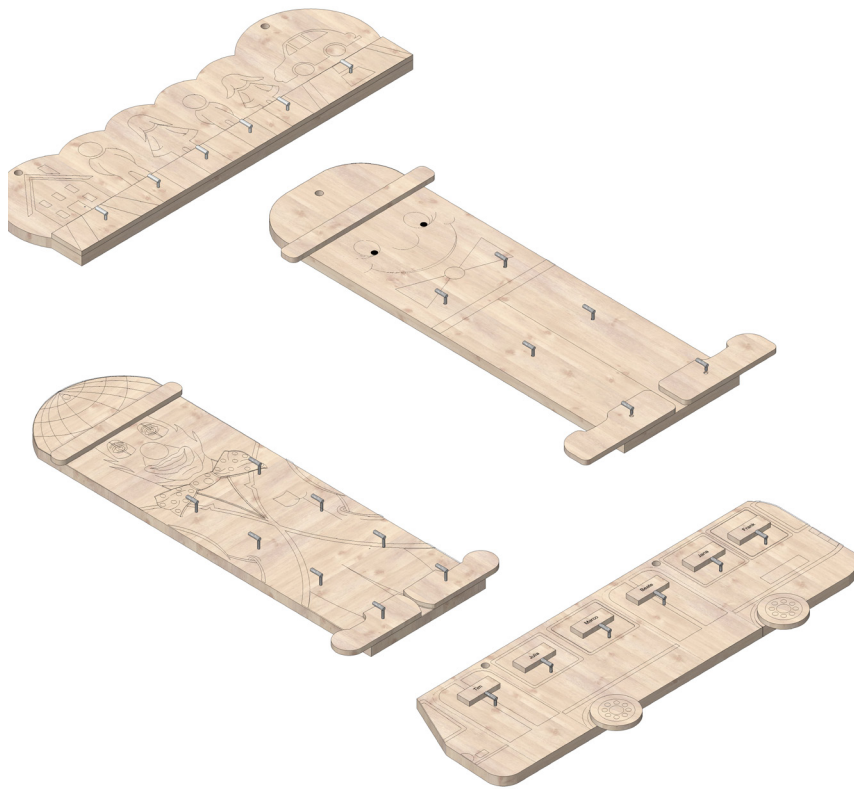
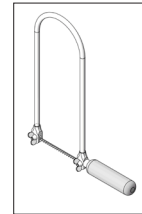


104427 Key Hooks



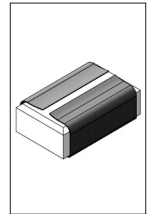
Required Tools:



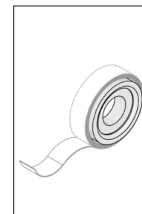
fretsaw



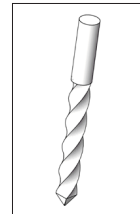
pricking awl



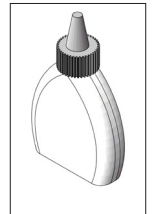
sandpaper



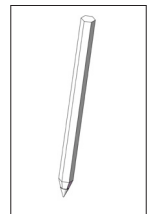
adhesive tape



drill Ø 3 mm



wood glue



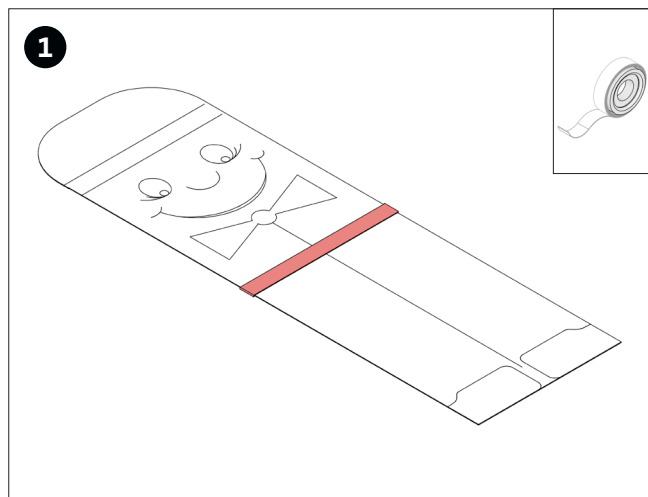
pencil

Please Note

The Opitec Range of projects is not intended as play toys for young children. They are teaching aids for young people learning the skills of craft, design and technology. These projects should only be undertaken and operated with the guidance of a fully qualified adult. The finished projects are not suitable to give to children under 3 years old. Some parts can be swallowed. Danger of suffocation!

Parts List	Quantity	Size (mm)	Designation	Parts No.
plywood	1	360 x 110 x 8 mm	body	1
plywood	1	320 x 30 x 4 mm	decoration (shoes, hat, wheels)	2
screw hooks	2	20 mm	key hanger	3

Building Instruction 104.427
Key Hooks



Select motif (bus, butterfly, family or clown). Then glue the selected motif together at the glue tabs.

Note: The motifs are just a suggestion. Own motifs can also be used!



Transfer the motif to the plywood (1). Transfer all curves, position of the parts to be glued, contours and centres for the screw hooks + holes. Note: Use a ballpoint pen to press the contours firmly through. Then use a pencil to connect your markings and draw the contours completely.

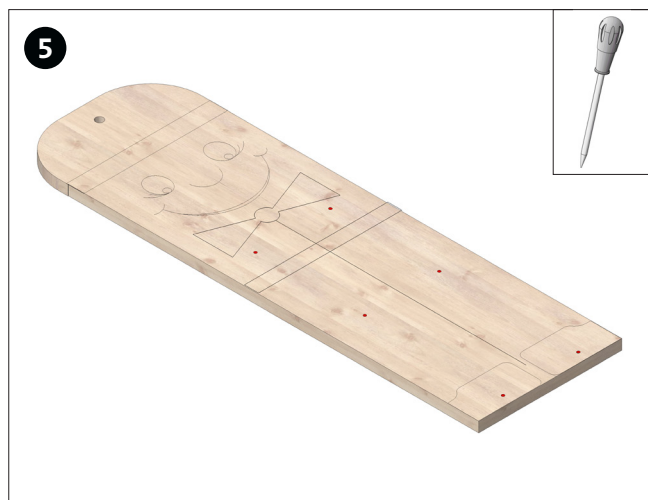


Saw out the base board with a fretsaw and sand cleanly.

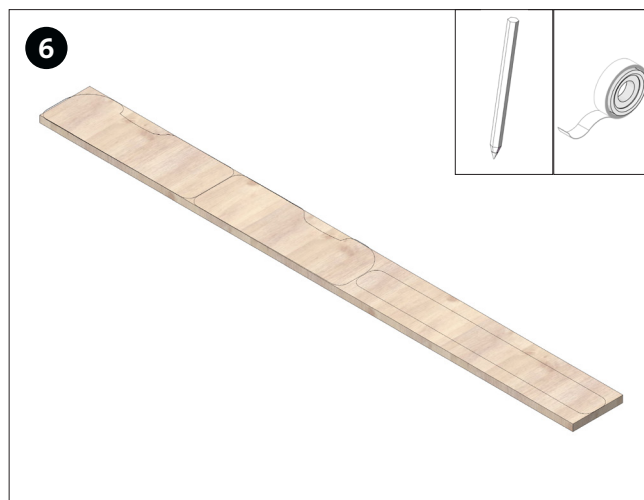


Drill Ø 6 mm hole(s) to hang up the key board.

Note: Used for fixing with screws.



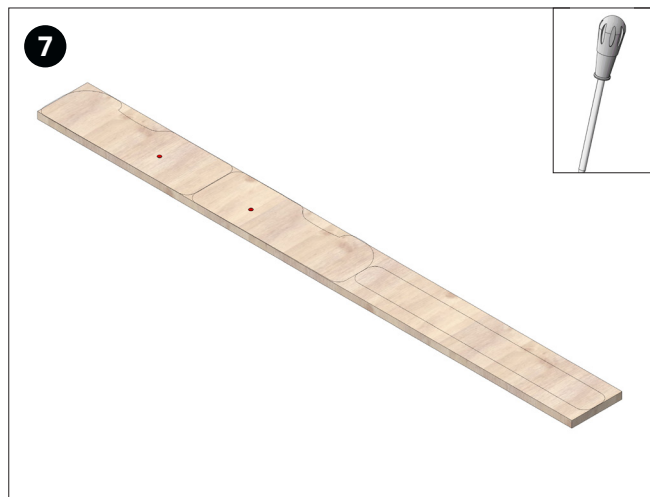
Mark the centers for the hooks with a pricking awl.



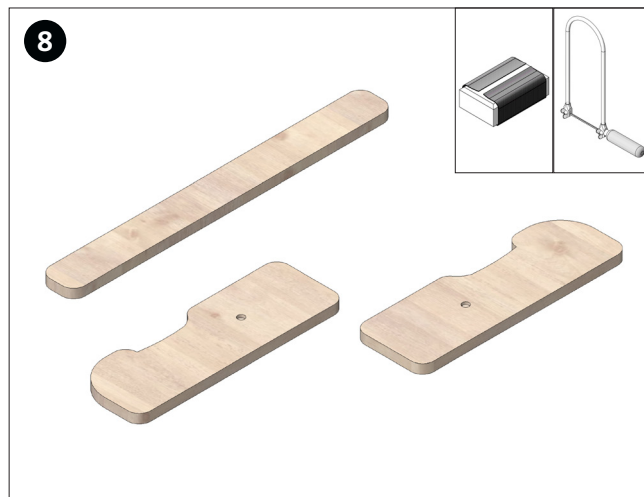
The Butler:

Transfer shoes (2x) and hat edge to the plywood strip (2).

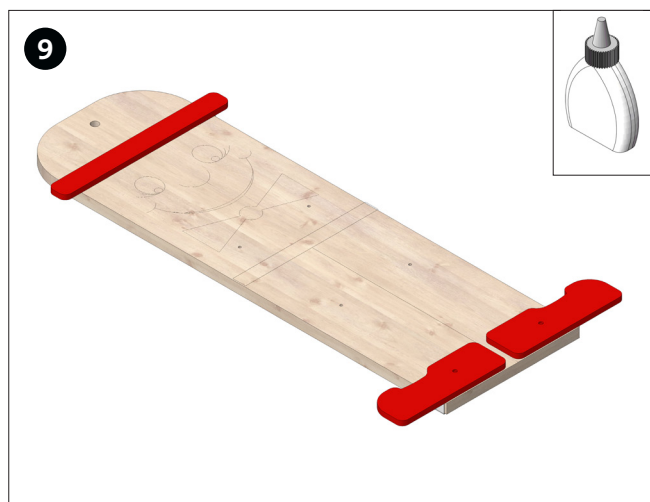
Building Instruction 104.427
Key Hooks



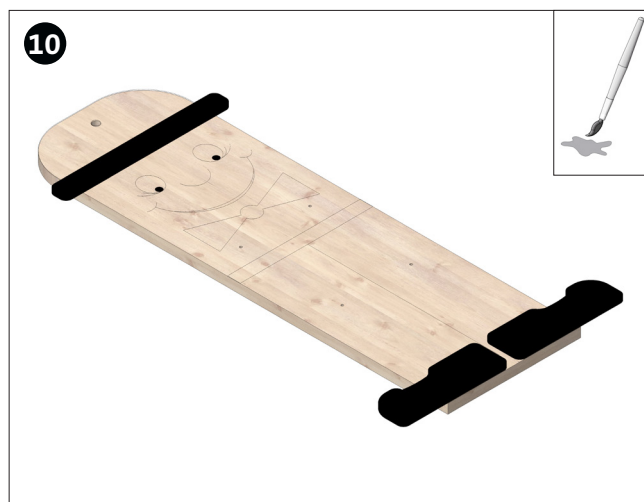
Mark center points for the screw hooks with a pricking awl.



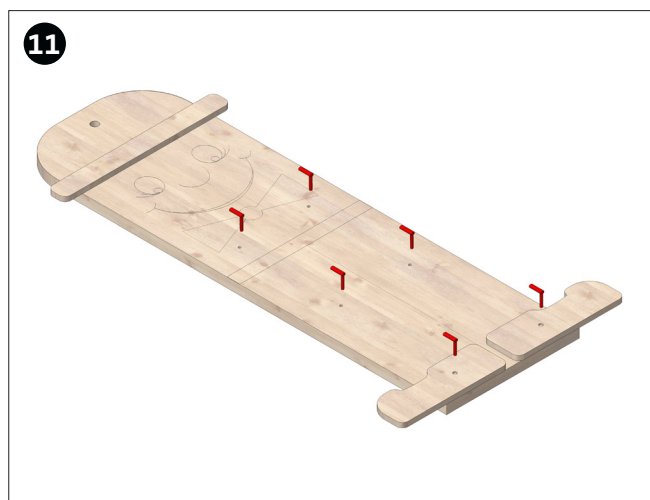
Saw and sand the shoes and the hat edge.



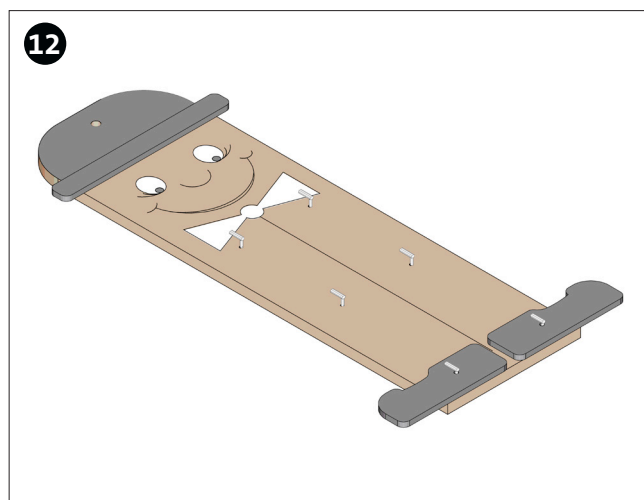
Glue parts onto the marked surfaces of the base plate.



After the glue has dried, the board can be coloured as you like.

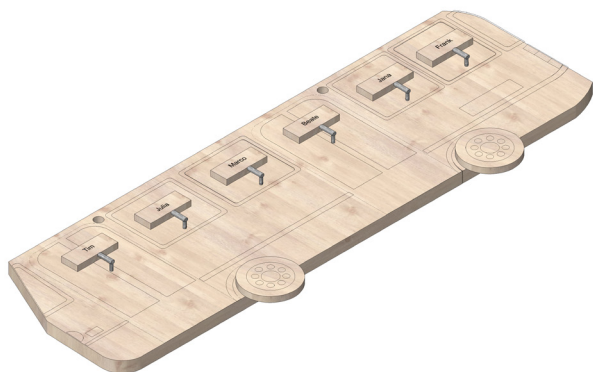


Screw in the screw hooks at the marked points.
Note: Screw in the hooks only approx. 7 mm. (If the hooks are screwed in too deeply, they may protrude out of the back and cause scratches).



Done!

13



Bus: Transfer the wheels & name tags to the plywood strip (2) and saw out. Sand saw cuts with sandpaper. Glue the parts onto the marked surfaces of the base plate.

14

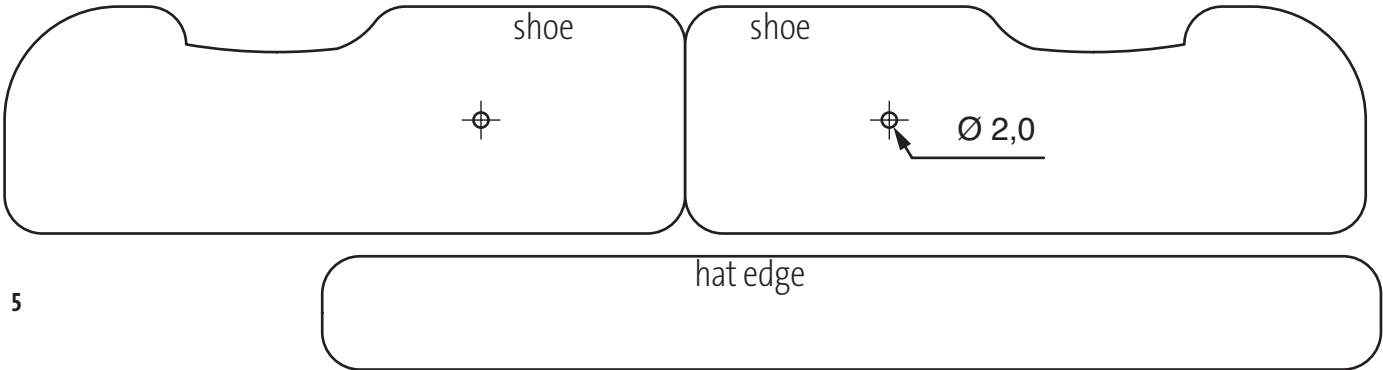
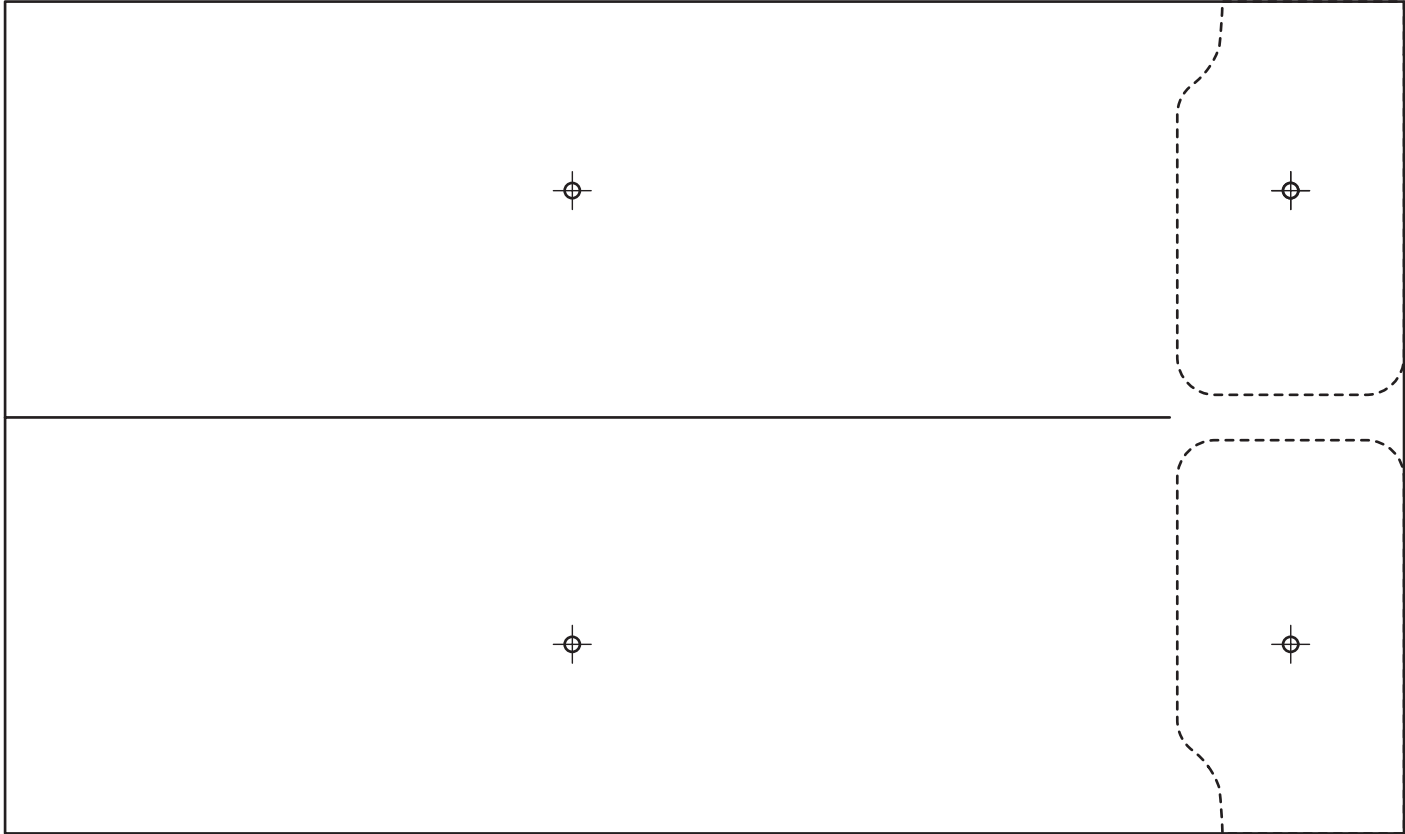
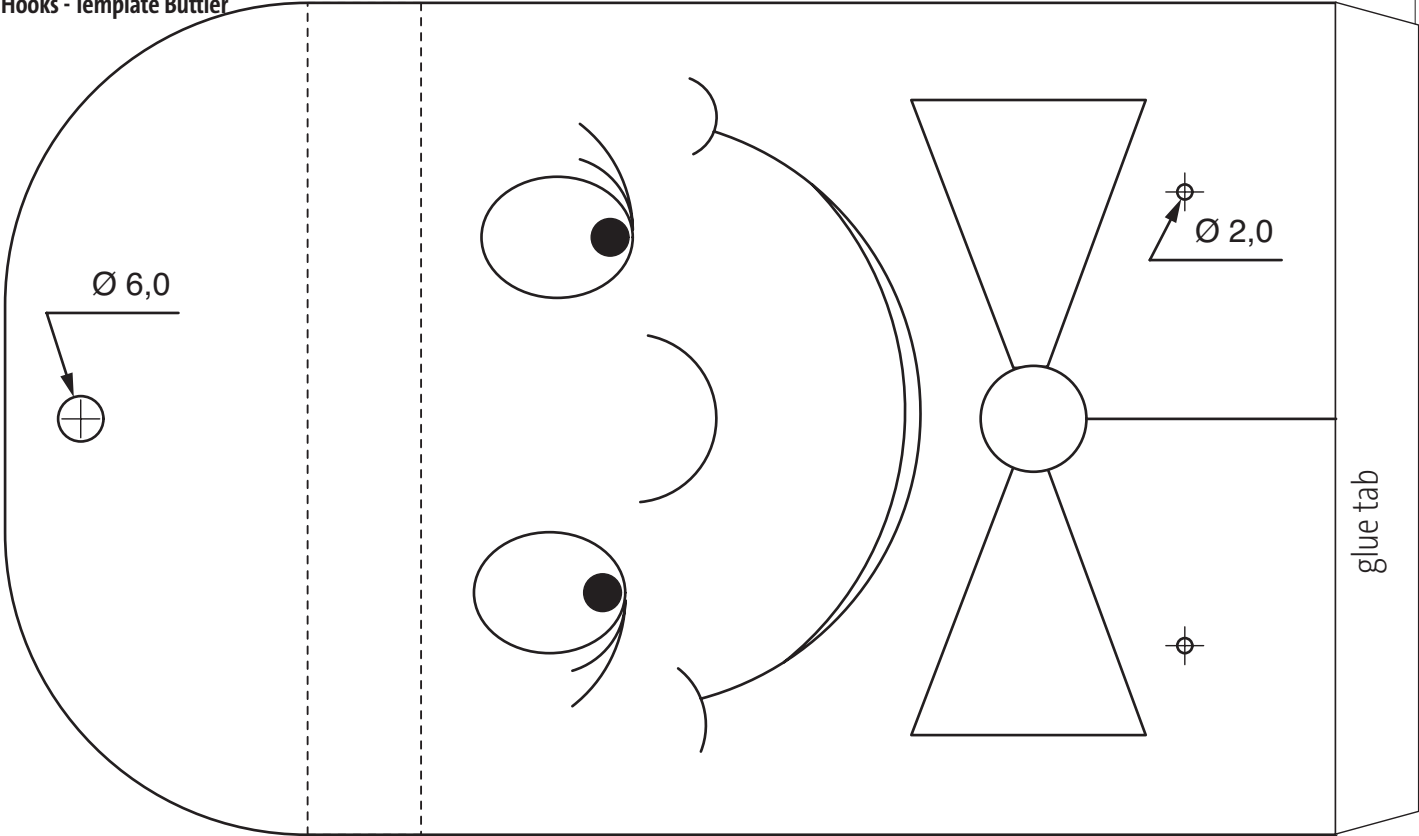


Family: Transfer contours to the plywood strip (2). Mark the centres for the screw hooks with a pricking awl. Glue the plywood strips onto the marked surfaces of the base plate.

14

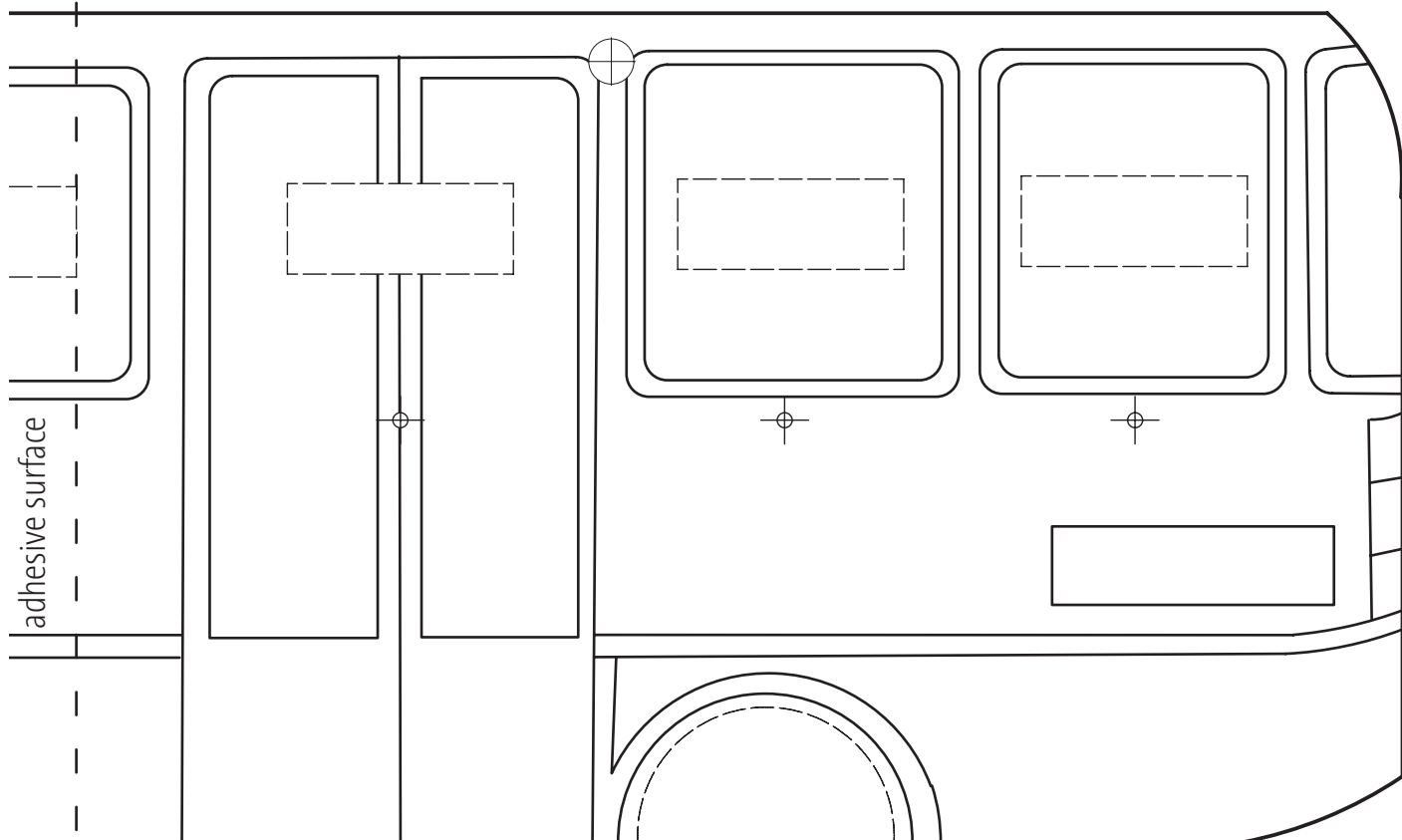
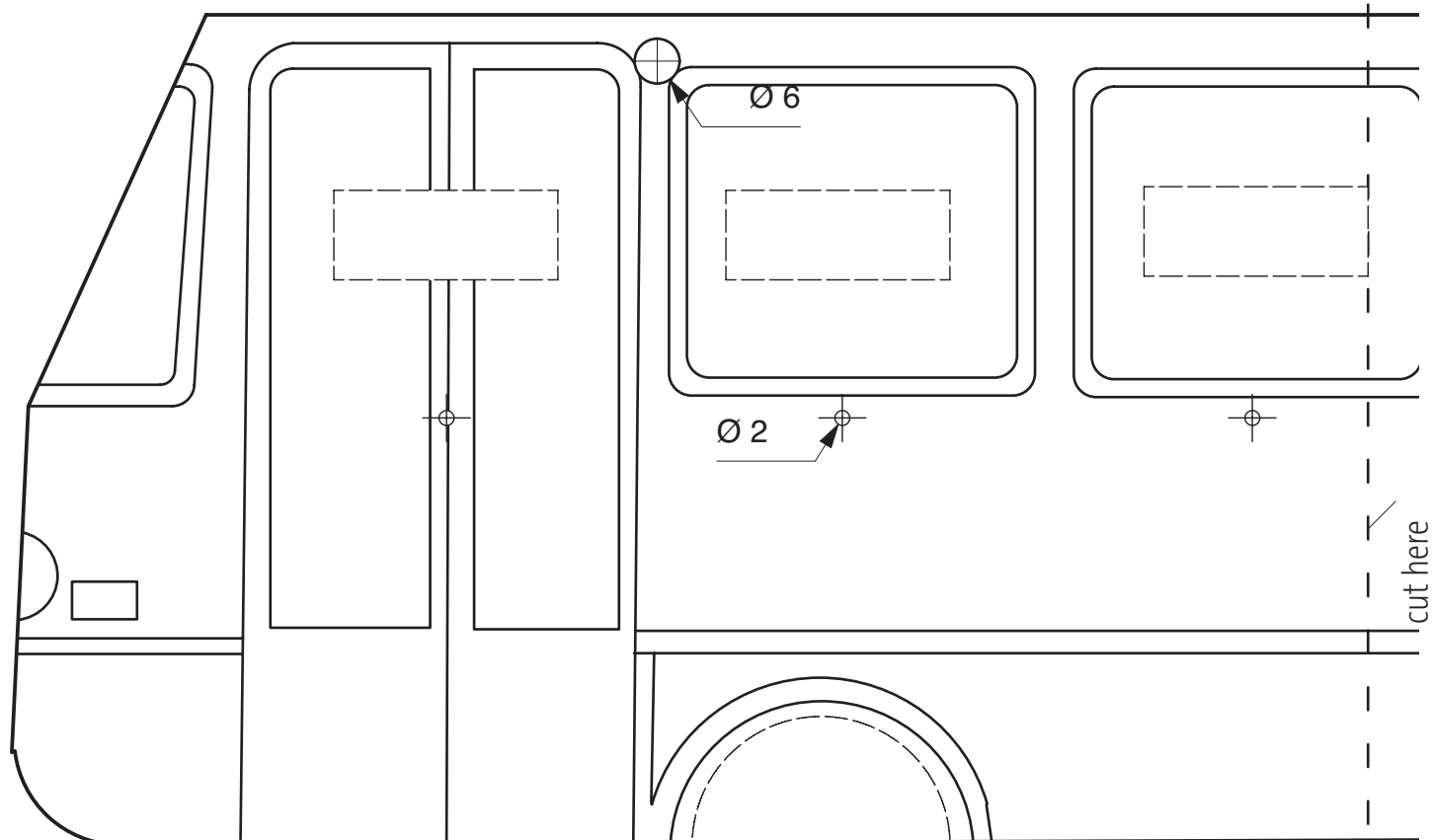
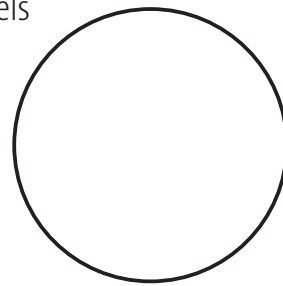
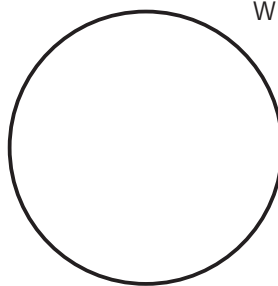
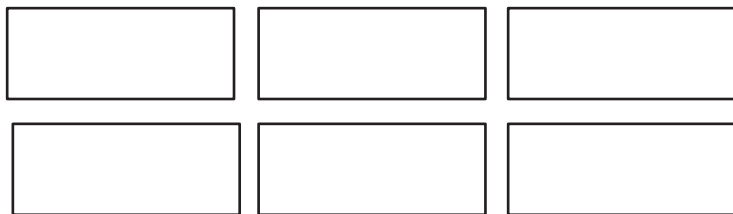


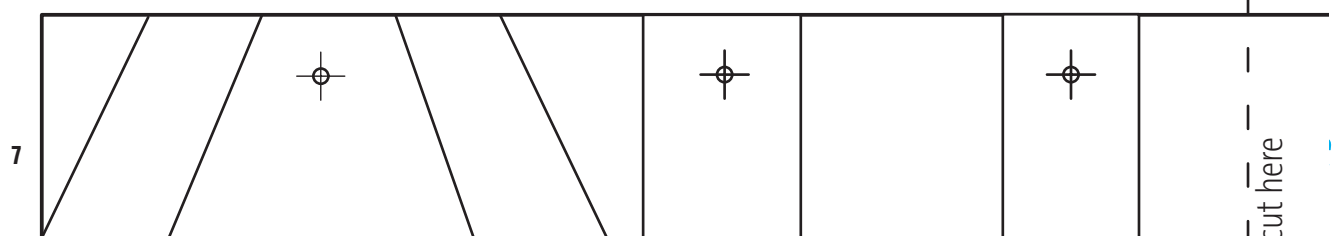
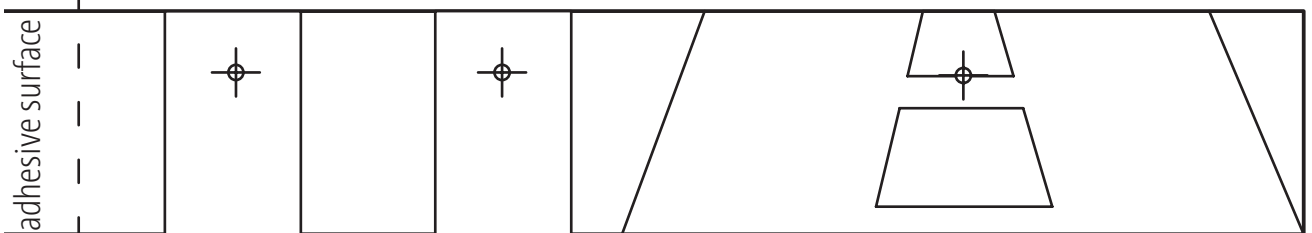
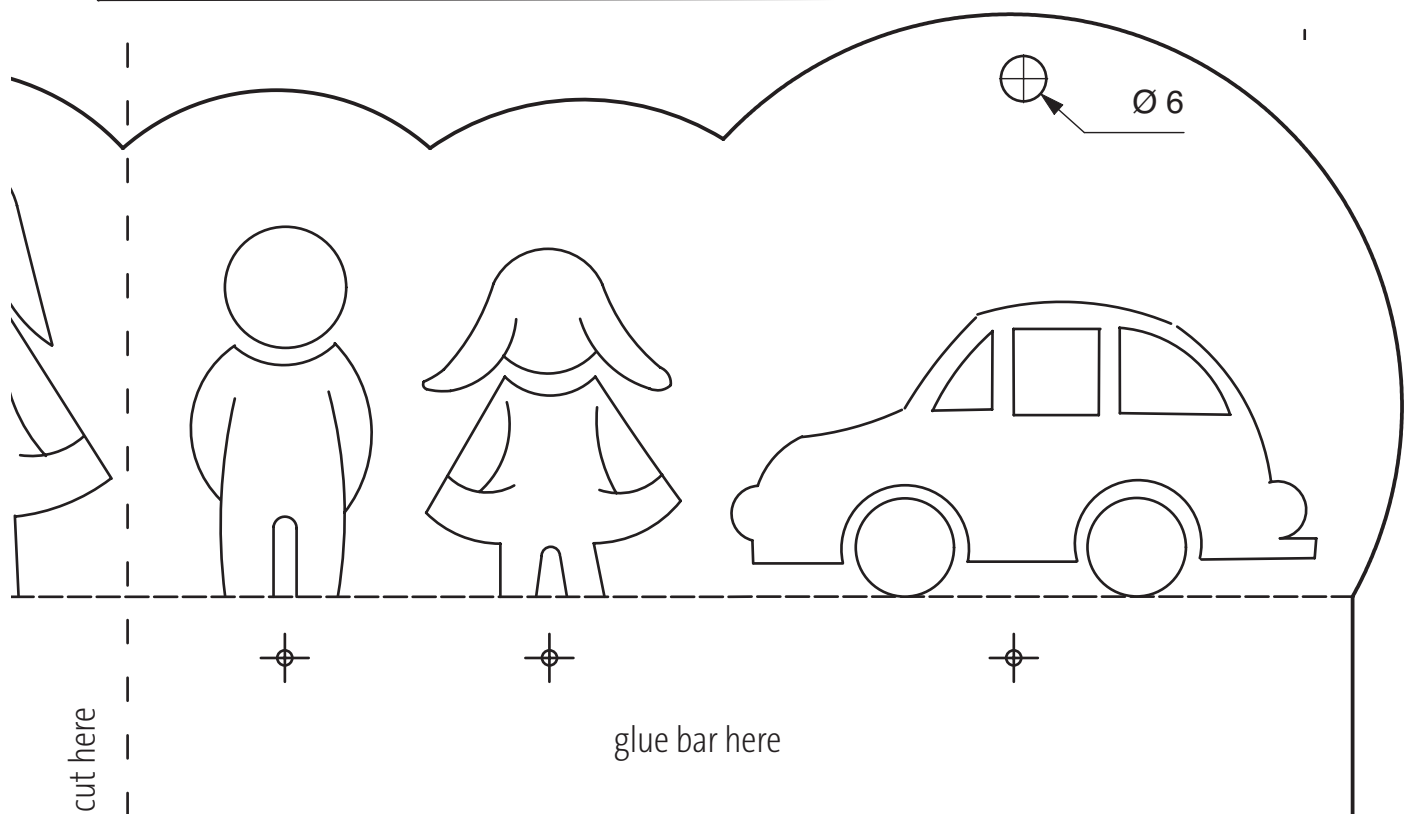
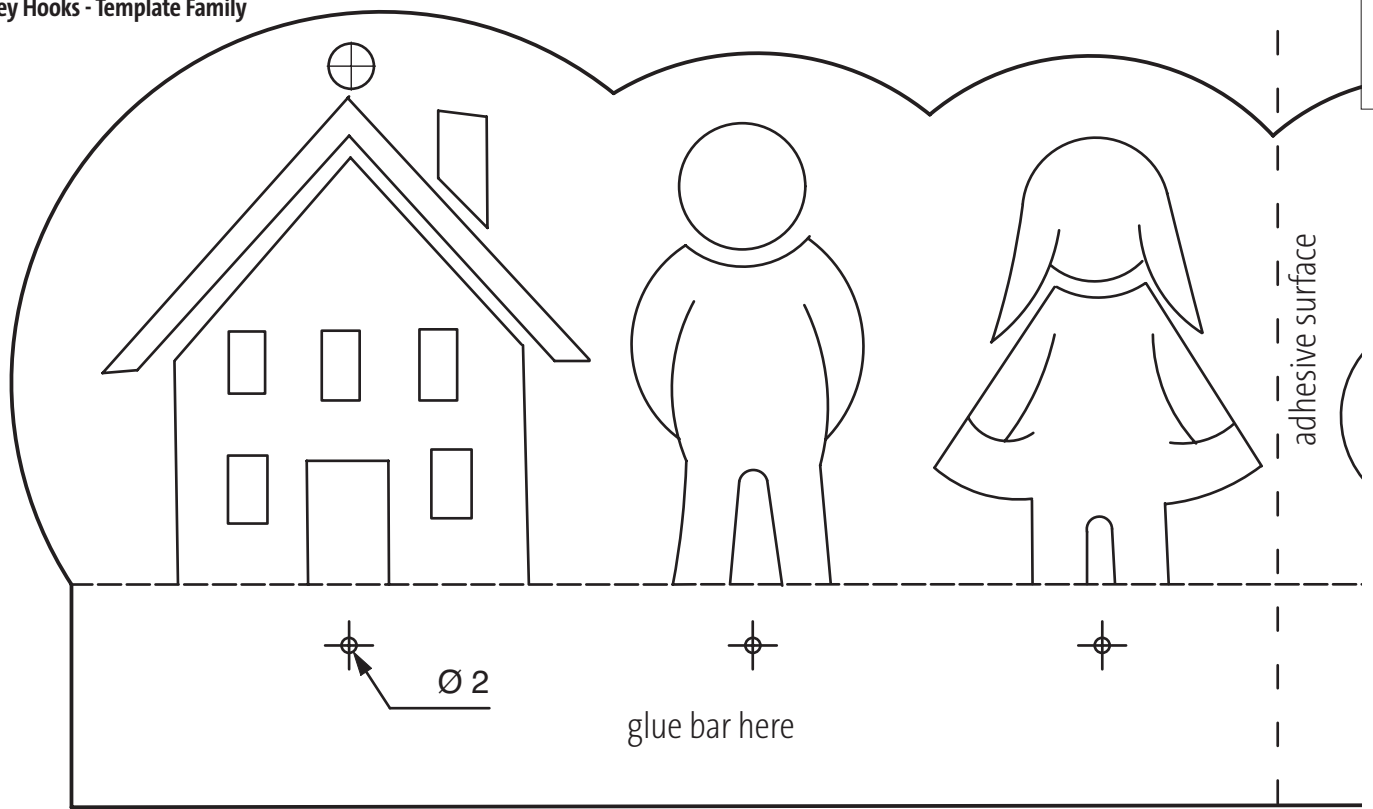
Clown: Transfer two shoes & hat edge to the plywood strip (2). Mark the centers for the screw hooks with the pricking awl. Saw out shoes and hat edge. Sand saw cuts with sandpaper. Glue the parts onto the marked surfaces of the base plate.



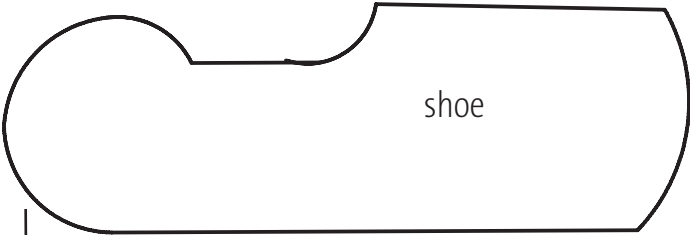
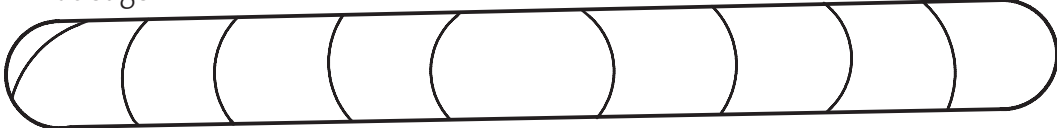
name tags

wheels

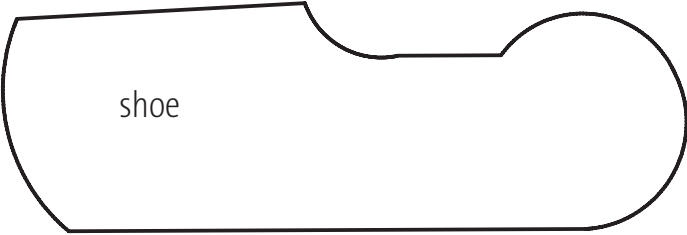




hat edge

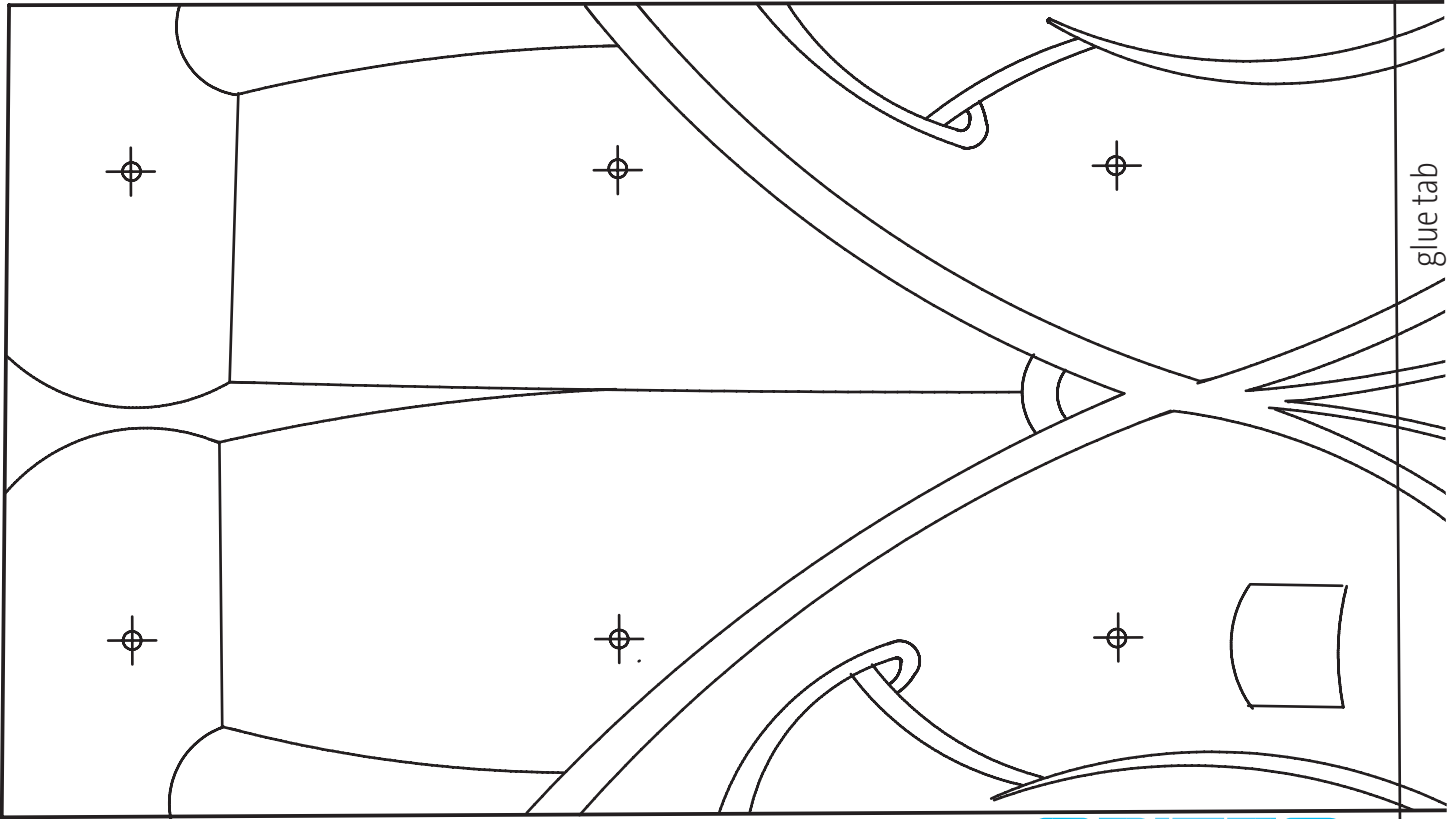
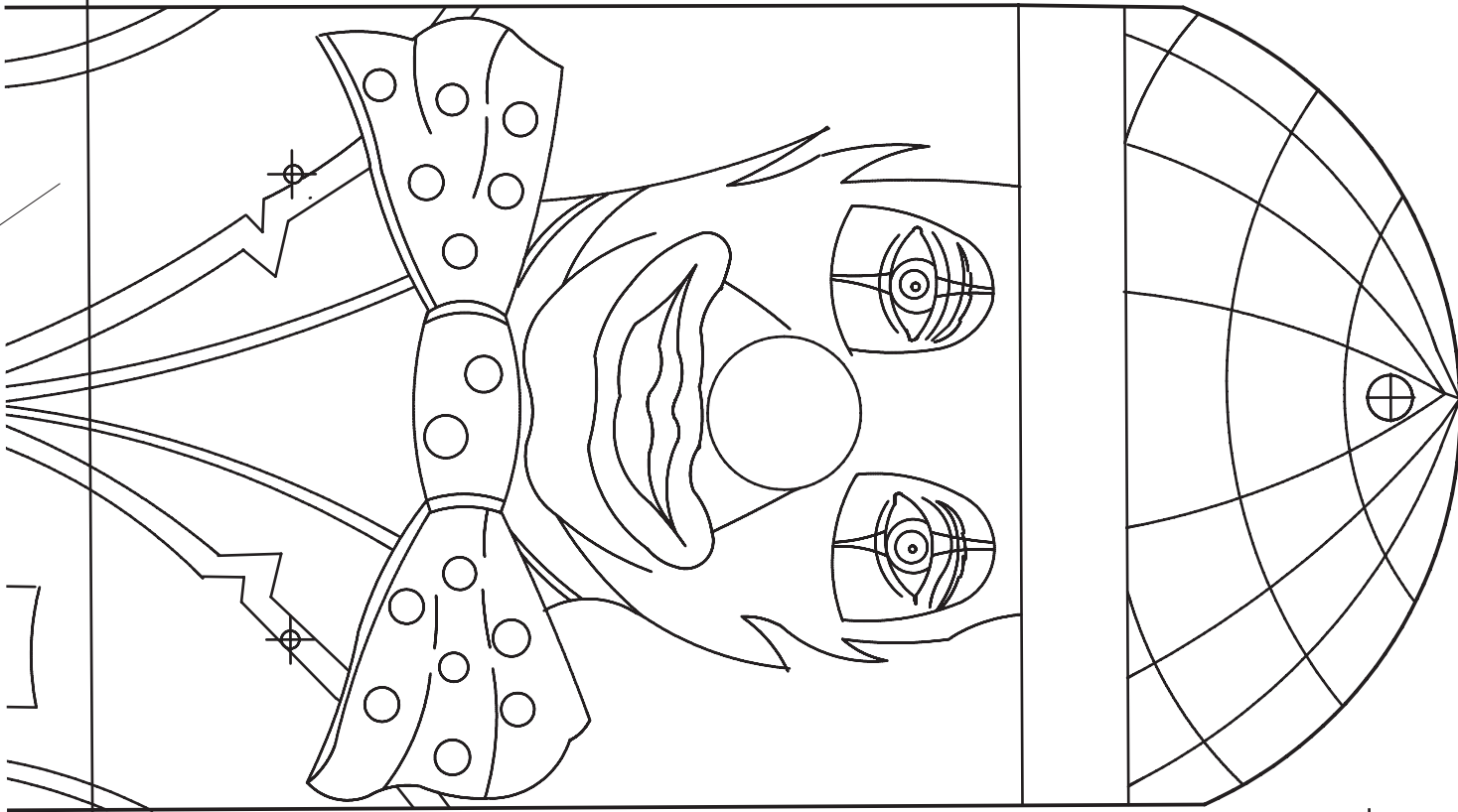


shoe



shoe

cut here



glue tab