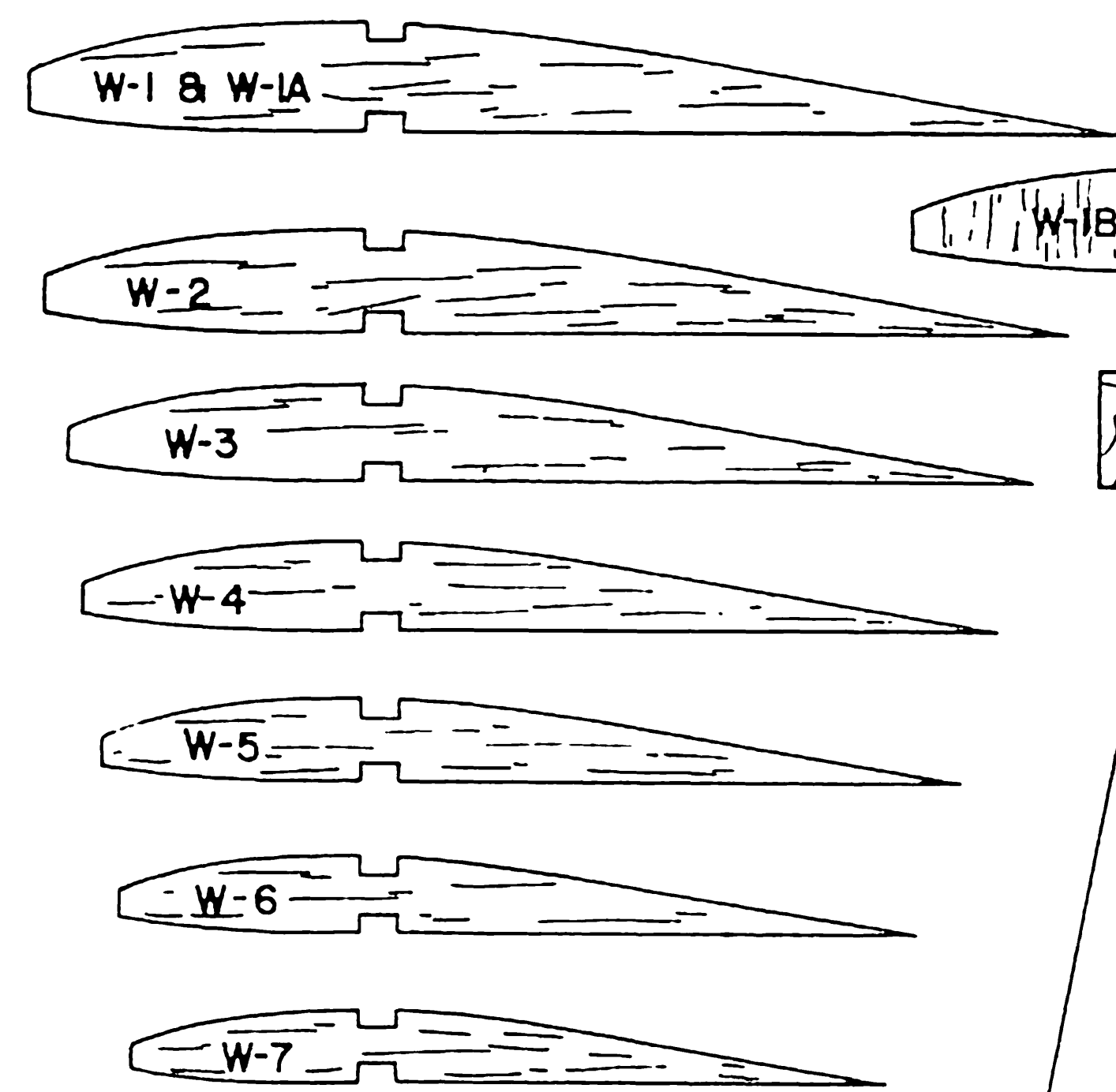
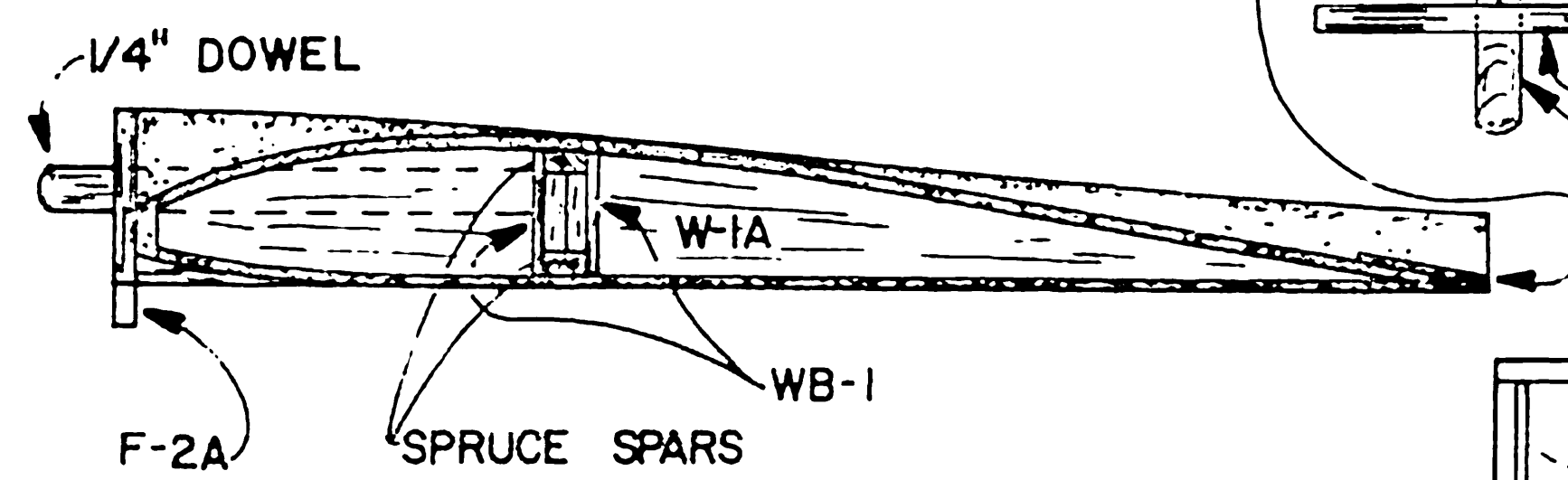


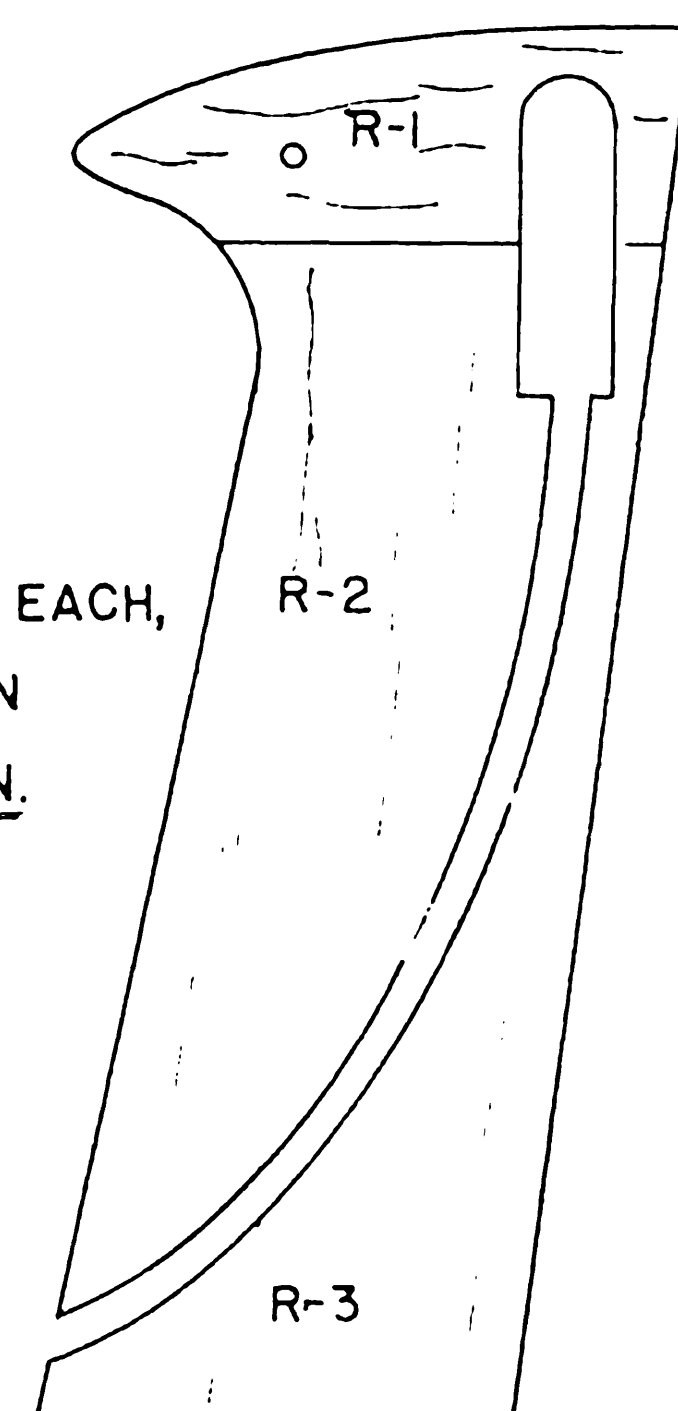


W-1 1/16" Balsa, 18 REQ.
W-1A 1/8" Balsa, 6 REQ.
W-7 1/8" Balsa, 2 REQ.
W-2 TO W-6 1/16" Balsa 2 EACH REQ.

1/16" BIRCH PLY
WING MOUNT BRACE



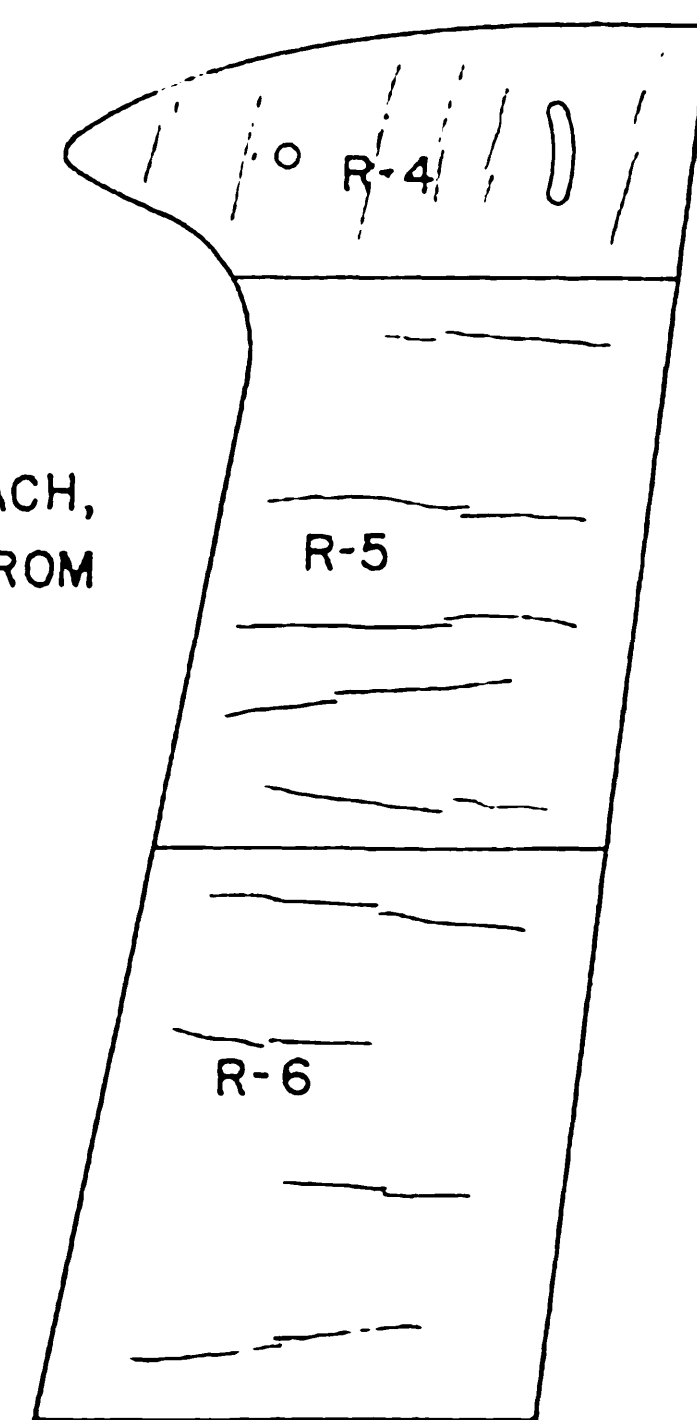
MAKE ONE EACH,
NOTE GRAIN
DIRECTION.



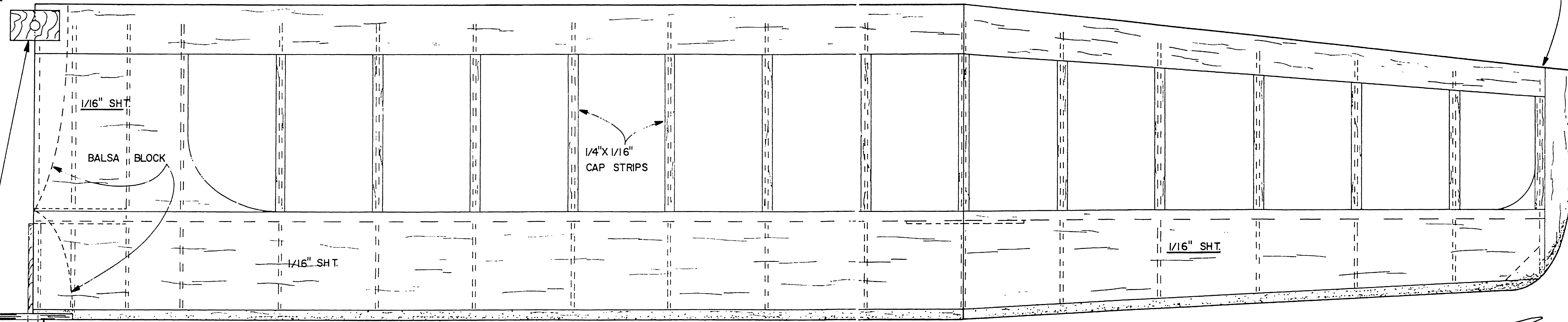
CUT R1 TO R3 FROM
FIRM 3/16" SHEET Balsa

MAKE TWO EACH,
R-4 TO R-6 FROM
1/16" Balsa

NOTE GRAIN
DIRECTION



LEFT WING TOP VIEW



DIHEDRAL MEASURED HERE

Balsa BLOCK

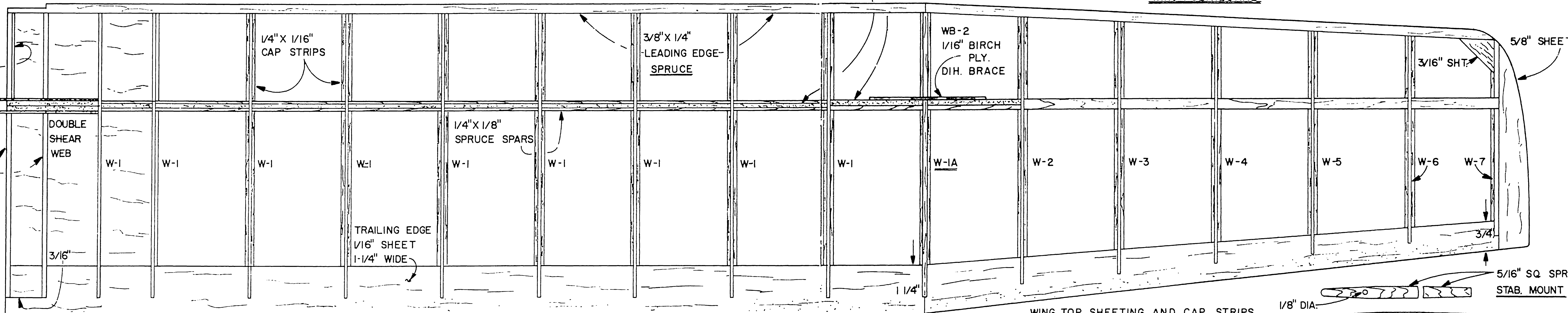
WB-1 & WB-2
(2) EACH REQ.

WB-2 1/16" BIRCH

WB-3 1/16" BIRCH PLY

1/8" Balsa SHEAR WEB
24 REQ.

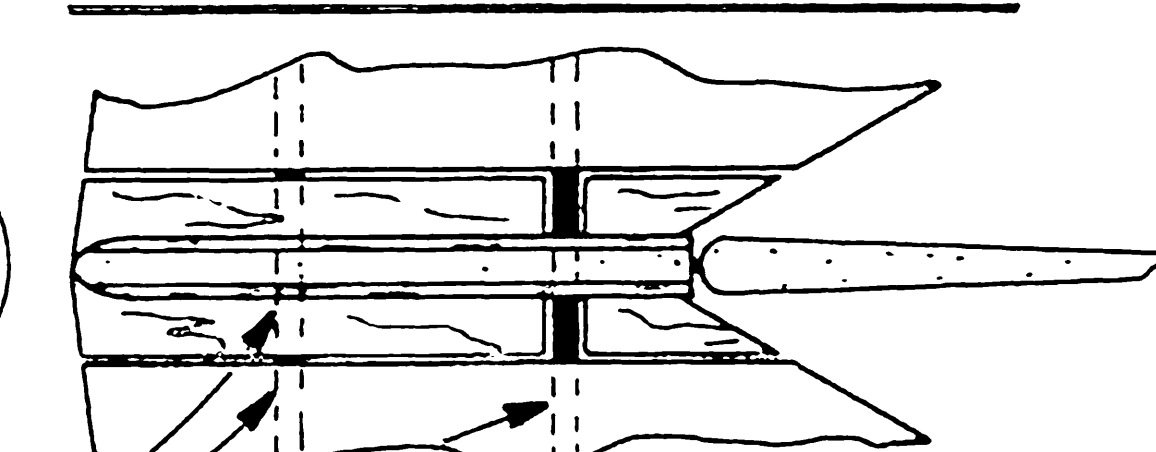
WING POLYHEDRAL



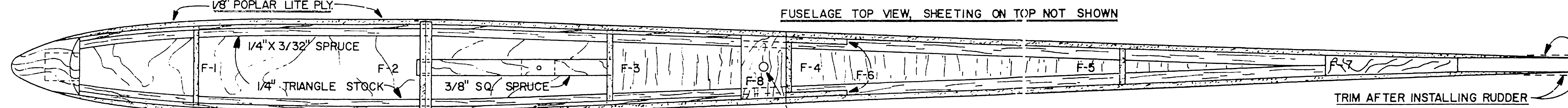
WING TOP SHEETING AND CAP STRIPS
NOT SHOWN ON RIGHT VIEW

5/16" SQ SPRUCE
STAB. MOUNT

FLYING STAB CROSS SECTION VIEW



FUSELAGE TOP VIEW, SHEETING ON TOP NOT SHOWN



TRIM AFTER INSTALLING RUDDER

1/8" BRASS TUBE

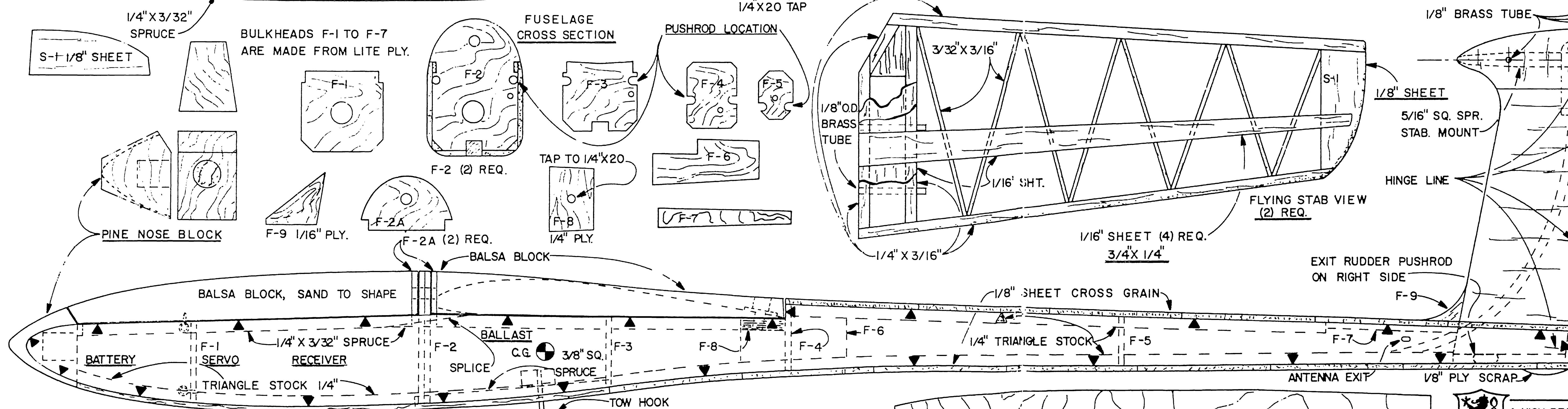
1/8" SHEET
5/16" SQ SPR.
STAB. MOUNT

HINGE LINE

EXIT RUDDER PUSHROD
ON RIGHT SIDE

ANTENNA EXIT

1/8" PLY SCRAP

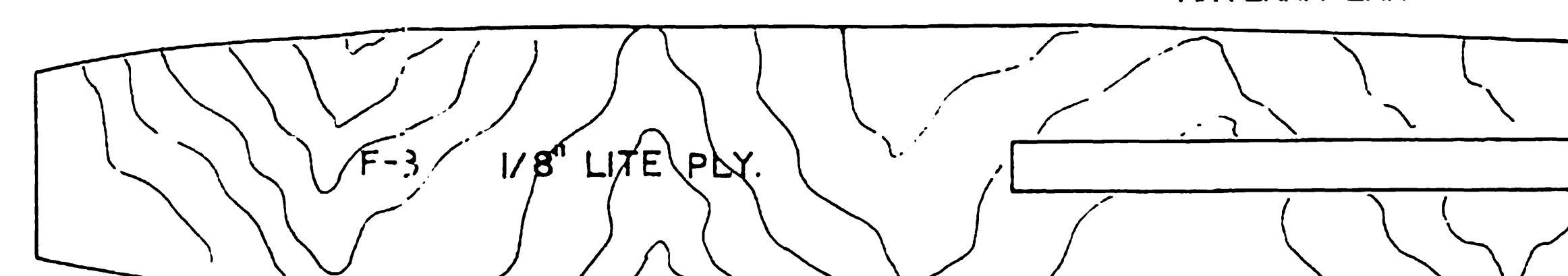


FUSELAGE LEFT SIDE VIEW

LITE PLY. BOTTOM

NOTE THAT ALL WOOD
IS Balsa, UNLESS
INDICATED OTHERWISE

▲ DENOTES LITE PLY. 1/8"
FUSELAGE SIDES (2) REQ.



A HIGH PERFORMANCE TWO METER COMPETITION SAILPLANE

CHALLENGER

DESIGNED AND INKED BY: PETER NEUER