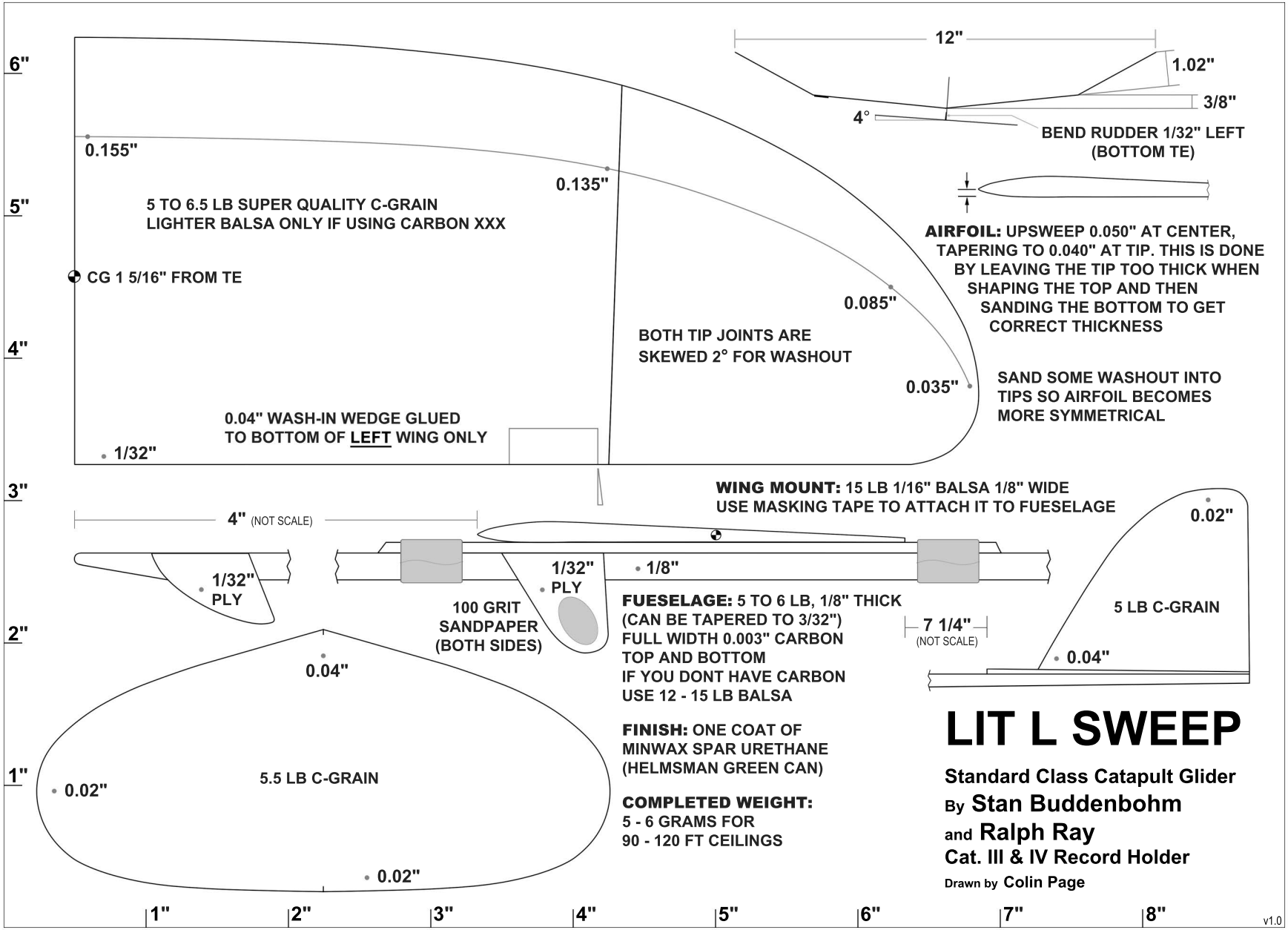
6"
5"
4"
3"
2"
1"
0.155"
0.135"
5 TO 6.5 LB SUPER QUALITY C-GRAIN
LIGHTER BALSA ONLY IF USING CARBON XXX
CG 1 5/16" FROM TE
0.085"
BOTH TIP JOINTS ARE
SKEWED 2° FOR WASHOUT
0.035"
SAND SOME WASHOUT INTO
TIPS SO AIRFOIL BECOMES
MORE SYMMETRICAL
0.04" WASH-IN WEDGE GLUED
TO BOTTOM OF LEFT WING ONLY
1/32"
12"
1.02"
3/8"
4°
BEND RUDDER 1/32" LEFT
(BOTTOM TE)
AIRFOIL: UPSWEEP 0.050" AT CENTER,
TAPERING TO 0.040" AT TIP. THIS IS DONE
BY LEAVING THE TIP TOO THICK WHEN
SHAPING THE TOP AND THEN
SANDING THE BOTTOM TO GET
CORRECT THICKNESS
WING MOUNT: 15 LB 1/16" BALSA 1/8" WIDE
USE MASKING TAPE TO ATTACH IT TO FUESELAGE
4" (NOT SCALE)
1/32"
PLY
100 GRIT
SANDPAPER
(BOTH SIDES)
1/32"
PLY
1/8"
FUESELAGE: 5 TO 6 LB, 1/8" THICK
(CAN BE TAPERED TO 3/32")
FULL WIDTH 0.003" CARBON
TOP AND BOTTOM
IF YOU DONT HAVE CARBON
USE 12 - 15 LB BALSA
7 1/4"
(NOT SCALE)
0.02"
5 LB C-GRAIN
0.04"
0.04"
5.5 LB C-GRAIN
0.02"
0.02"
FINISH: ONE COAT OF
MINWAX SPAR URETHANE
(HELMSMAN GREEN CAN)
COMPLETED WEIGHT:
5 - 6 GRAMS FOR
90 - 120 FT CEILINGS
LIT L SWEEP
Standard Class Catapult Glider
By Stan Buddenbohm
and Ralph Ray
Cat. III & IV Record Holder
Drawn by Colin Page
1"
2"
3"
4"
5"
6"
7"
8"
v1.0