

Leek & Manifold Light Railway Hulme End Station

This kit is a 1/20 scale model of the Leek and Manifold Valley Light Railway's main station at Hulme End. The Directors originally intended for the line to continue to Longnor hence this station being laid out as though it was a through station rather than a terminus. This extension was never built and Hulme End continued to be the railway's main station throughout its life.

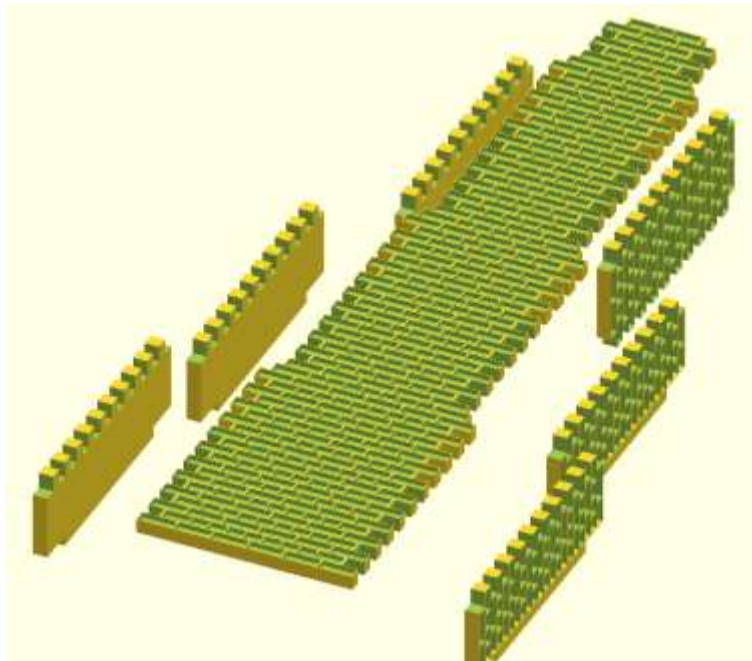


Most of this kit is laser cut Birch plywood . This is moderately water resistant but with a reasonably amount of painting or varnishing should prove rain resistant if not left outside all winter. We do however recommend using water proof PVA wood working glue (e.g. Evostick in the blue bottles) to glue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

The window panes and roof overlay are laser cut high impact polystyrene. This is totally weather proof but won't stick with PVA 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.*

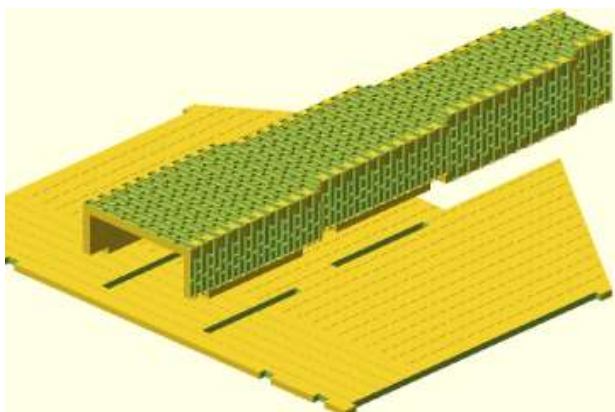
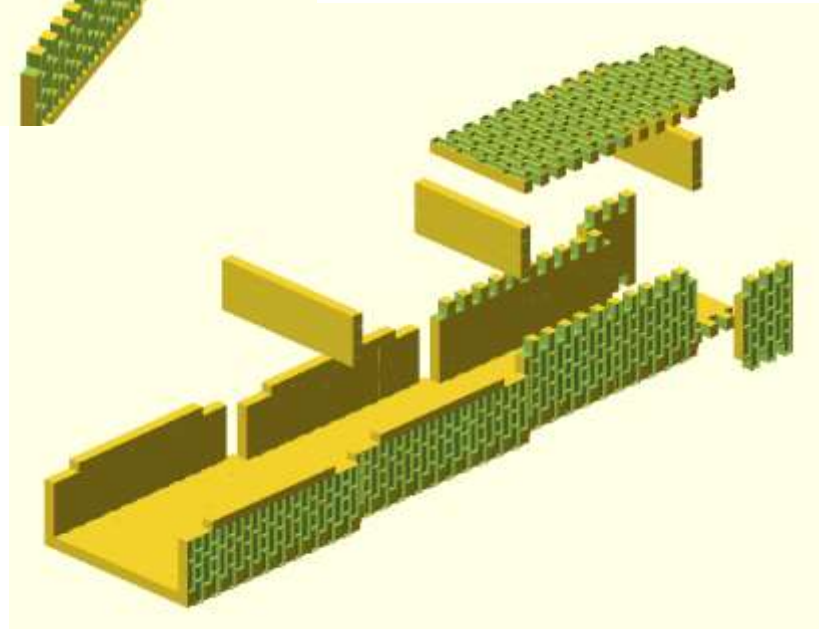
Painting or varnishing is very much a matter of personal preference. We suggest you plan ahead and either paint the components before you assemble them or assemble the lot; paint in your base colour and then pick out the details in other colours. It's whatever works for you.

Step 1 – Chimney



Glue the six chimney stack sides to the chimney/fireplace back. You may find the “teeth” a tight fit in which case lightly file the teeth sides. You do not want to have to force the teeth together as you glue them.

Now glue the remaining chimney top pieces in place together with the three transverse pieces that help form the steps in the chimney stack.

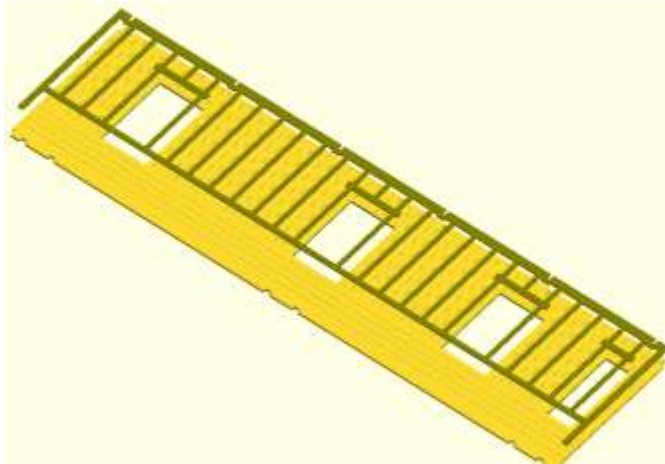


TIP It helps to temporarily fit the stack into its end wall while the glue is drying, **but don't allow** it to stick to the wall at this point.

Once the glue has set, gently file back any corner teeth that are slightly proud. (We have to cut the teeth slight long to allow for variations in the plywood's thickness.)

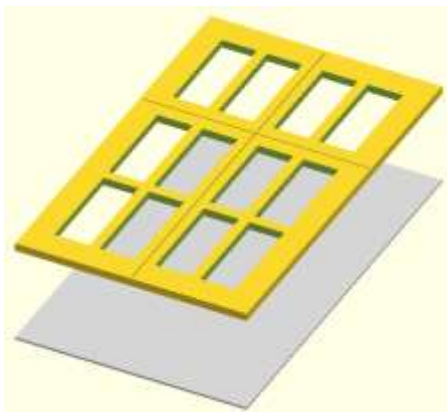
Now is a good time to paint the chimney stack. A quick way is to spray it with red oxide car paint primer from a “rattle can”.

Step 2 – Back wall



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

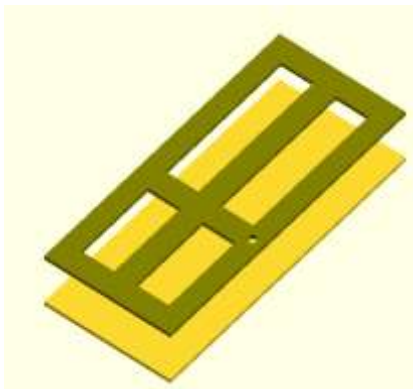
TIP: Temporarily push a couple of scraps of 3 mm ply into the slots to help align the parts.



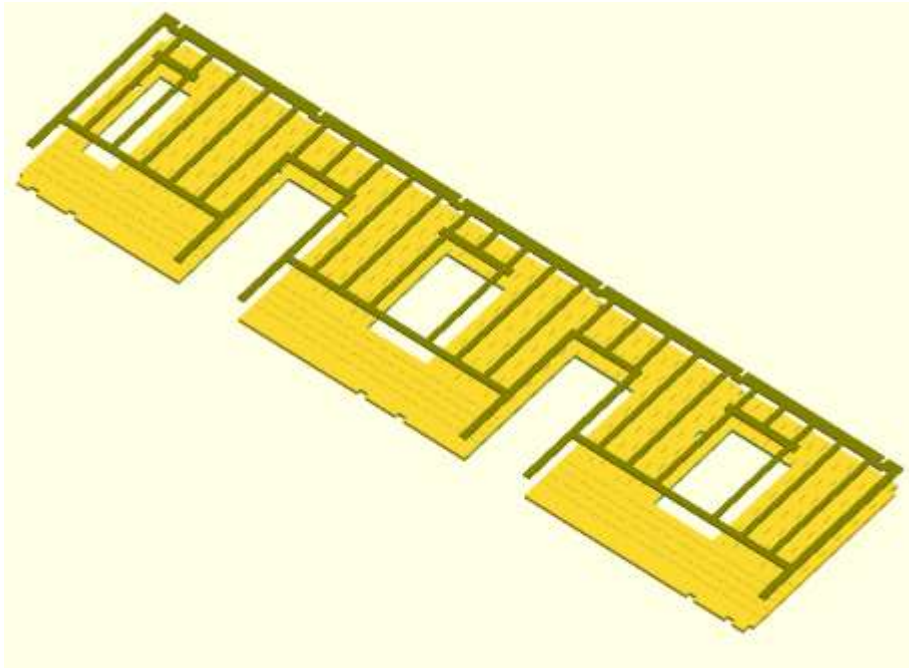
Glue the seven window frames to their clear HIPS “panes”. We strongly suggest that you pre-paint or varnish the frames before doing this.

Optionally glue the four windows into their recesses. Fitting them now is easy but makes wall painting more difficult. Alternatively fit the doors and windows once the main structure has been assembled and painted.

Step 3 – Front wall

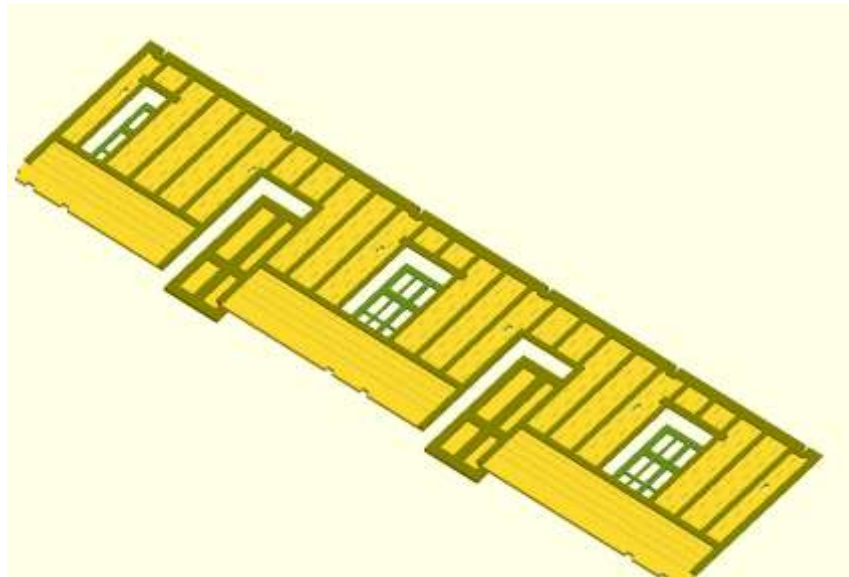


Glue the door overlays (1.5mm ply) onto the door backs (1.5 mm ply) making sure all edges are flush. Again place under a flat weight and allow glue to set. Again it may be advisable to pre-paint these parts now.

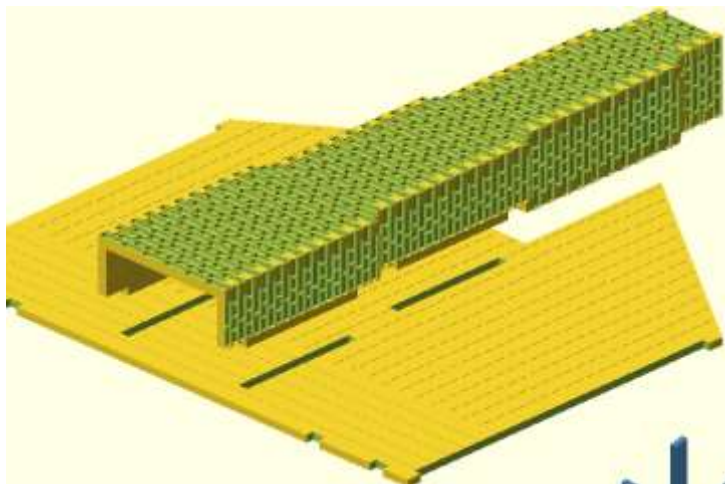


Glue the top overlay (1.5 mm ply) onto the front wall (3 mm ply) and the door assembly into its recess. The edges should be flush like the back wall. Again clean off any excess glue (particularly in the window frame recesses) and set aside to dry.

Again you may wish to install the doors and windows at this point depending on how you are painting/varnishing this model.

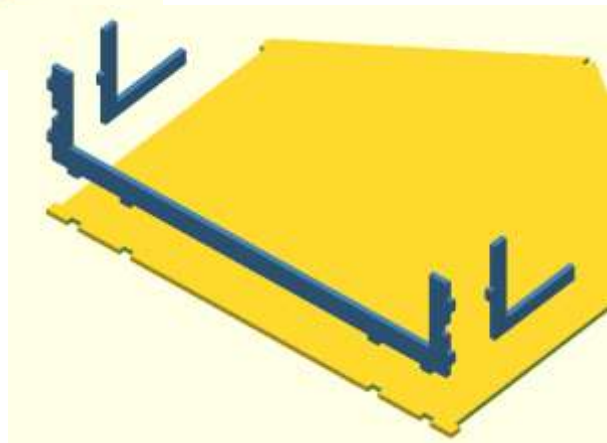


Step 4 – Main assembly

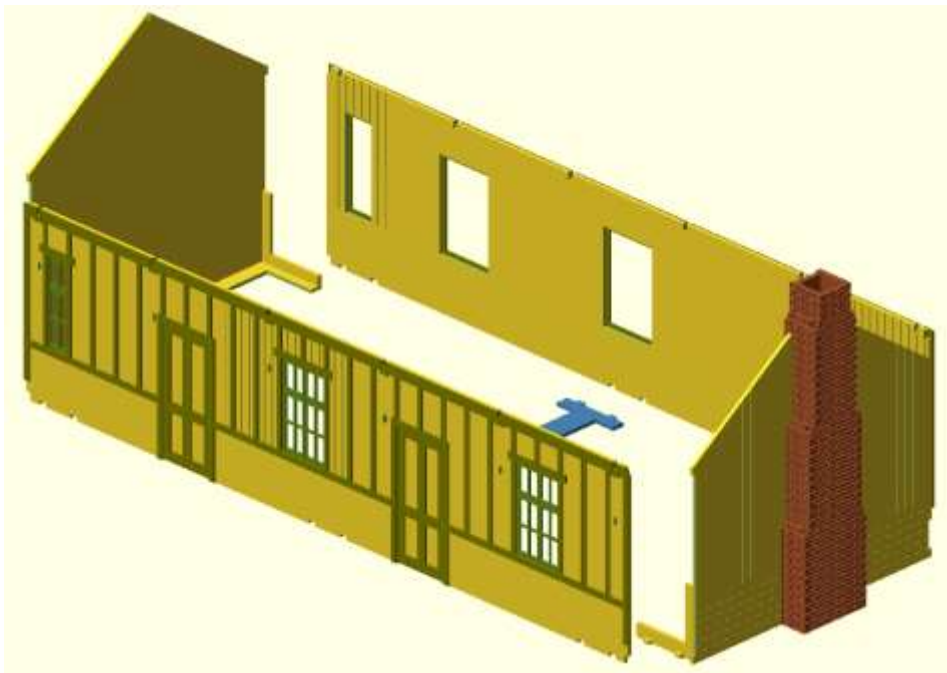


Glue the completed chimney stack into its gable wall. Ensure it fits correctly into its slots so that the chimney stack is parallel to the wall. You don't want a leaning chimney stack.

Now glue the end braces to the inside of the gable end walls and allow to set. They will greatly assist in the next step.

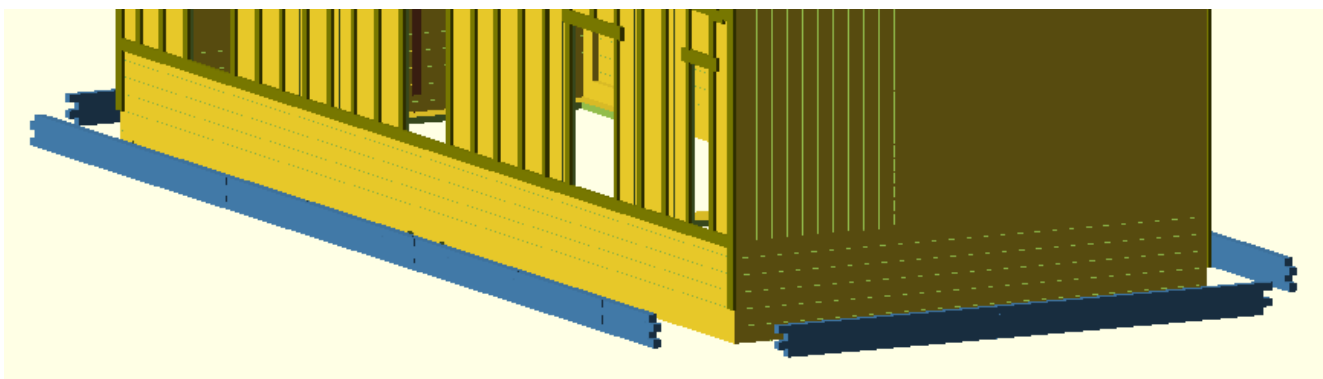
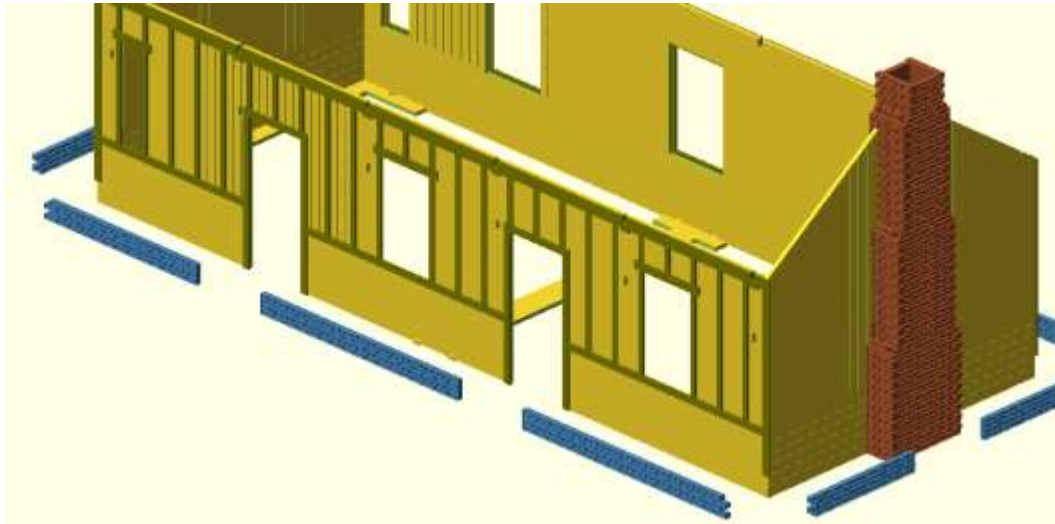


Glue the four walls and central "brace" together on a flat surface. The four "L" shape corners brackets help to keep the structure square while the glue sets. Use a couple of modeller's clamps or picture frame clamps to keep all the joints "tight" while the glue sets.



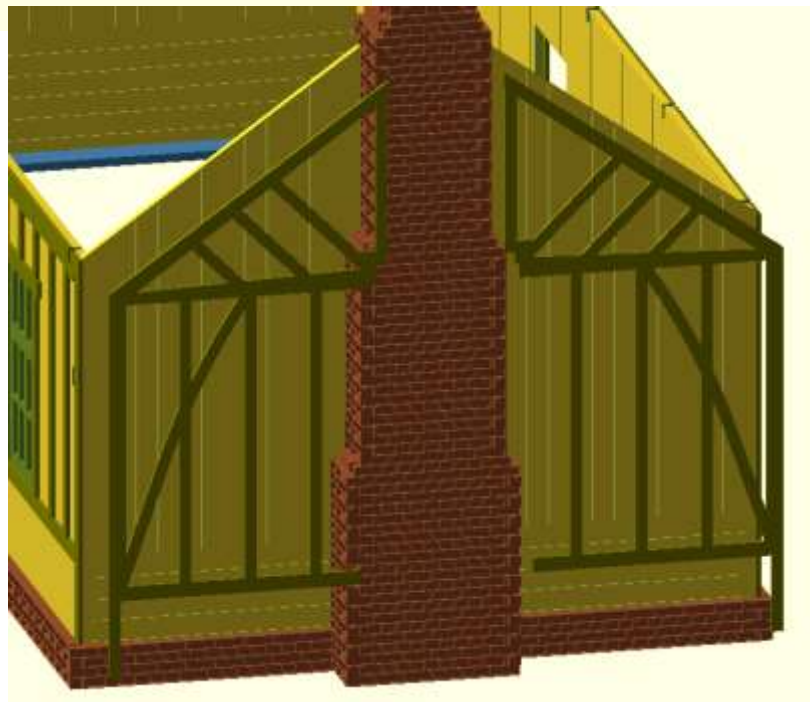
Step 5 – Brick Plinth

Glue the brick plinth pieces in place around the base of the building. Start with the front centre piece (between the 2 doors) and work your way around the building butting the long rear section in last. Again pre-painting these parts is a good idea.

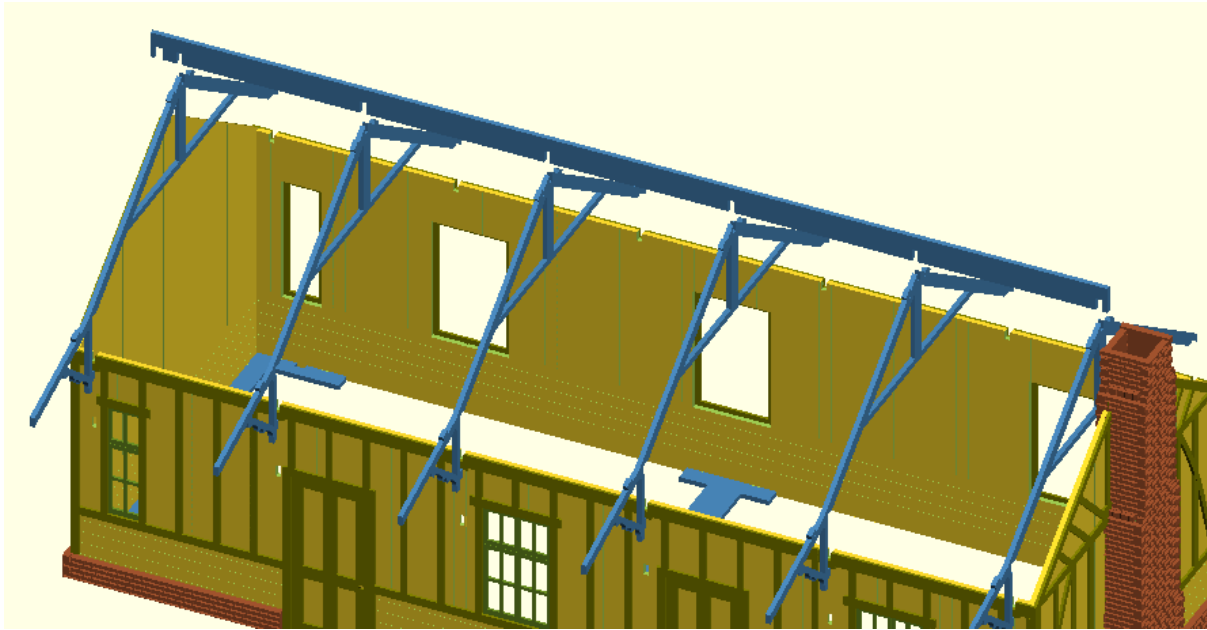


Step 6 – End overlays

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.



Step 7 – Roof assembly



Glue the 6 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.

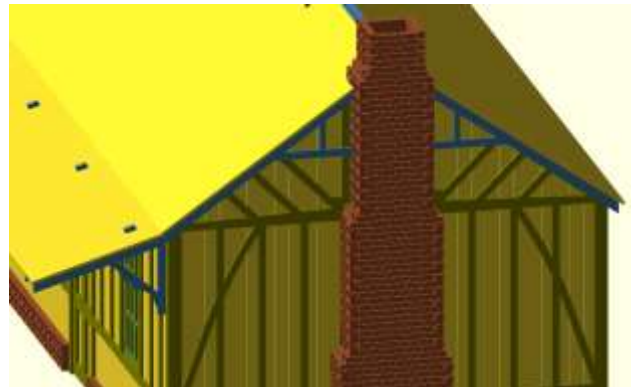
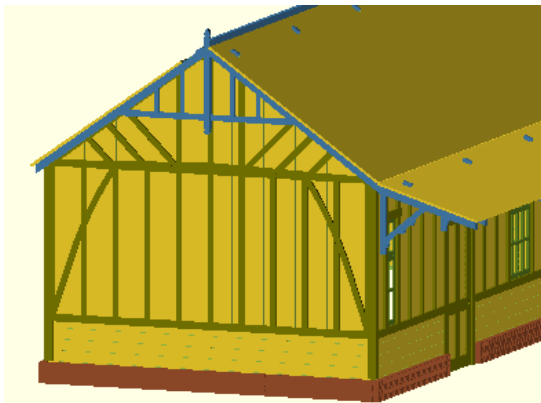
Glue canopy, front and back roof pieces in place and allow to set



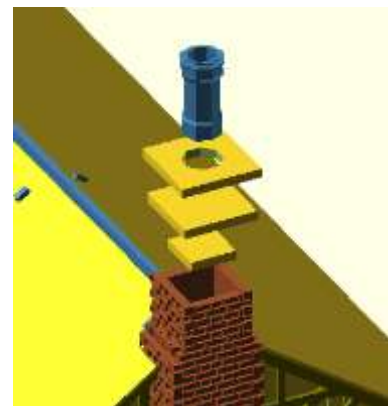
Now glue the roof overlay onto the roof. Our preferred method is to coat the underside of the overlay with the glue. Line up the fold with the ridge beam and first rub *down* the front roof overlay making sure you don't get it "skewed". (Imagine you are hanging wallpaper). Then rub down the back overlay.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

Step 8 – Finishing touches

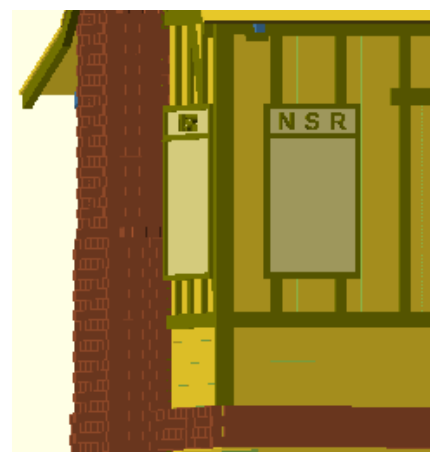
Glue the three “barge board” pieces in place under the very end of the three roof pieces.



Glue the three chimney cap pieces and chimney pot onto the top of the chimney stack.



Glue the notice boards in place on the front, back and chimney end walls.



JOB DONE