

Black lines indicate cuts. Grey lines are folds or reference lines for gluing pieces. Print page 2 on 65-lb. card stock and 3 on 80-lb. card stock. If desired, use two colors. Pieces on this page can be traced onto 8-mm chipboard. Alternatively, print this page on card stock and glue it to lighter chipboard.

Save scraps of the card stock in case you need to add pieces for weight or strength, or to make repairs after flying it.

**A. balsa body/neck** [not pictured]—1/8" thick by 1/4" wide by 8 cm long; taper thickness of last 0.5 cm so it will be almost flush with the dorsal side of B

**B. wing/body**—use straight edge to establish a slight fold on the center line; glue A to ventral side

**C. spars**—glue to top of B

**D. spar connector**—glue over seam of C and raise wingtips by about 12 degrees each (for dihedral) as glue dries

**E. center line brace**—glue onto dorsal side of B

**F. body/neck**—glue one to ventral side of A and other to dorsal side of B; make sure they are perpendicular to the wingspan

**G. head**—glue together (profile shown in grey), then glue and insert between layers of F

**H. wing top layer**

**I. legs/body top layer**

**J. small fins**—glue fin areas to make pairs, but do not glue tabs; fold tabs out at right angles and glue to B at the trailing edges

**K. large fin**—glue fin areas but not tabs; fold tabs out at right angles and glue to B

**L. body ventral cover aft**

**M. body ventral cover fore**—overlap L slightly

**N. body dorsal cover aft**

**O. body dorsal cover fore**—overlap N slightly

**P. canard bottom**

**Q. canard middle**

**R. canard top**—glue layers together; glue finished airfoil to dorsal side; front of this piece is 1.8 cm aft of the nose

**S. head dorsal covers**—overlaps R

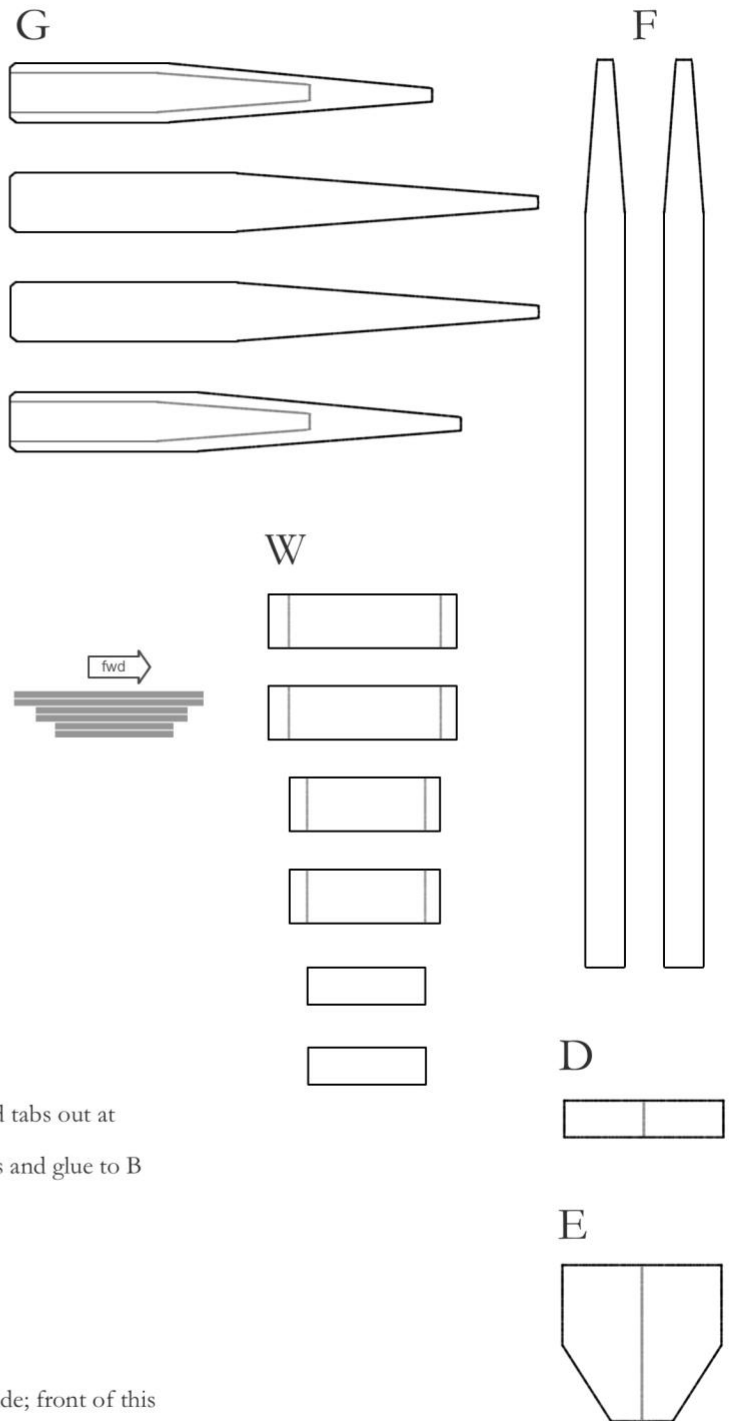
**T. head side covers**

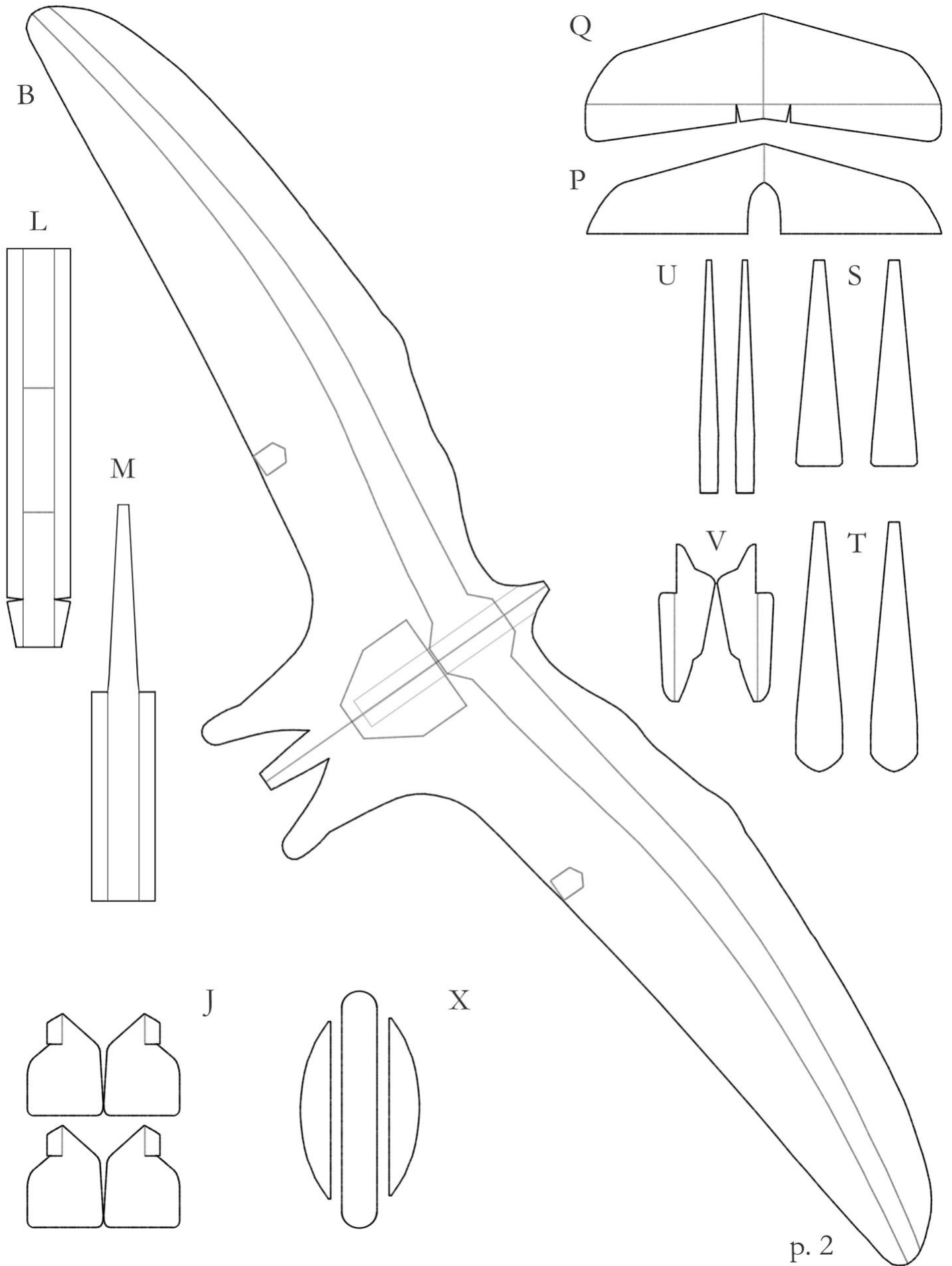
**U. head ventral covers**

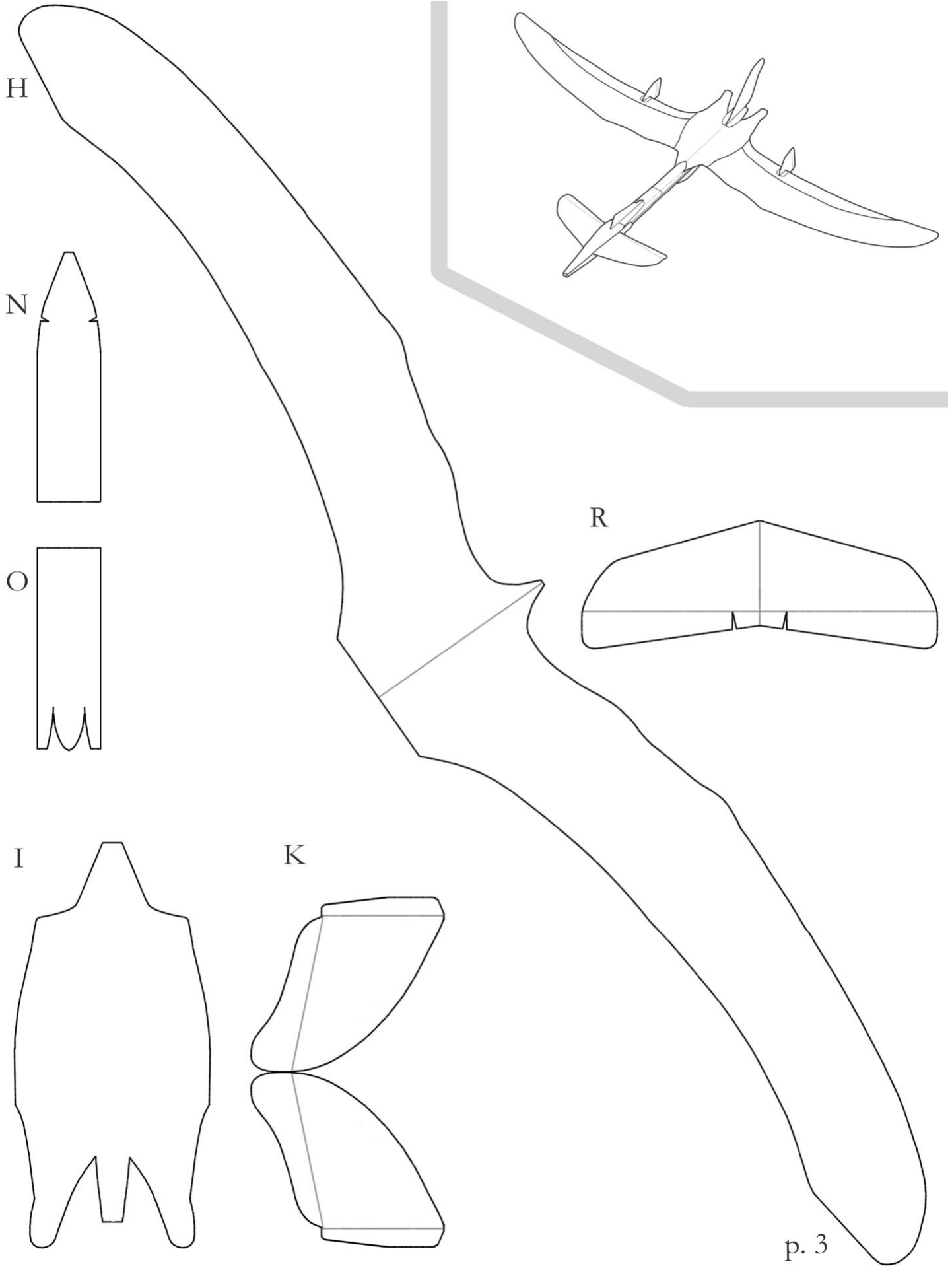
**V. crest**—glue crest areas but not tabs; fold tabs out at right angles and glue flush with aft end of S; front of crest will overlap S

**W. chest**—glue layers together (profil shown in grey), then glue to L

**X. chest ventral and sides covers**

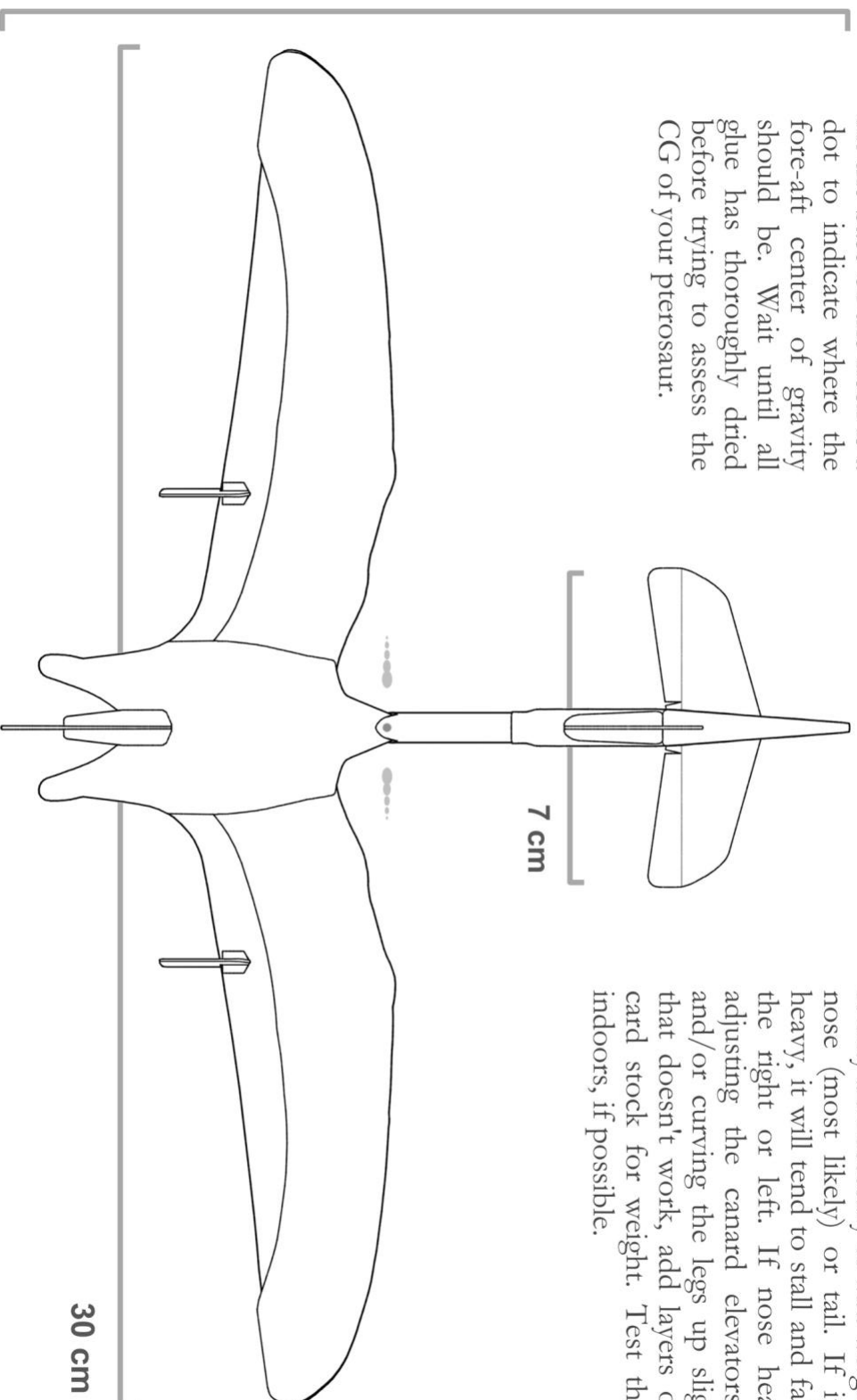






19 cm

At the base of the neck is a dot to indicate where the fore-aft center of gravity should be. Wait until all glue has thoroughly dried before trying to assess the CG of your pterosaur.



It may be necessary to add weight to the nose (most likely) or tail. If it is tail heavy, it will tend to stall and fall off to the right or left. If nose heavy, try adjusting the canard elevators down and/or curving the legs up slightly. If that doesn't work, add layers of scrap card stock for weight. Test the plane indoors, if possible.

30 cm