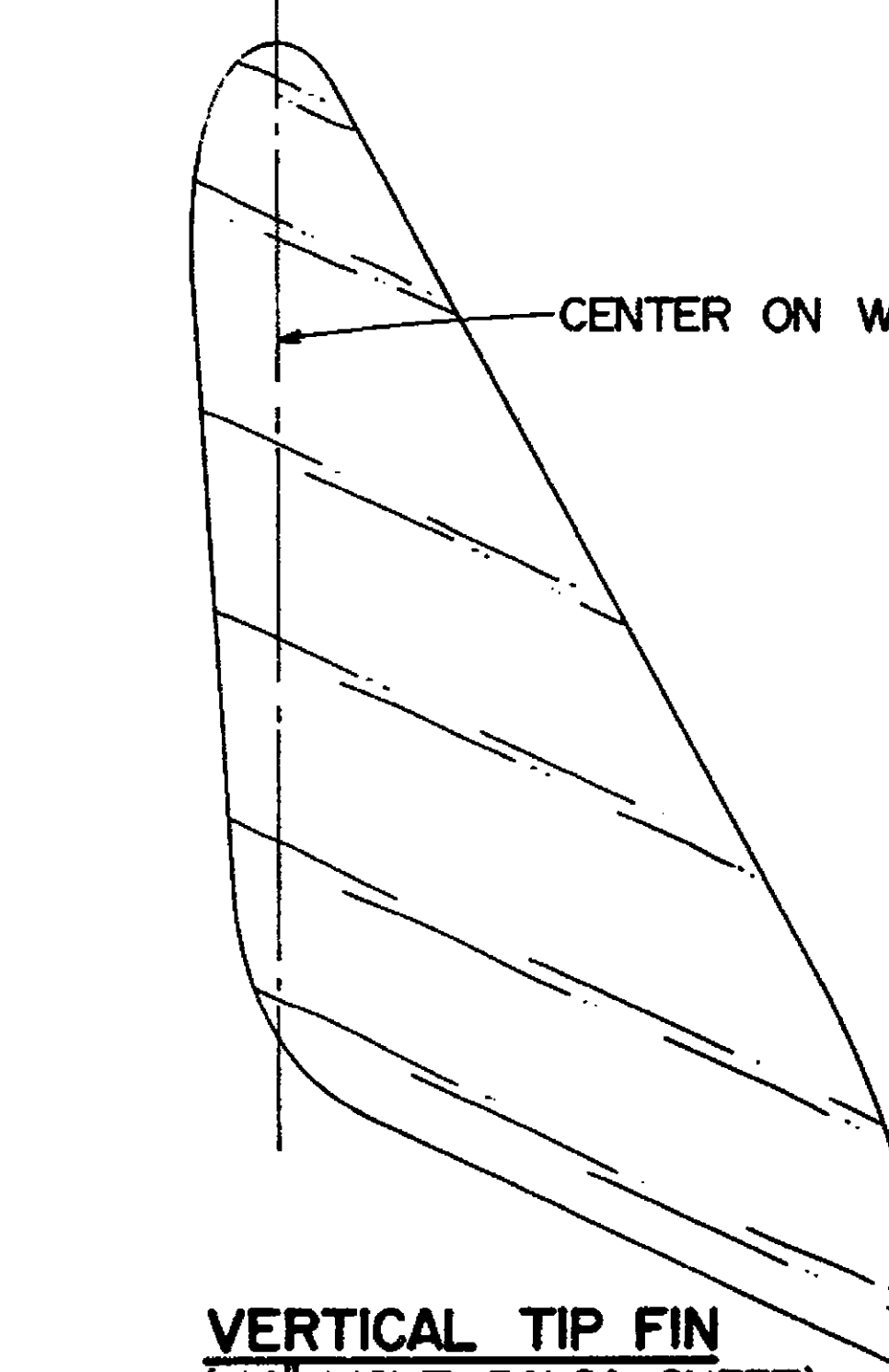
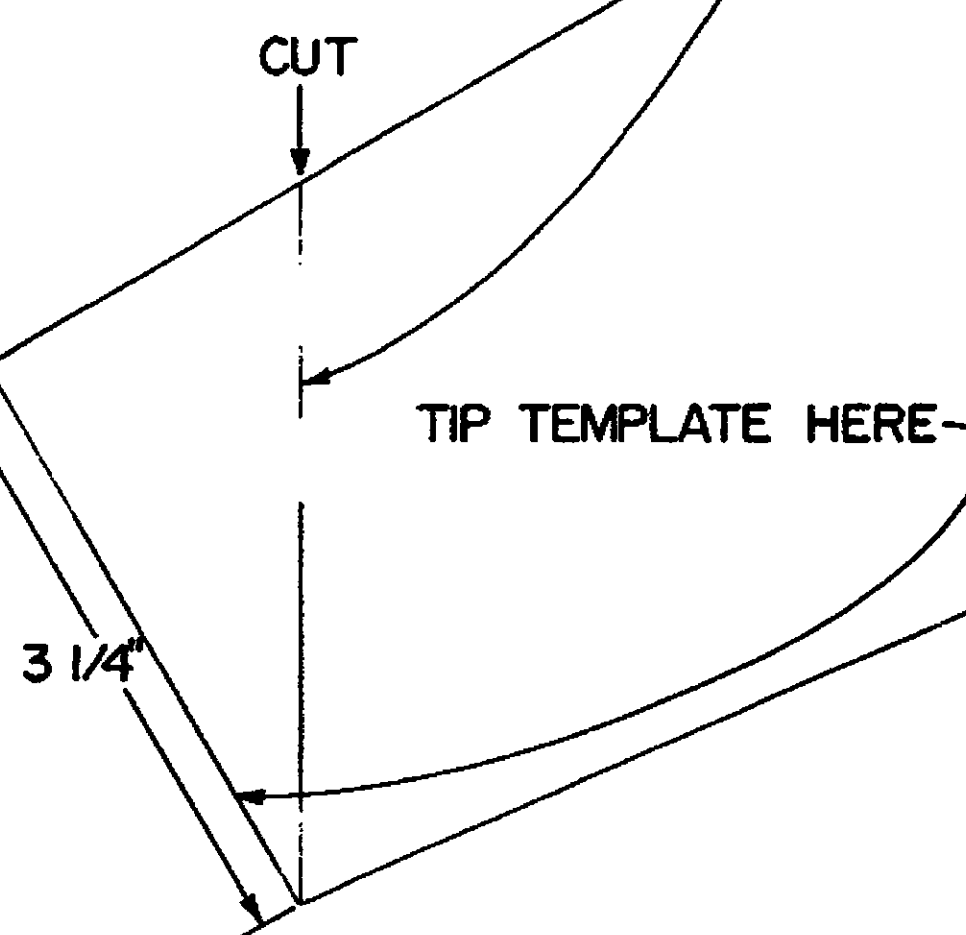
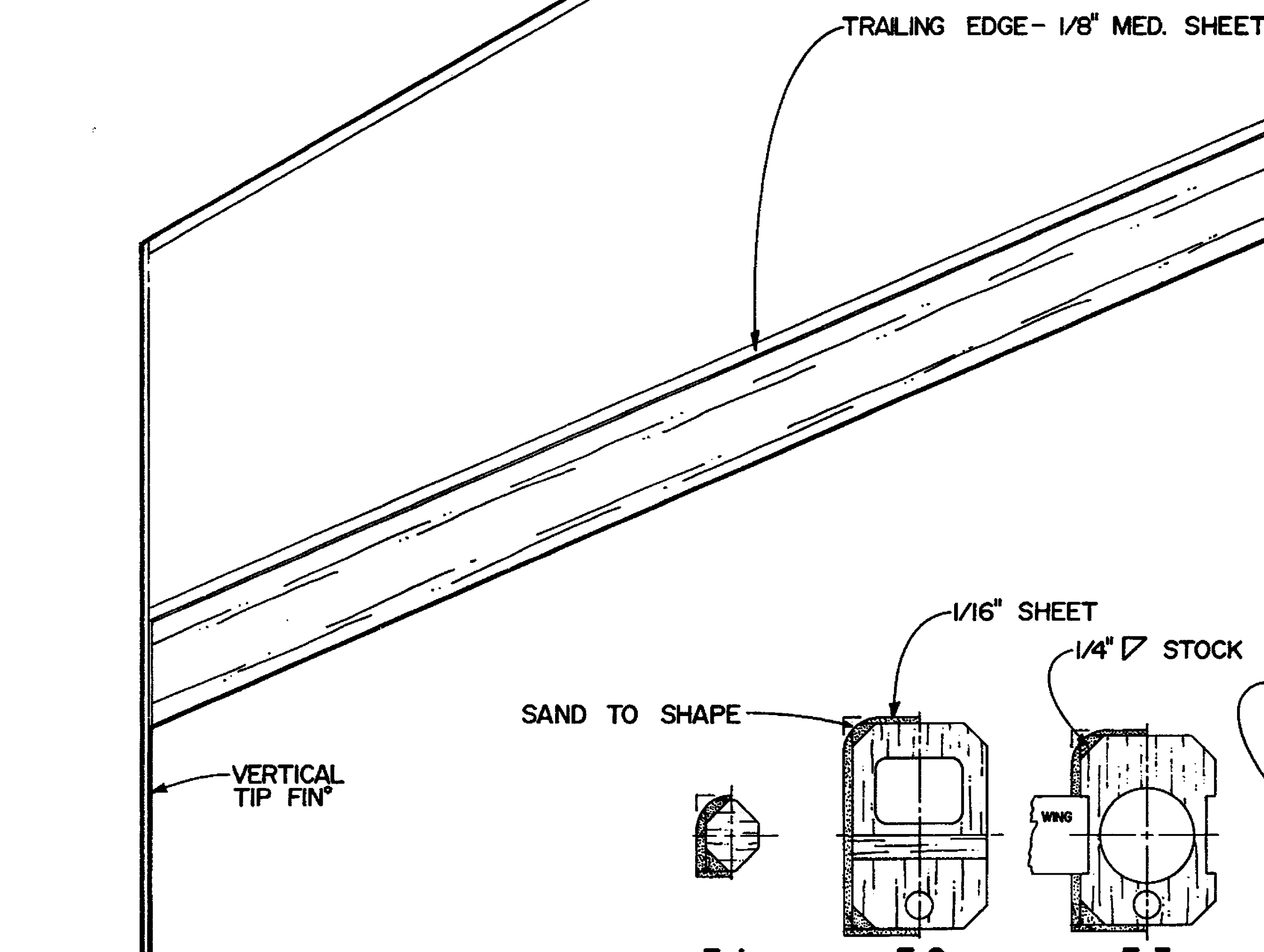




ROOT TEMPLATE
(NACA 0015)



VERTICAL TIP FIN
(1/16" LIGHT BALSA SHEET)



VERTICAL TIP FIN

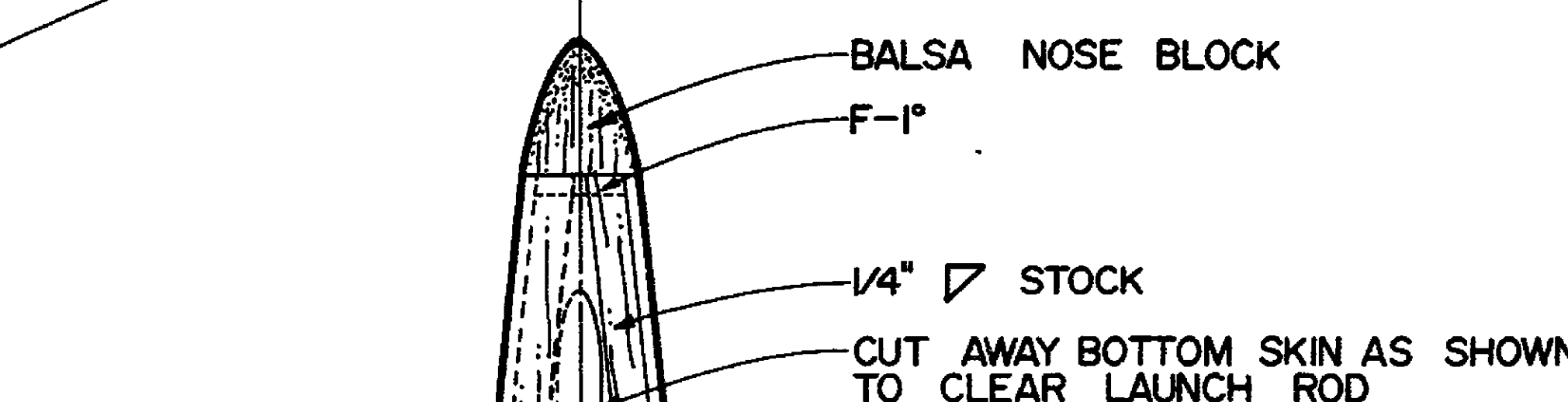
MAKE THESE CUTS WITH A BANDSAW WHILE WINGS ARE TAPED INTO SADDLES.

FOAM WING PLANFORM

WING PANELS ARE COVERED WITH 60 LB. WRAPPING PAPER, SOAKED WITH EPOXY & ALLOWED TO CURE WHILE IN WING SADDLES. (SEE TEXT)

ROOT TEMPLATE HERE

CUT



BALSA NOSE BLOCK

F-1°

1/4" STOCK

CUT AWAY BOTTOM SKIN AS SHOWN TO CLEAR LAUNCH ROD

CANARD

ELEVATOR

1/8" x 1/4" BALSA

F-2°

ELEVATOR SERVO

EDGE OF WING PANEL

SERVO RAILS - 1/4" SQ. SPRUCE

AILERON SERVO

LEFT AILERON PUSHROD (1/16" MUSIC WIRE)

TOP SKIN - 1/16" SHEET

WING SPAR

F-3°

RIGHT AILERON PUSHROD

ROCKET MOUNT TUBE

FUSELAGE SIDE

NYLON CONTROL HORN

AILERON - 1/4" x 1"

F-4°

POLYESTER FILM HINGE (SEE ABOVE)

TOP VIEW

NOTES:

ROCKET LAUNCH MOTOR IS AN ESTES "D" TYPE, WHICH WILL PRODUCE ABOUT 200' OF ALTITUDE. (SEE TEXT FOR IMPORTANT ENGINE MODIFICATION INFORMATION)

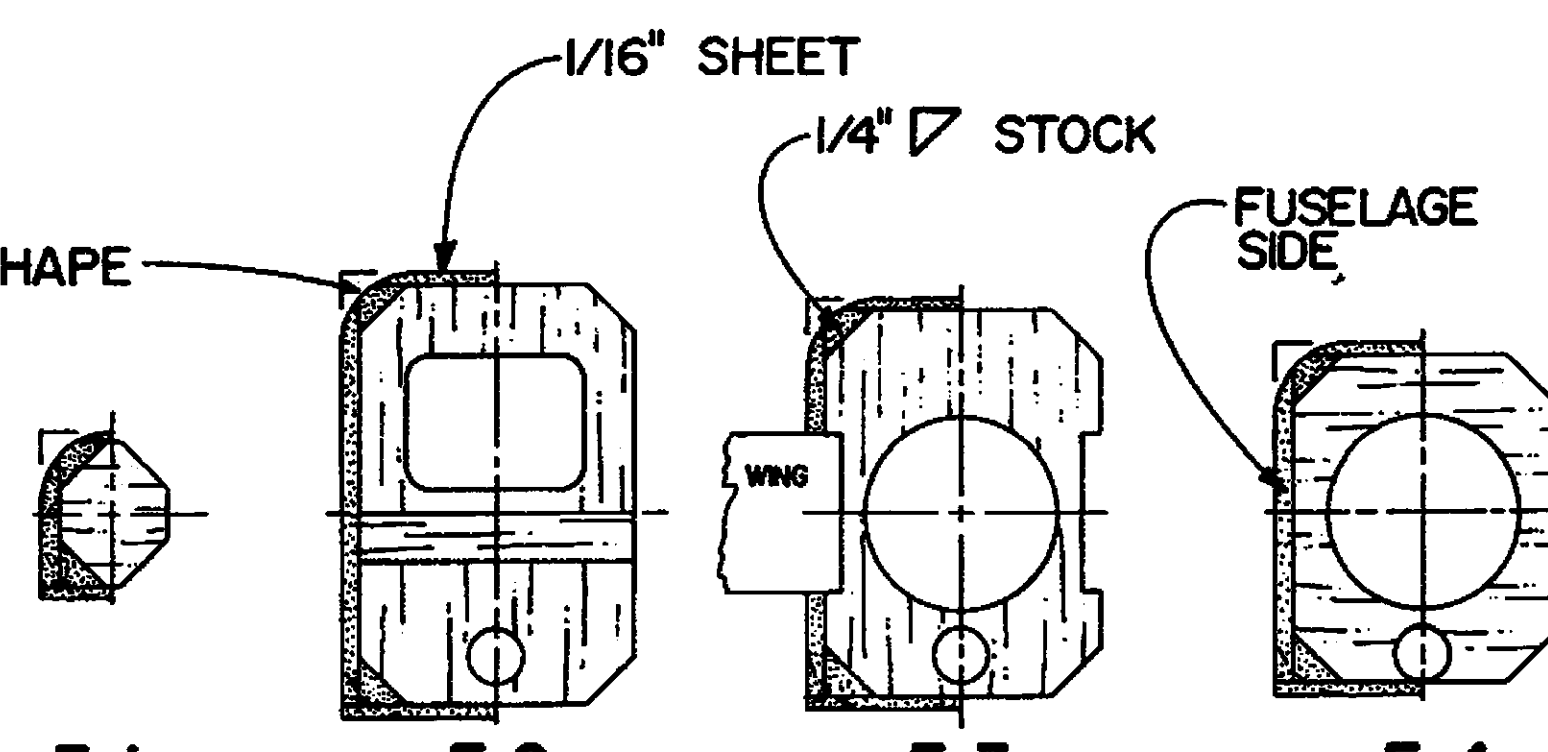
FOR MUCH IMPROVED VERTICAL HEIGHT PERFORMANCE, USE AN ESTES COMPOSITE "E" MOTOR.

THIS BEING A "CANARD" DESIGN, ELEVATOR MOVEMENT DOWNWARD PRODUCES UPWARD PITCH & VICE VERSA. ELEVATOR DEFLECTION - 20° EACH WAY.

ALL MATERIAL IS BALSA UNLESS OTHERWISE NOTED.

Δ DENOTES FUSELAGE SIDES - CUT FROM 3/32" SHEET.

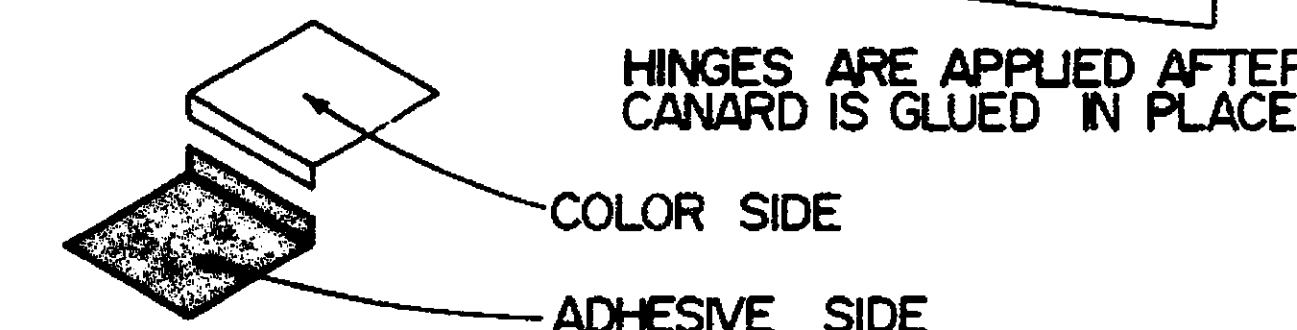
O DENOTES PATTERN AVAILABLE ON PLANS



ALL FORMERS - 1/8" MED. BALSA SHEET

WING SPAR
(3/16" HARD BALSA)

ADD A 3/8" STRIP OF COVERING TO THE LEADING EDGE OF ELEVATOR AND TO THE TRAILING EDGE OF CANARD BEFORE SLIDING INTO FUSELAGE.



TYPICAL POLYESTER FILM HINGE

CANARD & ELEVATOR DETAIL

ELEVATOR HORN LOCATION

ELEVATOR JOINER - 1/8" x 1/4" SPRUCE

ELEVATOR - 1/8" MED. BALSA SHEET

1/16" PLYWOOD

ELEVATOR CONTROL HORN

BALSA NOSE BLOCK

F-1°

CANARD CUT-OUT

1/4" STOCK SUPPORT

1/4" STOCK

ELEVATOR PUSHROD

1/8" x 1/4" BALSA

F-2°

RECEIVER

250 mAh FLIGHT BATTERY

RIGHT SIDE VIEW

SERVO RAILS

1/4" SQ. SPRUCE

SERVOS (FUTABA S133 SHOWN)

WING SPAR

LAUNCH ROD GUIDE TUBE (9/32" ALUM. OR PLASTIC)

F-3°

ROCKET MOUNT TUBE (ESTES NO. BT-55)

1/4" STOCK

BOTTOM SKIN - 1/16" SHEET

F-4°

1 LB WHITE FOAM WING CORE



SKY BLASTER

AN R/C ROCKET POWER GLIDER DESIGN

DESIGNED BY: LARRY RINGER PLANS BY: DAVID VAUGHN

SHEET 1 OF 1

0 1 2 3 4 5 6

PLAN NO. 1148