X-29
Designed by
Carl I. Layden
Wingspan: 36"
Length: 59"
Weight: 4-5 lbs
Engine: .30 -.40
0 1 2 3 4
11 10 9 8 7 6 5 4 3 2 1
+2 deg. AOA
0 deg. AOA
Section A-A'
A
1/4" balsa
F6
Canard root
1/16 Balsa
Canard tip
1/2 Balsa leading edge
Lead to static balance canard
5 13/16"
Solder 4-40 threaded rod to brass tube
Sheet cores with 1/16" balsa
Epoxy cores to brass tube before joining to fuse. Keep cores in cradles while epoxy cures. Insure brass tube is level.
1" Balsa Trailing edge
1/2 Balsa leading edge
1/4 Balsa
1" Balsa Trailing edge
Join wing sections upside down. Such that top of wing has 0 deg. dihedral
1/4" dowel
Scrap balsa
Sheet cores with 1/16" balsa
Install servos on wing bottom
Glass centre section
1/8 Ply dihedral brace
Remove this area after sheeting
1/8 Balsa
Root Template
Eppler 226
F2
1/4 Balsa
1" Balsa Trailing edge