LCC Modelling System

B 70-07L medium signal box with left stairs

All drawings are not in scale. Some proportions on drawings may differ from reality.

For additional elements for modification and extension please visit our website at www.lcut.co.uk or email us at contact@lcut.co.uk

Width: 145.5mm (Body only) Depth: 92.5mm (Body only)
Height: 135.5mm (Without chimney)

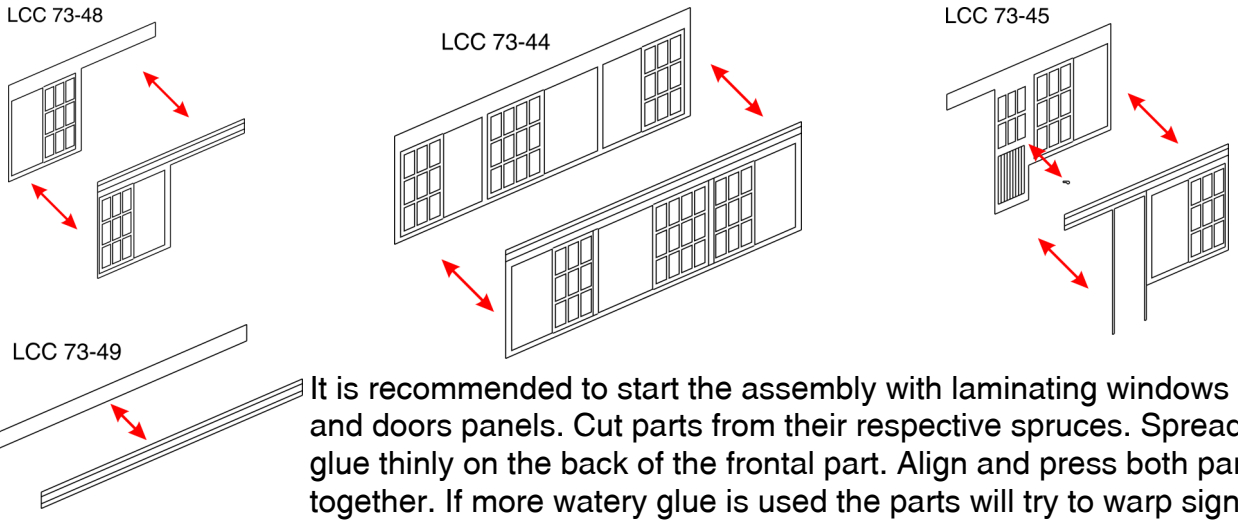
Bundle contains:

- 1x LCC 70-07A
- 1x LCC 70-07AF
- 1x LCC 70-09
- 2x LCC 73-08
- 2x LCC 73-09
- 4x LCC 73-09A
- 1x LCC 73-11
- 1x LCC 73-12
- 1x LCC 73-15
- 1x LCC 73-16
- 1x LCC 73-17
- 2x LCC 73-18
- 1x LCC 73-19
- 1x LCC 73-31
- 1x LCC 73-44
- 1x LCC 73-44A
- 1x LCC 73-45
- 1x LCC 73-48
- 1x LCC 73-49

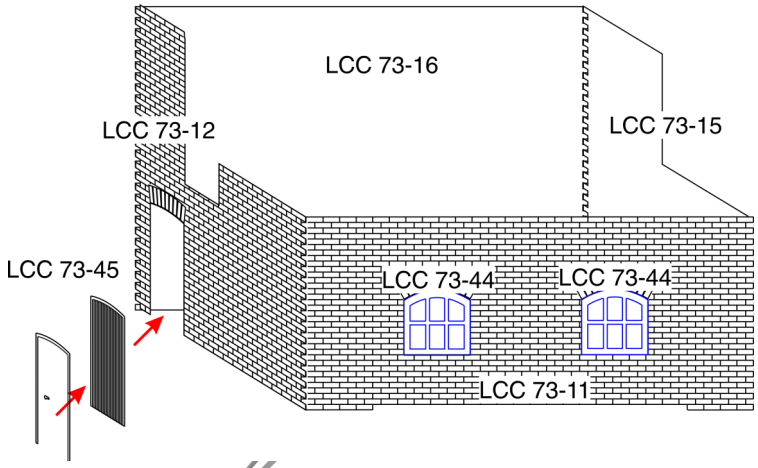
! We recommend PVA or any other paper/wood glue for the main fibre board parts and resin based glue for 3D printed parts if present.

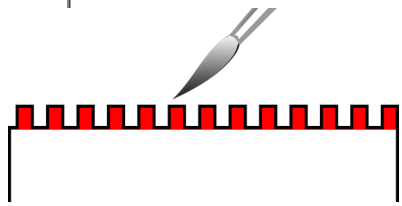
Painting recommendation:
We recommend using acrylic or enamel paints. There is no need to undercoat the surface but it can be done if desired. The material used is porous and relatively forgiving, heavy coats are unlikely to flood the brickwork. If you experience any warping in the material leave it to fully dry and then gently bend it back into shape. Always test any paints in an area that will not be seen or on spare parts/off cuts.

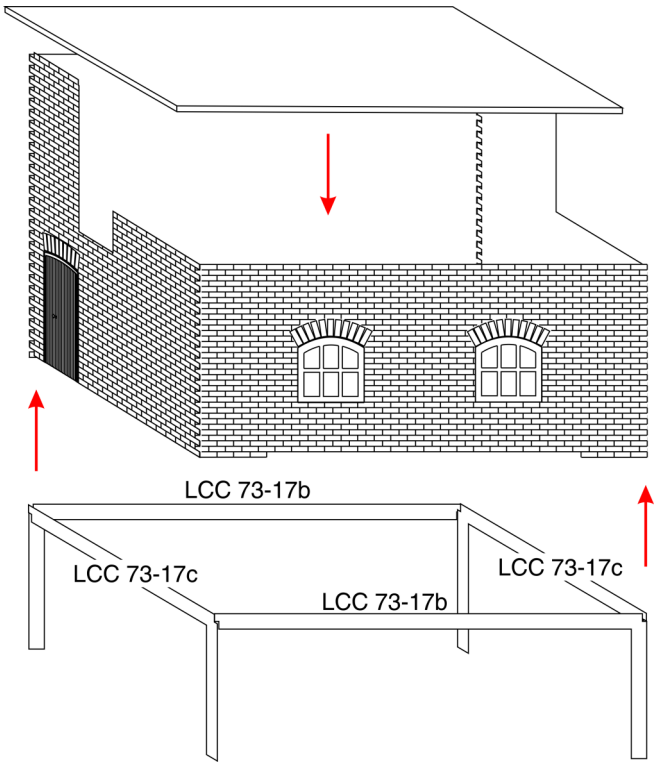
WINDOWS AND DOORS LAMINATES

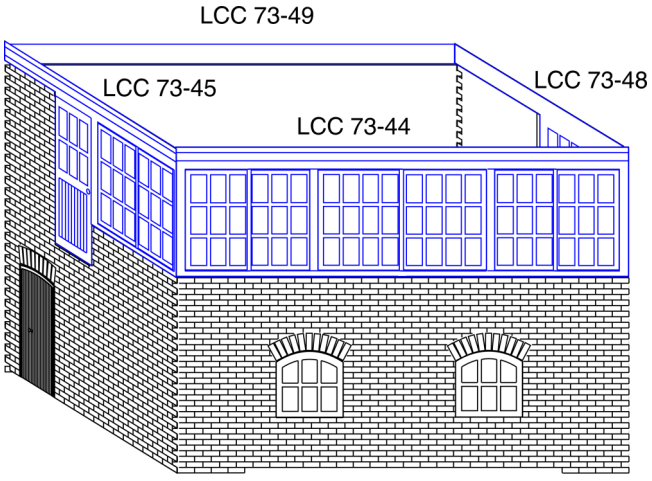


It is recommended to start the assembly with laminating windows and doors panels. Cut parts from their respective spruces. Spread glue thinly on the back of the frontal part. Align and press both parts together. If more watery glue is used the parts will try to warp significantly. It is recommended to press the laminated parts in between two heavy and flat surfaces (like heavy hardback books, care should be taken not to allow the laminated parts stick to the books by removing the squezeout [excess glue] and or lining the press with non stick material). When glue has dried the parts will stay flat. Ensure the parts are lined up correctly!









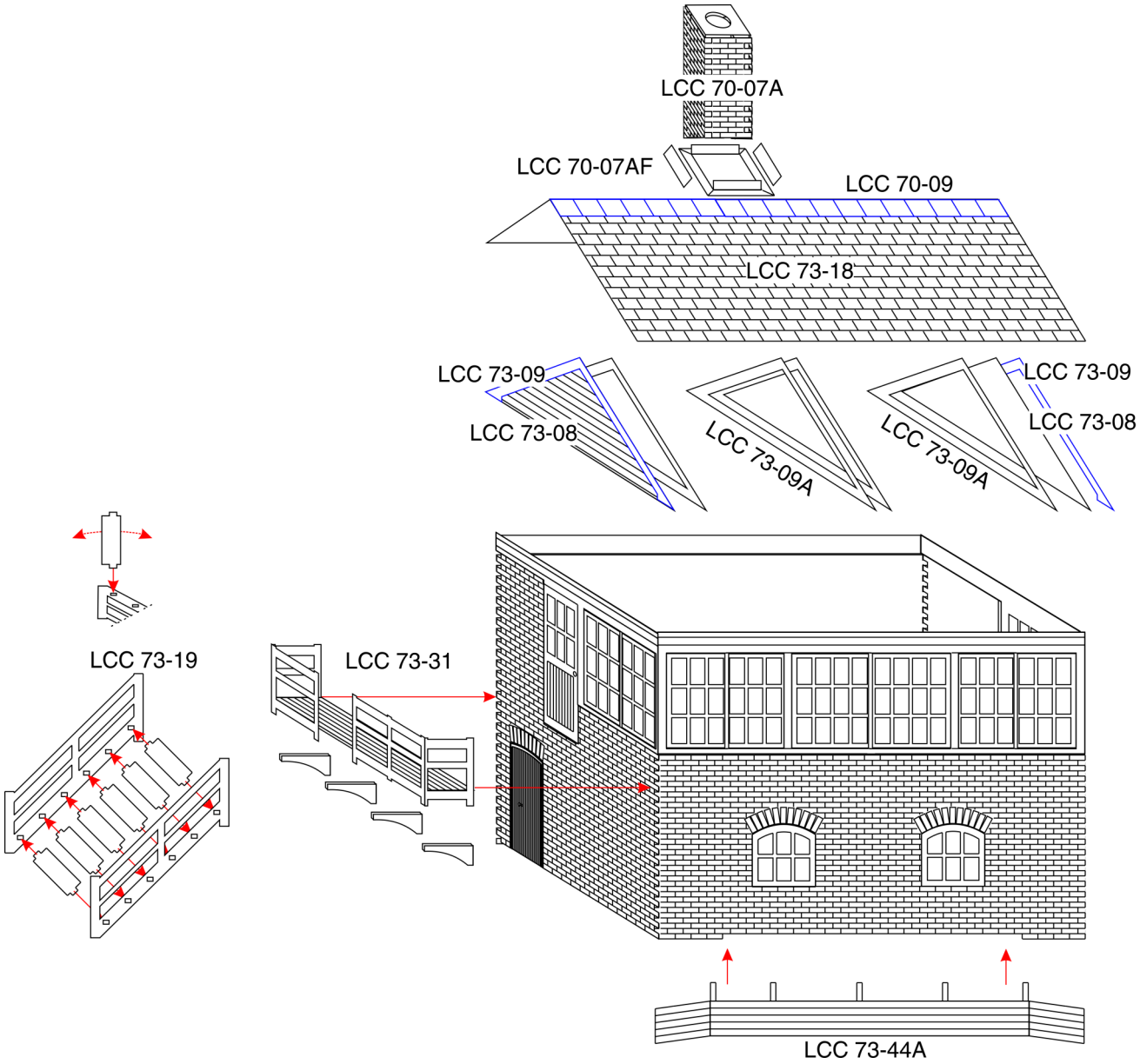
While the laminates are drying glue the walls together.

To make paining easier we recommend to first assemble the walls, paint them, and only then glue in pre painted windows and doors. This manual shows alternative method of gluing everything together and painting afterwards.

Recommended way of gluing walls is to apply glue to the back of the interlocking bricks. Additional glue can be applied to the spaces between the interlocking bricks but that will increase the squeezeout. Care should be taken not to put too much glue or let it harden fully before fitting the supports and the floor.

Next step in assembly is to complete the internal structure of the signal box. Ideally it should be done while the glue from previous step is not dry yet. Glue LCC 73-17b and LCC 73-17c inside the walls of the signal box. This will create internal lattice for the floor to sit on. Now leave the model to dry enough that the walls do not come apart when floor is installed. Floor is designed to be very tightly fitting. In rare instance the floor will seem too big. In such case it is possible to gently force it into position which should be on top of the lattice made with LCC 73-17b/c. There is a small chance that the floor pushes the walls apart. If this appear to happen take the floor out and trim slightly. It is also possible to clamp the model gently to ensure there is no gaps at the corners.

Next step in assembly is gluing the laminates to the signal box body. Start with LCC 73-45 and LCC 73-48. Follow with the two remaining elements. Ensure that the parts marked blue are glued in flush with the outside of the signal box.



Glue LCC 73-09 to LCC 73-08 flush with the top of each other. Glue LCC 73-09A to the back of LCC 73-08. Glue the assembly to the side of the signal box with LCC 73-08 flush to the outside of the panel. Glue two LCC 73-09A together. Take LCC 73-18 roof panels and join them with doubled up LCC 73-09A. Ensure that there is no gap in the ridge of the roof. Ensure that the side of the roof panels are also even. Glue LCC 70-09 ridge tiles to the ridge of the roof. Some may require trimming to length. Leave the roof separate for now if interior and glazing will be fitted at a later date.

Assemble LCC 70-07A ensuring there is no gaps on the corners. Glue the chimney to the side of the roof in chosen place. Prepare LCC 70-07AF by bending the tabs inwards as shown on the picture. Slide the main chimney flashing element over the chimney and glue in place. Some slight reshaping with back of the knife may be required to ensure it fits correctly. Glue remaining flashing elements to the sides of the chimney. Finally glue the chimney pot in with resin based glue.

If desired assemble the LCC 73-31 balcony. Ensure that the pieces that will touch the wall are glued with the thicker side to the wall. Also plan where the supports will be glued in to accommodate for the ground floor door. Assemble the staircase by gently wiggling the steps into the slots. Use a little bit of PVA glue as a lubricant to help the process. Care should be taken not to apply excessive force or the tabs will bend. Glue the staircase to the balcony or directly to the signal box if desired.

Lastly assemble LCC 73-44A by gently bending the plank sides downwards as shown on the picture. Glue the support pieces as shown on the picture. Glue the whole assembly into the slot in the front face of the signal box.