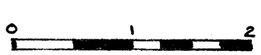
# CATELLIPTIC HIGH LAUNCH CATAPULT GLIDER

DESIGNED BY STUART BENNETT 12-89




1/8" SQ. BASSWOOD L.E. SAND TO TAPER.

1/4" STIFF BALSA

TITEBOND SEAM

HIGH POINT

1/4" LIGHT BALSA

GRAIN

BALANCE MODEL LATERALLY BY ADDING WT. TO LIGHTER WING TIP.

SAND 2° WASHOUT INTO TIPS FROM THIS POINT OUT

C.L. FOR OFFSET WING VERSION. ADD 1/4" TO R. WING PANEL.

1/16" C GRAIN BALSA
LIGHT TO MEDIUM
GRAIN

.047 STYRENE ROD. SAND TO TAPER. CYA TO BALSA BEFORE SANDING.

FINISHED WT. 50-55 GRAMS.
GLIDE LEFT, LAUNCH RIGHT.
0° WASH ON ALL WING PANELS

1/2"

NO STAB. TILT

FOR SET RUDDER ABOUT 1° LEFT TURN

2-3/16"

1-1/4"

GRAIN

1/8" PINE DOWEL

RUDDER AND SUB-RUDDER 3/32" BALSA WITH LIFTING SECTION

TOTAL FUSELAGE LENGTH 25 1/2 IN.

CAST SOLDER PELLETS TO INDICATED SIZE, DRILL HOLES IN BODY, CYA INTO PLACE AND SAND SMOOTH.

3/16" □ BASSWOOD TOP

JOIN WING TO BODY WITH TITEBOND, FILLET WITH CEMENT.

3/8" 3/8" 1/2"

COLOR STRIPE

3/16" HARD BALSA BODY
GRAIN

GRAIN

JOIN BASSWOOD TO BALSA WITH TITEBOND

ADD CLAY TO NOSE AS NEEDED FOR A FLAT GLIDE.

.050 WIRE

RAYON SEAM-BINDING, CEMENT OVER

TYPICAL CROSS SECTION

TAPER FUSELAGE TO MATCH WIRE WIDTH AT POINT OF CONTACT

CYA HOOK IN PLACE, PARTICULARLY IN INSERT INTO FUSELAGE.

.047 STYRENE ROD
CYA TO BALSA BEFORE SANDING.

GRAIN

CYA HARDEN FROM STAB T.E. BACK WHEN GLUING FINGER GRIP.

## FLIGHT RECORD:

| | | |
|---|---|---|
| 1ST | FREE FLIGHT CHAMPS. | '90 |
| 1ST | NO. CAL. CHAMPS | '91, |
| 1ST | OCD CAT. CONT. | JAN. 92 |
| 2ND | " " " | AUG. '91 |
| 2ND | " " " | JAN. '90 |