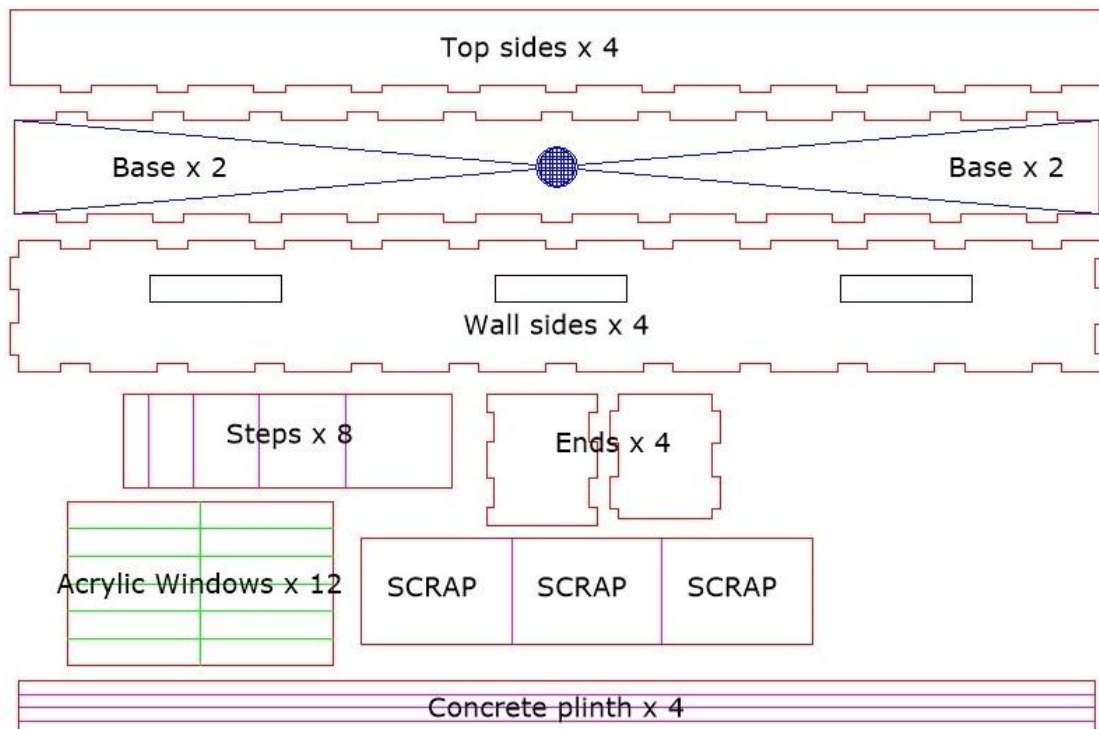


KS19-02-03 O Scale Inspection Pit with Light apertures

Instructions

Familiarise yourself with all parts before starting.

Most of the items have been cut from thin MDF using a laser. As a result, the sides have a slight chamfer on them. Where you are joining the walls together, you can lightly rub down the sides to get a nearly flat surface for butt joining.



Decide now on the number and type of pit to be constructed. The kit contains enough parts to make 2 small inspection pits or 1 large pit.

Steps



The steps are still connected together and need to be cut at each end where they butt up to each other. Use a sharp knife or snap them to separate. There are 8 sets to make 4 lots of steps.

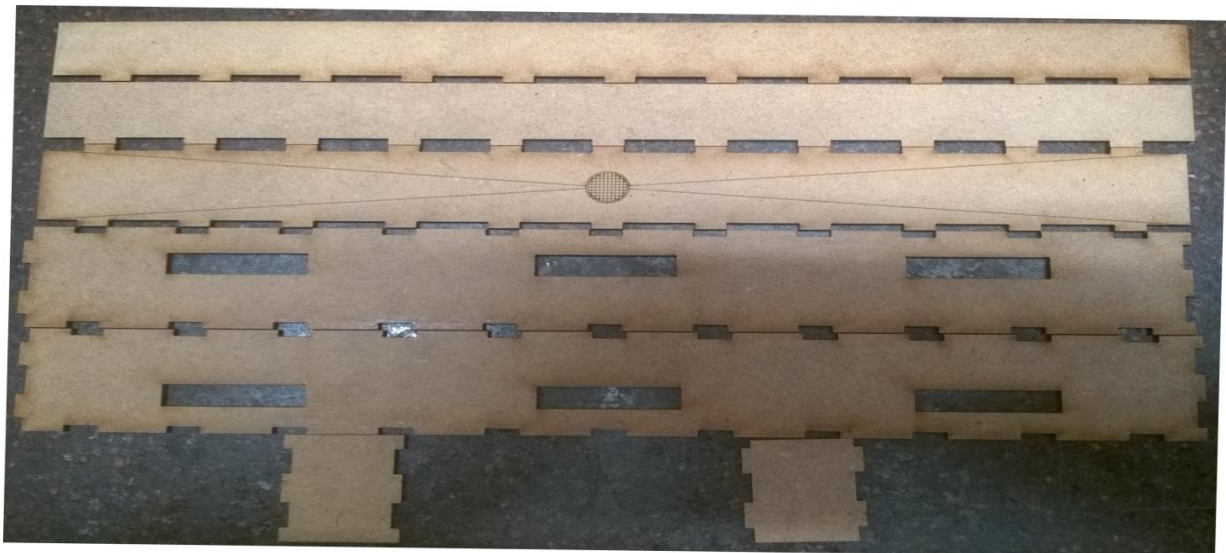
Identify all the steps. Each set of steps comprises of 5 pairs glued back to back. Glue the same size pair of individual steps together and then glue the smaller size onto the large so that you end up with a set of steps. Put aside until the glue has fully set.

It is recommended to paint all the items now EXCEPT THE TOP SIDES, before assembly.

Fit the acrylic windows into the apertures.

If building 2 single pits, follow the instructions for the Single Pit otherwise follow the instructions for the Double Pit.

Single Pit



From the view of the picture I will refer to the end of the wall shown on the left as the left side and this is where we will begin construction. Note what the end looks like before assembly.

Take one of the parts identified as Top Side and lay it at the top of the concrete wall as shown in the picture below. MAKE SURE THAT THE APERTURES FOR THE WINDOW ARE AT THE TOP.



If the right hand side of the top part is not flush with the right hand side of the wall, then flip the top side 180°. Do not glue yet as this is to identify the correct orientation of the Top side. Mark the underside so you know which side and orientation it is.

Glue the concrete side to the base and repeat for the opposite wall.

Take the end that is on the left of 2 the ends shown in the first picture and glue onto the left side of the pit. This should then create a flush fitting end. Take the other end and glue on the right

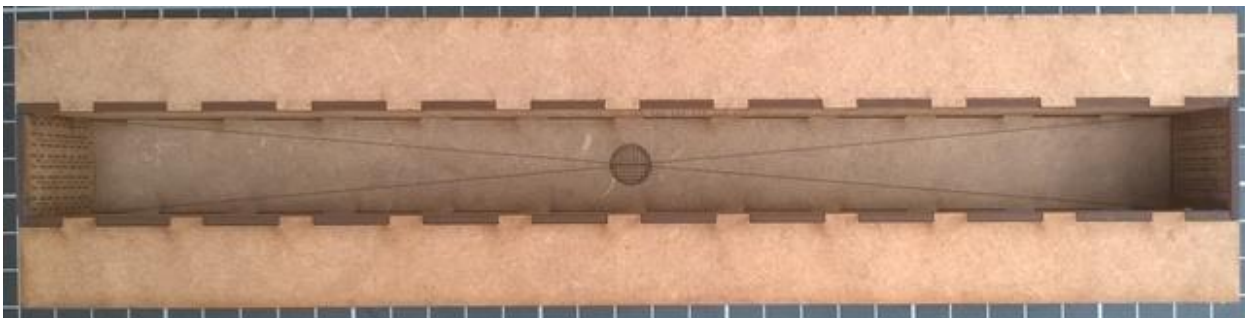
hand side. The right hand side end is different from the left hand side but still produces a flush end.

Tests fit the steps and rub down if necessary. Glue into place at each end.

Clamp all pieces firmly until the glue has set.

Verify the orientation of the Top Sides against each side of the pit. When fitted, both ends should be flush to the pit. Now paint the Top sides in the colour of choice before fitting.

Take the top sides and glue onto the top of the structure at right angles making sure that the ends of the top sides are flush at both ends of the pit. Ensure that the top sides set at 90° to the pit. Invert the structure and lay on a flat surface and apply weights to all parts to ensure it is flat.



Separate the concrete plinths. Glue one of the concrete plinths to the top of each inside of the wall. Adjust to fit before gluing in place.

Double Pit

A Double Pit is built in the same way as a Single Pit but with a slight change. Ignore the requirement to check the top sides. Ensure that you start with the same orientation as described in the Single Pit. Glue all sides to each base so that you have 2 part built pits. Glue a left end onto the left end of one of the pits. Glue a right end onto the right end of the second pit. Glue the steps at each end and allow the structure to set and to gain rigidity.

Glue the second pit to the first pit. At this point you will have a spare set of ends which will be discarded. There are also pieces marked SCRAP which can be used underneath and at the outsides of the join of the pits to help keep the structure together.

Take one of the Top Sides and test fit to the assembly. Do not glue yet. Do this for both sides of the left hand pit. They should be flush with the left end of the pit.

Take the other top side and you will find it should only fit one way with an overhang over the right end of the pit. Mark the overhang and remove (if required), so that it is then flush with the end of the pit. Repeat for the other side.

Once satisfied, mark the underside of each top side so you know which one goes where, paint and glue the top sides into place.

Glue the concrete plinths to the top of each side of the wall. Adjust to fit before gluing in place.