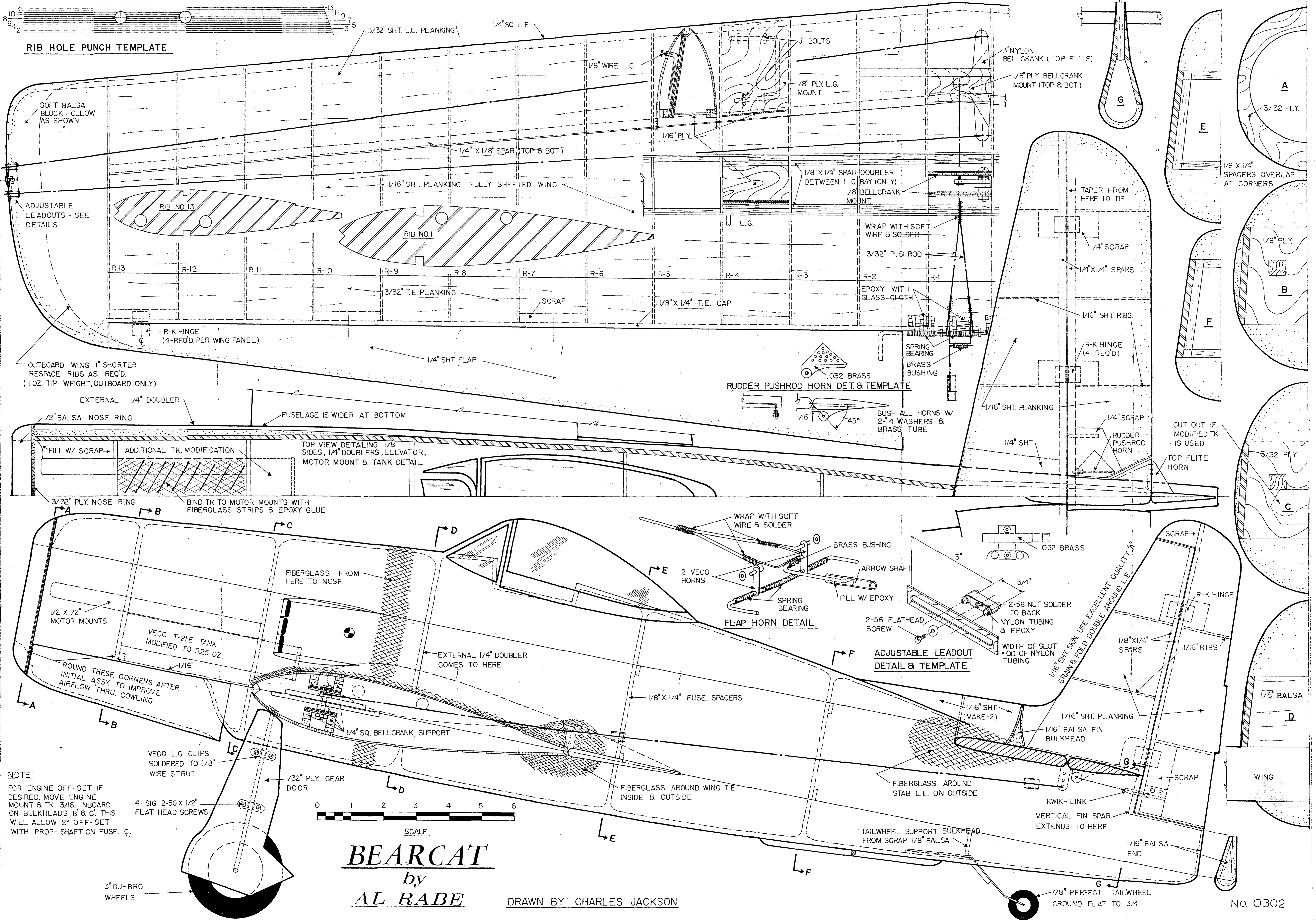


Bearcat  
MASTIFF



**RIB HOLE PUNCH TEMPLATE**

SOFT Balsa BLOCK HOLLOW AS SHOWN

ADJUSTABLE LEADOUTS - SEE DETAILS

OUTBOARD WING 1" SHORTER RESPACE RIBS AS REQ'D. (1 OZ. TIP WEIGHT, OUTBOARD ONLY)

EXTERNAL 1/4" DOUBLER

1/2" Balsa NOSE RING

3/32" PLY NOSE RING

1/2" X 1/2" MOTOR MOUNTS

ROUND THESE CORNERS AFTER INITIAL ASSY TO IMPROVE AIRFLOW THRU. COWLING

VECO L.G. CLIPS SOLDERED TO 1/8" WIRE STRUT

4- SIG 2-56 X 1/2" FLAT HEAD SCREWS

3" DU-BRO WHEELS

3/32" SHT. L.E. PLANKING

1/4" SQ. L.E.

1/8" WIRE L.G.

1" BOLTS

1/8" PLY L.G. MOUNT

3" NYLON BELLCRANK (TOP FLITE)

1/8" PLY BELLCRANK MOUNT (TOP & BOT.)

1/4" X 1/8" SPAR (TOP & BOT.)

1/16" SHT. PLANKING FULLY SHEETED WING

L.G.

WRAP WITH SOFT WIRE & SOLDER

3/32" PUSHROD

EPOXY WITH GLASS-CLOTH

1/8" X 1/4" T.E. GAP

SCRAP

1/4" SHT. FLAP

**RUDDER PUSHROD HORN DET. & TEMPLATE**

0.032 BRASS

1/16"

45°

BUSH ALL HORNS W/ 2-4 WASHERS & BRASS TUBE

1/16" SHT. PLANKING

1/4" SHT.

1/4" SCRAP

RUDDER PUSHROD HORN

TOP FLITE HORN

TOP VIEW DETAILING 1/8" SIDES, 1/4" DOUBLERS, ELEVATOR, MOTOR MOUNT & TANK DETAIL.

BIND TK TO MOTOR MOUNTS WITH FIBERGLASS STRIPS & EPOXY GLUE

FIBERGLASS FROM HERE TO NOSE

VECO T-21E TANK MODIFIED TO 5.25 OZ.

EXTERNAL 1/4" DOUBLER COMES TO HERE

1/4" SQ. BELLCRANK SUPPORT

FIBERGLASS AROUND WING T.E. INSIDE & OUTSIDE

**FLAP HORN DETAIL**

2-VECO HORNS

WRAP WITH SOFT WIRE & SOLDER

BRASS BUSHING

ARROW SHAFT

FILL W/ EPOXY

SPRING BEARING

2-56 FLATHEAD SCREW

**ADJUSTABLE LEADOUT DETAIL & TEMPLATE**

2-56 NUT SOLDER TO BACK NYLON TUBING & EPOXY

WIDTH OF SLOT - OD OF NYLON TUBING

1/16" SHT. SKIN USE EXCELLENT QUALITY "A" GRAIN & FOLD DOUBLE AROUND L.E.

1/8" X 1/4" SPARS

1/16" RIBS

1/8" Balsa

1/16" SHT. PLANKING

1/16" Balsa FIN. BULKHEAD

SCRAP

1/16" Balsa END

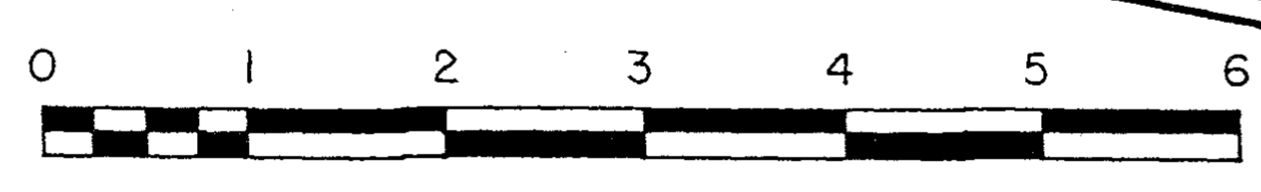
TAILWHEEL SUPPORT BULKHEAD FROM SCRAP 1/8" Balsa

KWIK-LINK

VERTICAL FIN. SPAR EXTENDS TO HERE

7/8" PERFECT TAILWHEEL GROUND FLAT TO 3/4"

NOTE:  
FOR ENGINE OFF-SET IF DESIRED, MOVE ENGINE MOUNT & TK. 3/16" INBOARD ON BULKHEADS 'B' & 'C'. THIS WILL ALLOW 2° OFF-SET WITH PROP. SHAFT ON FUSE. C.



**BEARCAT**  
by  
**AL RABE**

DRAWN BY: CHARLES JACKSON

No. 0302