This drawing is originally a SVG (scalable vector graphics) file. I've not called out deminsions, since everything is drawn to-scale. Both a SVG and PDF version can be opened with a vector drawing program such as Inkscape to see the dimensions of any part. A scale bar is provided at the top just in case.

Seam allowances are either 1 cm or 1.5 cm, and are indicated by a darker color.

Author: Jarmo Kivekäs License: CC-BY-SA-4.0 Date: 2022-03-01 Rev: 1

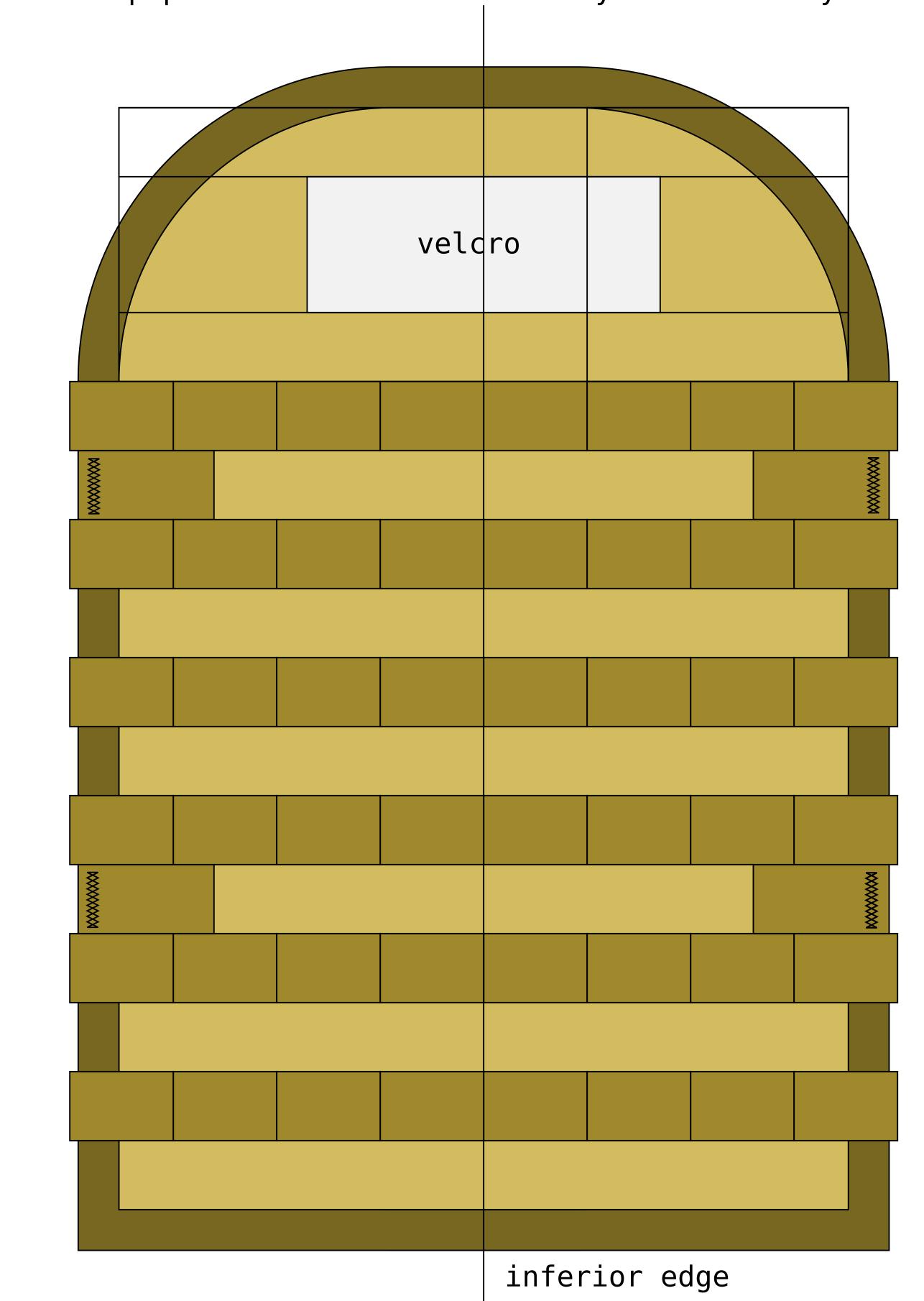
Scale for inches Metric mm cm dm

Posterior panel

- cut PALS webbing to the same lenght as the witdth of the posterior panel

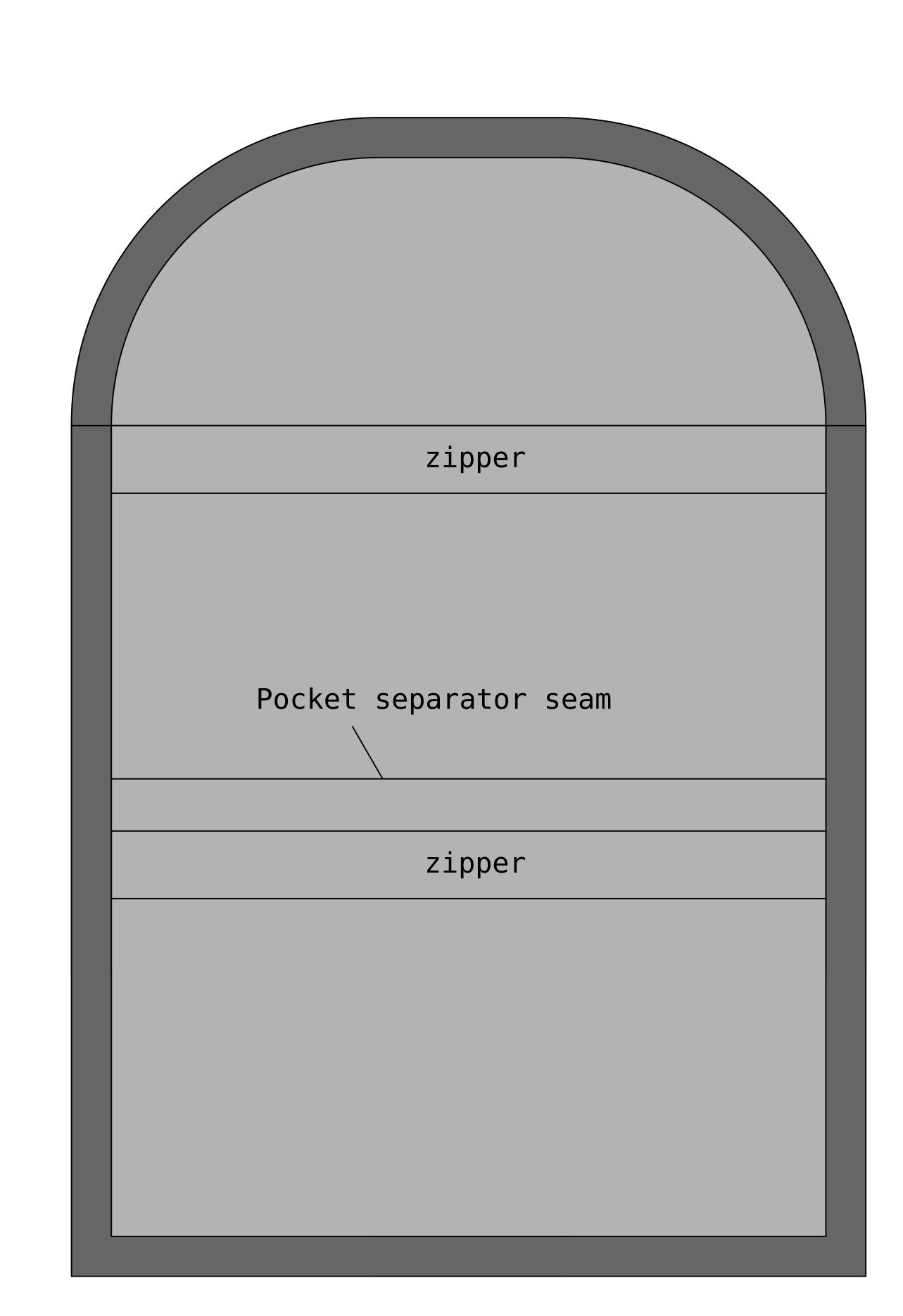
- the PALS webbing ends are sewin into the seam of the posterior and intermediate panel

- compression strap bluckle receptacels can also be sew into the ends of the PALS webbing instead of using dedicated webbing loops for the buckles.
- velco loop patch considered mandatory because they are fun



Interior zipper pockets for the posterior panel

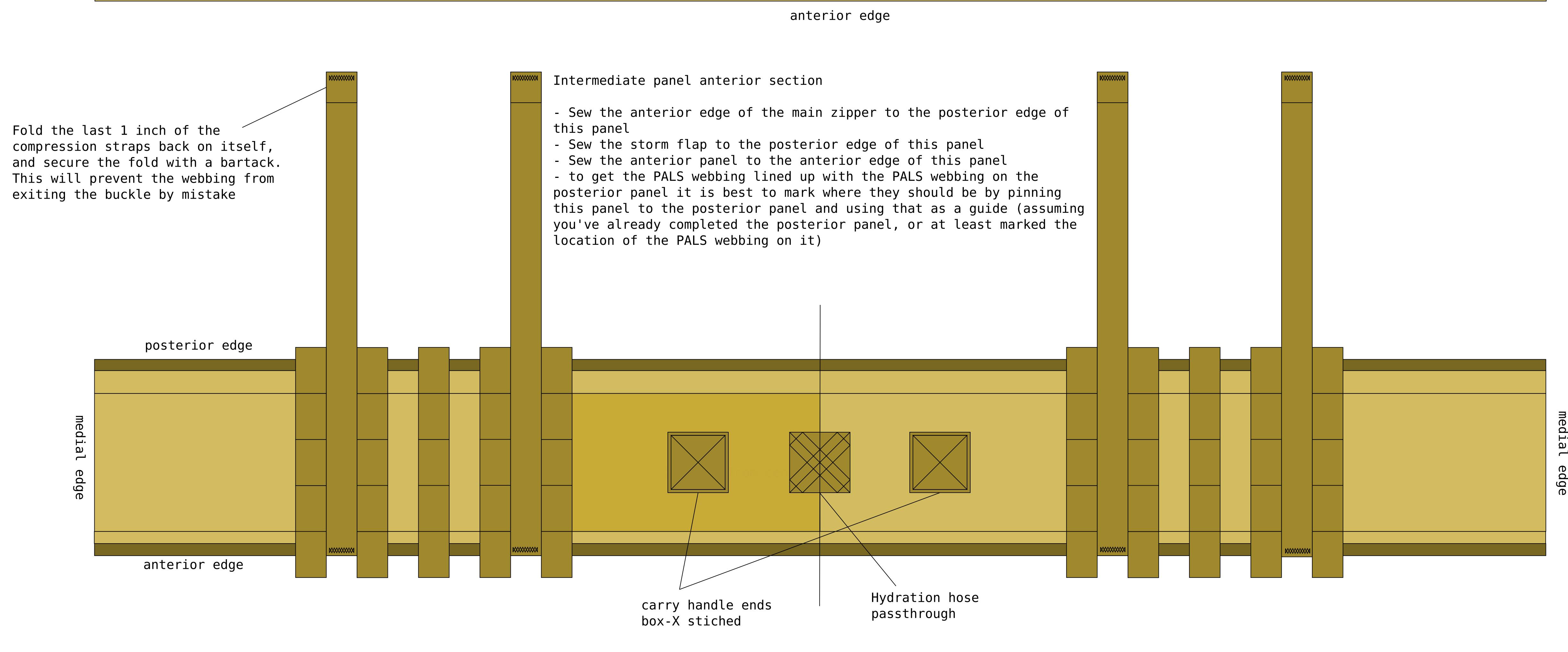
Sew onto the interior face of the posterior panelThis panel is optional



Intermediate panel posterior section

- sew the posterior panel to the posterior edge of this panel - sew the posterior edge of the main zipper to the anterior edge of this panel

posterior edge



Storm Flap

- This piece pill cover the main sipper on the pack to protect it from wear as well as preven rainwater entering the pack through the zipper

- fold lengthwise at the middle.

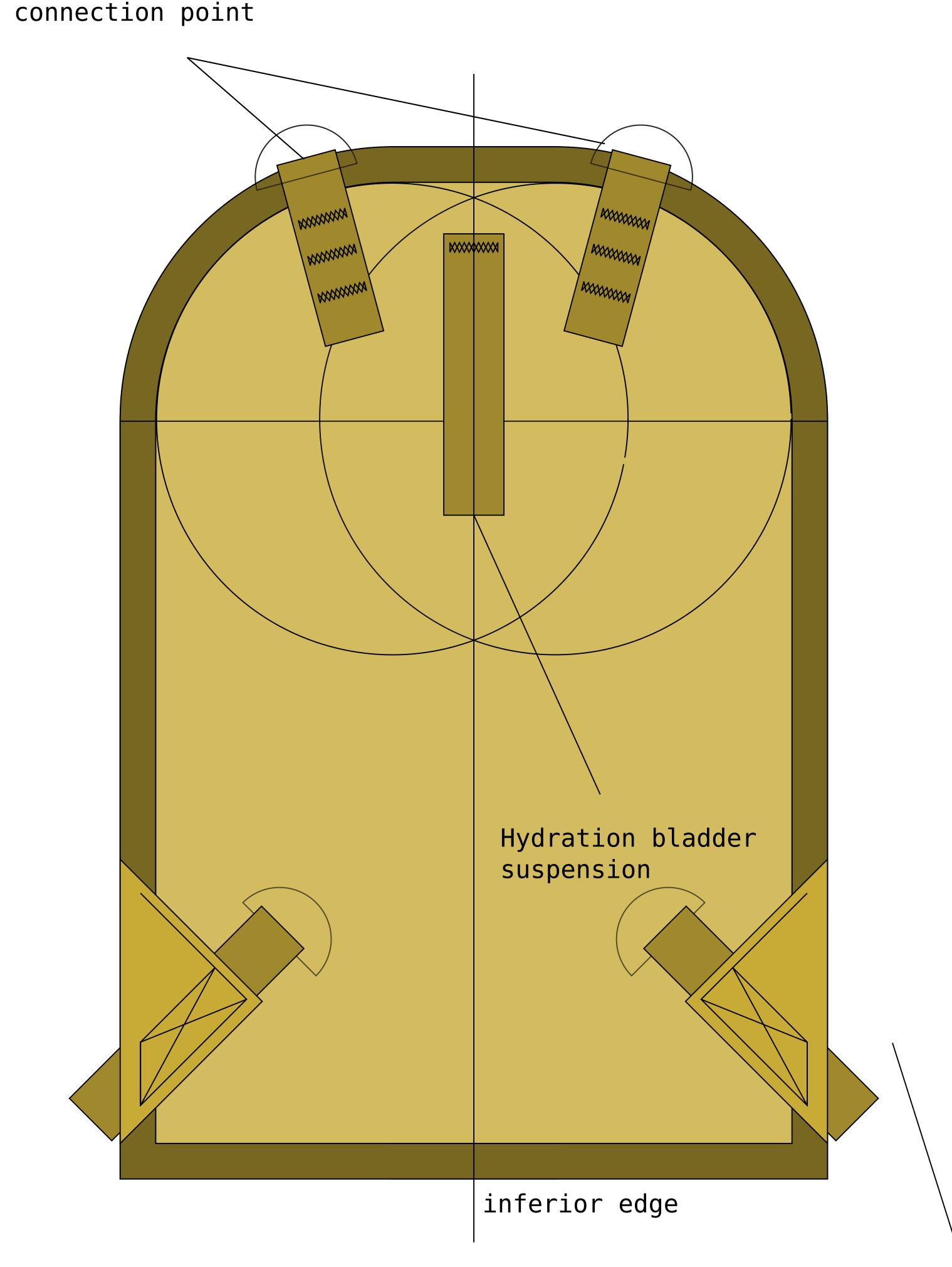
- Sew a seam along the fold to make a sharper, more clean looking fold
- This flap ends up being relatively large. It could be smaller.

lengthwise fold

Anterior panel

- the webbing for the shoulder strap superior connection point can be sewn either on the exterior on interior face of the panel. It is simpler to sew them to the exterior face, as it can be done before the final assembly of the pack. Else the webbing must only be bartacked in the seam allowance, and finalised after final assembly.

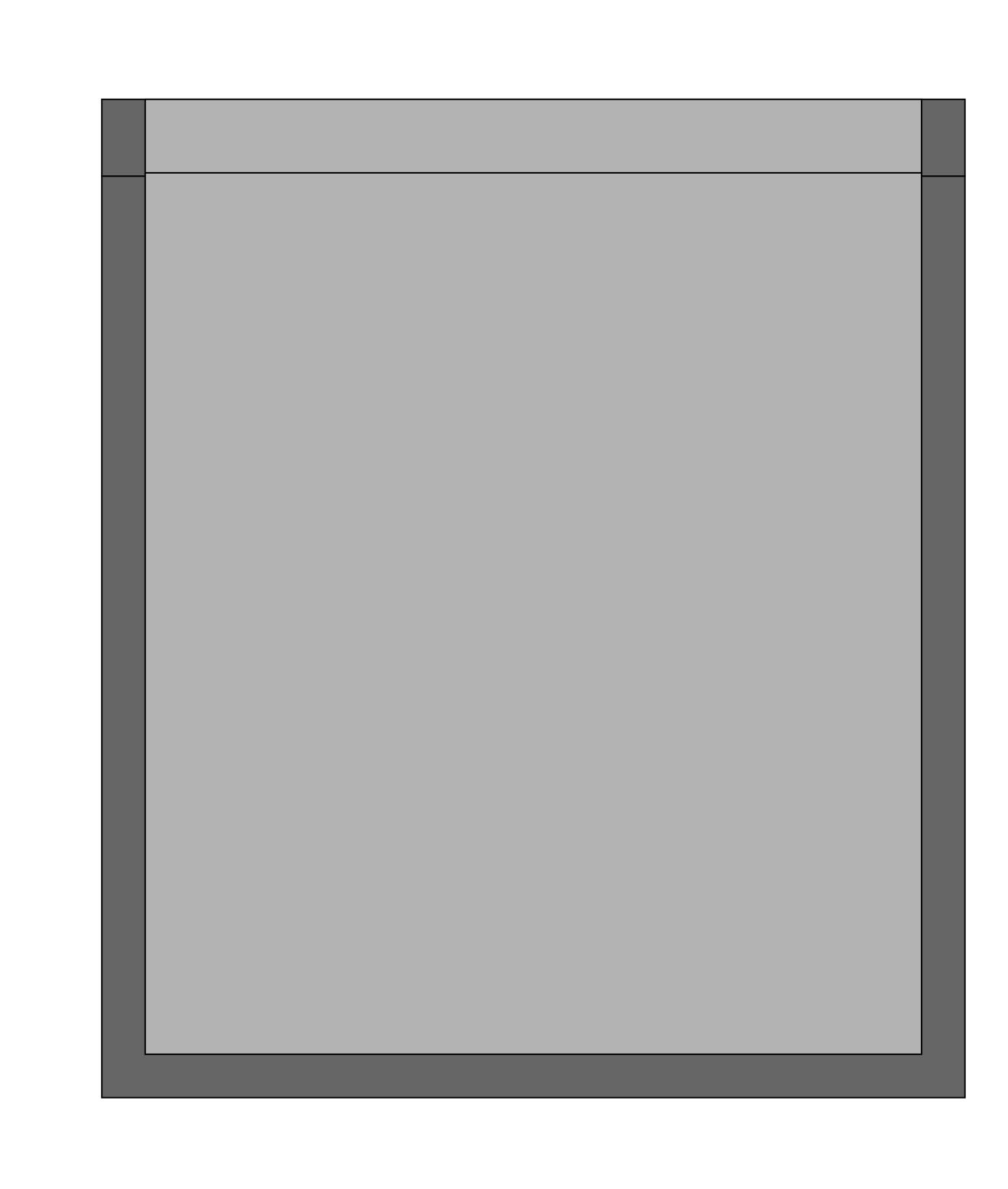
Shoulder strap superior



Interior hydration pocket for the anterior panel

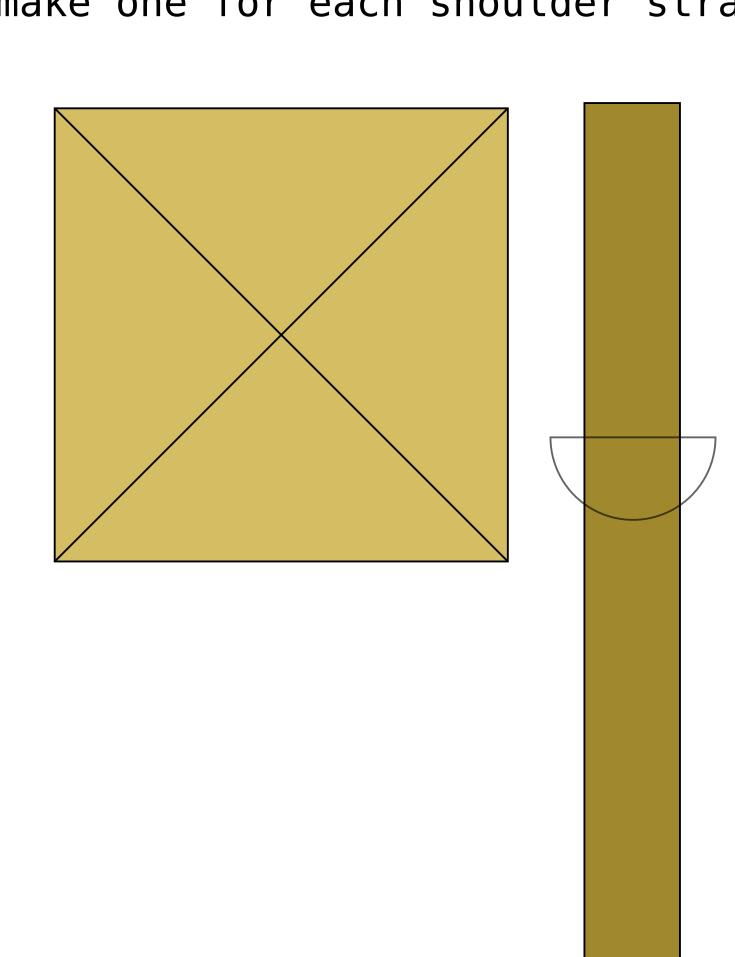
- optional

on the interior face of the anterior panel
 add a few cm width to the pocket to give space
 for the hudration bladder. if the anterior exterior panel
 if the same width as the hydration pocket panel, the pack
 will buldge out against the wearers back

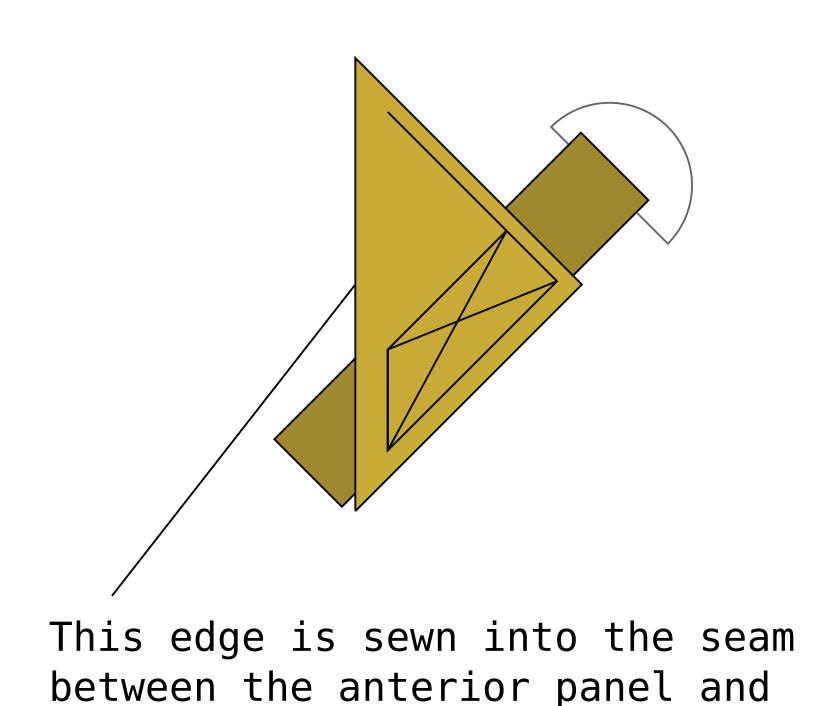


Shoulder strap inferior connection point

- 12 x 12 cm fabric
- folded twice to make a triangle
- webbing folded in two to attach D-ringmake one for each shoulder strap



The assembled shoulder strap inferior connection point:



the intermediate panel

Bottom Panel

This panel is drawn much too tall here.Trim it to the appropriate size by compa

- Trim it to the appropriate size by comparing it to the width of the finished intermediate panel.

- The bottom panel lateral edge should be the same length as the medial edge on the intermediate panel

Sew the posterior edge to the posterior panel inferior egde
 Sew the anterior edge to the anterior panel inferior edge

- Sew the lateral edges to the anterior panet interior edge - Sew the lateral edges to the the medial edges of the intermediate panel. NOTE: the edges are not designed to meet up, the intermediate panel is intentionally too long. The bottom panel simply covers the medial edges of the intermediate panel, and closes the gap between the theo medial edges.

