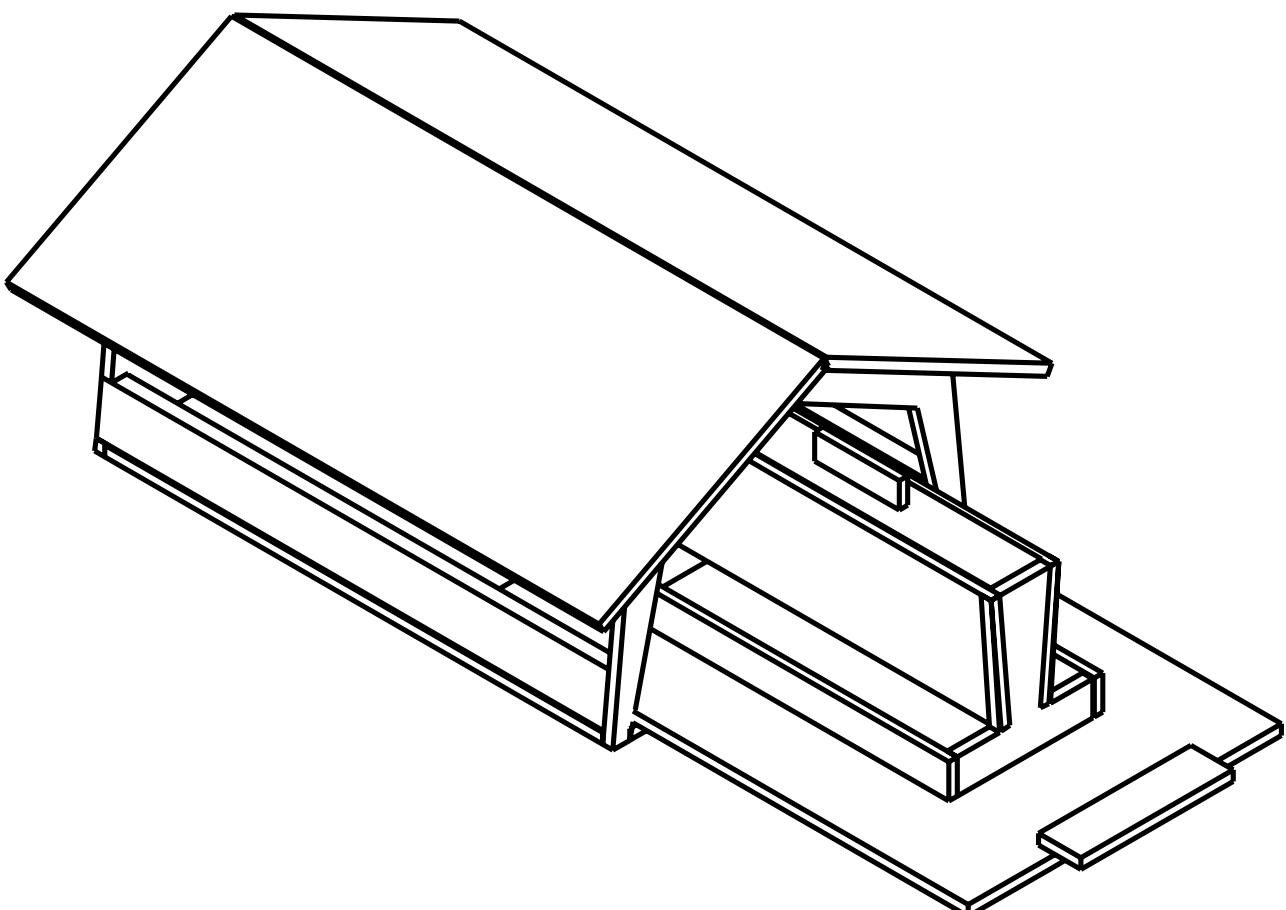


100.180  
*Bird house with  
automatic feeder*



**Contents:**

3 Plywood sheets	6 x 210 x 300 mm
2 Plywood sheets	6 x 150 x 350 mm
1 Plywood sheet	5 x 200 x 200 mm
2 Pine Strips	10 x 30 x 300 mm
2 Pine Strips	5 x 20 x 200 mm

**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 tested 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!

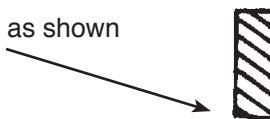
## Planning and Making

1. Mark out and saw the small rectangles 6 x 10mm on the front corners of the base (6 x 210 x 300mm) see drawing.

2. Draw out the shapes (see pattern) for the front (A) and rear end (B) of the birdhouse. From the remainder of the front panel mark and cut out the ends of the automatic feeder unit.(see dotted line drawing).

To ensure that the finished design is stable, cut out the two notches for the side strips 10 x 30 x 300mm, in the rear end (B) of the house.(see drawing)

3. Slightly chamfer the bottom of the side strips as shown



4. Glue the front / rear end panels and sides of the birdhouse to the base with a waterproof glue.

5. Fit the roof panels ( 6 x 150 x 350 ) together and chamfer the edges where they meet. Glue and pin them into position.

6. The removable tray ( 6 x 185 x 300mm ) for the automatic feeder unit is made from the plywood sheet 6 x 210 x 300mm.

7. The feeding unit:

The front / rear panels of the feeder unit(see drawing) are cut from the remainder of plywood from the front of the birdhouse. Cut the sides ( 5 x 70 x 200mm) and the lid ( 5 x 40 x 190mm ) from the ply sheet 5 x 200 x 200mm. Glue together the parts of the feeder unit and mount it in the middle of the removable tray.

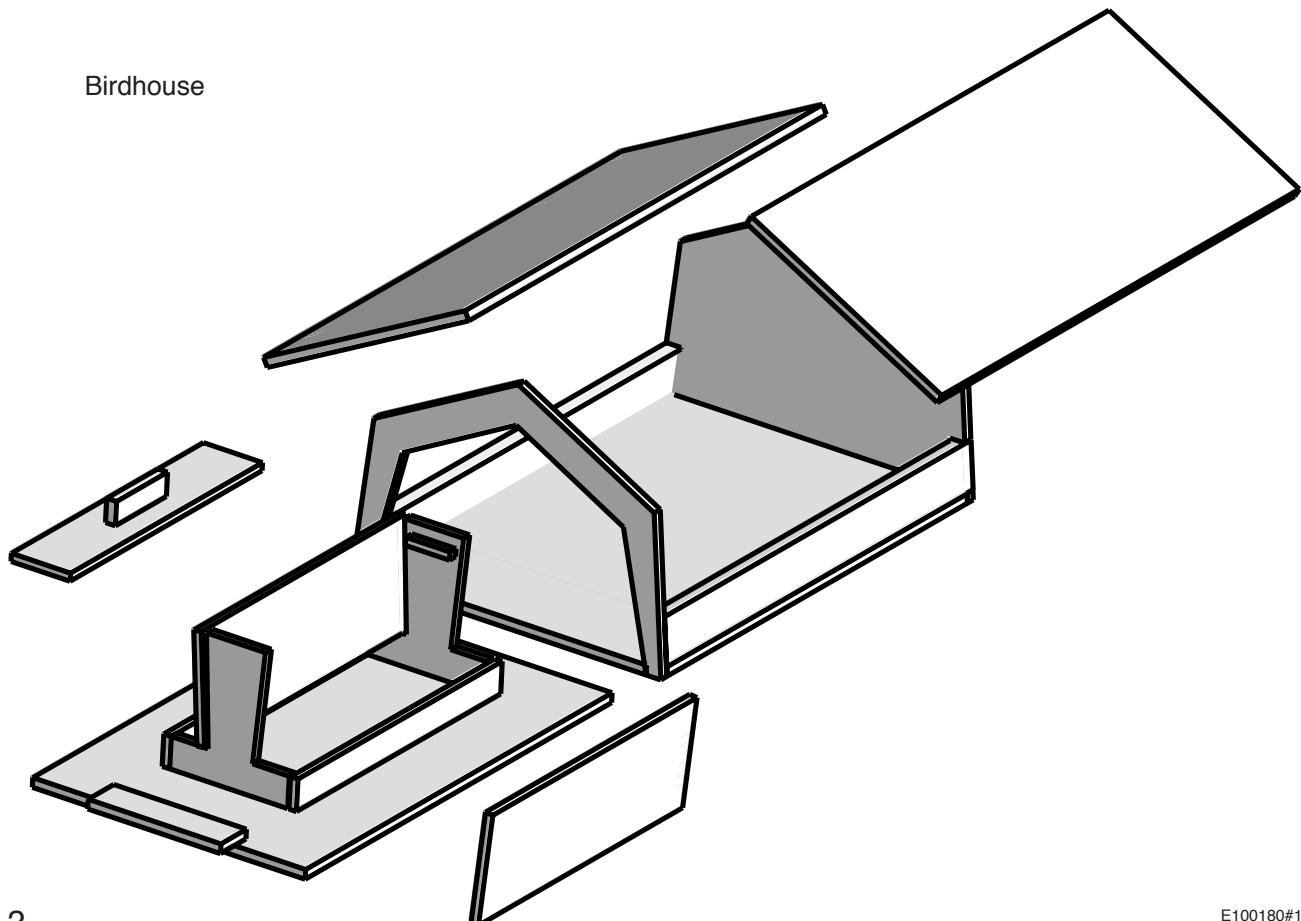
8. The lid supports are made from a piece of spare plywood. Chamfer the edges so that it will fit correctly in the top of the feeding unit. (see diagram)



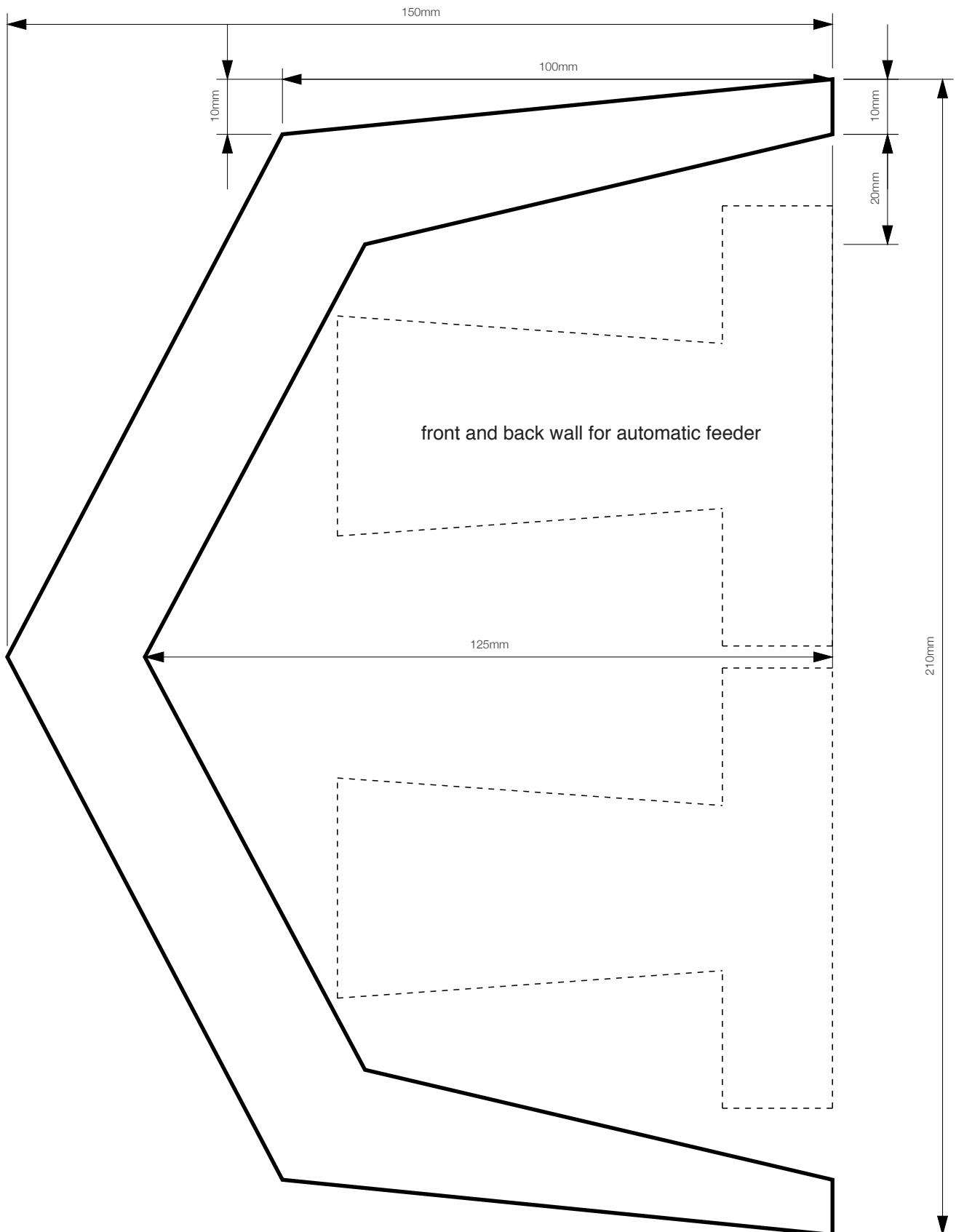
9. Design and make the grip for the tray and the feeder lid.

### Note:

Finally finish the birdhouse with a coat of clear varnish to protect it against the weather. (Clou-lack)



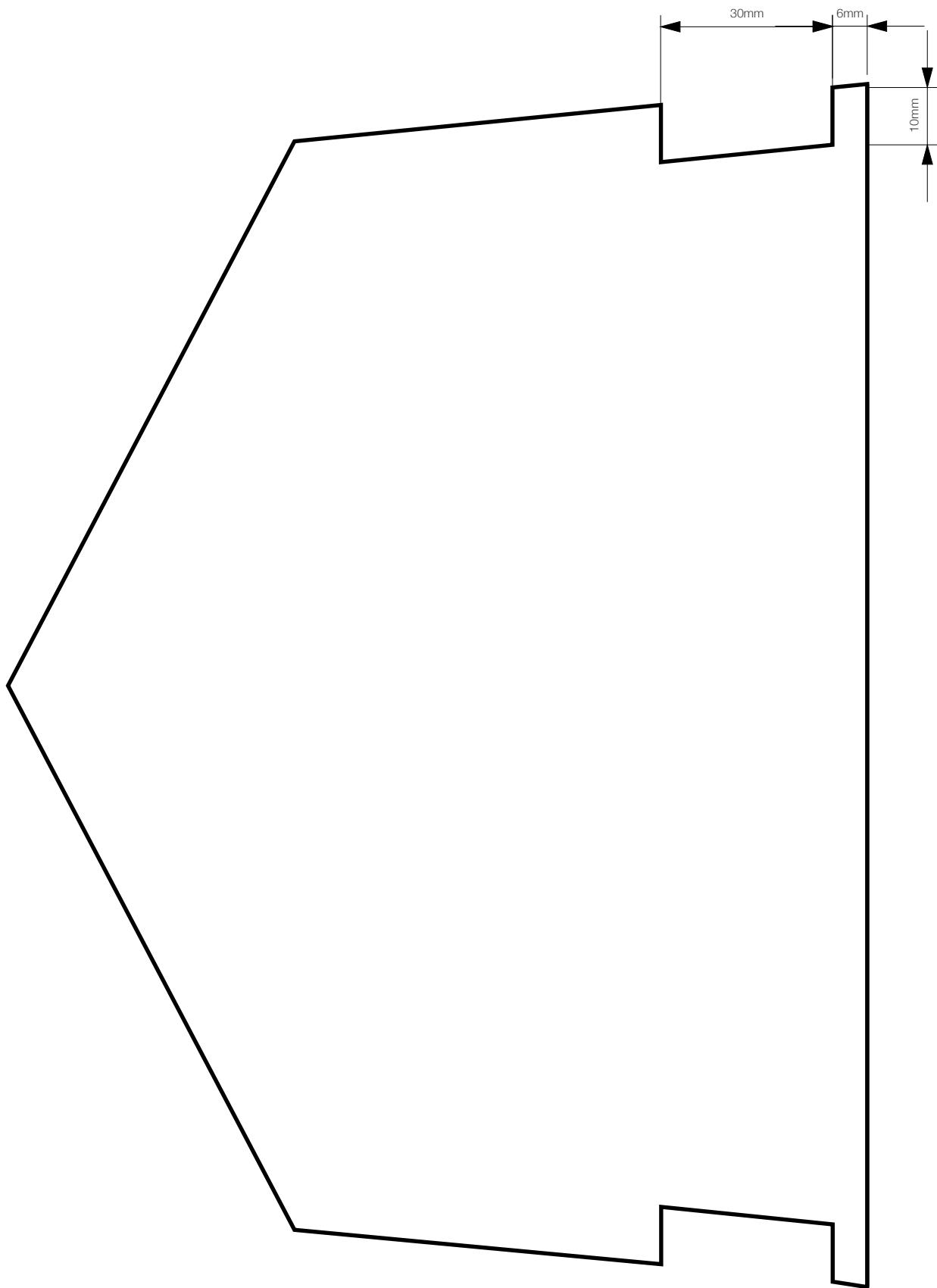
## A Front Wall



scale 1 : 1



**B Back Wall**



scale 1:1

E100180#1



## Automatic Feeter

