

## *Instructions for Kit No BK203 - 1/48 Timber Framed building - The Guildhall*

This kit is based on the Guildhall at Lavenham - now owned by the National Trust. The original Guildhall is in fact a number of separate buildings that were combined into one. This kit is based on part of the Guildhall but is not an exact replica.

The main parts are provided with slots and tabs to ease assembly. The timber framing is provided as a set of overlays to be glued onto the walls. The windows are provided with diamond mesh lattices which must be handled with care as they are quite fragile. The kit also includes a set of Tudor chimney pots. The kit is designed so that the front can be removed to access the interior.



To complete the kit, as shown above, you will need glue, paint, wood stain (or paint), DAS or similar air drying clay, Impress moulds for stone or brick, tiles or slates and paving stones, as required.

The kit can be assembled using PVA glue, although we recommend the use of Aliphatic Resin as it dries quicker than PVA. As you will often have to apply small amounts of glue, a pin point applicator is strongly recommended.

Timber framed buildings such as the Guildhall date back to medieval times - the Lavenham Guildhall dates back to the 16th Century. The gaps between the timbers were usually filled with wattle and daub - hazel sticks forming a lattice with a mixture of mud, dung and straw plastered over the lattice. The filling always finishes flush with the timbers or, in some cases, slightly proud to protect the timber from water. A common mistake on model buildings is to leave the timbers standing proud of the filling. The panels were usually lime-washed and the timbers left in the natural state which often weathered to a silvery grey colour. The stark black and white finish seen on some buildings today is a modern effect with tarred or painted timber.

The best way to finish the timber framing is to stain it with a medium or dark oak wood stain. The example above was stained with a medium oak stain. As the stain takes time to dry, you may wish to stain the timber framing before starting on the main construction.

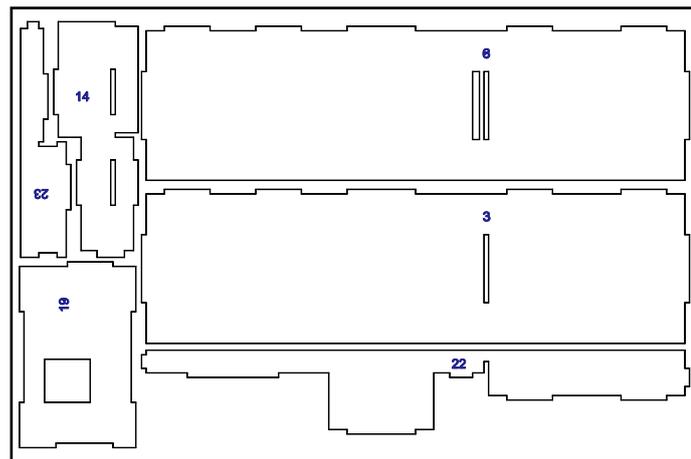
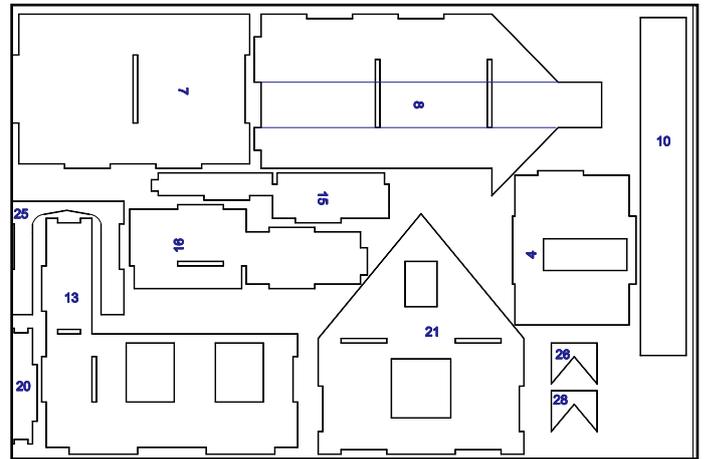
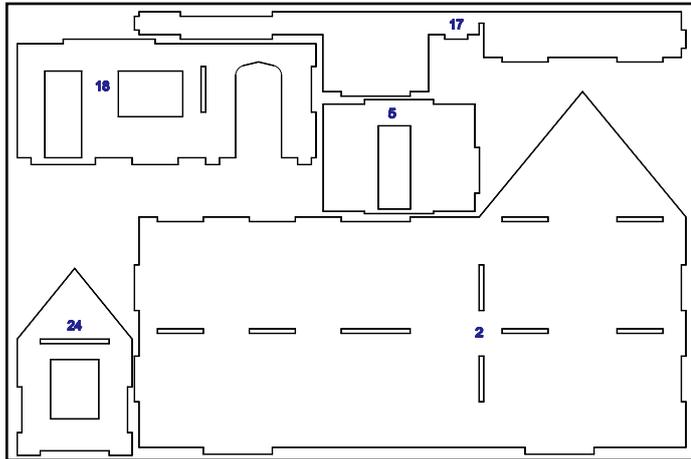
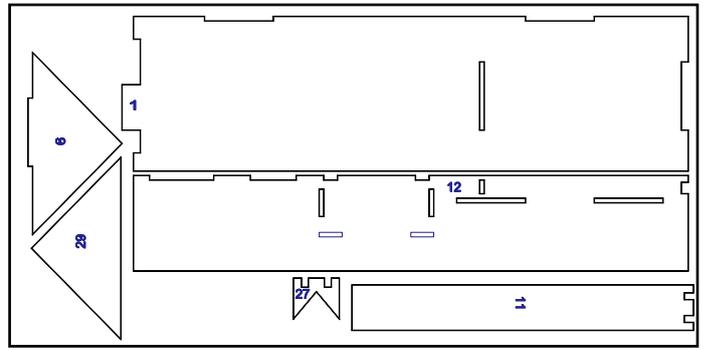
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An interior detailing kit is also available separately. This contains floorboards, ceiling timbers, chimney breasts, fireplaces and wall panelling. Note the lights are not included - these are nano LEDs powered by a 3V coin cell battery and are available from Small Scale Lights by JS Miniatures - [www.smallscalelights.co.uk](http://www.smallscalelights.co.uk).

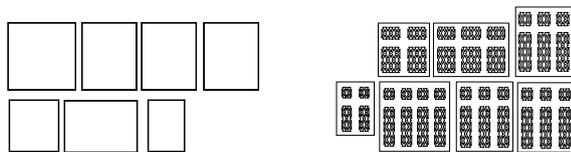
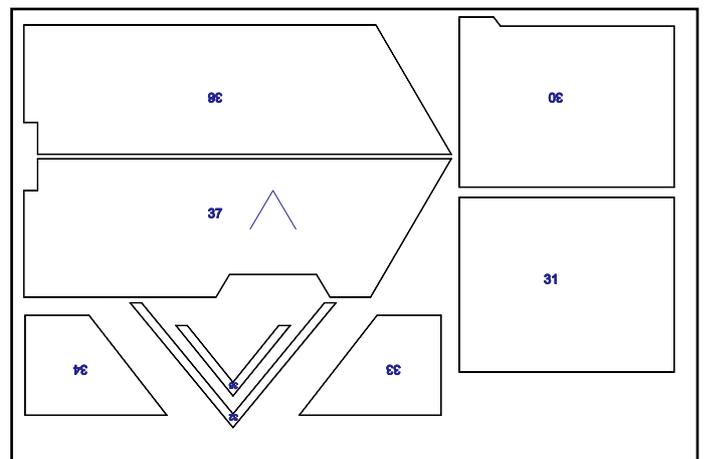


# Contents of the kit:

Base parts (3mm MDF) - Part Nos 1 & 12.  
 Chimneys (3mm MDF) - Part Nos 11 & 27.  
 Roof supports (3mm MDF) - Part Nos 9 & 29.  
 Wall parts (2mm MDF) - Part Nos 2 - 28 (excluding 9, 11, 12 & 27).



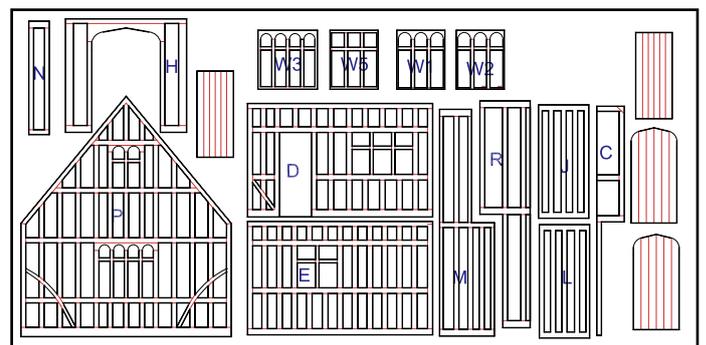
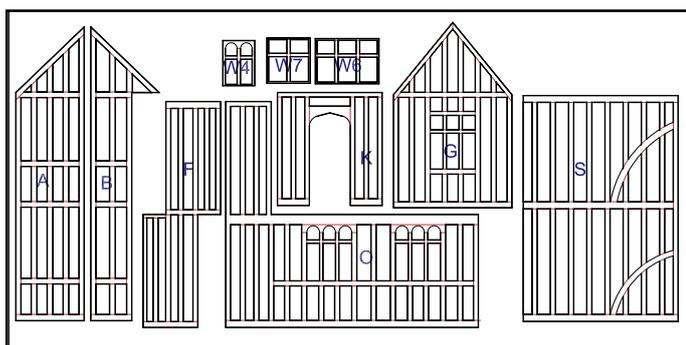
## Roof parts (1.5mm MDF) - Part Nos 30 - 37.



Glazing, lattice overlays and chimney pots.

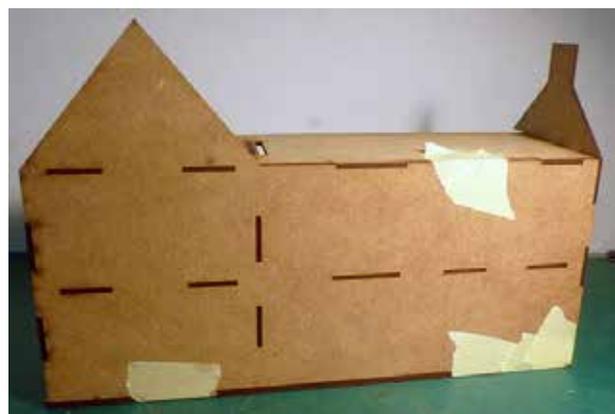
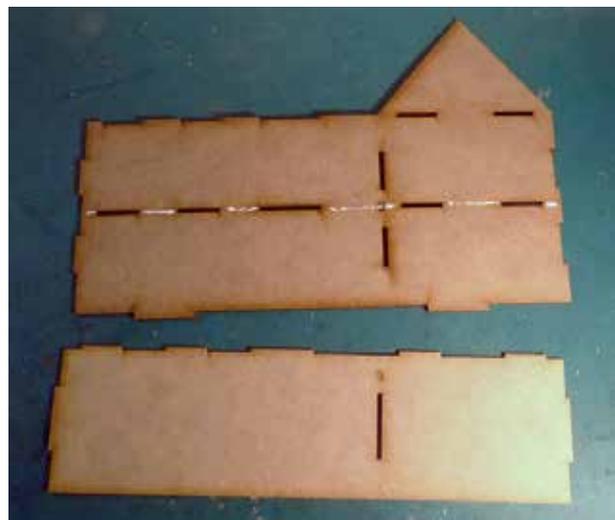


Timber framing overlays (0.8mm plywood)



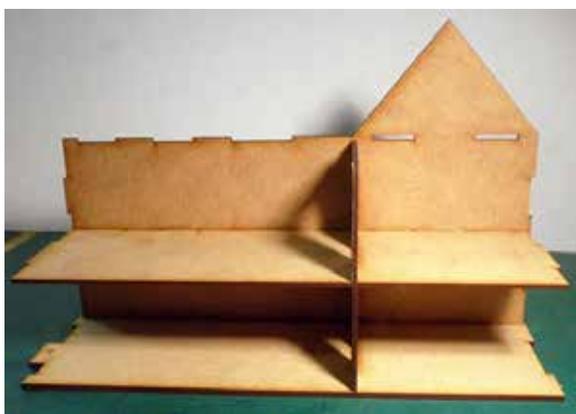
## Assembly of the Kit

The main parts of the kit are provided with tabs and slots to aid construction. The tabs are a fairly tight fit in the slots. If you have difficulty engaging a tab in a slot, you could sand the edge of the tab to chamfer it slightly. Because of the tight fitting slots, little glue is needed to hold many of the parts together. You can apply the glue to the edge of a piece where it fits onto another part or apply a line of glue between the slots as shown in the photo below. Ensure that all tabs are pushed firmly home into the slots. Remove any excess glue that may have been squeezed out. All of the main parts have a number marked on them for identification. The numbers are referred to in brackets in the instructions below.



### Main body assembly

1. Glue middle floor (3) into the middle row of slots in the back (2).
2. Glue the internal lower wall (4) to the back and floor.
3. Glue the assembly to the base (1). Use masking tape or clamps to hold while the glue dries.
4. Glue the upper internal wall (5) and ceiling (6) to the assembly.

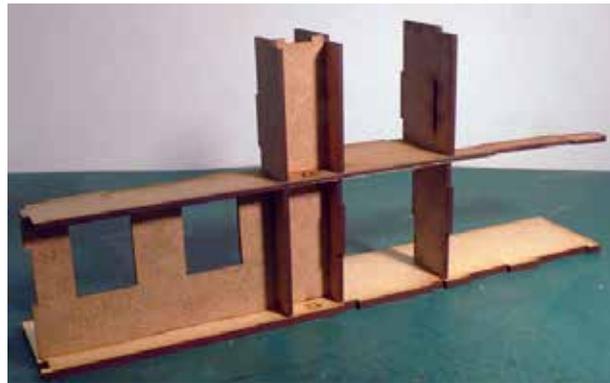
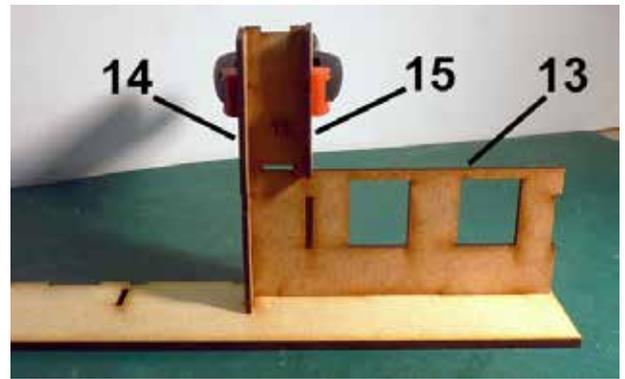


5. Glue the two end walls (7 & 8) to the ends of the assembly.
6. Glue the right roof support (9) to the upper ceiling.
7. Glue the left roof support (29) inside the end wall (8).
8. Glue the external chimney parts (10 & 11) to the end wall (8). Part number 11 goes between parts 10 and 8 to create two holes for the chimney pots to be inserted later.
9. Clamp the chimney and roof support until the glue dries.
10. Set aside the main body assembly.

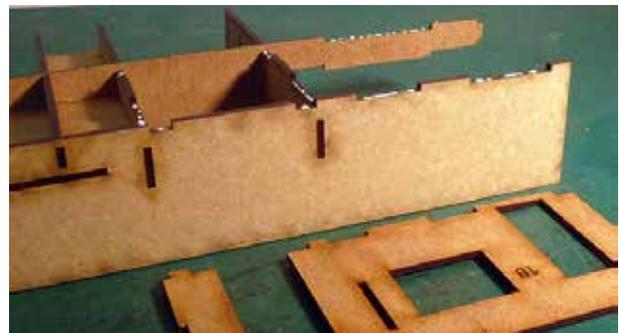


## Assembly of the front

11. Glue the separating wall (15) to the right front wall (13) using the slot next to the window apertures.
12. Glue the porch side wall (14) to the front wall (13), then glue the assembly to the base (12) and clamp if necessary until the glue dries.
13. Glue the other porch side wall (16) to the base.
14. Fit the floor (17) into the slots from the back – this can be dry fitted without any glue as other components will hold this securely.



15. Glue the lower left front wall (18) to the back of the floor (17), base (12) and porch side walls (14 & 16). Apply glue to the edge of walls, base and floor – use tape to hold until glue dries.



16. Glue the left upper jettied front wall (19) to the left end wall (20) and glue them to the assembly. Engage the tab on the front wall (19) into the slot in the porch side wall (16), then push into the edge slots in the floor (17).

17. Glue the ceiling (22) to the top of the walls.

18. Glue the right upper jettied front wall (21) to the front of the floor (17), ceiling (22) and wall (15).

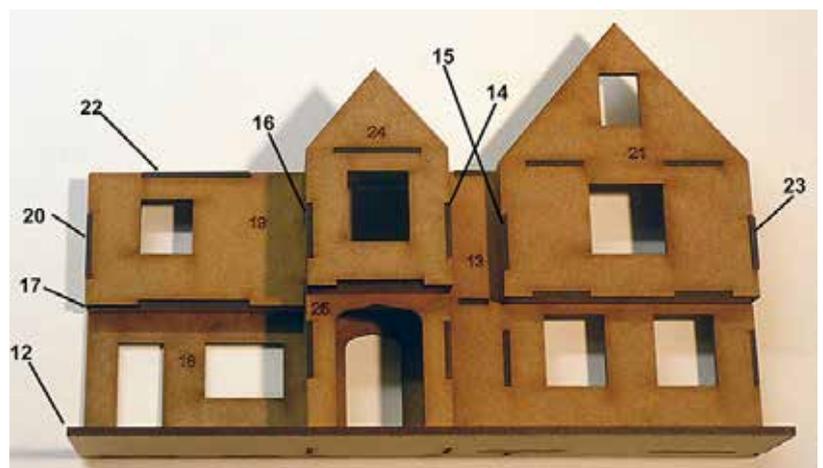
19. Glue the right end wall (23) to the front (22), base (12), floor (17) and ceiling (22).

20. Glue the upper front of the porch (24) to the front of the porch side walls (14 & 16), floor (17) and ceiling (22).

21. Use masking tape to hold these parts until the glue dries.

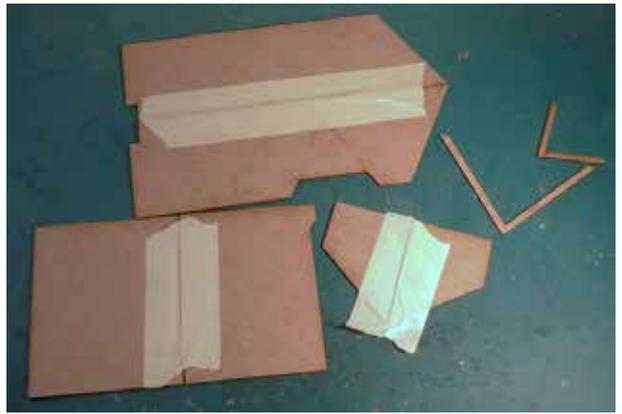
22. DO NOT fit the porch lower front arch (25) until the interior of the porch has been detailed!

23. Set aside the front assembly.



## Roof

24. Remove any tape or clamps from the body assembly, ready to fit the roof.
25. Use masking tape to join the two halves of each section of roof (30/31, 33/34 & 36/37). Note the top edges of the roof sections have been chamfered to allow them to fit together properly.
26. Apply a fillet of glue inside the join and glue the triangular support (32) under the gable roof (30/31) and the triangular support (35) under the porch roof (33/34), in each case the supports should be set in from the front by about 10mm. Use clamps to hold the roof if necessary.



27. When the glue on the gable roof (30/31 - to the right of the building) is dry, glue the roof to the building. Apply glue to the top of the rear gable (2), the edge of the ceiling (6) and next to the roof support (9) to secure the bottom edges of the roof. Ensure that the rear edge is flush with the back (2). Use tape to hold while the glue dries. Fit the front assembly in place to check the alignment of the roof. DO NOT glue the roof to the front.

28. When the glue on the gable roof has dried, remove the front.
29. Apply glue to the join in the main roof (36/37) and to the right hand edge where it meets the gable roof. Apply glue to the two roof supports (9 & 29) and the back edge of the ceiling (6). Fix the main roof in place and use a couple of elastic bands to hold the roof while the glue dries.



30. When the glue has dried, remove the elastic bands and tape. Refit the front in place. Apply glue to the rear edge of the porch roof where it will meet the main roof. Using the marked V on the main roof and the front as guides, fit the porch roof in place. DO NOT glue the roof to the porch. Use an elastic band and tape, if necessary, to hold the roof in place while the glue dries.



31. Glue the pieces of the small chimney together (26, 27 & 28) with part 27 in the middle. This again creates two holes for the chimney pots to be added later. Then glue the chimney to the back edge of the gable roof.





## Timber framing

32. If you haven't already done so, stain or paint all the pieces of the timber framing overlays and the doors.
33. The diagram above shows the overlays laid out to show their relative positions on the model. As some of the overlays are designed to fit in front of others it is important to follow the sequence below.
34. To glue the overlays in place, apply a small amount of glue to the back of each part of the overlay. A fine point applicator is very useful for this. It doesn't matter too much if glue oozes out when the overlay is fitted in place, as you will be filling in the gaps with DAS.
35. Note when fitting the overlays E, F, M, N, O, R & S, there should be a 1mm gap at the top of the wall to clear the overhang of the roof, ie the overlays are 1 mm shorter than the walls they fit onto.

## Front overlays

36. Start by gluing the porch rear (K) in place on part 18 followed by the porch internal sides (J & L) inside the porch on the inside of parts 14 & 16.
37. Glue the porch front overlay (H) on the porch front (part 25), but DO NOT glue the porch front in place until you have completed the detailing of the inside of the porch.
38. Glue the lower left front overlay (D) on part 13. Do not apply any glue to the window bars!
39. Glue the left end overlay (C) in place on part 20 and the edge of part 18.
40. Glue the upper left front overlay (E) in place on part 19 with the bottom edge aligned with the bottom of the jettied front and the 1mm gap at the top. This overlaps the end piece (C).
41. Glue the porch side overlay (F) to the left side of the porch on part 16.
42. Glue the right front overlay (O) in place on part 13.
43. Glue the other porch side overlay (M) to the right of the porch on part 14.
44. Glue the small side overlay (N) to the side of the jettied upper front on part 15.
45. Glue the upper porch front overlay (G) to the front of the porch on part 24.
46. Glue the end wall overlay (R) to the right end wall on part 23.
47. Glue the jettied wall overlay (P) to the upper right front on part 21.

## Main overlays

48. Glue the left side overlays (A & B) to the left wall either side of the chimney on part 8.
49. Glue the right side overlay (S) to the right end wall on part 7.

## Windows

50. Identify the lattice inserts for each window. Note that the lattice inserts for windows W1/W2 are very similar to the lattice for window W5. They are all the same size. The diamond mesh areas on the W5 insert are slightly bigger than the mesh areas for the windows W1 & W2.
51. Insert each of the lattices into the appropriate window apertures from behind.
52. Then insert the appropriate glazing.
53. Finally glue the internal window frames into the apertures to secure the glazing.



## Chimney pots

54. Glue the chimney pots into the holes in the tops of the chimneys. The kit is supplied with a set of four different Tudor chimney pots. It was quite common to have different designs on Tudor buildings like this - perhaps as a sign of wealth.

## Finishing the building.

55. The sample building shown on the front page was completed using white DAS to fill in the spaces between the timber frames, and to create the pavement. Terracotta DAS was used to create the brick chimneys and tiled roof. Brick Impress Moulds (BIMs - available from Malcolm's Miniatures) were used to create the paving slabs, tudor bricks and roof tiles.
56. To fill in the spaces between the timbers, roll a thin "string" of DAS. Cut off a suitable length. Apply a little glue between the timbers (another use for the pinpoint applicator) and press the DAS string into the gap. Smooth down with a spatula and trim off any surplus with the spatula. The tool used in the photo is a small artist's palette knife. Don't worry if some DAS is smeared onto the timber - when dry it will give a nice weathered appearance to the timber.



57. When you have finished the inside of the porch, glue the porch front (25) in place.
58. To complete the chimneys, roof and paving using the BIMs, follow the instructions supplied with the BIMs to roll out a thin sheet of DAS, glue it onto the surface and use the BIMs to impress the pattern into the DAS. Keep the layer of DAS as thin as possible - about half a millimetre.
59. When the DAS has dried, apply thin washes of acrylic paint to build up the colour and weather the surfaces. For the brickwork, finish with a very thin wash of mortar colour paint to settle into the grooves.