

ENVOY

DESIGNED BY

C.A. SHAW

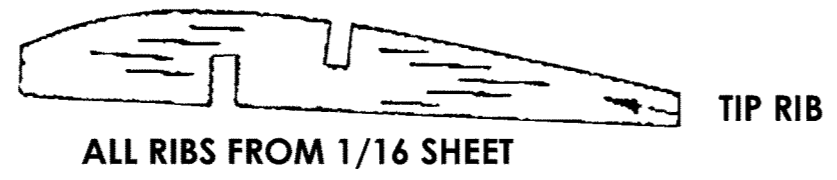
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4/-

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MAKE RIBS BY SANDING METHOD
USE ROOT AND TIP RIBS AS TEMPLATES



1/8" DOWEL

ROOT RIB

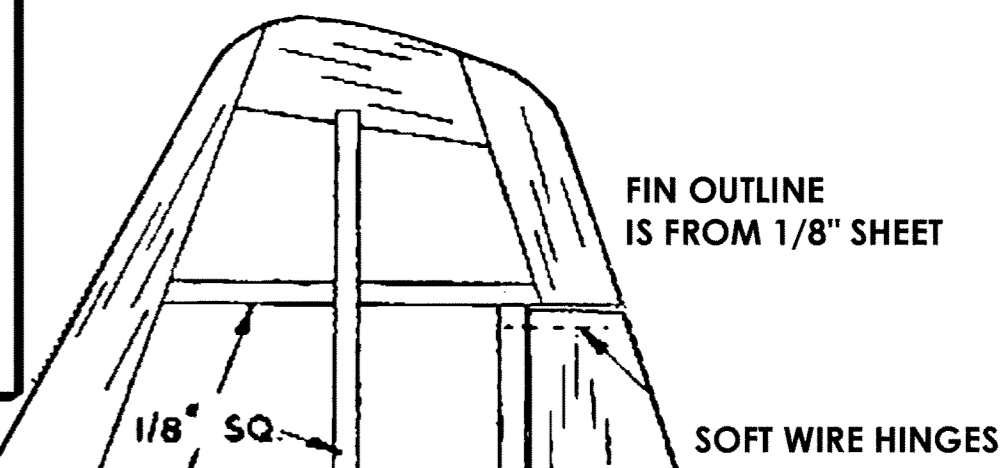
1/8" DOWEL

1/8" SHEET GUSSETS

1/8"X1/4" TOP STRINGER
ALL OTHERS 3/32" SQUARE

DORSAL FIN IS GLUED TO
FUSELAGE AFTER COVERING
THE REST OF FIN DETACHES WITH TAIL

FIN IS A PUSH FIT BETWEEN RIBS OF TAILPLANE



FIN OUTLINE
IS FROM 1/8" SHEET

SOFT WIRE HINGES

ROOT RIB

1/8" DOWEL

MAKE ALL RIBS BY
SANDING METHOD
ROOT RIB AND TIP
RIB AS TEMPLATES

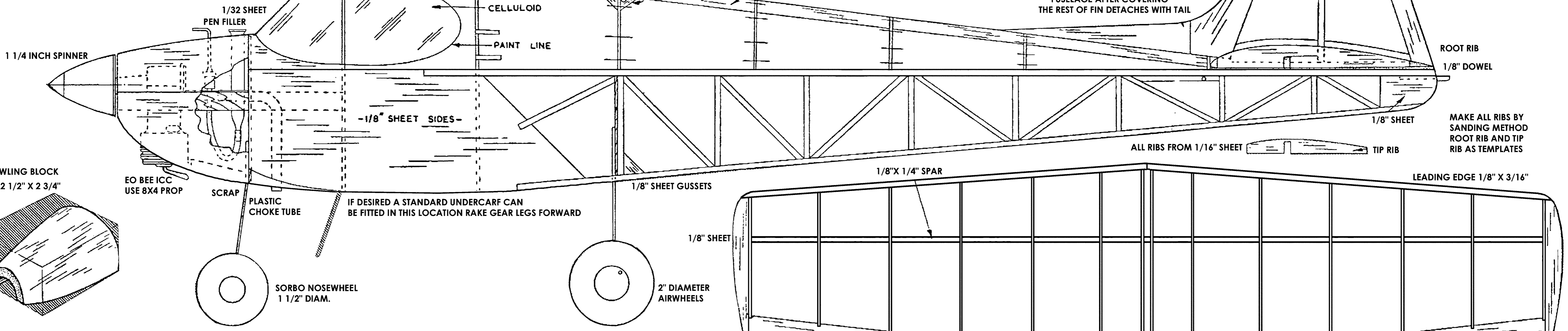
-DATA-

SPAN	40"
AREA	205 sq"
TAILSPAN	17 3/16"
TAIL AREA	64 sq"
LENGTH	29"
POWER	.5cc TO 1cc

-MATERIALS REQUIRED-

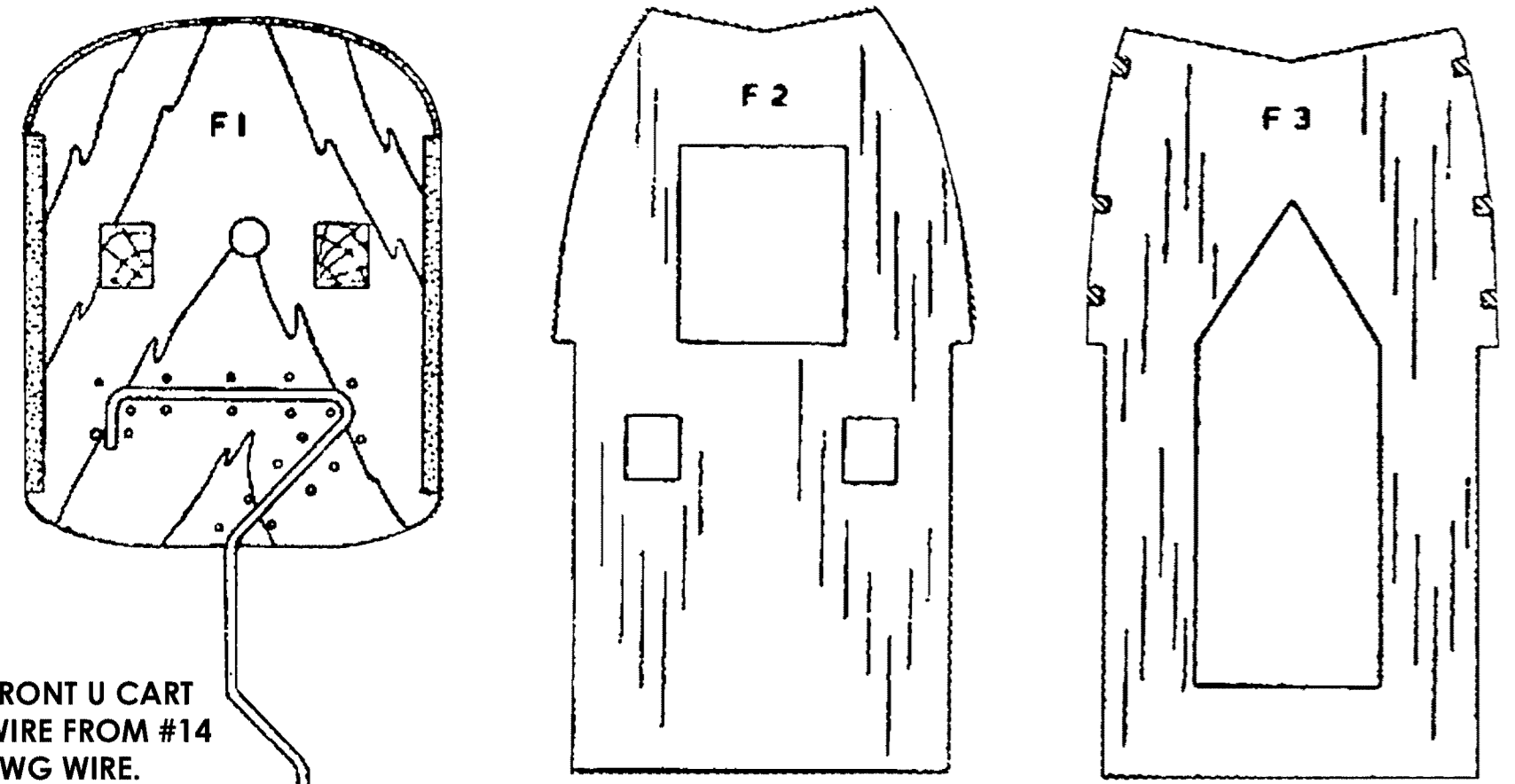
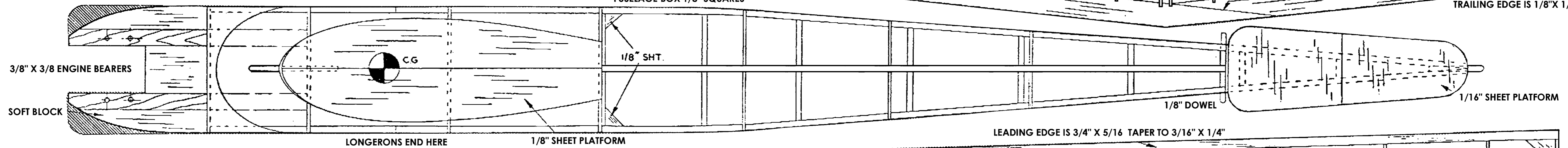
STRIP	4 STRIPS OF 3/32" X 3/32" X 36" MED.	BLOCK	1 PIECE OF SOFT BALSA 1/2" X 2 1/2" X 2 3/4"
5 "	1/8" X 1/8" X 36" HARD.	2 "	1/2" X 2" X 2 3/4"
4 "	1/8" X 1/4" X 36"	MISC.	PIECE 1/16" PLY 5/2" X 2 1/2"
2 "	3/16" X 5/16" X 36"	6 "	OF 1/8" DOWEL.
1 "	1/8" X 3/16" X 36" MED.	18 "	OF 14 SWG. WIRE.
1 "	1/8" X 1/2" X 36"	10 "	OF 3/8" X 5/16" HARDWOOD.
2 "	3/16" X 3/4" X 36"	SMALL PIECE OF CELLULOID.	
SHEET	1 SHEET OF 1/16" X 3" X 36"	PIECE OF BALSA, 3" X 2 1/2" X 1/4"	
1 "	1/8" X 3" X 36"		

ALL WOODS ARE BALSA UNLESS OTHERWISE STATED



OPTIONAL APPLE CHECK FAIRINGS

FUSELAGE BOX 1/8" SQUARES



FRONT U CART
WIRE FROM #14
SWG WIRE.
BIND AND CEMENT
TO F1

3 1/2" DIHEDRAL
UNDER EACH TIP

+FORMERS+
F1 AND F4 A FROM
1/16" SHEET PLY
ALL OTHERS FROM
1/16" BALSA

SAND FORMERS F3 TO F8
BETWEEN STRINGERS BEFORE
COVERING

ALL GUSSETS 1/8" SHEET

REAR U CART LEGS
FROM #14 SWG WIRE
BIND AND CEMENT TO
F4A

DIHEDRAL BRACES
2 OFF 1/16" SHEET

