

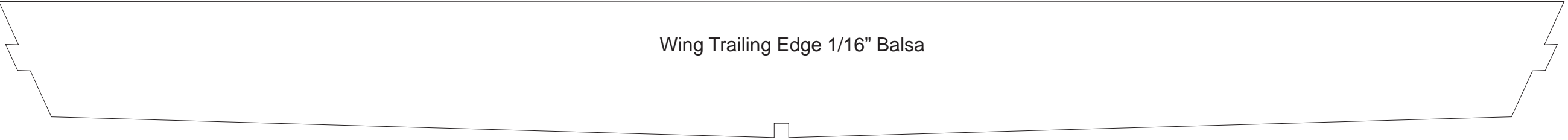


JASCO Hi-Start G-24 Reproduction Drawing Package

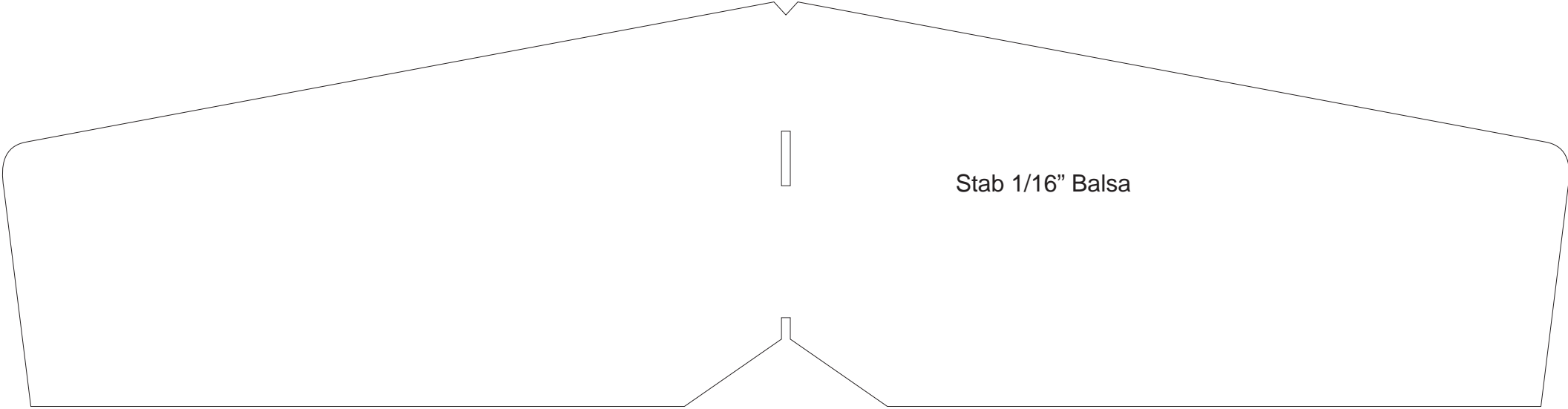
By Paul Bradley



Main Wing Panel 1/16" Balsa



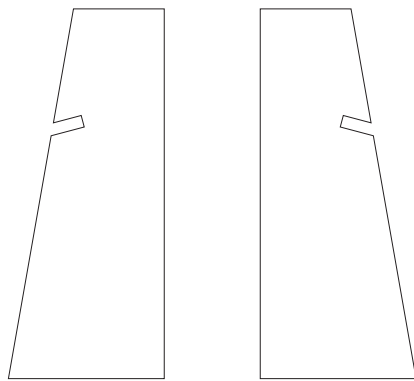
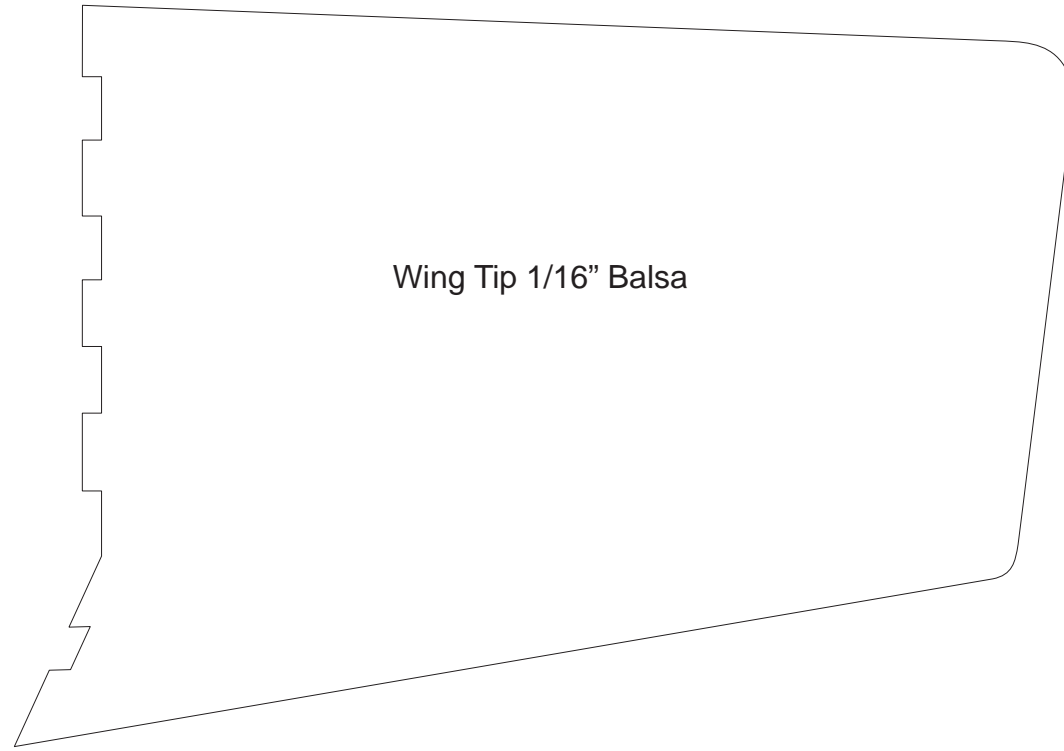
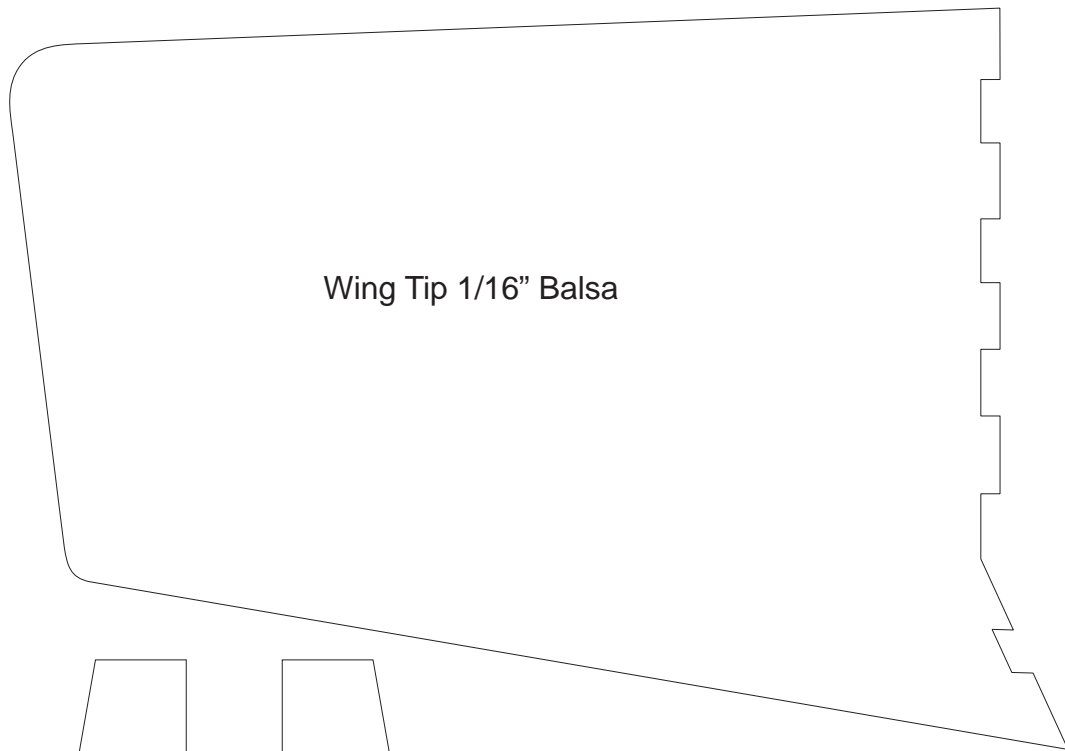
Wing Trailing Edge 1/16" Balsa



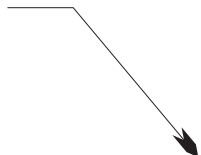
Stab 1/16" Balsa

JASCO Hi-Start G-24

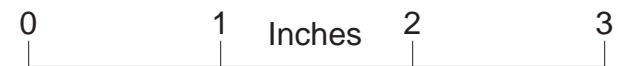


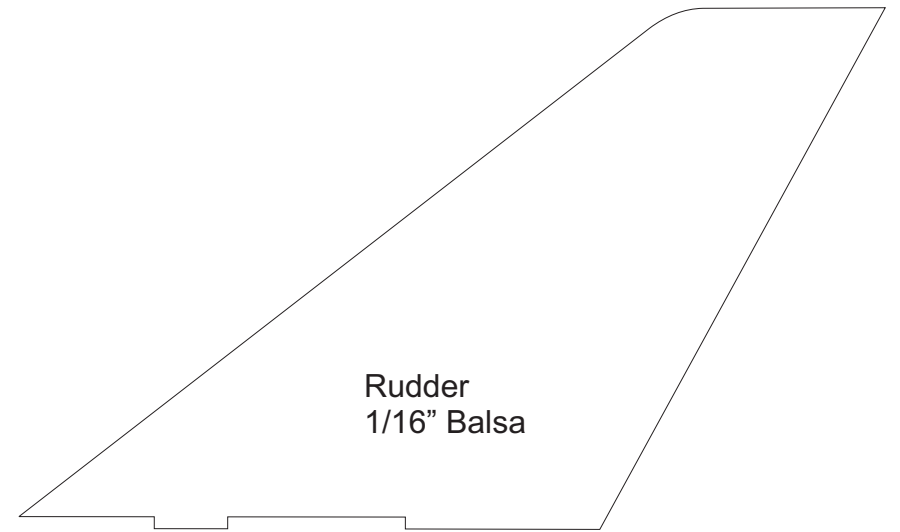
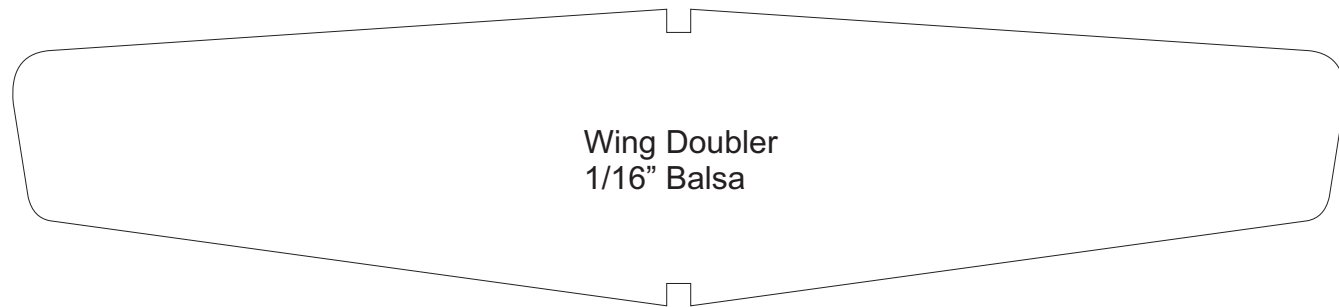
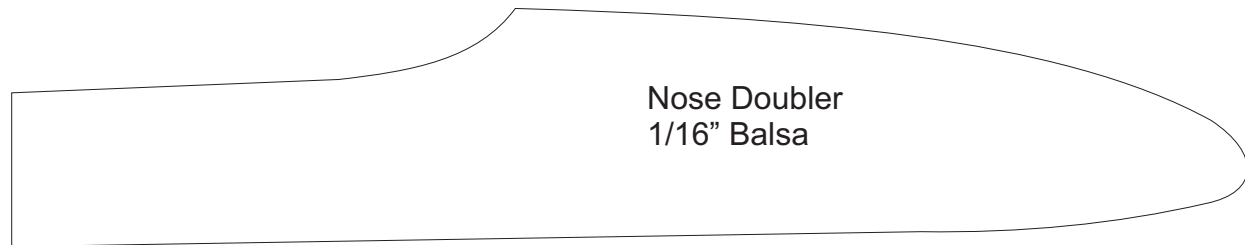
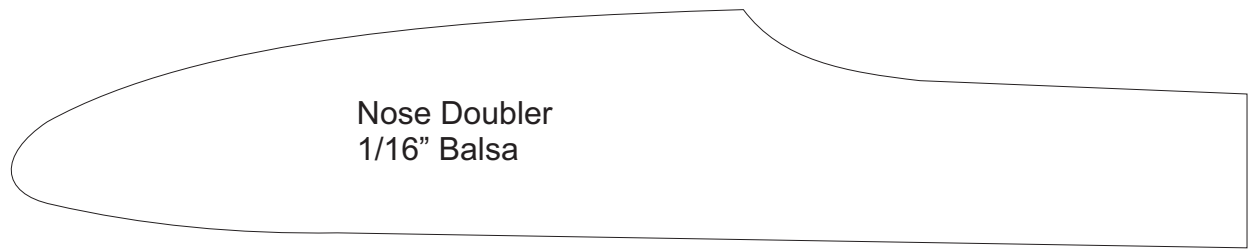
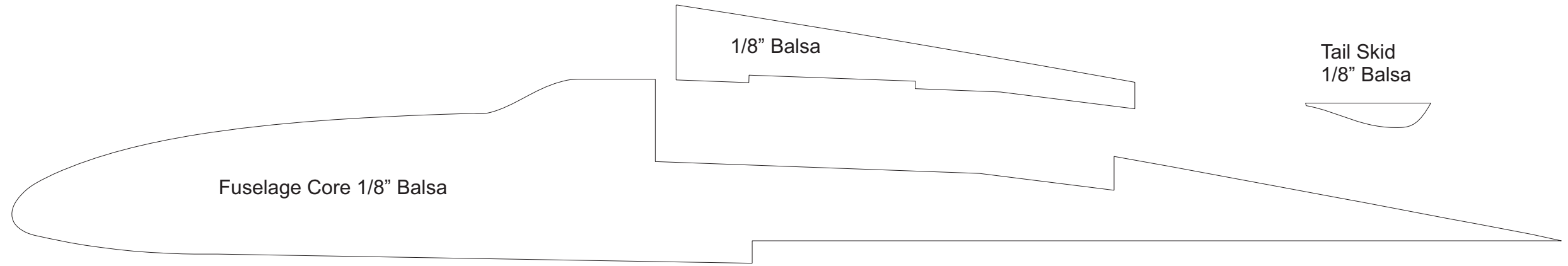


Tail Boom - Make from a strip of 1/8"x3/16" spruce 13" long



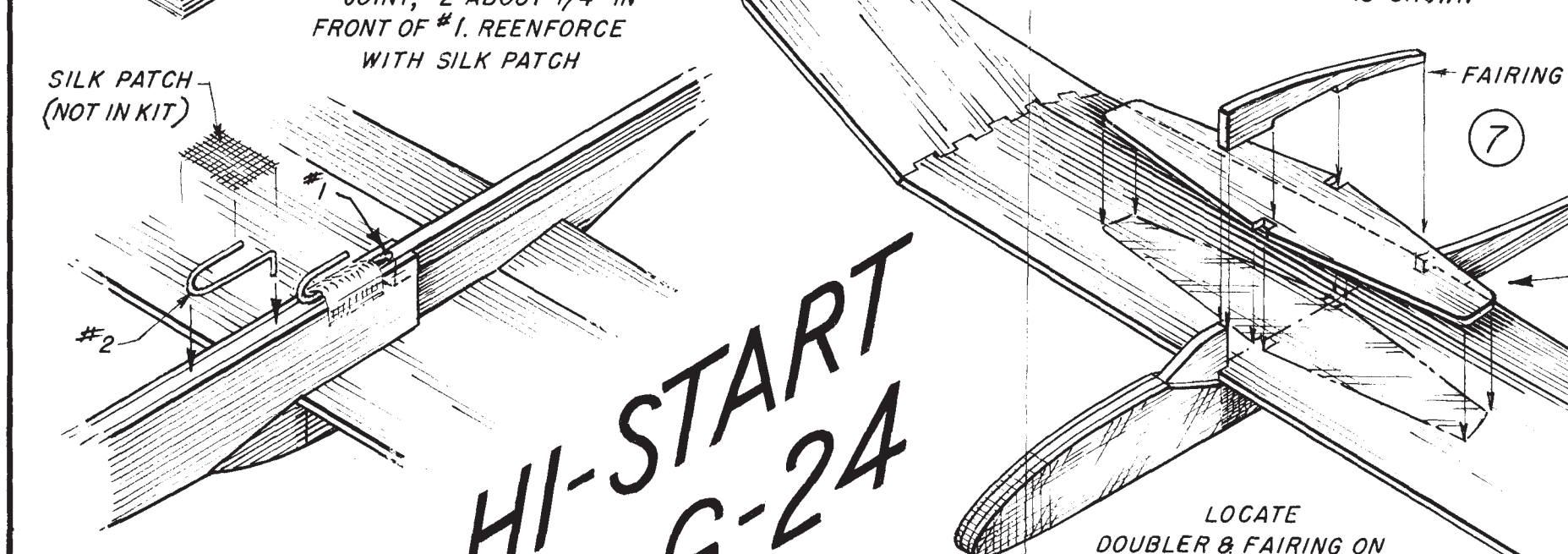
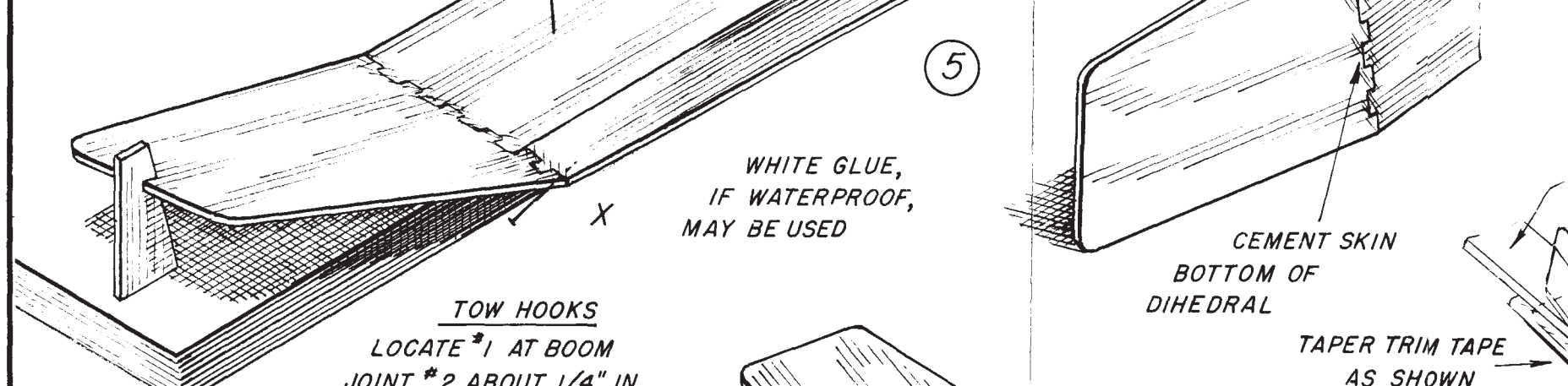
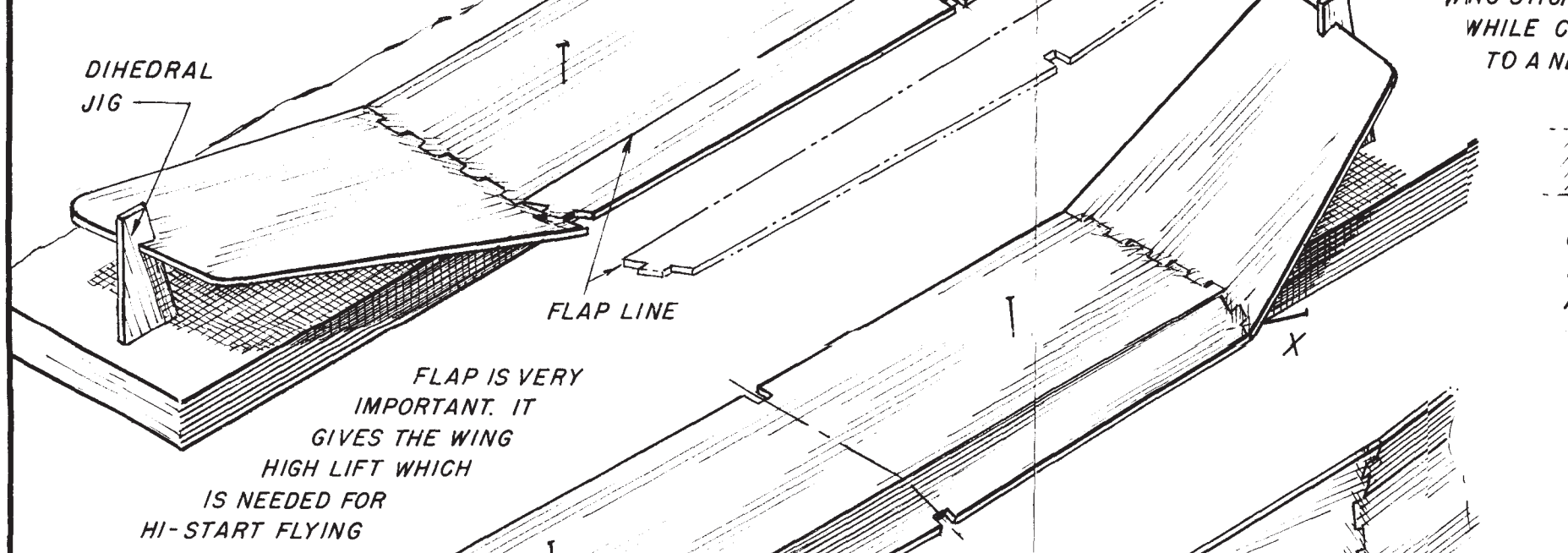
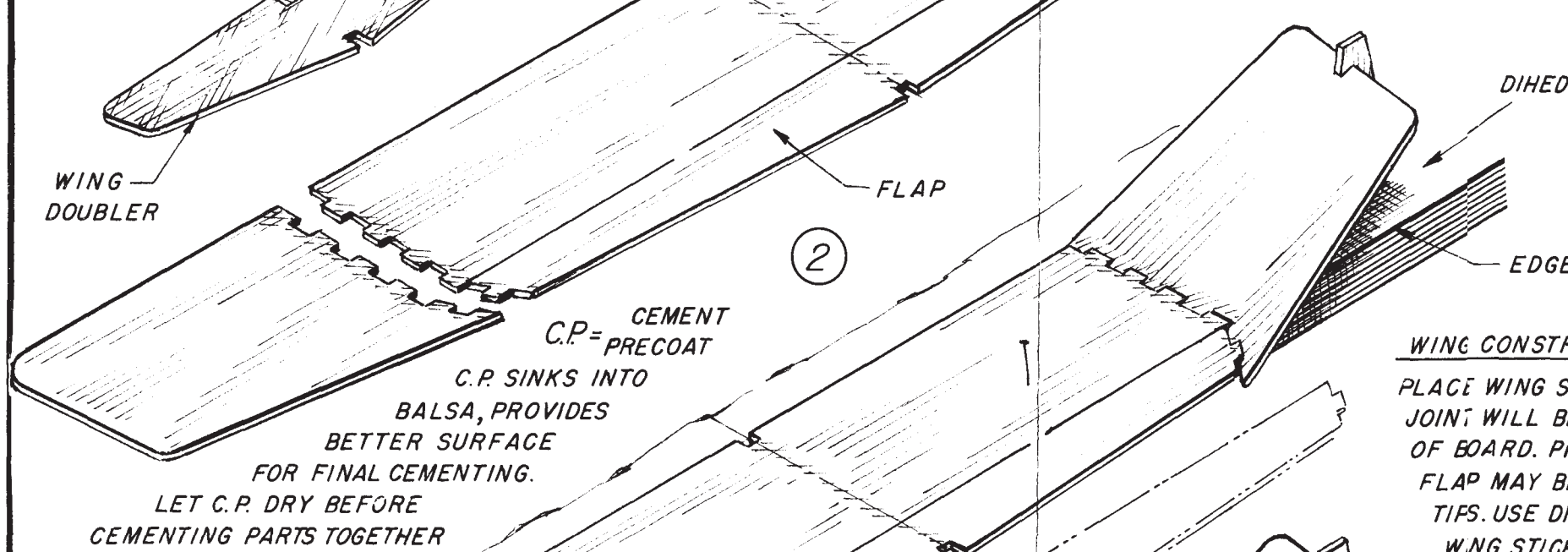
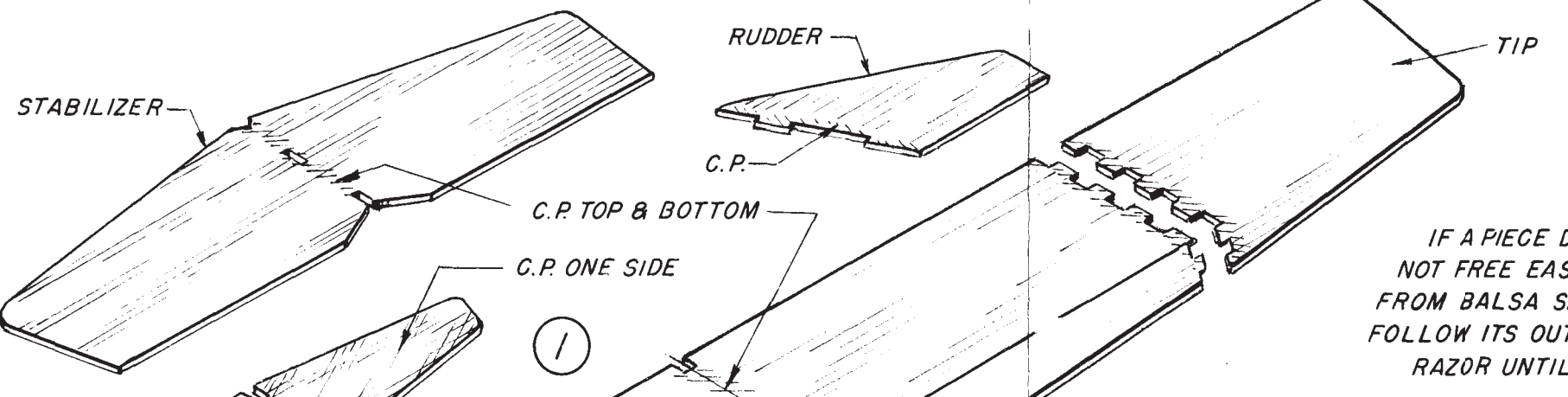
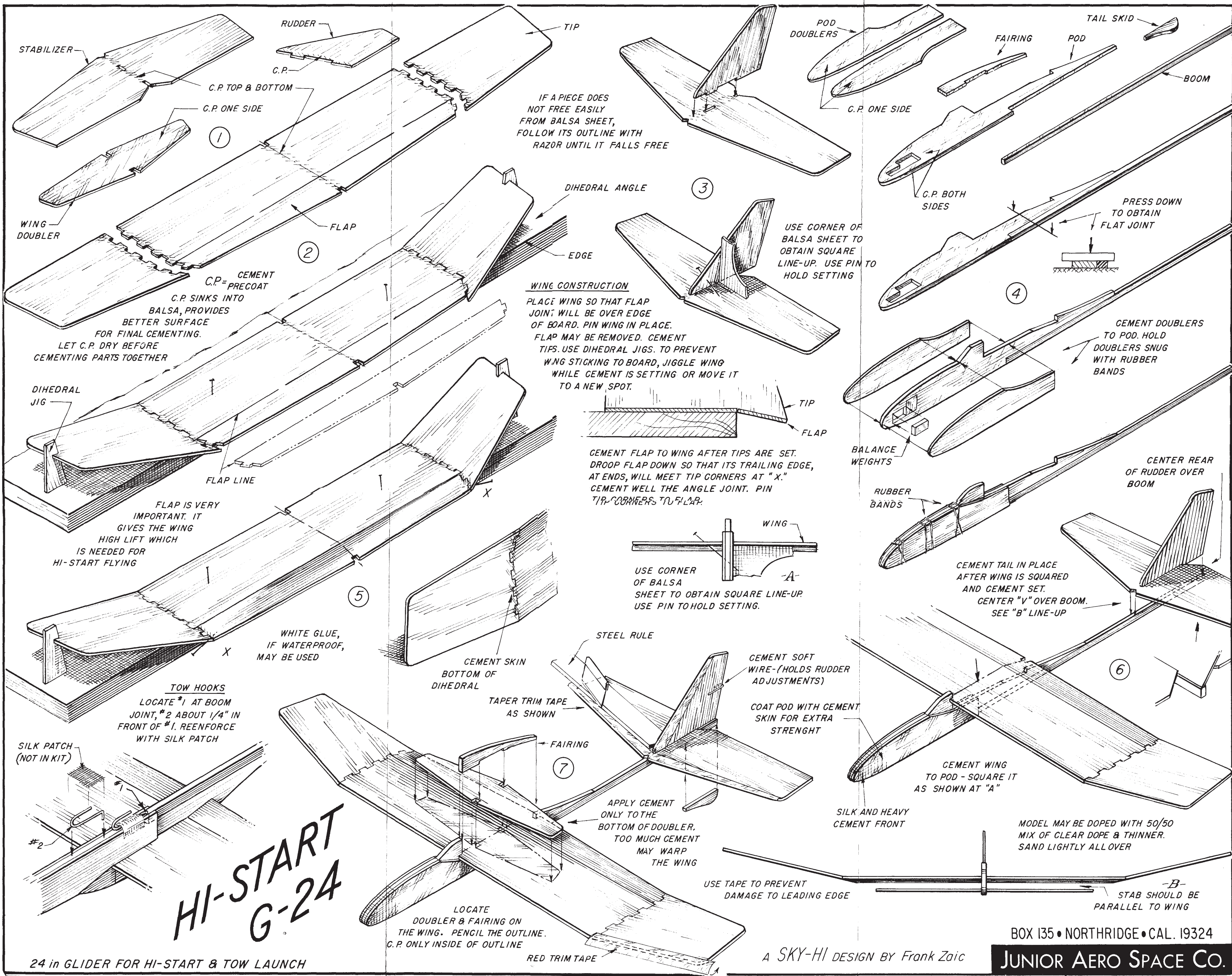
JASCO Hi-Start G-24





JASCO Hi-Start G-24





HI-START G-24

24 in GLIDER FOR HI-START & TOW LAUNCH

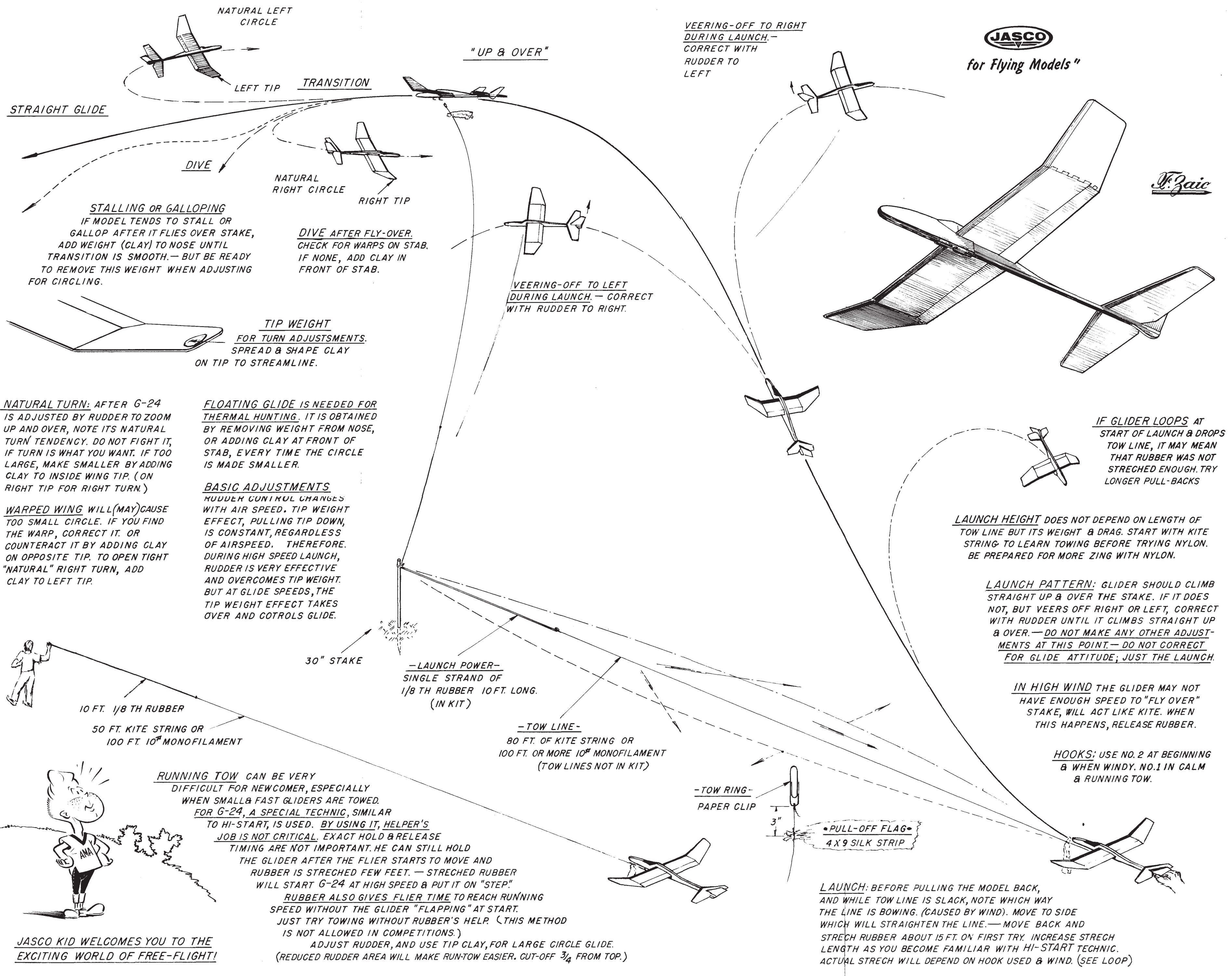
A SKY-HI DESIGN BY Frank Zaic

BOX 135 • NORTHRIDGE • CAL. 19324
JUNIOR AERO SPACE CO.



for Flying Models"

T. Zaic



NATURAL LEFT CIRCLE

STRAIGHT GLIDE

LEFT TIP

TRANSITION

DIVE

STALLING OR GALLOPING
IF MODEL TENDS TO STALL OR GALLOP AFTER IT FLIES OVER STAKE, ADD WEIGHT (CLAY) TO NOSE UNTIL TRANSITION IS SMOOTH.— BUT BE READY TO REMOVE THIS WEIGHT WHEN ADJUSTING FOR CIRCLING.

DIVE AFTER FLY-OVER.
CHECK FOR WARPS ON STAB. IF NONE, ADD CLAY IN FRONT OF STAB.

TIP WEIGHT
FOR TURN ADJUSTMENTS. SPREAD & SHAPE CLAY ON TIP TO STREAMLINE.

NATURAL TURN: AFTER G-24 IS ADJUSTED BY RUDDER TO ZOOM UP AND OVER, NOTE ITS NATURAL TURN TENDENCY. DO NOT FIGHT IT, IF TURN IS WHAT YOU WANT. IF TOO LARGE, MAKE SMALLER BY ADDING CLAY TO INSIDE WING TIP. (ON RIGHT TIP FOR RIGHT TURN.)

FLOATING GLIDE IS NEEDED FOR THERMAL HUNTING. IT IS OBTAINED BY REMOVING WEIGHT FROM NOSE, OR ADDING CLAY AT FRONT OF STAB, EVERY TIME THE CIRCLE IS MADE SMALLER.

BASIC ADJUSTMENTS
RUDDER CONTROL CHANGES WITH AIR SPEED. TIP WEIGHT EFFECT, PULLING TIP DOWN, IS CONSTANT, REGARDLESS OF AIRSPEED. THEREFORE, DURING HIGH SPEED LAUNCH, RUDDER IS VERY EFFECTIVE AND OVERCOMES TIP WEIGHT. BUT AT GLIDE SPEEDS, THE TIP WEIGHT EFFECT TAKES OVER AND CONTROLS GLIDE.

WARPED WING WILL (MAY) CAUSE TOO SMALL CIRCLE. IF YOU FIND THE WARP, CORRECT IT. OR COUNTERACT IT BY ADDING CLAY ON OPPOSITE TIP. TO OPEN TIGHT "NATURAL" RIGHT TURN, ADD CLAY TO LEFT TIP.

30" STAKE

10 FT. 1/8 TH RUBBER

50 FT. KITE STRING OR 100 FT. 10th MONOFILAMENT

—LAUNCH POWER—
SINGLE STRAND OF 1/8 TH RUBBER 10 FT. LONG. (IN KIT)

—TOW LINE—
80 FT. OF KITE STRING OR 100 FT. OR MORE 10th MONOFILAMENT (TOW LINES NOT IN KIT)

VEERING-OFF TO RIGHT DURING LAUNCH.— CORRECT WITH RUDDER TO LEFT

VEERING-OFF TO LEFT DURING LAUNCH.— CORRECT WITH RUDDER TO RIGHT.

IF GLIDER LOOPS AT START OF LAUNCH & DROPS TOW LINE, IT MAY MEAN THAT RUBBER WAS NOT STRETCHED ENOUGH. TRY LONGER PULL-BACKS

LAUNCH HEIGHT DOES NOT DEPEND ON LENGTH OF TOW LINE BUT ITS WEIGHT & DRAG. START WITH KITE STRING TO LEARN TOWING BEFORE TRYING NYLON. BE PREPARED FOR MORE ZING WITH NYLON.

LAUNCH PATTERN: GLIDER SHOULD CLIMB STRAIGHT UP & OVER THE STAKE. IF IT DOES NOT, BUT VEERS OFF RIGHT OR LEFT, CORRECT WITH RUDDER UNTIL IT CLIMBS STRAIGHT UP & OVER.— DO NOT MAKE ANY OTHER ADJUSTMENTS AT THIS POINT.— DO NOT CORRECT FOR GLIDE ATTITUDE; JUST THE LAUNCH.

IN HIGH WIND THE GLIDER MAY NOT HAVE ENOUGH SPEED TO "FLY OVER" STAKE, WILL ACT LIKE KITE. WHEN THIS HAPPENS, RELEASE RUBBER.

HOOKS: USE NO. 2 AT BEGINNING & WHEN WINDY. NO. 1 IN CALM & RUNNING TOW.

RUNNING TOW CAN BE VERY DIFFICULT FOR NEWCOMER, ESPECIALLY WHEN SMALL & FAST GLIDERS ARE TOWED. FOR G-24, A SPECIAL TECHNIC, SIMILAR TO HI-START, IS USED. BY USING IT, HELPER'S JOB IS NOT CRITICAL. EXACT HOLD & RELEASE TIMING ARE NOT IMPORTANT. HE CAN STILL HOLD THE GLIDER AFTER THE FLIER STARTS TO MOVE AND RUBBER IS STRETCHED FEW FEET.— STRETCHED RUBBER WILL START G-24 AT HIGH SPEED & PUT IT ON "STEP" RUBBER ALSO GIVES FLIER TIME TO REACH RUNNING SPEED WITHOUT THE GLIDER "FLAPPING" AT START. JUST TRY TOWING WITHOUT RUBBER'S HELP. (THIS METHOD IS NOT ALLOWED IN COMPETITIONS.) ADJUST RUDDER, AND USE TIP CLAY, FOR LARGE CIRCLE GLIDE. (REDUCED RUDDER AREA WILL MAKE RUN-TOW EASIER. CUT-OFF 3/4 FROM TOP.)

—TOW RING—
PAPER CLIP

•PULL-OFF FLAG•
4 X 9 SILK STRIP

LAUNCH: BEFORE PULLING THE MODEL BACK, AND WHILE TOW LINE IS SLACK, NOTE WHICH WAY THE LINE IS BOWING. (CAUSED BY WIND). MOVE TO SIDE WHICH WILL STRAIGHTEN THE LINE.— MOVE BACK AND STRETCH RUBBER ABOUT 15 FT. ON FIRST TRY. INCREASE STRETCH LENGTH AS YOU BECOME FAMILIAR WITH HI-START TECHNIC. ACTUAL STRETCH WILL DEPEND ON HOOK USED & WIND. (SEE LOOP)

JASCO KID WELCOMES YOU TO THE EXCITING WORLD OF FREE-FLIGHT!

