

## Leek & Manifold Light Railway Waiting Shelter

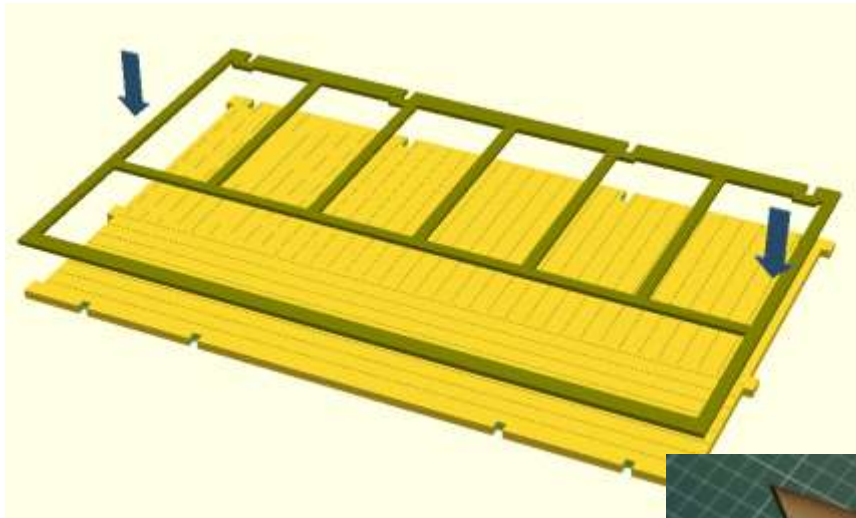
This kit is a scale model of the waiting shelters provided by the Leek and Manifold Valley Light Railway at all their intermediate stations. These buildings were purchased in kit form from the Portable Building Co Ltd of Fleetwood in 1904. These shelters were of a timber framed construction with zinc sheet roofs and cost £40 each.



Most of this kit is laser cut Birch plywood. This is moderately water resistant but with a reasonably amount of painting or varnishing should prove rain resistant if not left outside all winter. We do however recommend using water proof PVA wood working glue (e.g. Evostick in the blue bottles) to glue the plywood parts together.

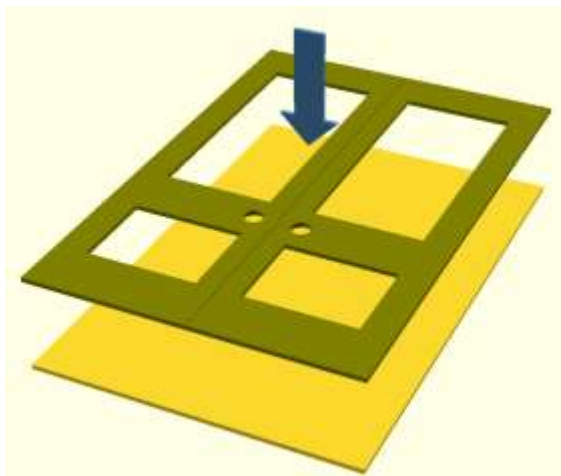
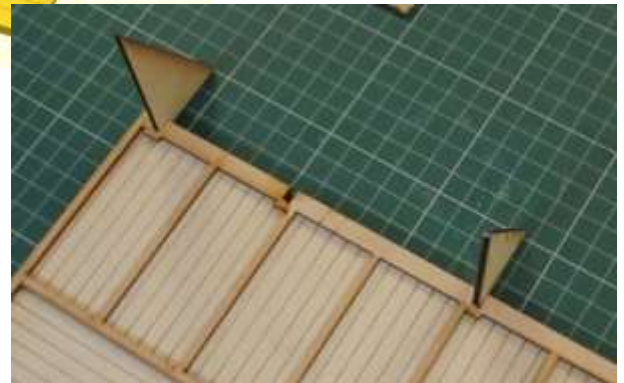
The window parts and roof overlay are laser cut polypropylene. These are totally weather proof but can be more difficult to glue. We recommend Hafix industrial glue (this is a pressure cured adhesive) or a contact adhesive (e.g. UHU or Bostik) *but do follow their instructions properly.*

1) Glue the back overlay (1.5 mm ply) onto the back wall (3 mm ply). The top and bottom edges should be flush and the side edges should overlay the locating lugs on the wall sides. Clean off any



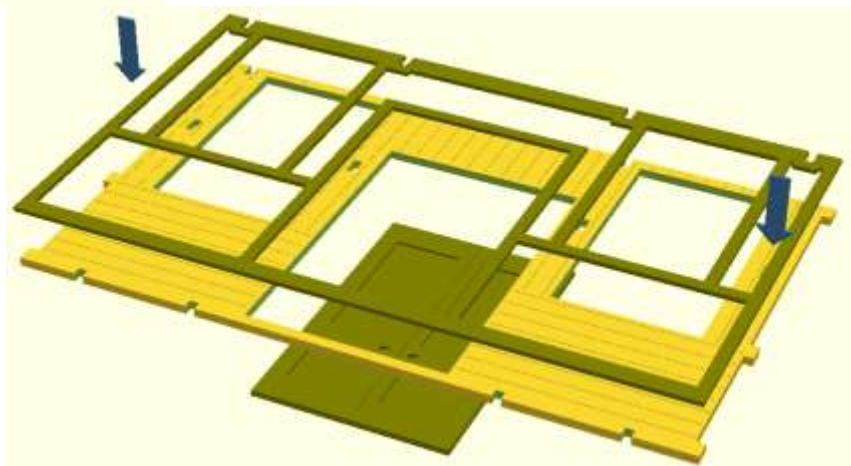
glue that oozes onto the front face or onto the side edges. Place something flat and heavy on top of the assembly and wait for the glue to set

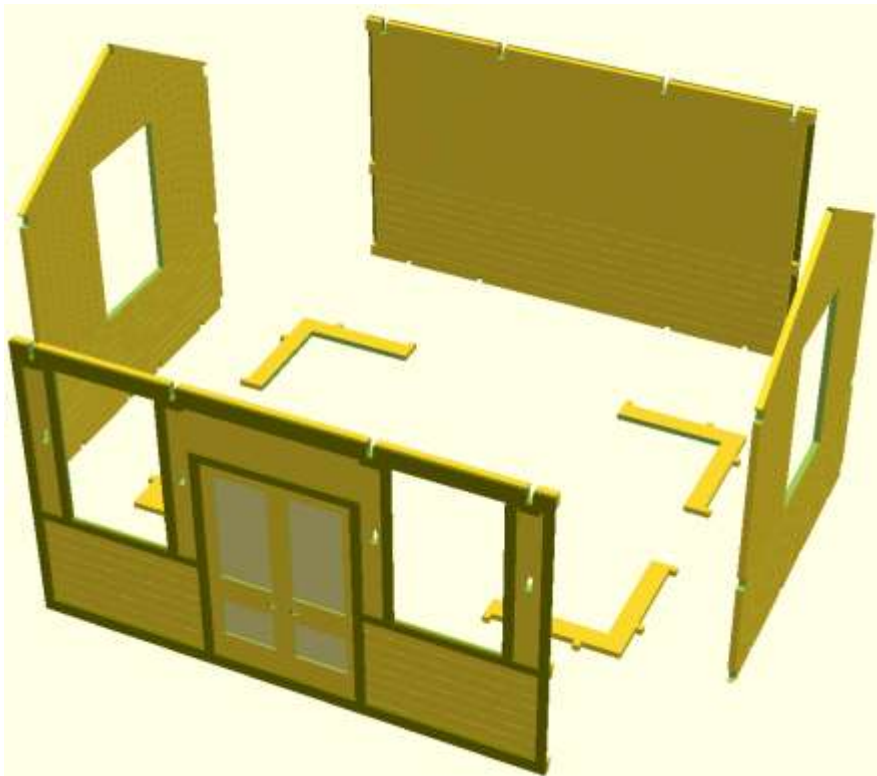
TIP: Temporarily push a couple of scraps of 3 mm ply into the slots to help align the parts.



2) Glue the door overlay (1.5mm ply) onto the door back (1.5 mm ply) making sure all edges are flush. Again place under a flat weight and allow glue to set

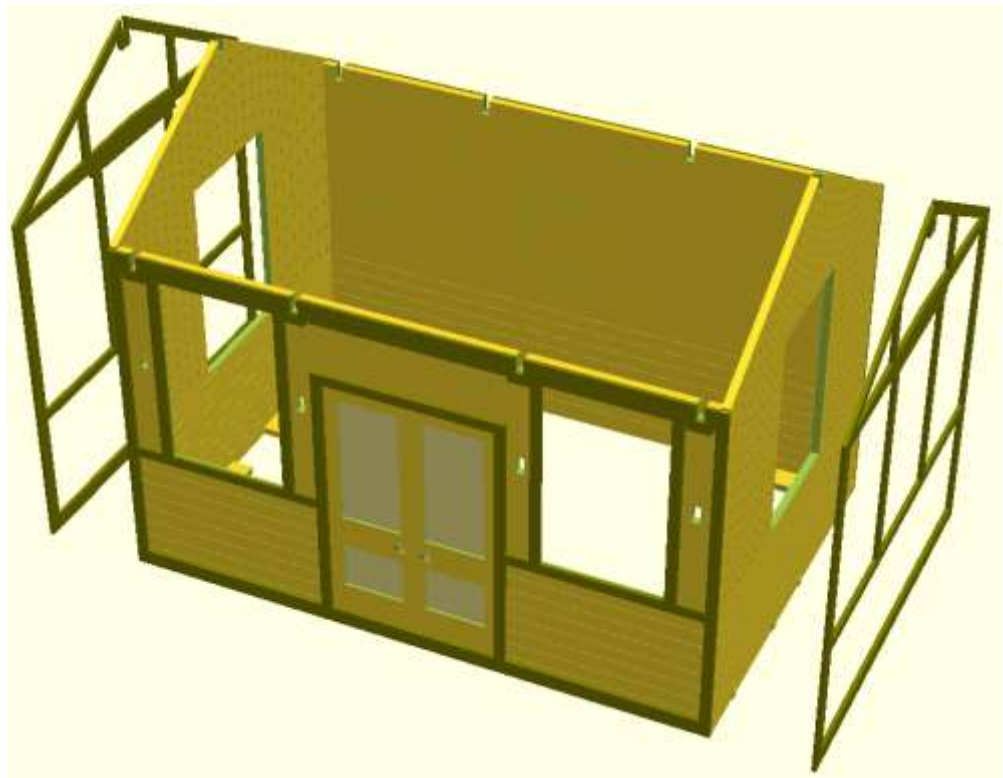
3) Glue the top overlay (1.5 mm ply) onto the front wall (3 mm ply) and the door assembly into its recess. The edges should be flush like the back wall. Again clean off any excess glue (particularly in the window frame recesses) and set aside to dry.

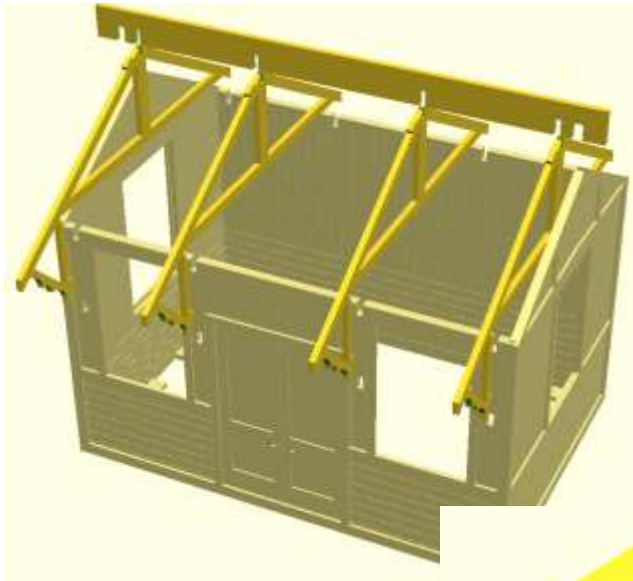




4) Glue the four walls together on a flat surface. The four “L” shape corners brackets help to keep the structure square while the glue sets. Use a couple of very large rubber bands , modellers clamps or picture frame clamps to keep all the joints “tight” while the glue sets.

5) Check the front and back overlay sides are flush with the end walls. If they are slightly “proud” at any point, file them flush with a file. Now glue the end overlays on to the end walls and clean off any excess glue.





6) Glue the 4 rafters into their sockets in the wall tops. (These sockets may need cleaning out with a file first if the overlays aren't aligned perfectly). Then glue the roof ridge beam in place. Allow glue to dry.

7) Glue front and back roof pieces in place.

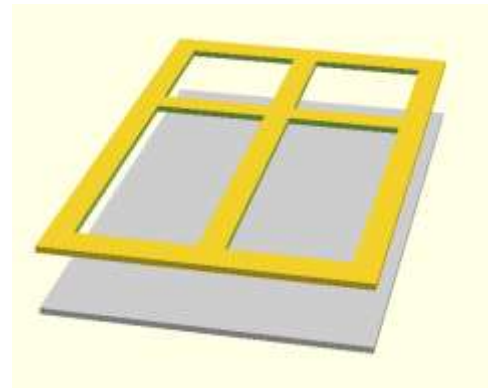


*Once glue is set; paint or varnish you model as you see fit. Don't forget to paint/varnish the two "barge board" pieces which have yet to be installed.*

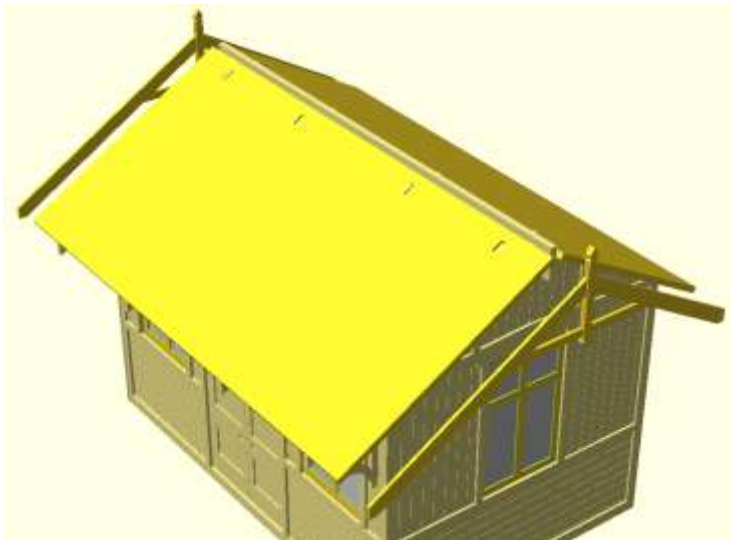
8) Now glue the roof overlay onto the roof. Our preferred method is to coat the underside of the overlay with the glue. Line up the fold with the ridge beam and first rub *down* the front roof overlay making sure you don't get it "skewed". (Imagine you are hanging wallpaper). Then rub down the back overlay. This way you shouldn't get any bubbles under the overlay. Finally use 2 scrap pieces of wood and some clamps (see photo) to hold in place while the glue sets.



9) Glue the 4 window frames to the 4 glazing panes. We use a very thin bead of contact adhesive for this.



10) Glue the 4 window assemblies into their recesses from the inside of the building using thin beads of contact adhesive. Note that the white window frame is on the outside of the clear glazing.



11) Finally glue the two “barge board” in place under the very end of the two roof pieces.

**JOB DONE**