



CUSTOM SPACE HELMET

A Much Props Original
By Thomas Hanna

I made this template for making my Custom Space Helmet. I drew inspiration from a number of places: The Iron Giant, medieval jousting helmets, and oddly How to Train Your Dragon. Please feel free to make any modifications you would like.

- Cut out all the pieces of the template and trace them onto the material of your choice (I used 6mm, 4mm and 2mm EVA foam)
- Most of the parts contain registrations marks, which look like little U's on the edges. These marks are to help you keep the shape aligned and force the foam into a curve. You trace these onto the foam, you do not cut them. There are larger darts on some parts, these are to be cut into those parts to allow that area to curve.
- Some parts have an *followed by a R, this means that it is the right side of the helmet. To get the left side turn the template label side down and trace it again to get the left half. X2 means to make multiple exact copies (this would be the bolt).
- Some parts were too large to fit on a normal sheet of paper so the have dotted lines with a number followed by a letter. Match the numbers up and tape them on the dotted lines before tracing onto your material.
- There are blue highlighted edges on some of the pieces, this blue means that the edge it is on needs a 45 degree angled cut inward. The red zig zag lines on the connect piece mean that the front and back portions of the helmet overlap these areas. The red line with circles means to trace the whole piece for a right and a left, cut on that line and trace for a right and left. The larger makes the front and the smaller makes the back.
- You could certainly try and make it out of other thicknesses of EVA, I chose 6 mm for the helmet base because I needed the parts to be sturdy but still have enough flexibility for me to curve into shape.
- Some adjustments and reductions in size may be needed in order to fit smaller heads.
- Along with the EVA/craft foam you will need: 24 mm & 18 mm EVA dowels, contact cement, super glue, a rotary tool, rotary sanding bits, woodburning tool, scissors, xacto or box cutter, Plasti dip or something to seal it with, spray paint, and acrylic paints.

Hopefully this is helpful and keep in mind it is a free template (so please don't be judgmental). Share this with everyone you know. I spend a lot of extra time making these templates and would love to be tagged in photos of your end results on social media. And inevitably someone is going to ask you, HOW did you make that? Give them one of these  and tell them MUCH PROPS.



MUCHprops

*R

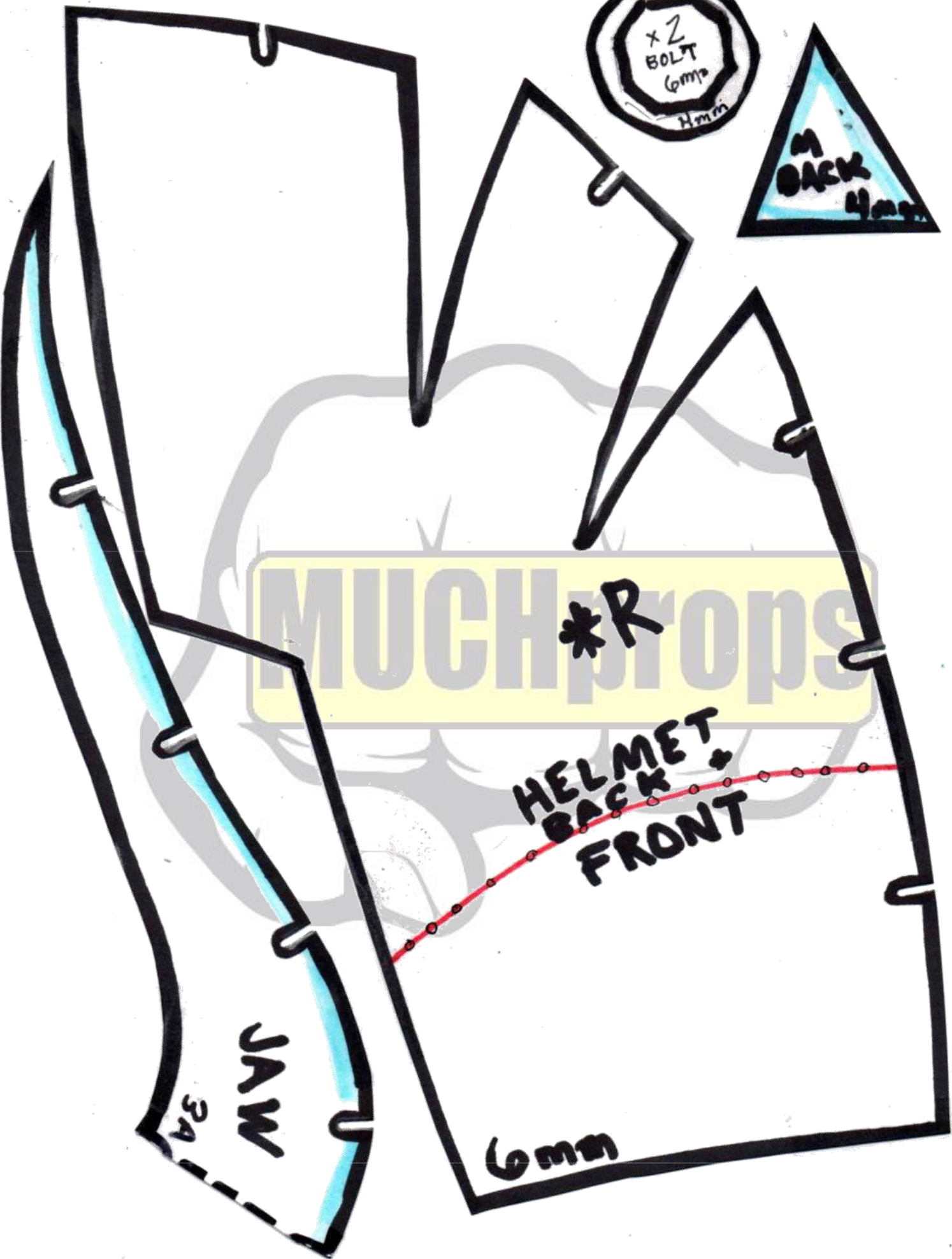
HELMET
BACK
FRONT

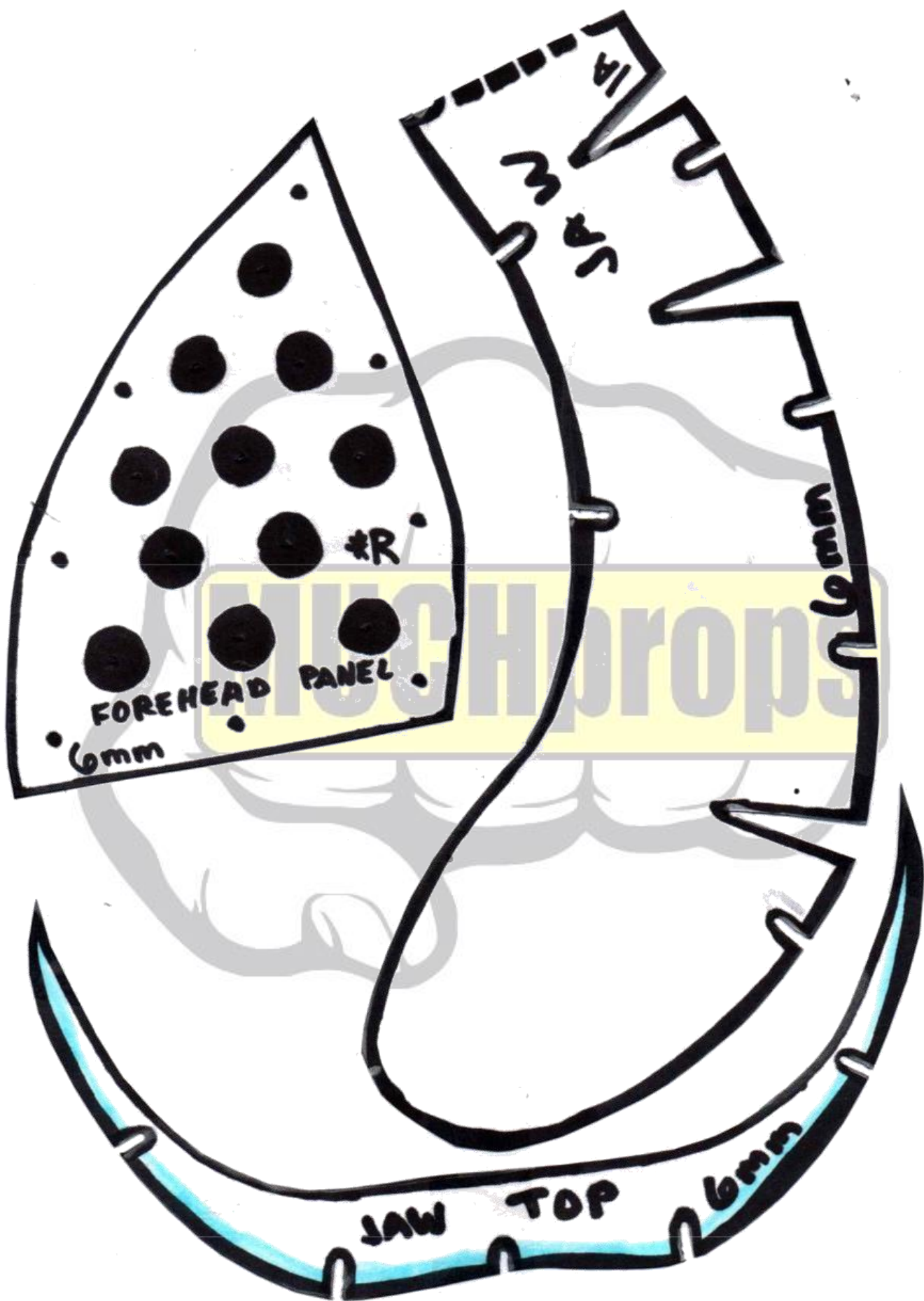


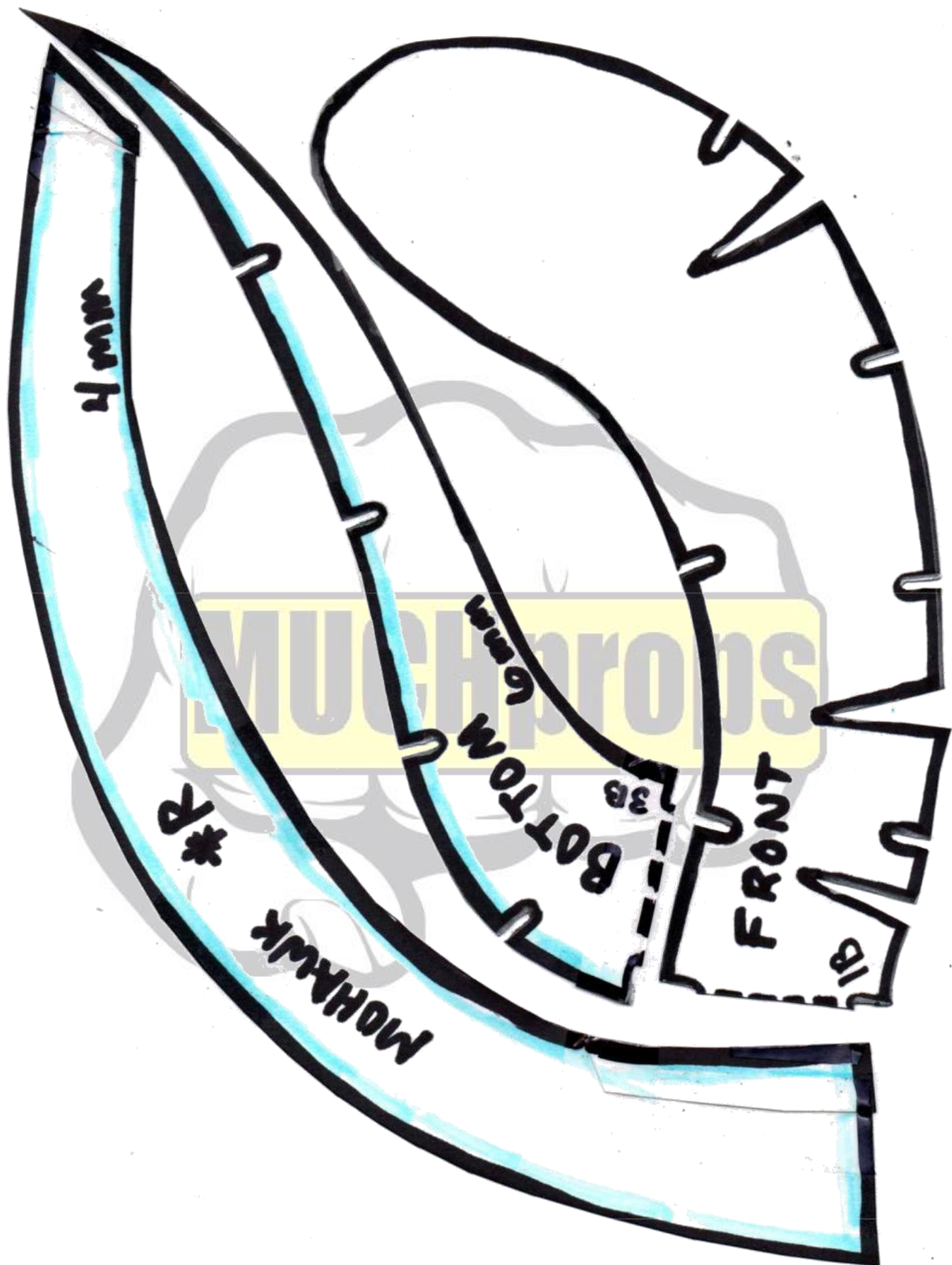
6mm

JAW

34







FRONT + 2a

BACK CONNECTOR 2.6

2mm

