

STABILIZER DETAIL: ALL PARTS ARE BUILT FROM 1/16" SHEET BALSA. CONSTRUCTION TECHNIQUES ARE IDENTICAL TO THOSE USED IN THE WING.

"X" PLACE A PIECE OF SCRAP 3/32" WOOD UNDER THE T.E. AT ALL LOCATIONS MARKED "X" PRIOR TO WING CONSTRUCTION FOR PROPER WASH OUT

TRAILING EDGE IS CONSTRUCTED WITH 3/32 X 3/8 STRIP SAND IT TO THIS CROSS-SECTION AFTER THE WING IS BUILT

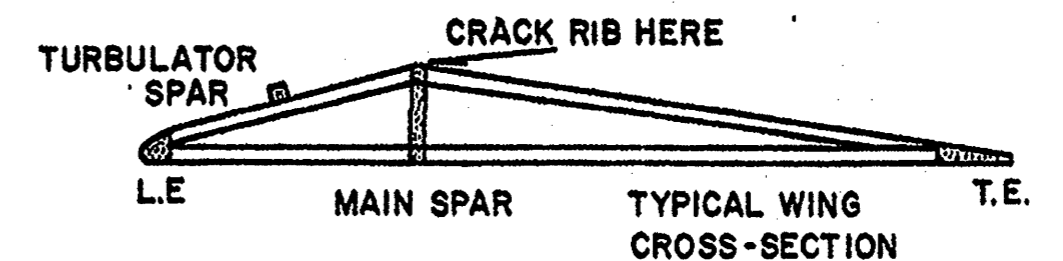
WING CENTER SECTION: INLAY 1/32" BALSA SHEETING

ALL WING RIBS ARE OF "CRACKED RIB" DESIGN, TOP AND BOTTOM HALVES ARE 3/32" SQ.



NOTE: USE A NEW RAZOR BLADE TO NOTCH THE SPARS AND TEST EACH NOTCH WITH A PIECE OF SCRAP WOOD OF THE CORRECT DIMENSIONS

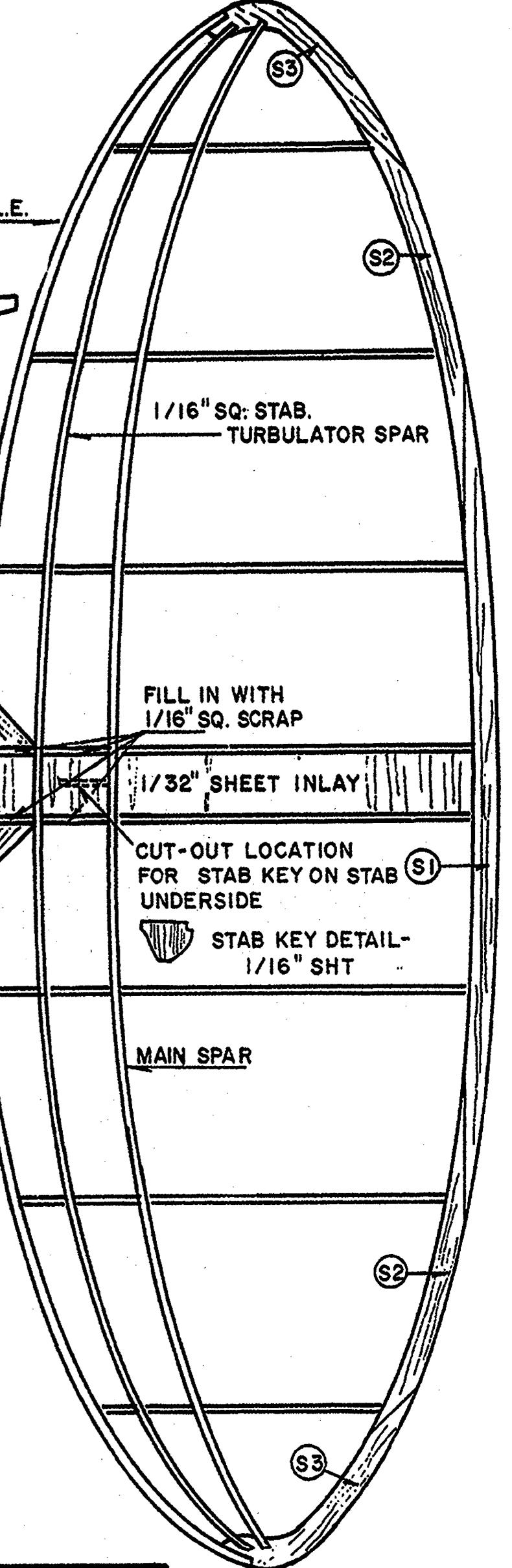
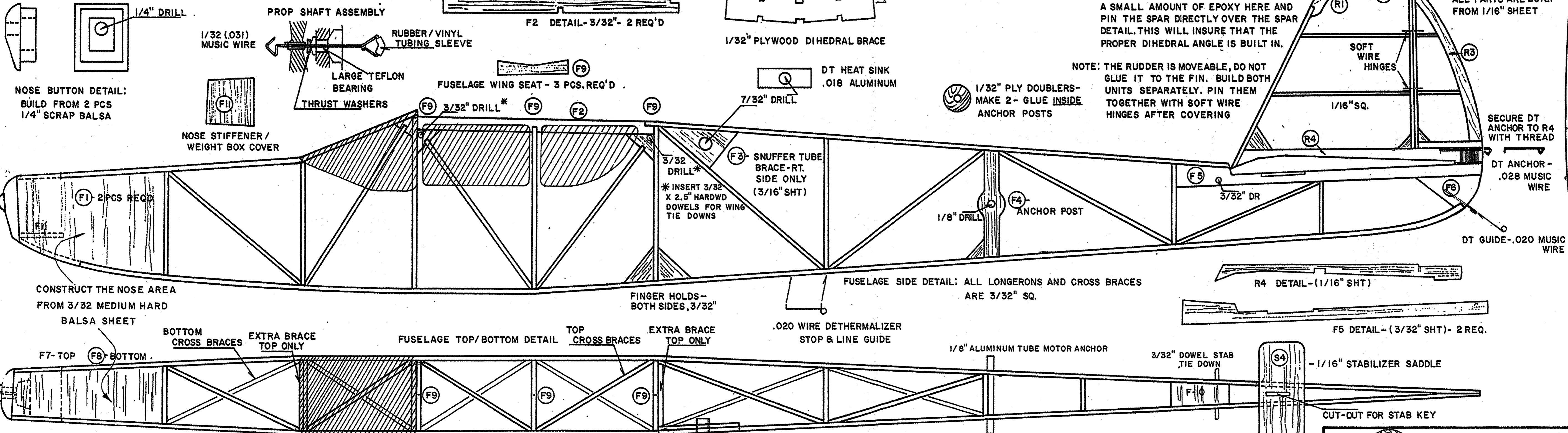
STABILIZER SPAR DETAIL: CONSTRUCT FROM 1/16 SHEET



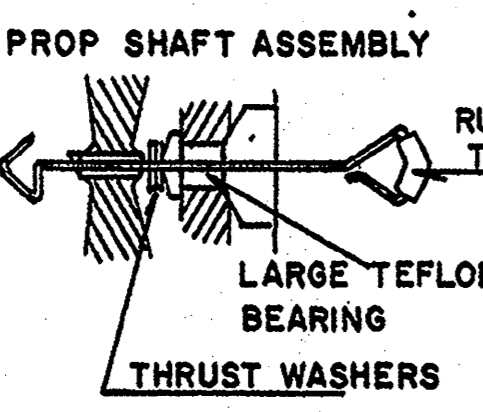
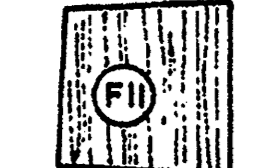
HINT: WEIGHT MAY BE TRIMMED FROM THE MODEL BY CUTTING 5/16" HOLES IN THE SPAR, USE A SHARPENED PIECE OF BRASS TUBING, DO NOT DRILL! BY VARYING THE HOLES ON EACH SIDE, YOU CAN BALANCE THE SPAR- THIS WILL BE AN AID TO STATIC AND FLIGHT TRIMMING.

WING MAIN SPAR DETAIL: BUILD FROM 3/32 MEDIUM HARD BALSA SPAR DEPTH IS 1/2", MAKE IT IN TWO HALVES AND JOIN THEM AS SHOWN, USE A SMALL AMOUNT OF EPOXY HERE AND PIN THE SPAR DIRECTLY OVER THE SPAR DETAIL. THIS WILL INSURE THAT THE PROPER DIHEDRAL ANGLE IS BUILT IN.

FIN & RUDDER DETAIL: ALL PARTS ARE BUILT FROM 1/16" SHEET



NOSE BUTTON DETAIL: BUILD FROM 2 PCS 1/4" SCRAP BALSA



FUSELAGE WING SEAT - 3 PCS. REQ'D

DT HEAT SINK .018 ALUMINUM

1/32" PLY DOUBLERS- MAKE 2- GLUE INSIDE ANCHOR POSTS

NOTE: THE RUDDER IS MOVEABLE, DO NOT GLUE IT TO THE FIN. BUILD BOTH UNITS SEPARATELY. PIN THEM TOGETHER WITH SOFT WIRE HINGES AFTER COVERING

SECURE DT ANCHOR TO R4 WITH THREAD

DT ANCHOR - .028 MUSIC WIRE

DT GUIDE - .020 MUSIC WIRE

CONSTRUCT THE NOSE AREA FROM 3/32 MEDIUM HARD BALSA SHEET

FINGER HOLDS - BOTH SIDES, 3/32"

FUSELAGE SIDE DETAIL: ALL LONGERONS AND CROSS BRACES ARE 3/32" SQ.

.020 WIRE DETHERMALIZER STOP & LINE GUIDE

1/8" ALUMINUM TUBE MOTOR ANCHOR

3/32" DOWEL STAB TIE DOWN

1/16" STABILIZER SADDLE

CUT-OUT FOR STAB KEY

0.21 O.D. ALUMINUM DT SNUFFER TUBE & HEAT SINK DETAIL

Sundog
fun flying machines

SUNDOG III P30
WINGSPAN - 30" AREA - 129 SQ. IN.
LENGTH - 28.5" STAB AREA - 42 SQ. IN.
POWER - 10 GRAMS CONTEST RUBBER - EMPTY WT - 50 GRAMS ±
PROP - 9.5" PLASTIC

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