PRINT SIZE 34X22

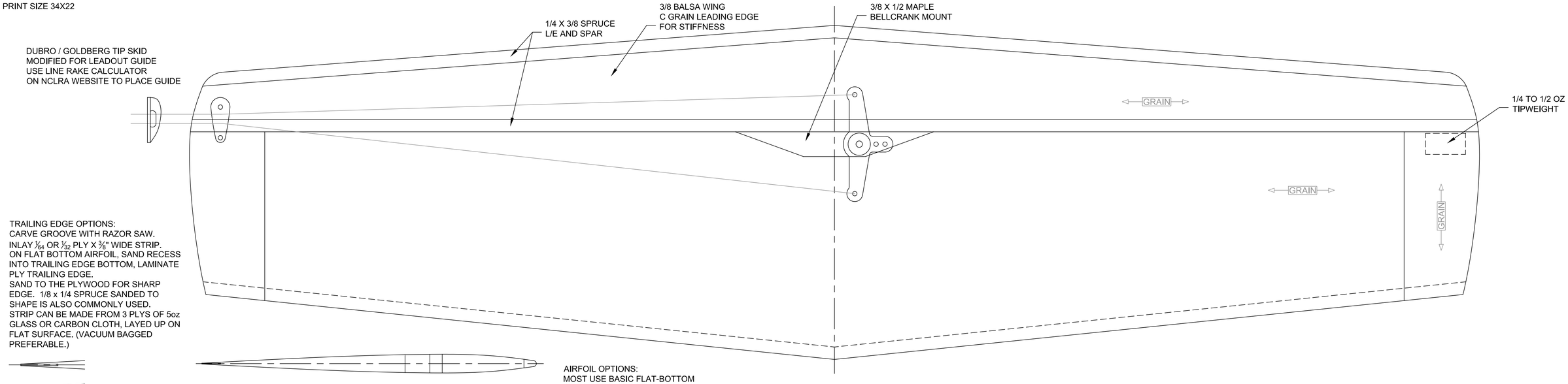
DUBRO / GOLDBERG TIP SKID
MODIFIED FOR LEADOUT GUIDE
USE LINE RAKE CALCULATOR
ON NCLRA WEBSITE TO PLACE GUIDE

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

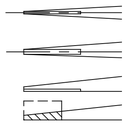
3/8 BALSA WING
C GRAIN LEADING EDGE
FOR STIFFNESS

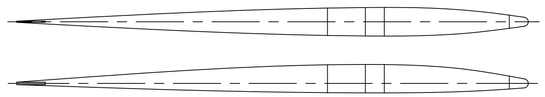
3/8 X 1/2 MAPLE
BELLCRANK MOUNT

1/4 TO 1/2 OZ
TIPWEIGHT

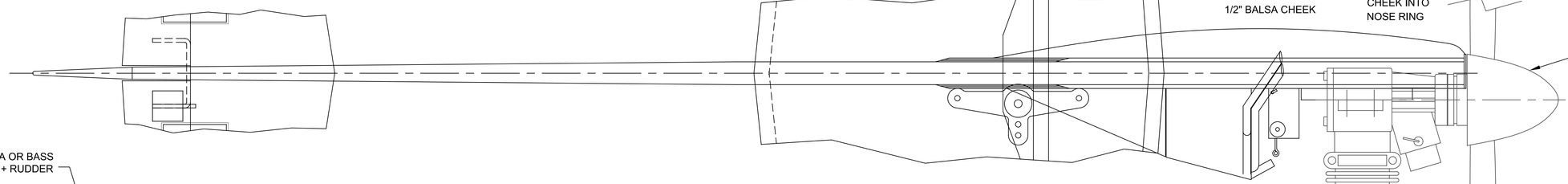


TRAILING EDGE OPTIONS:
CARVE GROOVE WITH RAZOR SAW.
INLAY 1/64 OR 1/32 PLY X 3/8" WIDE STRIP.
ON FLAT BOTTOM AIRFOIL, SAND RECESS INTO TRAILING EDGE BOTTOM, LAMINATE PLY TRAILING EDGE.
SAND TO THE PLYWOOD FOR SHARP EDGE. 1/8 x 1/4 SPRUCE SANDED TO SHAPE IS ALSO COMMONLY USED.
STRIP CAN BE MADE FROM 3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





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

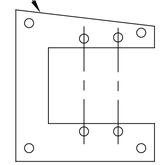


1/2" BALSA CHEEK

FAIR NOSE AND
CHEEK INTO
NOSE RING

1-½" SPINNER SHOWN
SIZE TO SUIT YOUR
TASTE

3/16 2024 ALUM
MOUNT PLATE

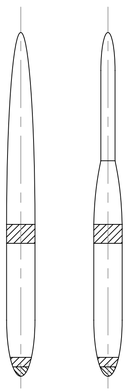


3/16 BALSA OR BASS
FIN + RUDDER

SEE X-SEC

3/8 BALSA
TAPER TO
TOP OF
FUSELAGE

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

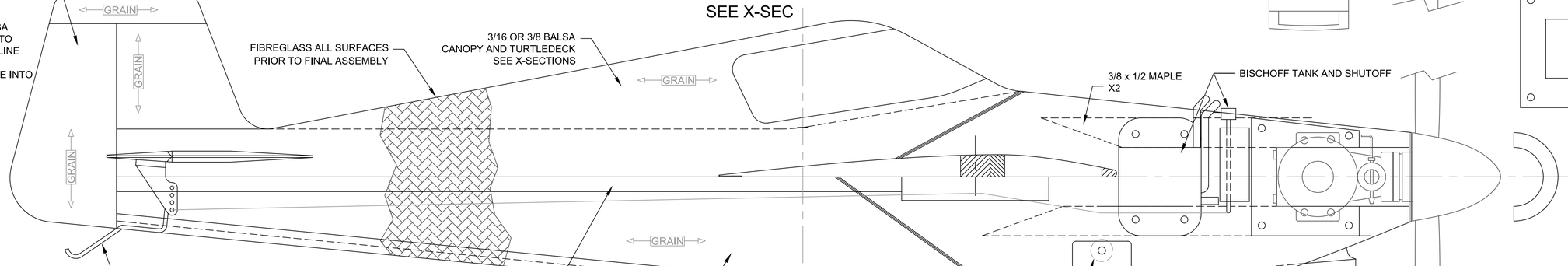


FIBREGLASS ALL SURFACES
PRIOR TO FINAL ASSEMBLY

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

3/8 x 1/2 MAPLE
X2

BISCHOFF TANK AND SHUTOFF



1-½" NOSE RING
1/16 PLY TO MATCH
SPINNER

1/16 WIRE TAIL SKID

1/4 X 3/8 SPRUCE STRINGERS
(2x 1/8 BOTTOM TO MATCH CURVE)

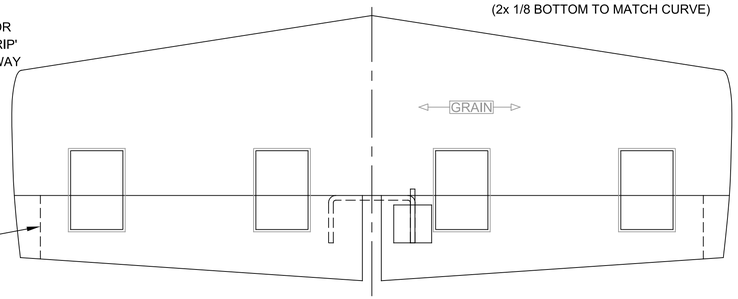
3/8 BALSA FUSELAGE

1/16" PLYWOOD DOUBLERS
BEVEL AFT EDGES

3/8 x 1/2 MAPLE
CARVE TO SHAPE

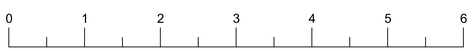
3/8 DOWEL INSET

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



1/32" PLY STAB CORE
CUT OUT FOR HINGES AND JOINER
FACE WITH 3/32" BALSA
SAND TO AIRFOIL

OPTION: SCALE END
OF ELEVATOR
A LITTLE CARBON WOULD
HELP STRENGTHEN STAB



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Miss San Bernardino

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

History:
Original build as "La Jolitta" #31
1949 renamed "Wingwax" #31
1964 renamed "Miss San Bernardino" #31
1967 renamed "Skeeter" #31
1980 renamed "Little Niner" #9
1982 renamed "Scholl Special #31

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 = 23.79"
Wing Span = 26.00"
Stab Span = 9.50"
Wing Area = 144 in sq
Stab Area = 28.1 in sq