

# PN972 N Scale L/R Pub & Shops

## CHECK LIST

This kit should contain the following:

- 1 x PRINTED SHEET. Kit parts.
- 2 x GREY SHEETS. Strengtheners parts
- 1 x GLAZING sheet.
- 1 x Ridge tiles card.
- 1 x INSTRUCTION BOOKLET.
- 1 x EXTRA BITS sheet.

## READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START.

This is a complex kit that requires particular attention to detail, so proceed with care!

To construct this kit you will need the following:

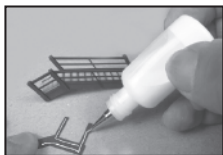
- 1. A modellers knife.
- 2. A pair of sharp scissors.
- 3. A steel ruler.
- 4. Glue - See glues.
- 5. Ultra Fine Tip Glue Applicator, see below.
- 6. A cutting surface - a sheet of card or cutting mat.
- 7. Fine point tweezers.
- 8. Water colour paints and a very fine brush for painting edges and corners.

## METCALFE Ultra Fine Glue Tip Bottles.

These bottles are essential for gluing the smaller components in this kit.



Tiny strips and spots of glue can be accurately laid down with precision.



## INSTRUCTIONS

### GLUES

#### UHU Solvent Free All Purpose Adhesive Glue

Works superbly well in our fine glue applicators. Dries quickly, but allows time for positioning of kit parts as described further on in the instructions.

Also Deluxe Materials 'SPEEDBOND'  
A fast drying PVA.

see [www.deluxematerials.com](http://www.deluxematerials.com)

### GETTING STARTED

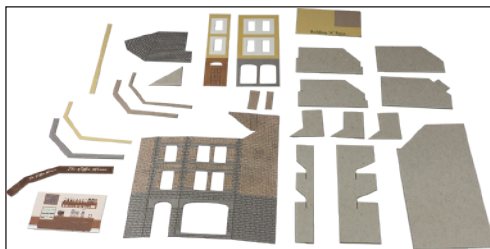
#### 1 EXTRACTING COMPONENTS FROM THE BASE SHEETS.

To stop the components from falling off the sheets, they are held secure with score lines. These are cuts that only go about 75% of the way through the card.

To release them run the point of your knife along these score lines and they will come seamlessly away. These score lines are marked with blue arrows: WARNING, Cut with care using a knife that is not too sharp, this will reduce the risk of the blade running off the score and cutting the components.

#### 2 MAKE YOUR 'BUILDERS YARD'.

As you extract the components from the base sheets they need to be kept away from your working area on a thick piece of card or a tray until needed. Keep the components organised to which building they belong to. The part descriptions are colour coded to help identify which building they belong to.



### 3 WINDOW GLAZING

Cut out all the clear glazing components along the outer white lines and place on a separate sheet of dark card so they don't get lost.

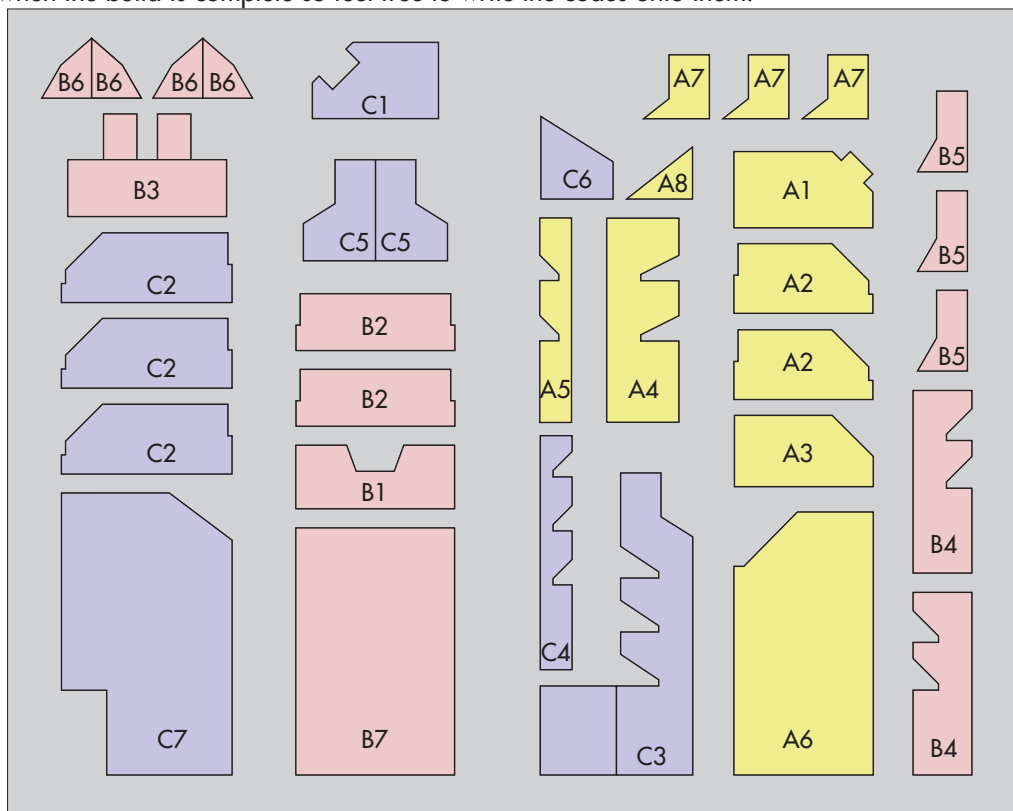


The key to the left colour codes the window glazing to which building they belong to.

Yellow: Building A  
Pink: Building B  
Purple: Building C

### 4 STRENGTHENERS.

To help identify with strengtheners go with each building below is a key to the components. Again with the same colour coding as the glazing above. Strengtheners won't be visible when the build is complete so feel free to write the codes onto them.



Building A (yellow)

Building B (pink)

Building C (purple)

- A1 - Base
- A2 - Floor x2
- A3 - Roof
- A4 - Deep side
- A5 - Narrow side
- A6 - Back
- A7 - Chimney spacers x3
- A8 - Roof support

- B1 - Base
- B2 - Floor x2
- B3 - Roof
- B4 - Side x2
- B5 - Chimney spacers x3
- B6 - Roof support x4
- B7 - Back

- C1 - Base
- C2 - Floor x3
- C3 - Deep side
- C4 - Narrow side
- C5 - Chimney spacers x2
- C6 - Roof support
- C7 - Back

## 5 PAINTING THE EDGES

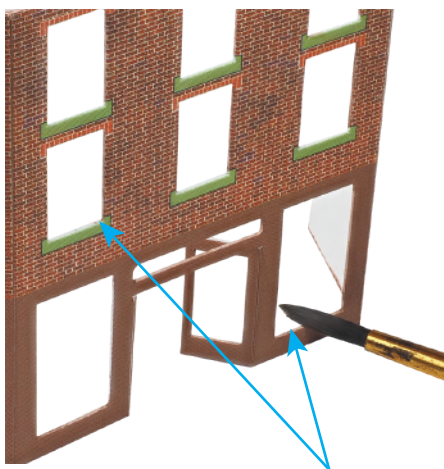
The white card that shows on the corners and edges is best painted **before you build the kit.**

All you need is a simple set of water colour paints and a fine brush.

Something like this set of 'Reeves' watercolours or even simple child's watercolours.



Mix your colour with lots and lots of water, apx. 1 part paint to 5 parts water or more. **TEST ON WASTE CARD FIRST UNTIL YOU HAVE THE CORRECT SHADE & COLOUR.**



Paint the window frame edges too.

Fold the edges of the card back fully and gently run the point of your brush along the exposed white card.

Only tiny amounts of paint on your brush. It's better to have to go over it a few times than to flood it with paint.

Before the paint dries, run your finger along the edge to rub the colour into the absorbent white card.

Then wipe away any paint that has run onto the printed surface before it dries.

Remember, you only need to just slightly tint the card with a little colour.

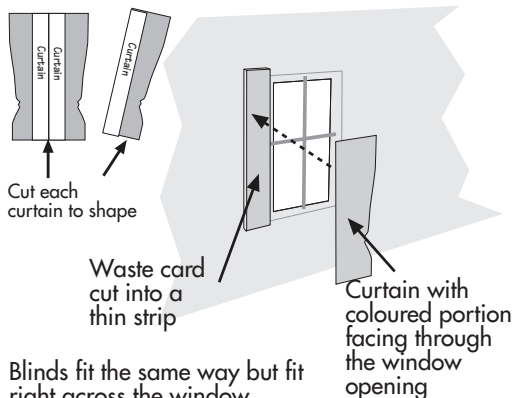
**DON'T** paint a thick solid line down the edges, you will only make it look worse.

## 6 CURTAINS & BLINDS

To fit curtains fix a small strip of waste card to each side of the window, then glue the curtain to the waste card so that it shows through the window (the waste card will space the curtain back from the window a little giving a greater effect of depth).

For extra curtains, visit this product on our website [www.metcalfe-models.com](http://www.metcalfe-models.com)

Reminders of when to add curtains and blinds will be stated during the build.

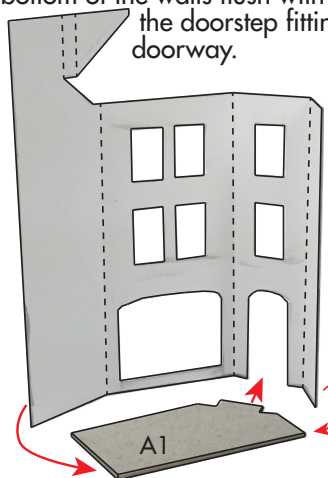


Blinds fit the same way but fit right across the window.

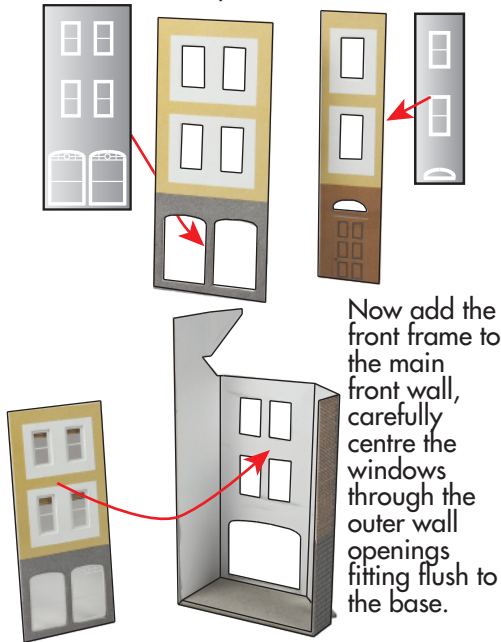
## LETS START TO BUILD!

### Fig.1. BUILDING A

Start by wrapping the Main walls around the base strengthener (A1) keeping the bottom of the walls flush with the base and the doorstep fitting through the doorway.

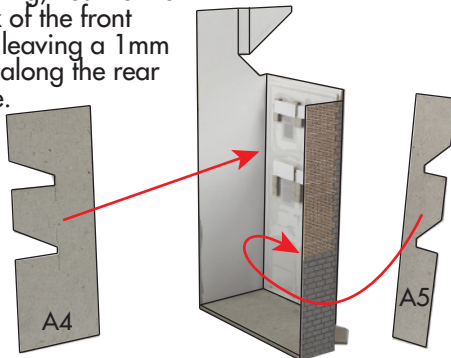


Fix the window glazing to the back of the front and side window frames. Carefully aligning the windows to the openings. If you'd like to add curtains or blinds it's best to do this now. See point 6.



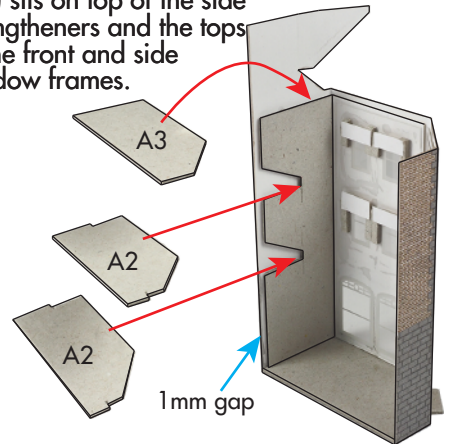
Then the side frame and door, again carefully align to the openings on the outer wall.

Add the deep (A4) and narrow (A5) side strengtheners to either side of the building, flush to the back of the front wall leaving a 1mm gap along the rear edge.

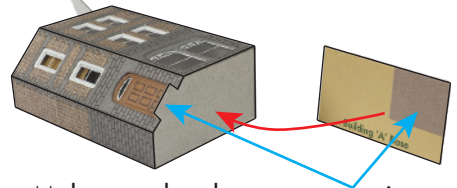


Now add the floors, fit into place the 2 floor strengtheners (A2) sliding into the slots on the side strengtheners and flush to the back of the windows.

Then the roof strengthener (A3) sits on top of the side strengtheners and the tops of the front and side window frames.



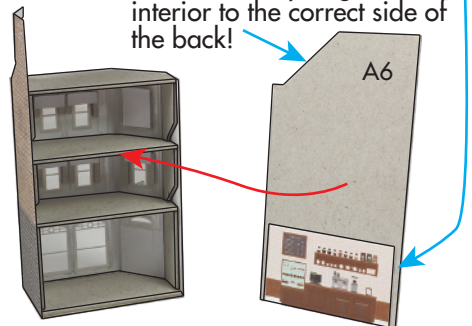
Tip the building onto its back and add the base to the bottom of the building. Keep the back and side edges flush with the base.



Make sure that the grey corner is positioned under the doorstep

Add one of the interiors to the back strengthener (A6), make sure the interior is centred with a 2mm of exposed grey board down each side and flush to the bottom edge.

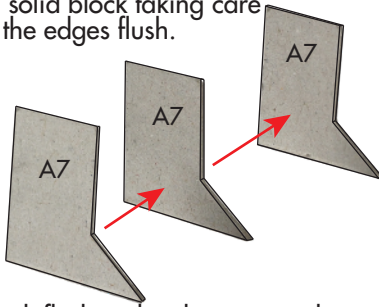
Double check you glue the interior to the correct side of the back!



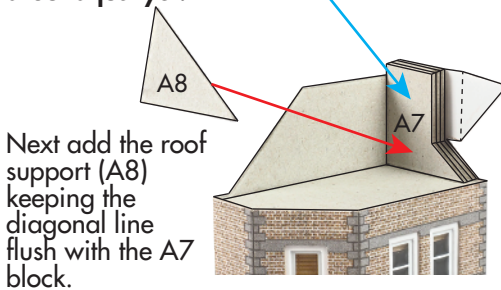
Then fix the back to the build, fitting flush against all the inner strengtheners.



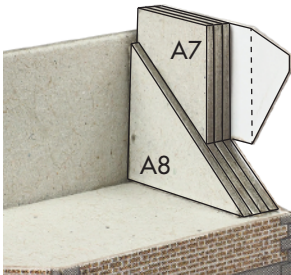
Combine the three chimney spacers (A7) into a solid block taking care to keep all the edges flush.



Add the block flush to the chimney stack side wall keeping the top edges flush. **Do not wrap the rest of the chimney stack around just yet!**



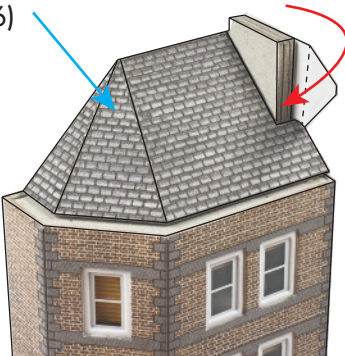
Next add the roof support (A8) keeping the diagonal line flush with the A7 block.



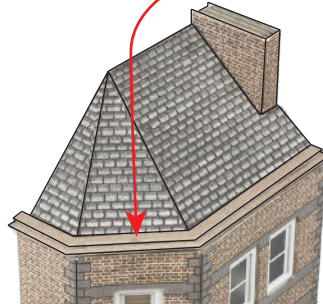
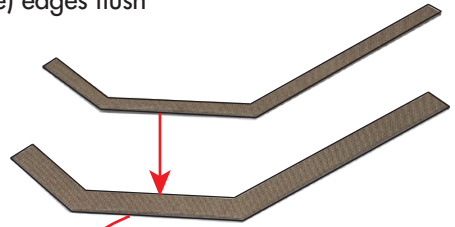
Like so.

Now add the roof, this rests on top of the roof support (A8) and the house back (A6)

Once the roof is added then wrap the rest of the chimney stack around the spacers.

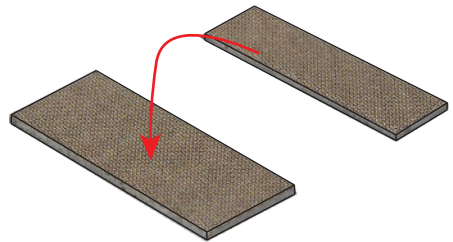


Combine the thin capping strip to the top of the wider strip, keeping the inside (of the curve) edges flush

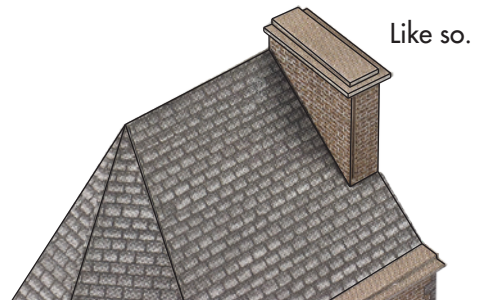


Then glue the combined strip flush to the edge of the roof leaving a slight overhang over the building walls.

Add the smaller chimney stack top stone to the top of the larger, keeping one of the shorter edges flush and an even spacing around the other three edges.



Keep the 'flush' edge to the rear and add to the top of the chimney stack.

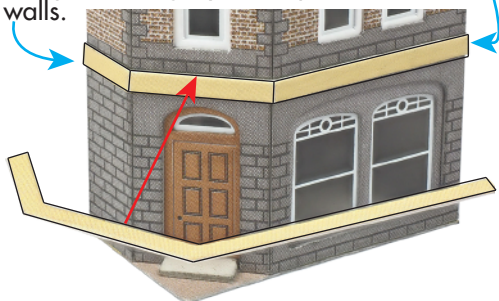


Like so.

There are two styles for signs. One style simply wraps around the walls - like so.



The second 'angled' style requires the two yellow spacers to be added first. Wrap the straight yellow spacer around the walls.

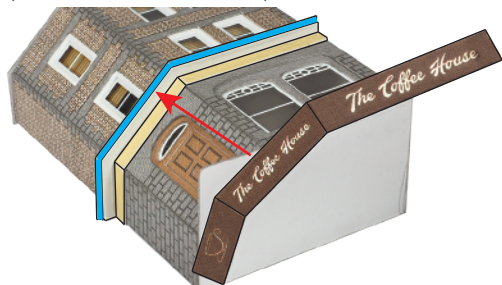


Then glue the angled spacer so it rests on top of the straight spacer.

Now add the sign top strip to the top of the angled spacer.



The sign then fits into the slot underneath the sign top strip and the angled spacer. (Marked in blue below)



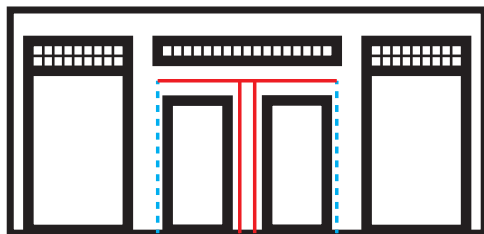
Note: the angled signs on the sheet have been labelled incorrectly as Signs 'C' rather than Signs 'A' and visa versa for Signs 'C'



Like so.

## Fig.2. BUILDING B

First off the glazing for the shop windows.

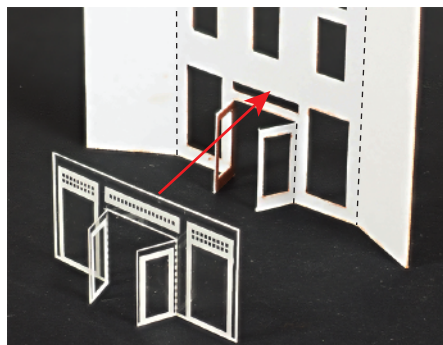


Carefully cut along these lines (marked here in red)

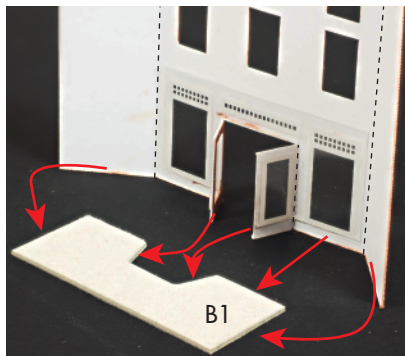
Carefully score along these dashed lines (marked here in blue)

Gently fold back the doorway windows and align to the openings on the back of the main walls.

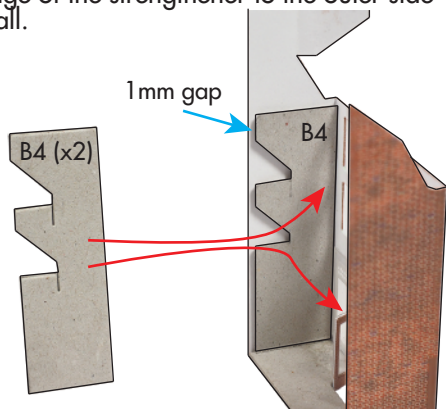
Test the fit before applying glue and take note of the angle of the doorway windows sit against the base. (see the next step)



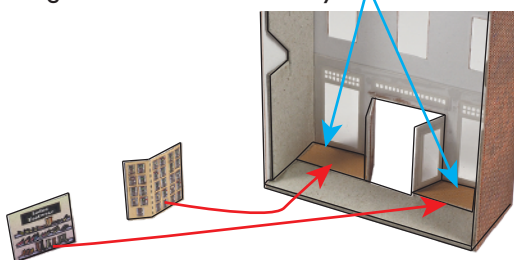
Now wrap the walls around the base (B1) tucking the doorway windows into the cut out doorway on the base.



Next add the two side strengtheners (B4), tight into the corners of the side and front wall. Leaving a 1 mm gap along the back edge of the strengthener to the outer side wall.

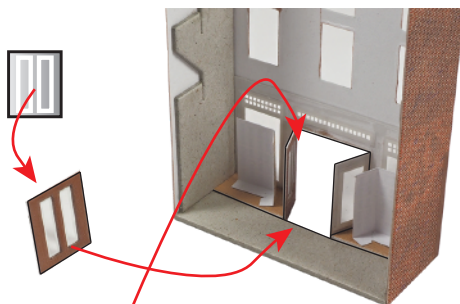


Slot the two window display shelves flush against the shop windows keeping the back edge flush with the doorway.

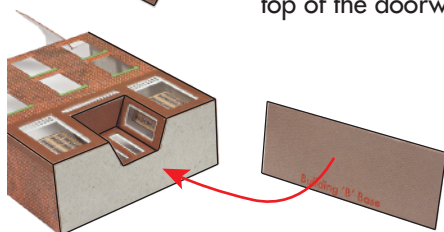


Now add the window display of your choice. Fold the tab back at a right angle and fit into place. The electric and Shoe displays fit flush to the shelf, the estate agent displays fit atop the shelf.

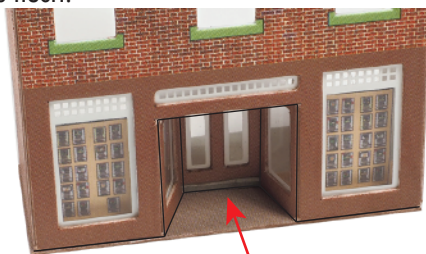
Align the door window glazing to the door then fit the door into the doorway.



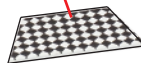
Then add the door roof (brown side down) to the top of the doorway.



Flip the building onto its back and add the base to the bottom of the build, keeping all edges flush.

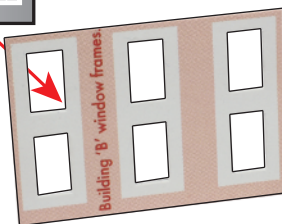


Then add the doorstep flush to the door.



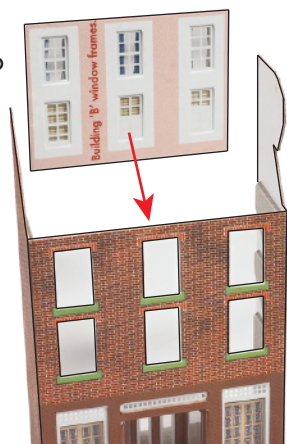
Carefully align the windows to the openings on the window frames

If you'd like curtains/blinds now is the time to add them.

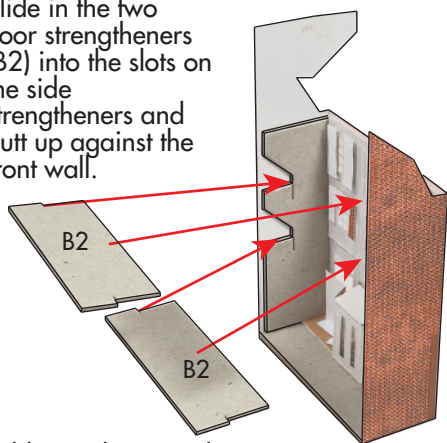




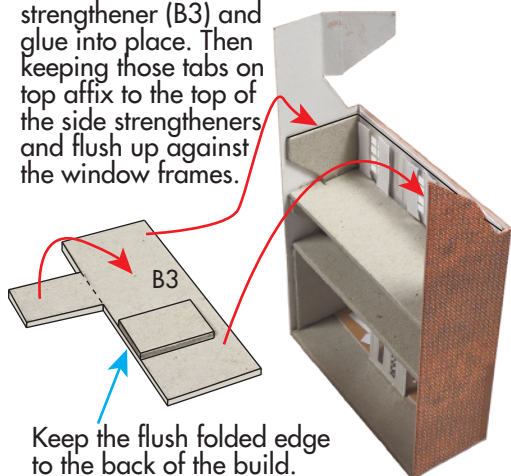
Now add the window frames to the main wall. Again take care to align the windows to the openings.



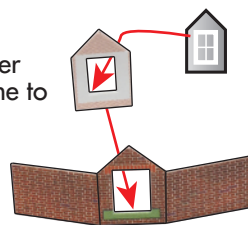
Slide in the two floor strengtheners (B2) into the slots on the side strengtheners and butt up against the front wall.



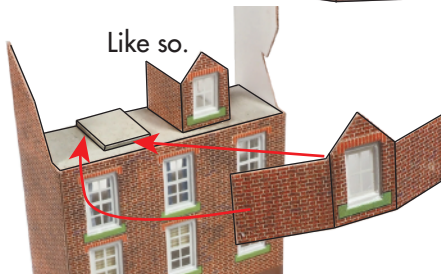
Fold over the two tabs on the roof strengthener (B3) and glue into place. Then keeping those tabs on top affix to the top of the side strengtheners and flush up against the window frames.



Align the dormer glazing to the dormer frame, then the frame to the dormer walls.

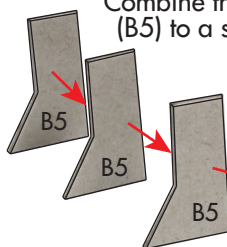


Like so.

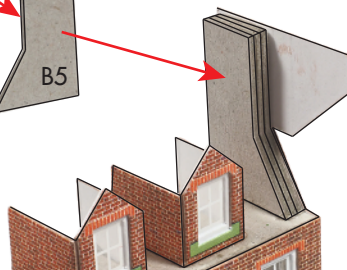


Then wrap the dormers around the roof strengthener tabs and glue flush.

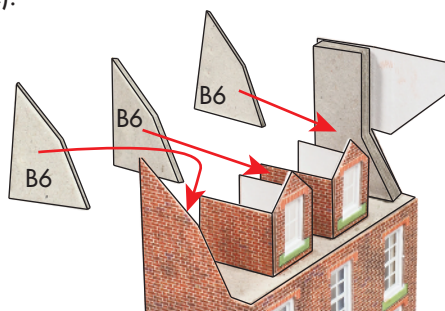
Combine the three chimney spacers (B5) to a solid block with all edges flush

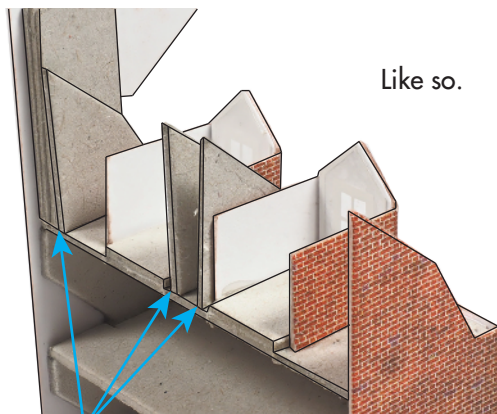


Then add to the chimney stack.



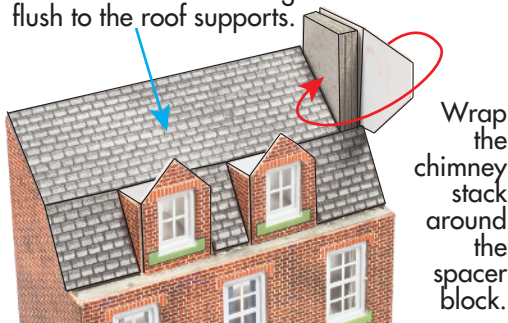
Now add the four roof supports (B6) two fix flush against either side wall, and the other two fix against the dormer walls in the centre. Keep the back straight edges flush to the edge of the roof strengthener (see next page).



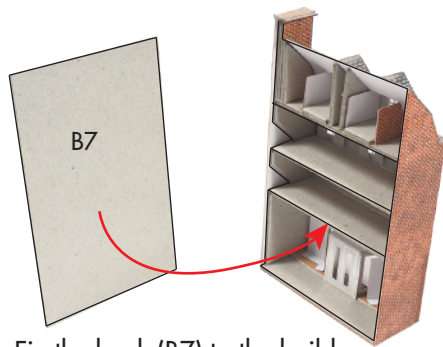
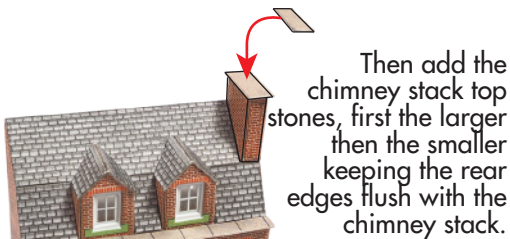
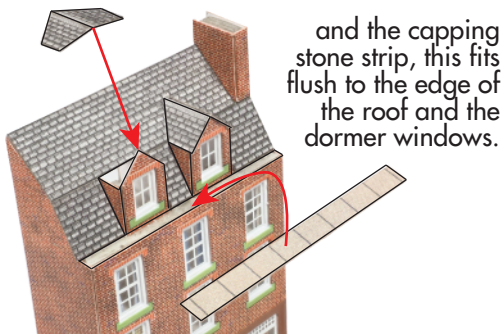


Back edges flush.

Now add the roof resting it flush to the roof supports.



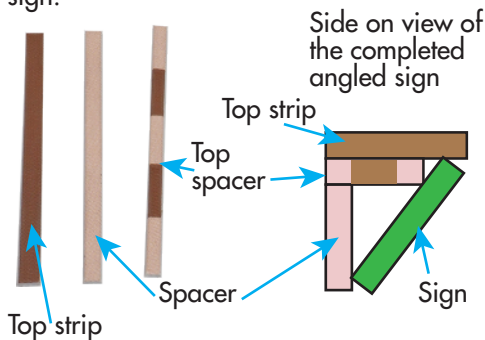
Next, the two dormer roofs



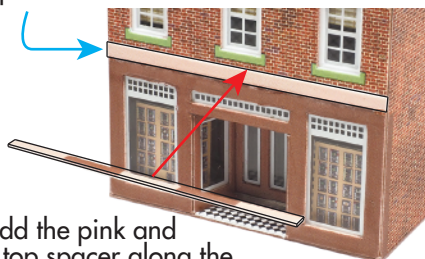
Fix the back (B7) to the build.

Now just the sign to fix. You can either fix a sign straight to the front wall or create an angled sign, these instructions follow below.

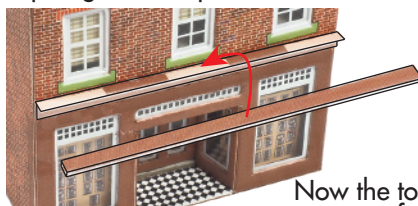
Below are the parts required for the angled sign:



First glue the pink spacer across the front of the shop front.



Then add the pink and brown top spacer along the top edge of the spacer.



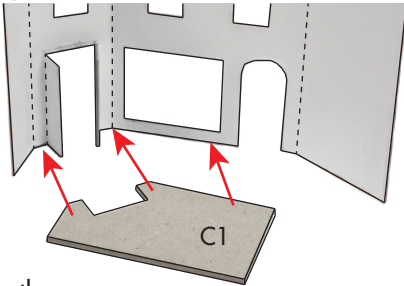
Now the top strip on top of the top spacer.



Now add the sign, this fits flush against the edge of the top spacer and underneath the top strip.

### Fig.3. BUILDING C

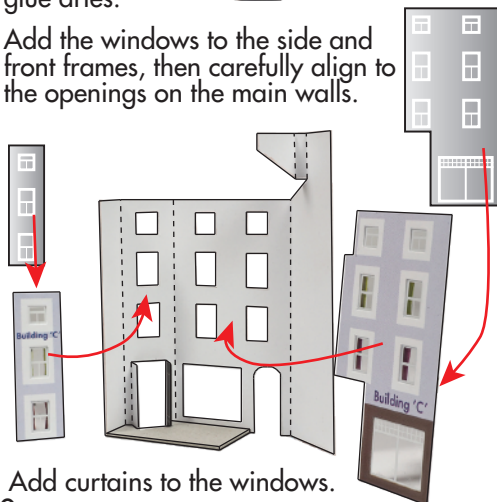
Start building C by fixing the base to the doorway and front window of the main walls.



Tip: Use the doorstep as a brace to keep the doorway walls flush against the base while the glue dries.

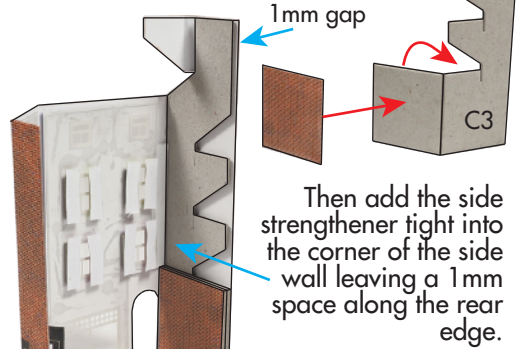


Add the windows to the side and front frames, then carefully align to the openings on the main walls.



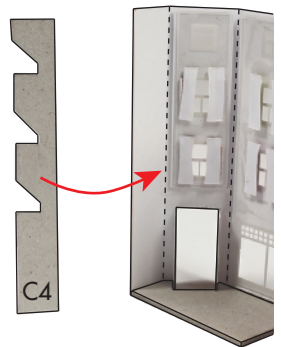
Add curtains to the windows.

Fold back and glue flush the bottom tab of the deep side strengthener (C3) to create a double thickness base. Then add the ginnel wall to the tab, again keeping the edges flush.

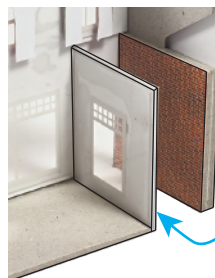
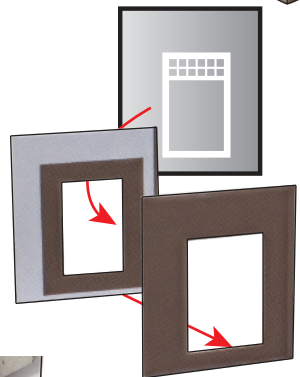


Then add the side strengthener tight into the corner of the side wall leaving a 1mm space along the rear edge.

Then add the narrow side strengthener (C4) to the opposite side, again leaving a 1mm space along the rear edge.



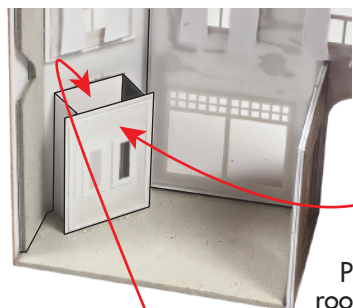
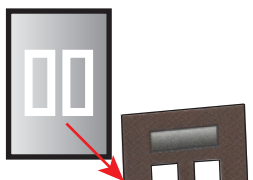
Add the window glazing to the ginnel window inner frame, then the inner frame to the outer frame. Keeping the edges flush.



Then add the ginnel window flush to the edge of the base and up against the edge of the front window frame.



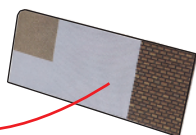
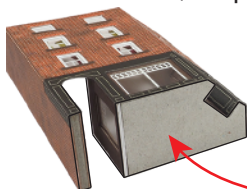
Add the door window glazing to the back of the door, then add to the doorway walls



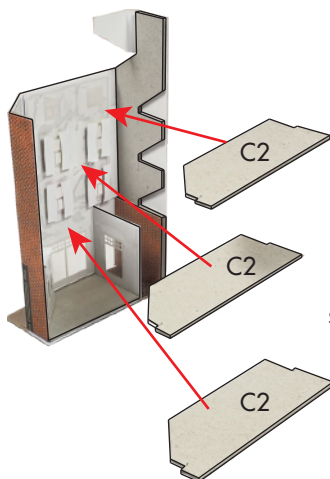
Place the door roof, brown side down to the top of the doorway.



Tip the build onto its back and add the base to the underside, keeping the edges flush.

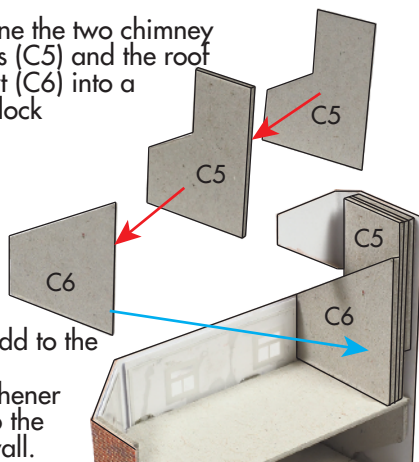


Slide the doorstep into place.

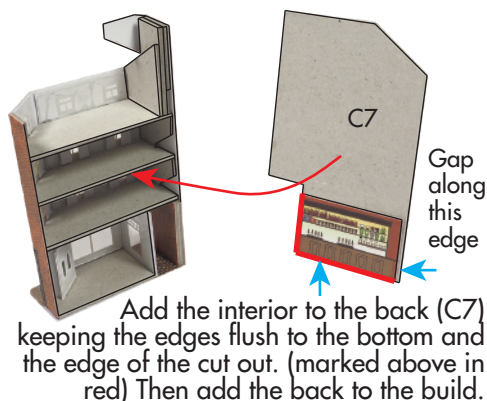


Next add the three floor strengtheners (C2). Fit them into the corresponding slots on the side strengtheners and flush to the front wall.

Combine the two chimney spacers (C5) and the roof support (C6) into a solid block

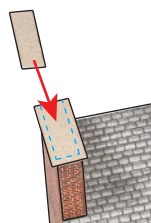
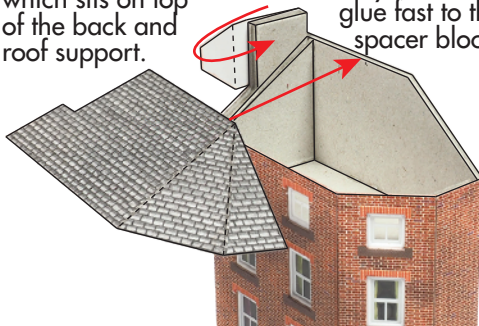


Then add to the side strengthener flush to the front wall.



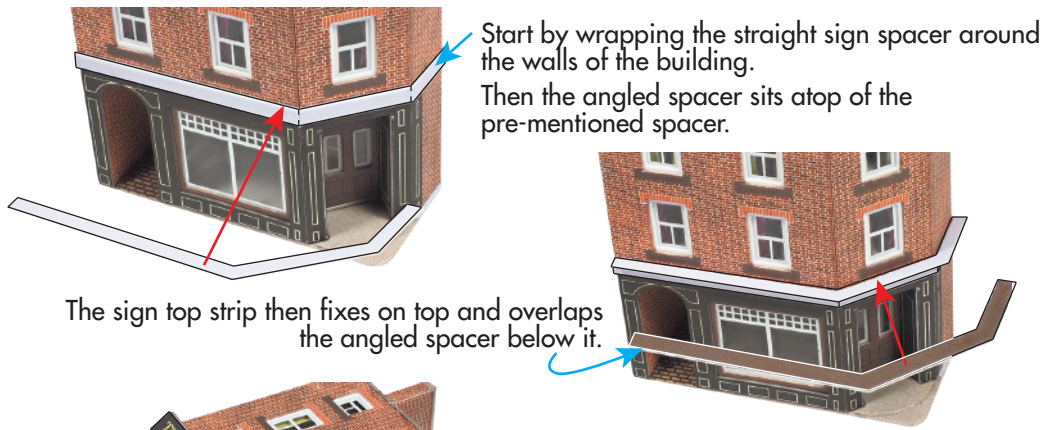
Add the roof which sits on top of the back and roof support.

Then fold around the chimney stack and glue fast to the spacer block.



The chimney stack top stones come next, add the larger then the smaller top stones to the chimney stack.

Like the other two buildings there are two alternative styles of signs to add, either a flush sign that simply wraps around the outer walls or an angled sign as outlined below.



Then the sign fits flush to the overlapping underside of the top strip and flush against the spacers.

Finally add chimney pots and ridge tiles to complete the three buildings.

