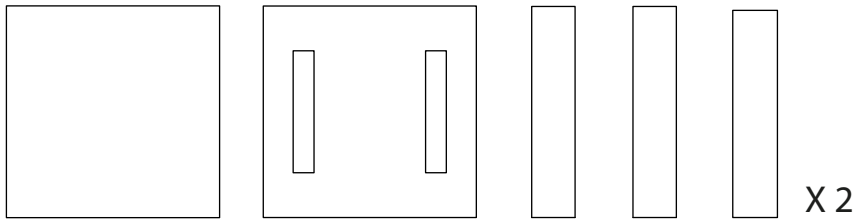
NEST MODULE

Assembly instructions

PARTS LIST

BASE



X 2

BOTTOM 3mm
+

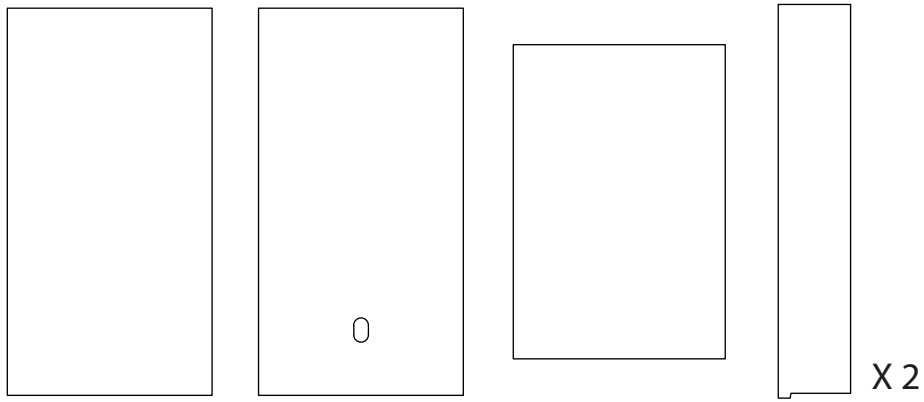
BOTTOM 2mm
~

FRONT
^

BACK
+

SIDES
^

WALLS



X 2

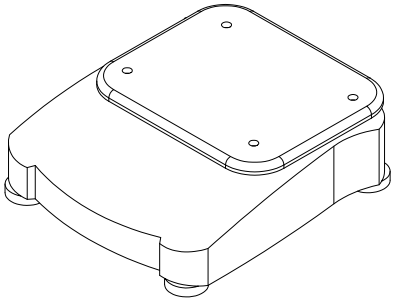
SIDE
^

WATER BOTTLE SIDE
^

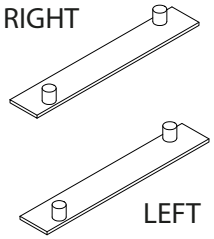
BACK
+

OUTER WALL
^

SCALE

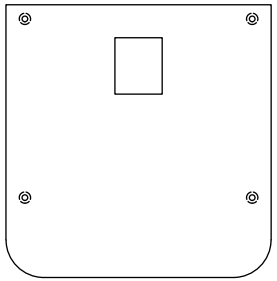


SCALE



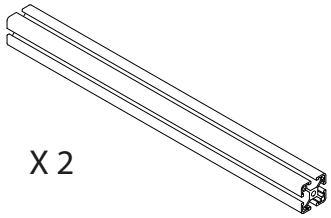
NEST HOLDERS

SCALE SUPPORT



ACRYLIC PLATFORM

~



X 2

ALUMINIUM EXTRUSION
360mm

X 4

SPACER 15mm

~

X 4

CAP SCREW M6

X 4

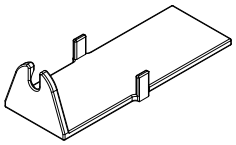
COUNTERSUNK
SCREW M6 12mm

X 4

INSERTION NUTS
M6

BOTTLE HOLDER

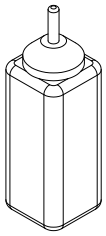
BOTTLE HOLDER



X 2

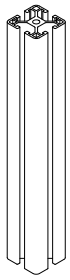
SPACER 5mm

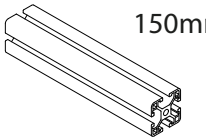
~



WATER BOTTLE

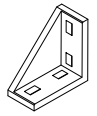
250mm





150mm

ALUMINIUM EXTRUSION



X 2

ANGLE BRACKET

X 3

INSERTION NUTS M6

CAP SCREW
M6 25mm

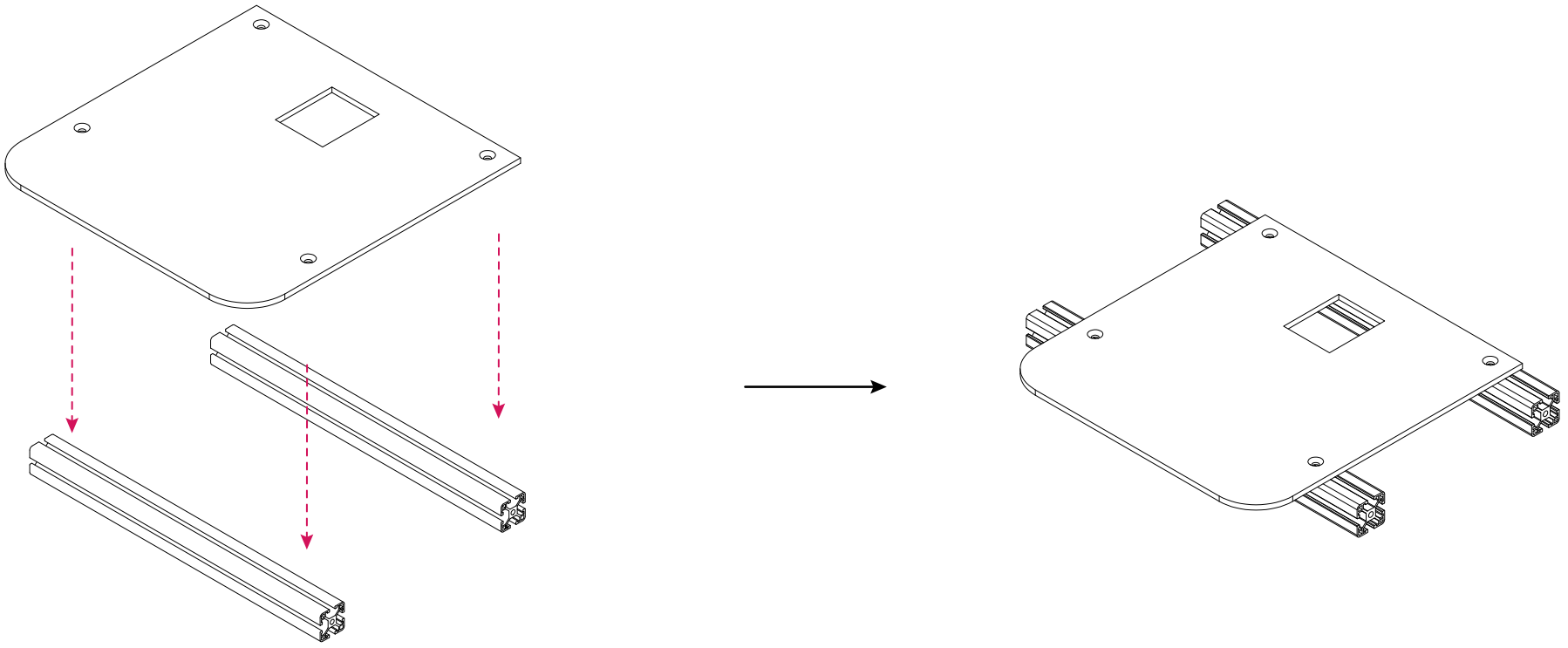
X 4

CAP SCREW
M6 14mm

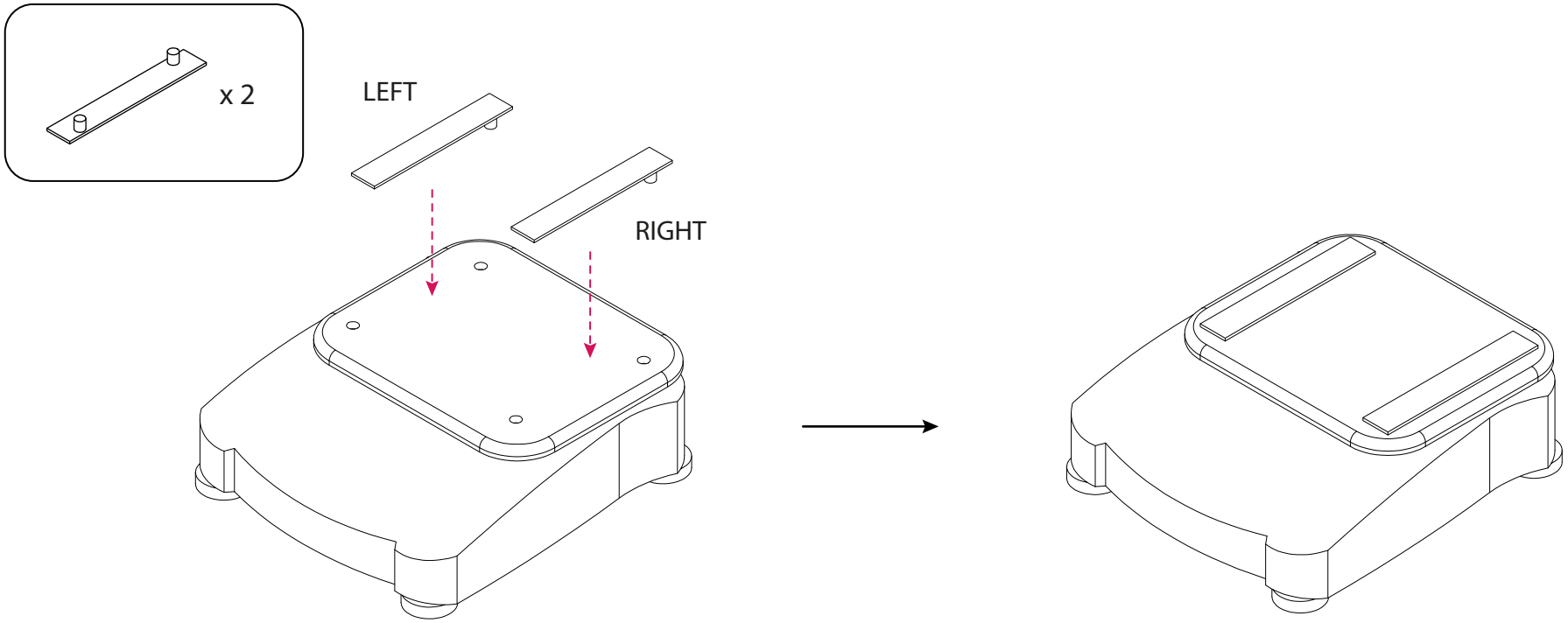
^ Red tinted + White matt ~ Any colour

Acrylic thickness is 5mm unless stated otherwise

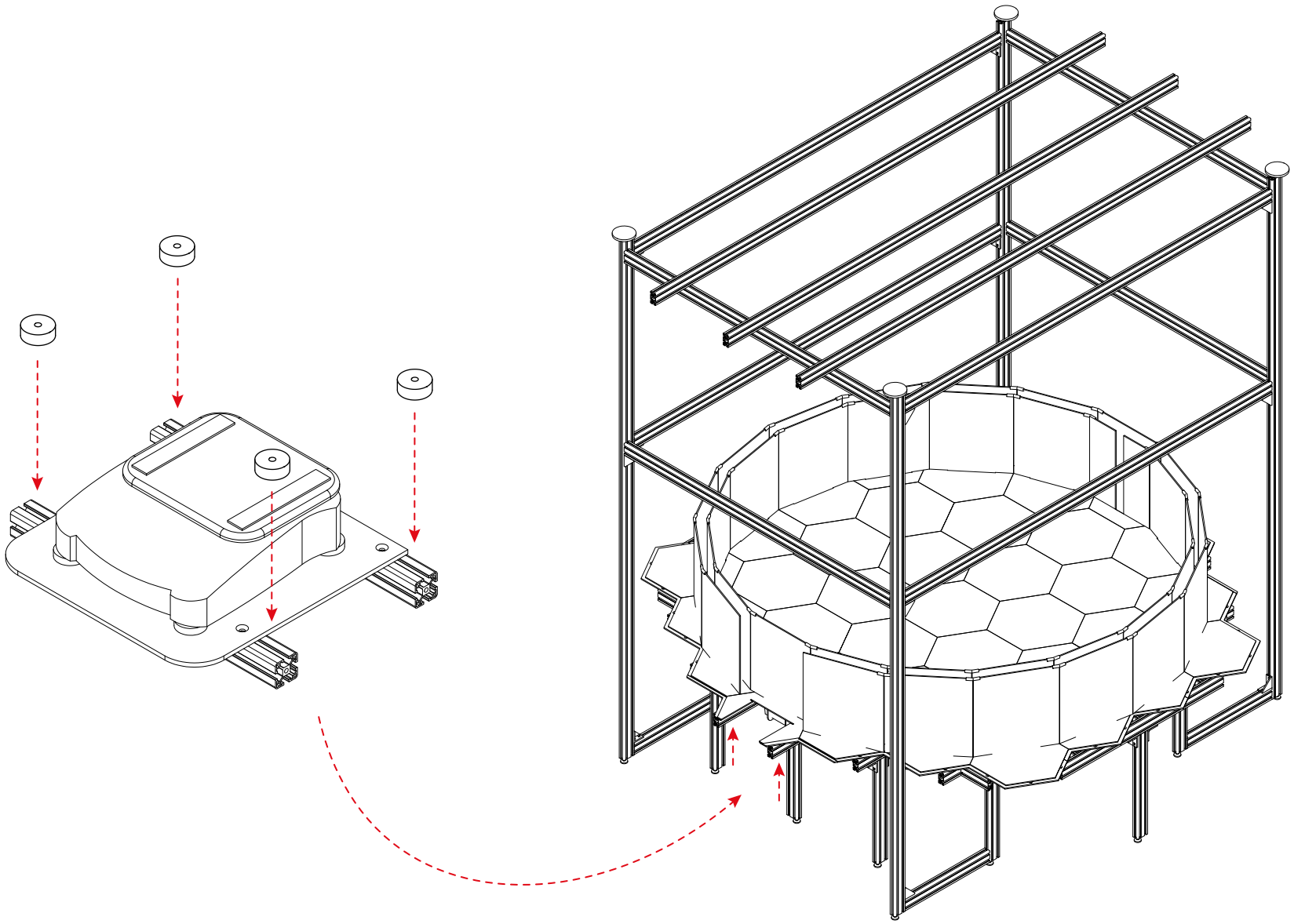
1. Create the scale support by bolting the acrylic platform to the two aluminium extrusion.



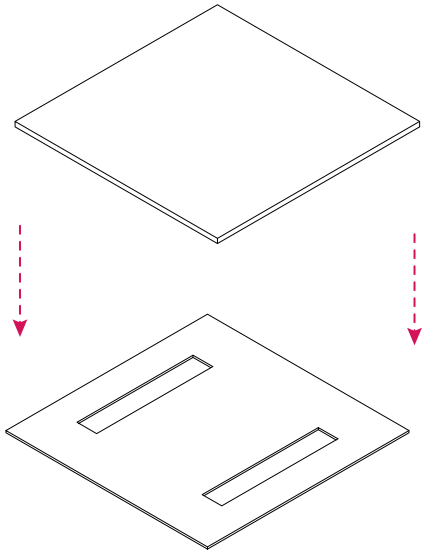
2. Remove the metal weighing pan from the scale and insert the 3D printed nest holders. This allows for direct attachment of the nest to the scale ensuring its stability.



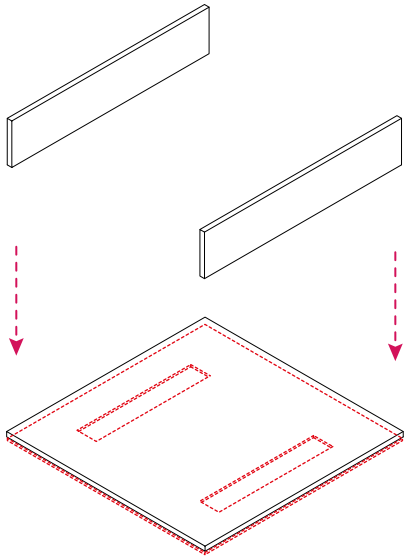
3. Drill two holes in each aluminium extrusion and using 4 acrylic spacers, bolt the scale to the bottom of the metal framework as shown.



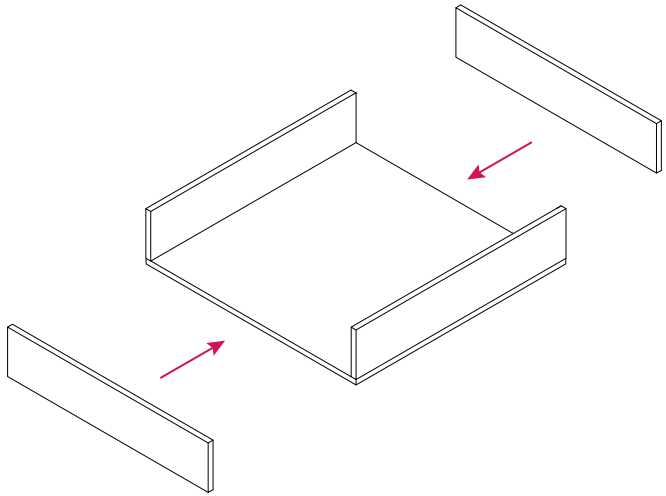
4. Using chloroform, bond the 2 white acrylic bottom pieces, one of which will slot into the 3D printed nest holders.



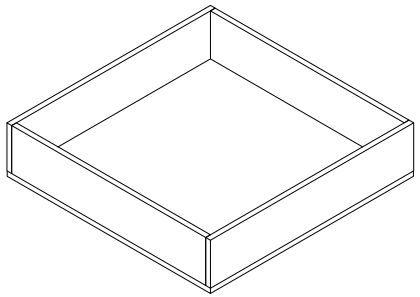
5. Attach the red acrylic sides to the nest bottom.



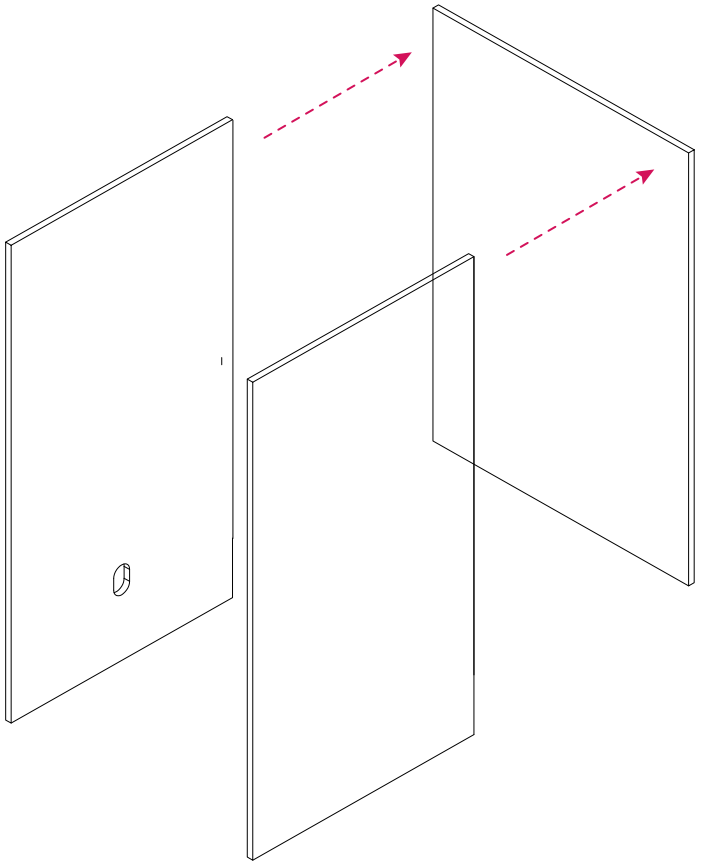
6. Attach front (red) and back (white) to the nest bottom.



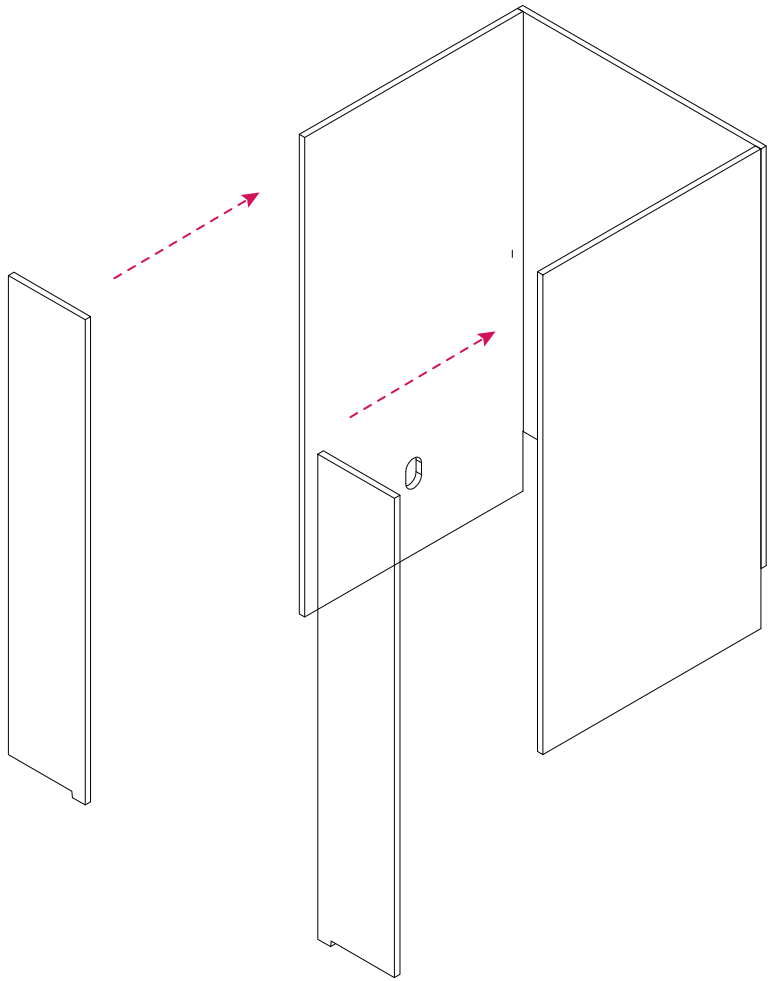
7. The base of the nest will sit directly onto the scale by slotting onto the nest holders. This area will be filled with nesting material and enrichment, like chew sticks, during the experiments.



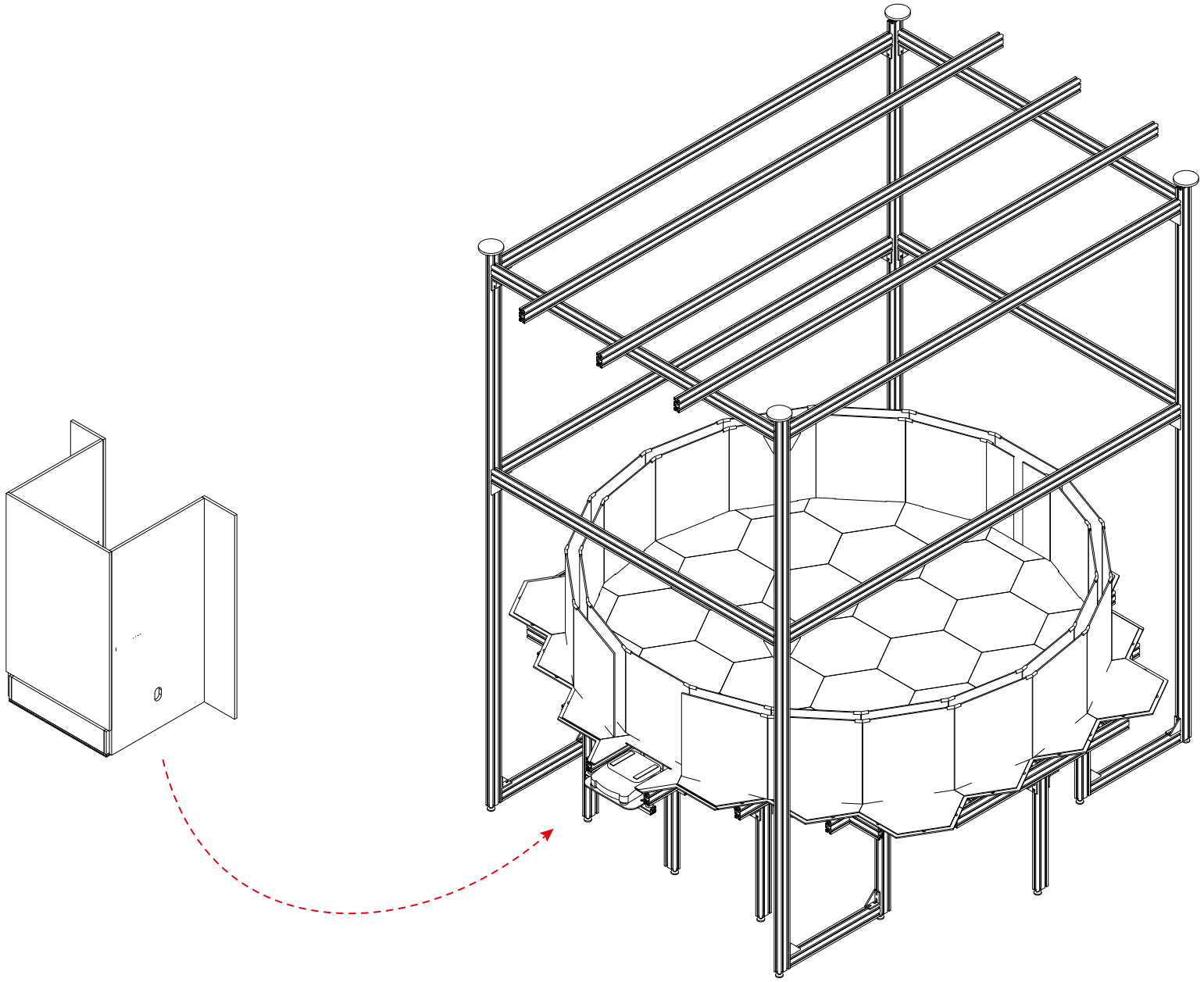
8. Attach the back acrylic wall (white) to the wall sides (red).
One of the side has an opening for the water bottle spout.



9. Attach the nest outer walls (red), this will be continuos with the habitat outer walls.

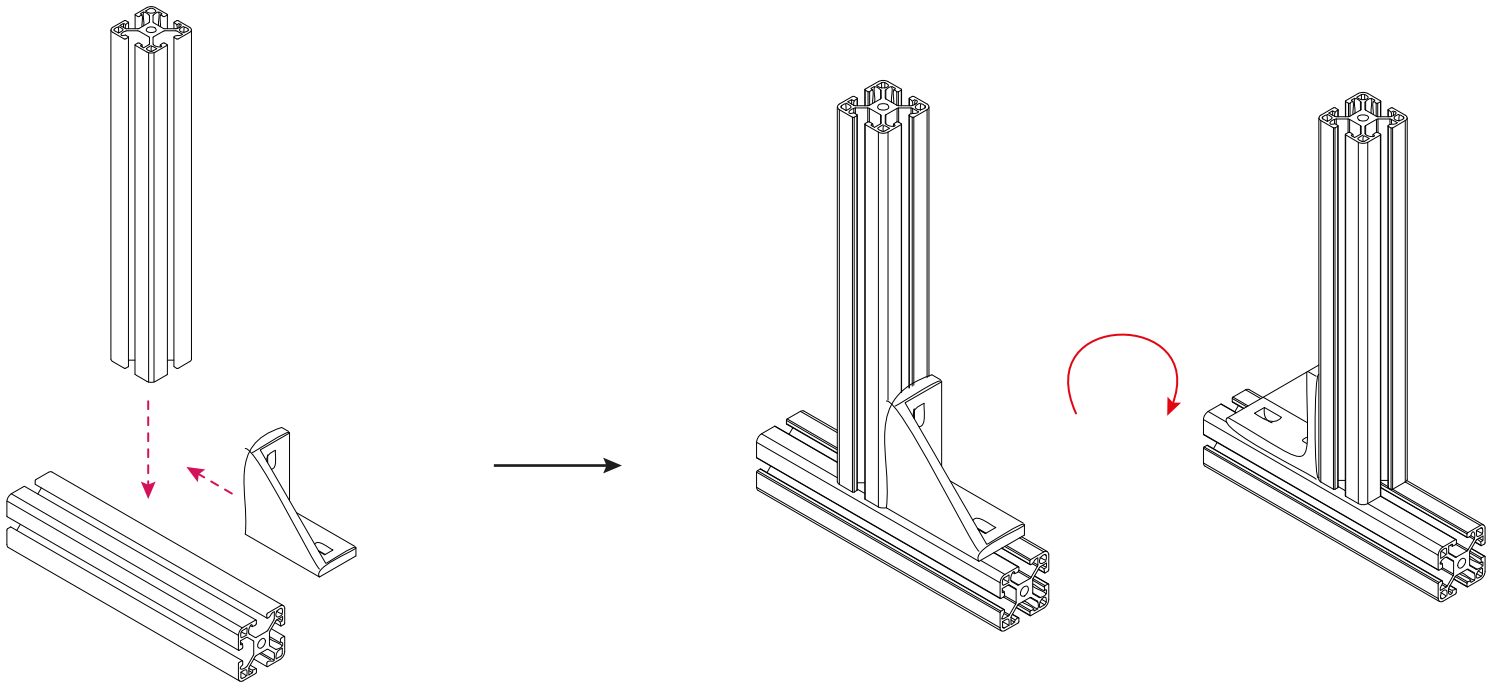


10. Position the best base and walls onto the habitat, above the scale. The base of the nest sits directly on the scale held by the 3d printed holders while the walls sit and connect to the habitat walls.

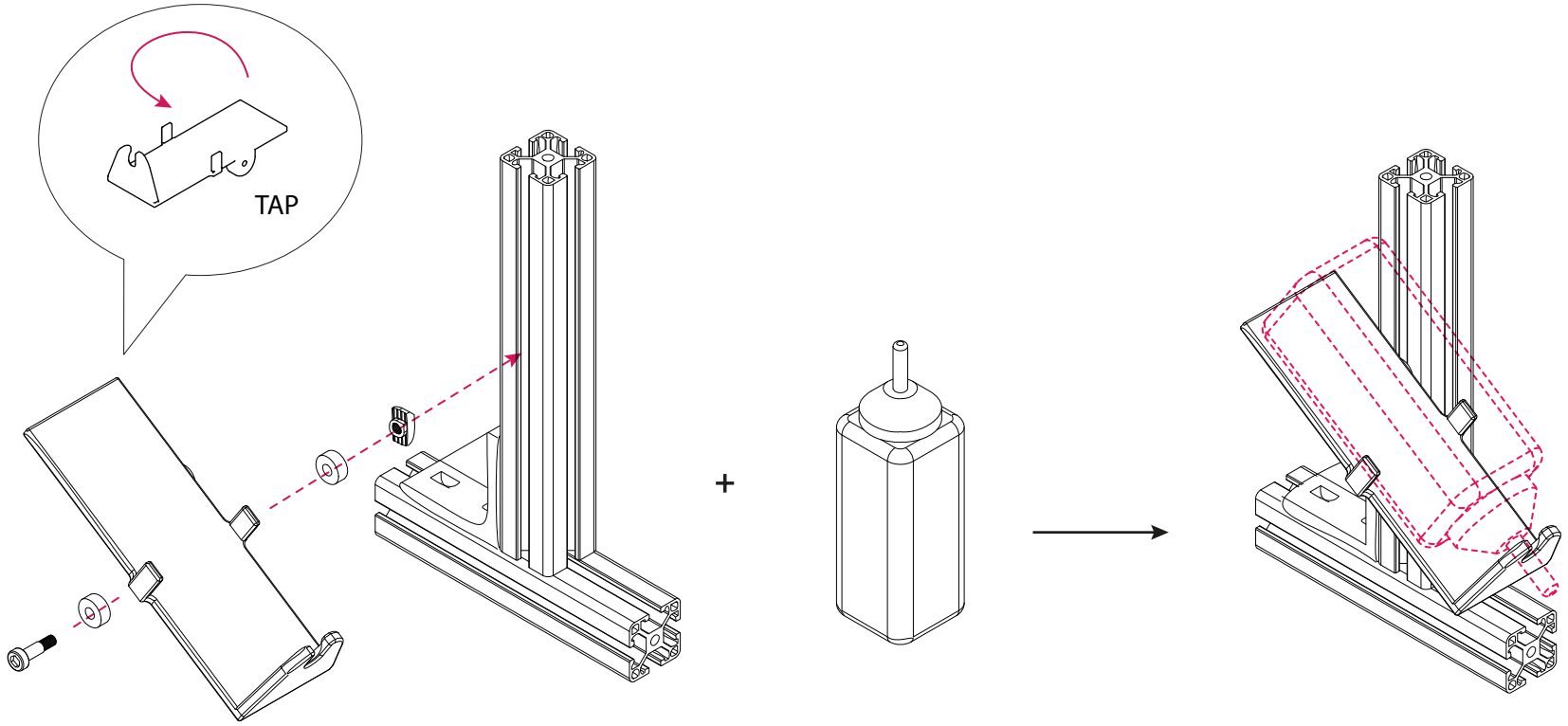


NOTE: keep the nest base clear from walls and tiles to avoid unstable scale readings.

11. Assemble a T shape aluminium extrusions support for the water bottle.



12. Connect the 3D printed water holder bottle to the support.



13. Bolt the water bottle holder on the side of the nest using angle brackets. Adjust its inclination to fit the spout into the side wall opening. To prevent unstable scale readings, ensure that the spout does not come into contact with the acrylic.