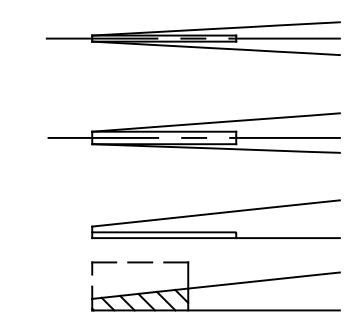


DUBRO / GOLDBERG TIP SKID
MODIFIED FOR LEADOUT GUIDE
USE LINE RAKE CALCULATOR
ON NCLRA WEBSITE TO PLACE GUIDE

TRAILING EDGE OPTIONS:
CARVE GROOVE WITH RAZOR SAW.
INLAY $\frac{1}{64}$ OR $\frac{1}{32}$ PLY X $\frac{3}{8}$ " WIDE STRIP.
ON FLAT BOTTOM AIRFOIL, SAND RECESS
INTO TRAILING EDGE BOTTOM, LAMINATE
PLY TRAILING EDGE.
SAND TO THE PLYWOOD FOR SHARP
EDGE. $1/8$ x $1/4$ SPRUCE SANDED TO
SHAPE IS ALSO COMMONLY USED.
STRIP CAN BE MADE FROM 3 PLYS OF 5oz
GLASS OR CARBON CLOTH, LAYED UP ON
FLAT SURFACE. (VACUUM BAGGED
PREFERABLE.)



1/4 X 3/8 SPRUCE
L/E AND SPAR

3/8 BALSA WING
C GRAIN LEADING EDGE
FOR STIFFNESS

3/8 X 1/2 MAPLE
BELLCRANK MOUNT

1/4 TO 1/2
OZ
TIPWEIGHT

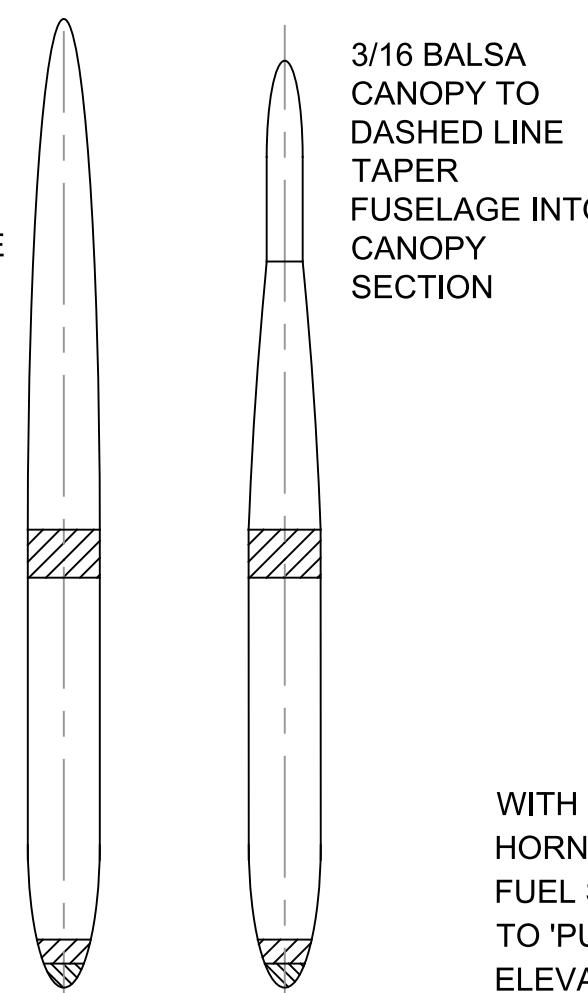
AIRFOIL OPTIONS:
MOST USE BASIC FLAT-BOTTOM
2/1 SEMI-SYMETRICAL AND
FULL SYMETRICAL ARE Viable OPTIONS

1/8 BASS OR
1/16 BALSA - 1/32 PLY -
1/16 BALSA SANDWICH
FIN + RUDDER

3/16 BALSA CANOPY TO
DASHED LINE
TAPER
FUSELAGE INTO
CANOPY
SECTION

3/16 OR 3/8 BALSA
CANOPY AND TURTLEDECK
SEE X-SECTIONS

3/8 BALSA
TAPER TO
TOP OF
FUSELAGE



WITH BOTTOM MOUNTED ELEVATOR
HORN YOU MUST USE 'PUSH-TO-TRIP'
FUEL SHUTOFF, OR WORK OUT A WAY
TO 'PULL' FROM BELLCRANK OR
ELEVATOR.

1/16 WIRE TAIL SKID

1/4 X 3/8 SPRUCE STRINGERS

3/8 BALSA FUSELAGE

1/16" PLYWOOD DOUBLERS

BEVEL AFT EDGES
HARDWOOD OR DOWEL
INSERTS FOR LG HOLES

CUT AWAY FUEL TANK
FLANGE AS REQUIRED
3/8 x 1/2 MAPLE
CARVE TO SHAPE

1/4 BALSA

0 1 2 3 4 5 6

SCALE ELEVATOR END

$\frac{1}{8}$ " PLY STAB CORE
CUT OUT FOR HINGES AND JOINER
FACE WITH $\frac{1}{32}$ " BALSA
SAND TO AIRFOIL

Sport Scale Racer designed by Gerry van Dyk & Bill Bischoff
© 2025 van Dyk / Bischoff
structure based on Mayer / Bischoff designs

Al Williams'
28 W-18 Falcon

visit: <https://nclra.org/Plans>
for other Sport Goodyear plans.

Bill Bischoff Racing Supplies, Fuel Tanks, Venturis
Landing Gear, Shutoffs contact: billbisch@hotmail.com

Fuselage = 21.44"
Wing Span = S 28.52"
Stab Span = 12.09"
Wing Area = S 151 in sq
Stab Area = 32 in sq