

A technical drawing of a glider, showing a side view of the fuselage and a cross-section of the nose. The drawing includes various dimensions and labels. The side view shows a long, slender fuselage with a rounded nose and a tail section. The cross-section shows a symmetrical airfoil shape. Dimensions include a total length of 16, a nose length of 1 9/16, a fuselage length of 3 1/2, and a tail length of 5. The text "SYMMETRICAL FULL" is visible at the bottom right of the drawing. The word "GLIDER" is written in large, bold, black letters across the center of the drawing.

GLIDER

BY:

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MATERIALS REQUIRED:

- ✓ Balsa Wood
- ✓ Super Glue
- ✓ Sandpaper
- ✓ Pencil
- ✓ Cutter
- ✓ Cutting Board
- ✓ Ruler

PLAN:

FIRST OF ALL WE WILL DESIGN THE GLIDER ON THE PAPER. SO WHEN ALL THE TEAM MEMBERS AGREE UPON THE DESIGN THEN WE WILL START TO DESIGN THE BODY OF GLIDER ON THE Balsa WOOD WITH PENCIL AND RULER. THEN WE WILL CUT ALL THE PARTS USING CUTTER. AFTER THAT WE WILL REFINE EDGES OF THE GLIDER PARTS. ONCE WE ARE DONE WITH THAT. THEN WE WILL START TO MAKE THE PROFILE OF THE PLANE USING SANDPAPER. SO THAT IT'S AERODYNAMICS ARE GOOD ENOUGH TO GIVE THE GLIDER A STABLE FLIGHT. AT THE END WE WILL ASSEMBLE THE PLANE AND WE WILL ATTEMPT SOME TEST FLIGHTS, SO THAT IT FLIES PERFECTLY DURING THE COMPETITION.

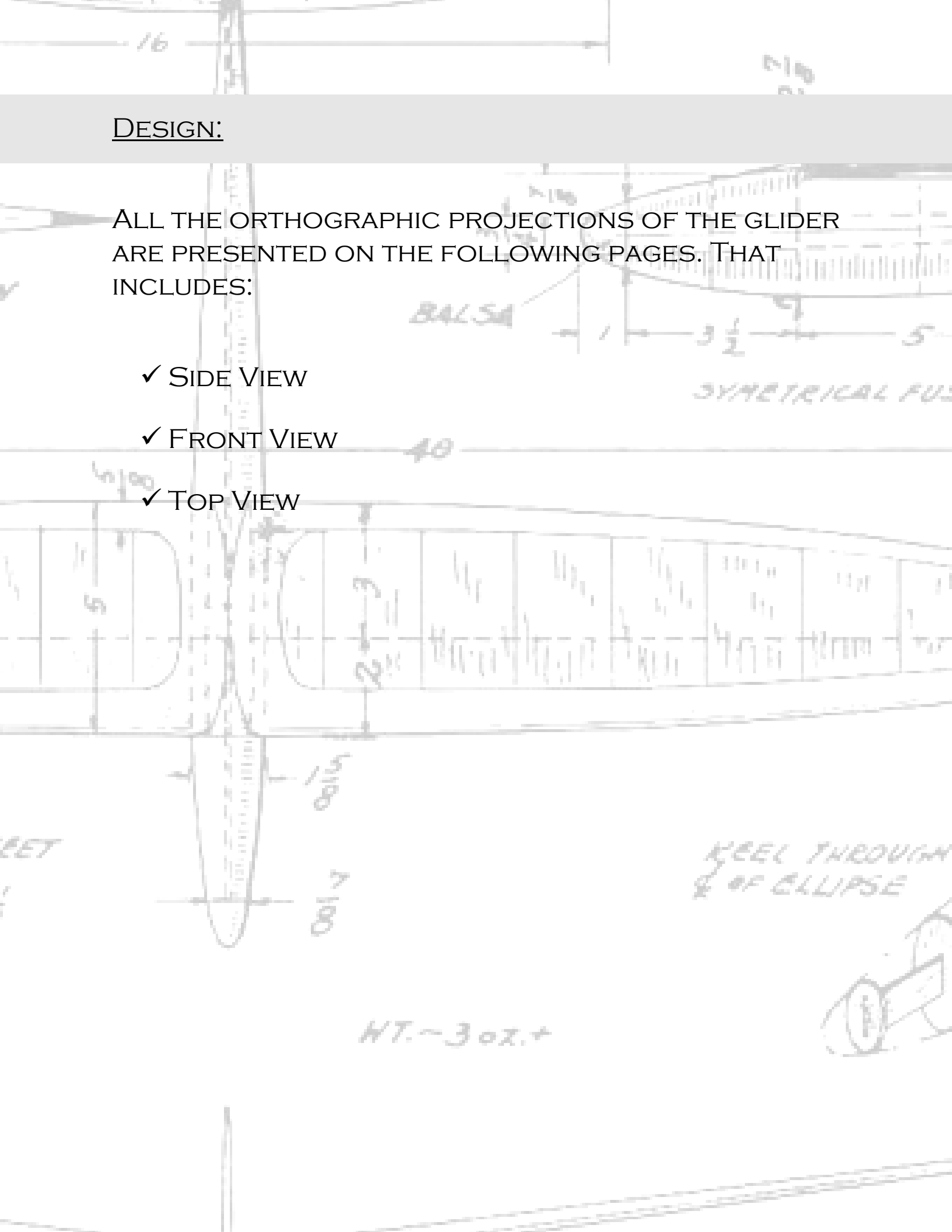
DESIGN:

ALL THE ORTHOGRAPHIC PROJECTIONS OF THE GLIDER ARE PRESENTED ON THE FOLLOWING PAGES. THAT INCLUDES:

✓ SIDE VIEW

✓ FRONT VIEW

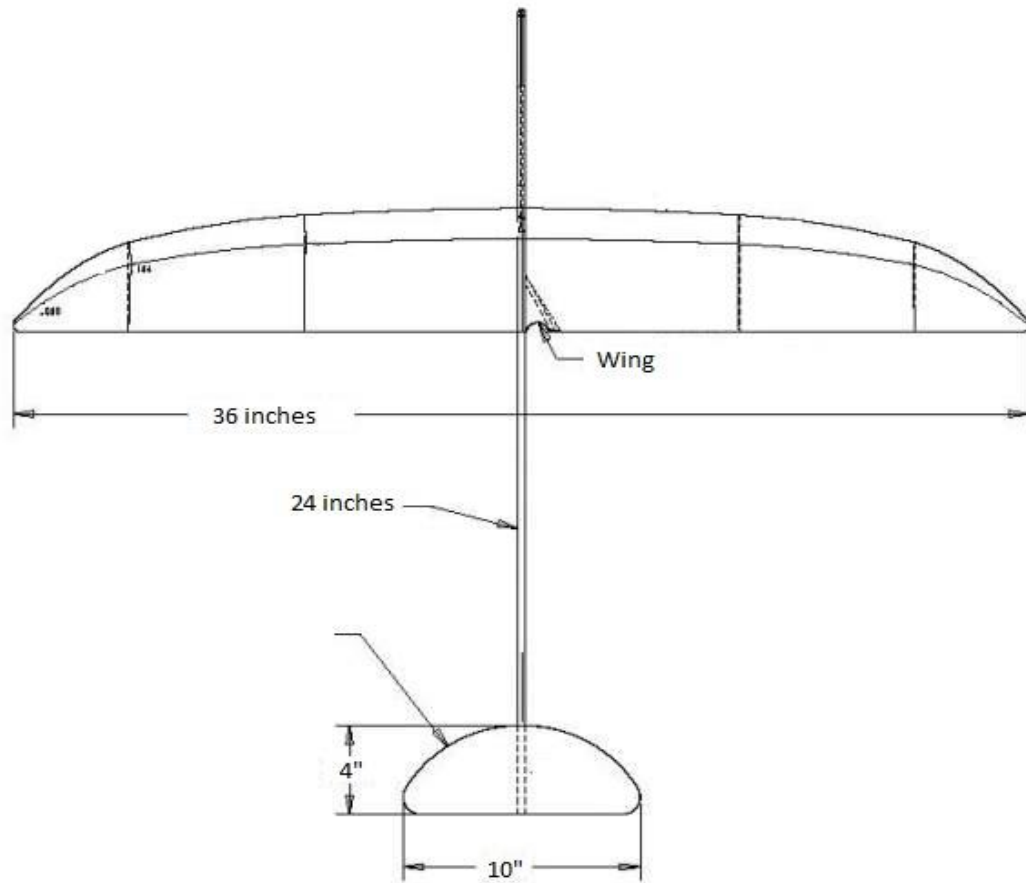
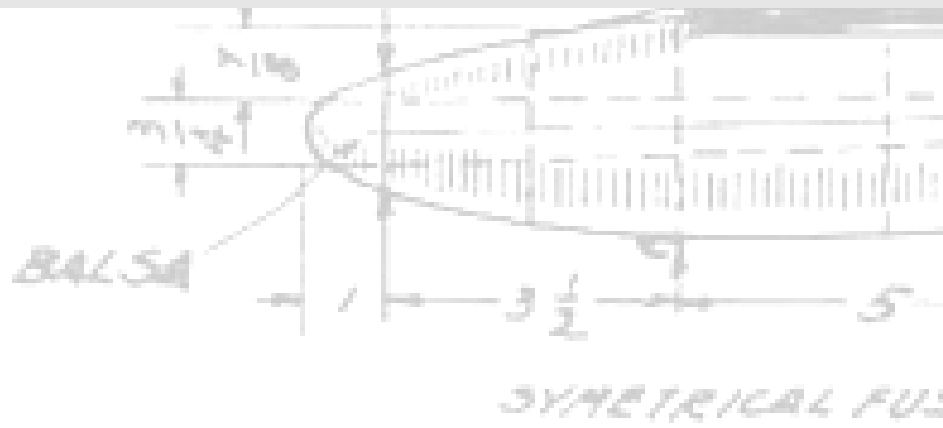
✓ TOP VIEW



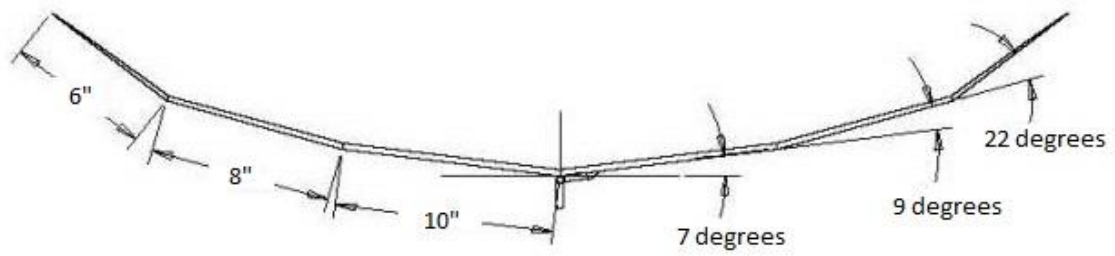
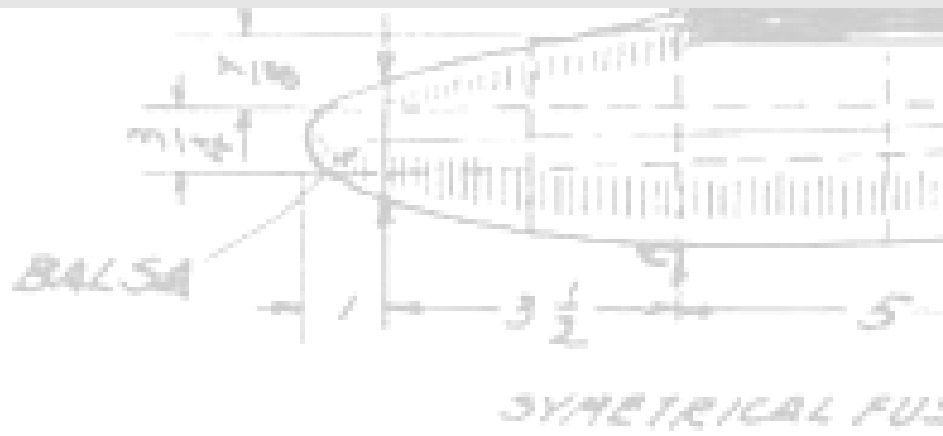
KEEL THROUGH
1/2 OF ELLIPSE

WT. ~ 30z. +

TOP VIEW:



FRONT VIEW:



SIDE VIEW:

