

PN933 N Scale S. & C. Railway Station

CHECK LIST

This pack should contain the following:

- 1 x Printed sheet with main building.
- 1 x Plain grey die cut sheet of thick card.
- 1 x Plastic window glazing sheet.
- 1 x L1. Laser cut red window frames.
- 1 x L2. Laser cut grey card strengtheners.
- 1 x L3. Laser cut dark grey ridge strips.
- 1 x L4. Laser cut barge boards.
- 1 x Instruction booklet.

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:

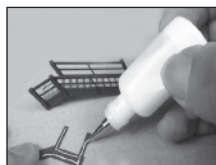
- 1. A modellers knife.
- 2. A pair of sharp scissors.
- 3. A steel ruler.
- 4. Glue - See *glues*.
- 5. Ultra Fine Tip Glue Applicator, see below.
- 6. A cutting surface - a sheet of card or cutting mat will do.
- 7. Fine point tweezers.
- 8. Water colour paints and a very fine brush for painting edges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

BOSTIK All Purpose Clear Adhesive.

Also **SPEEDBOND** by Deluxe Materials.

see www.deluxematerials.com

All work in our Ultra Fine Tip Applicators.

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.

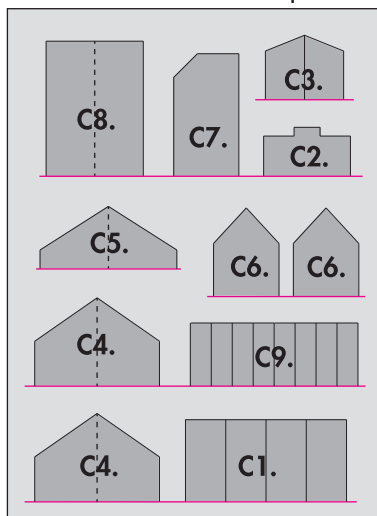
Example of builders yard.



Extract all the components from the printed sheet and place like this in the builders yard.

3 The die cut grey card.

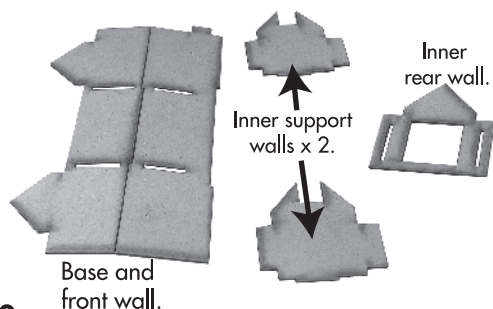
Here is the key for identifying the inner strengthening components for the kit. The red lines indicate the score lines that you need to cut to release the components.



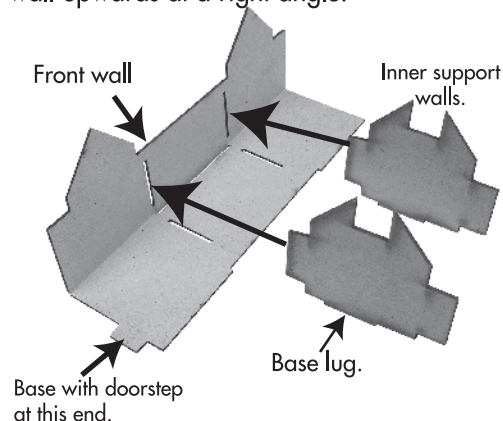
- C1. Front gable inner floors (2 for each gable).
- C2. Front Porch floor.
- C3. Front Porch inner side walls.
- C4. Front gable inner roof x 2.
- C5. Rear gable inner roof.
- C6. Side building end wall joiners x 2.
- C7. Side building ceiling.
- C8. Side building inner roof.
- C9. Chimney spacers x 8 (4 for each chimney)

4 The Laser cut Inner Frame.

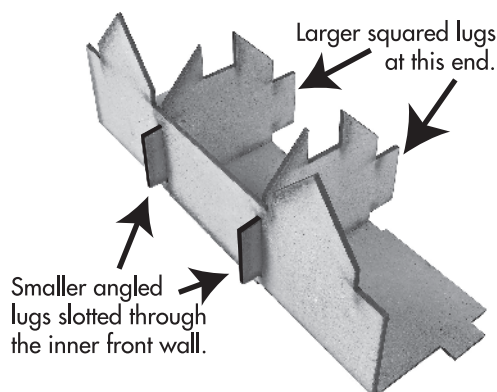
The components for this are on Laser cut sheet **L2**. The inner main roof and floor for the side building are also on this sheet.



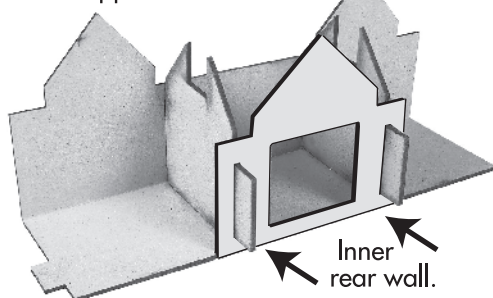
Turn base card over and fold the inner front wall upwards at a right angle.



Inner walls slot through the long holes in the front wall. Base lugs in base slot into the holes in the base.



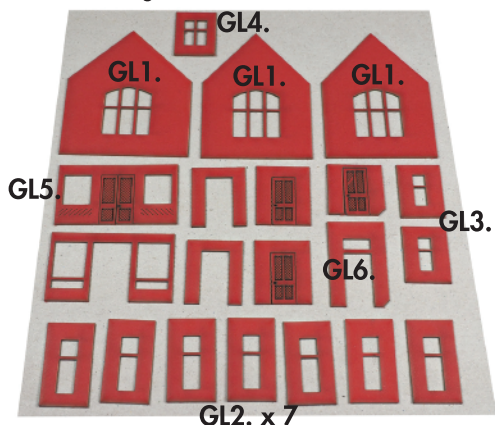
The inner rear wall slots onto the lugs on the inner support walls.



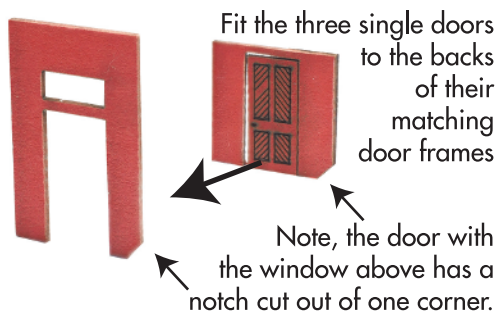
And there you have it, a complete inner frame, ready for the rest of the building to be fixed around it.

5 The Windows.

Carefully push out all the red window and door frames along with the doors from laser sheet L1.



Now cut out the glazing pieces and fit each one to the back of its matching window frame with the matt white printed side facing through the openings. It's pretty obvious where they fit, but the picture above is numbered just in case.



Place in builders yard until needed.

6 Painting Corners and Edges.

The white card that shows on the corners and edges is best painted **before you build the kit**. It is well worth the small amount of work needed to do this, and makes a world of difference to the finished look of your model.

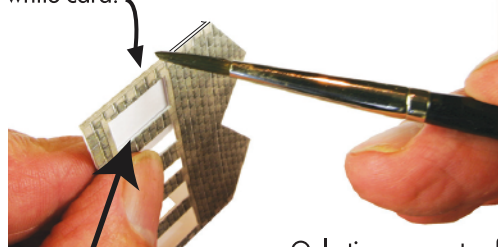
All you need is a simple set of water colour paints and a fine brush. We use these Rowney paints and the lid is used for mixing the colours.

Mix your colour with lots and lots of water, approx. 1 part paint to 5 parts water or more.



TEST ON WASTE CARD FIRST UNTIL YOU HAVE THE CORRECT SHADE & COLOUR.

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



Paint the outer edges too, and the inner edges of the window openings.

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.

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

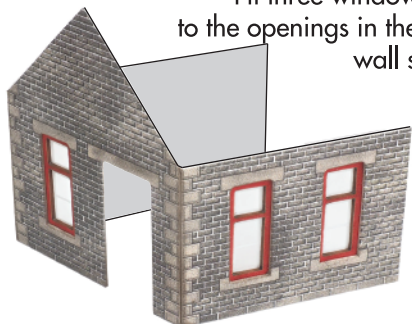
As this kit has a stone finish the only colour you will to mix is a light brown. Mix brown with a tiny bit of black and lots of water to give a dirty fawn colour. For the edges of the roof sections just darken down a bit with a little more black paint.

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.

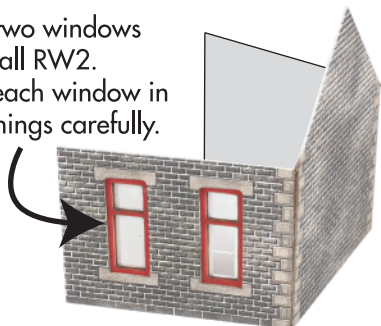
7 The Outer Walls.

Fit three windows GL2. to the openings in the RW1. wall section.

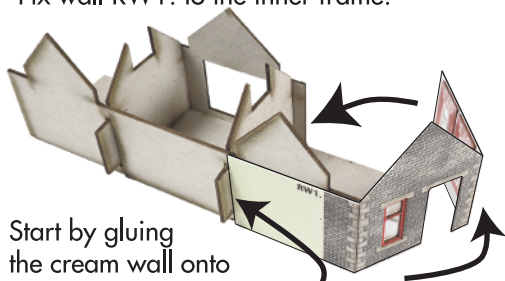


DON'T FIT THE DOOR YET.

Also fit two windows to the wall RW2. Centre each window in the openings carefully.

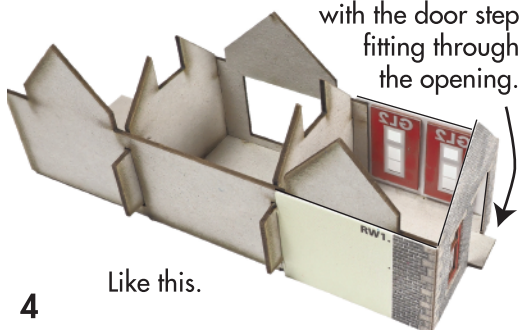


Fix wall RW1. to the inner frame.



Start by gluing the cream wall onto the frame pushed up tight against the small lug.

Fold the walls around the base card with the door step fitting through the opening.



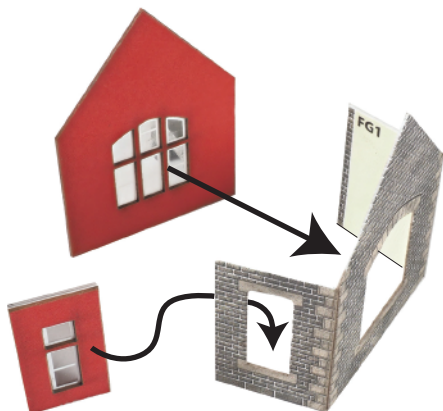
Like this.

Now fit the wall RW2. to the other end in exactly the same way



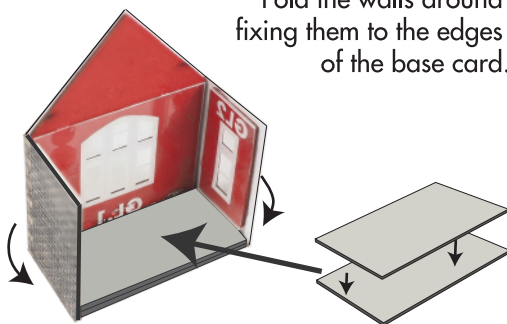
8 The Front and Rear Gables.

Starting with the two front gables, fit the large window unit (GL1.) then the side window (GL2.). Centre in each opening.



Glue two of the grey base cards together (C1. on grey sheet).

Fold the walls around fixing them to the edges of the base card.



Fix the gable to the front of the building like this, with the wall marked FG1 fixed to the small lug that sticks through the inner front wall

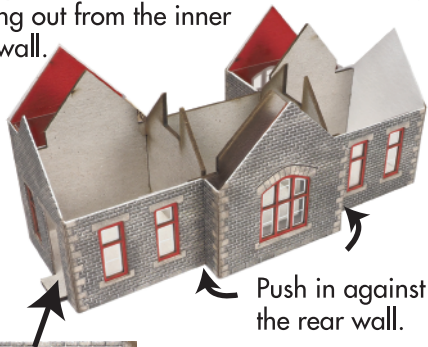


Side window facing outwards.



Now repeat with the other gable FG2.

Now the rear gable, which just has the one window and no base card. The side walls just fold around and fix to the two lugs sticking out from the inner rear wall.



Push in against the rear wall.



You can now fit the door (with the small window above it) into the opening in the end gable wall.

DON'T FORGET THE DOOR It is hard to fit once the roof is on, without making a mess.

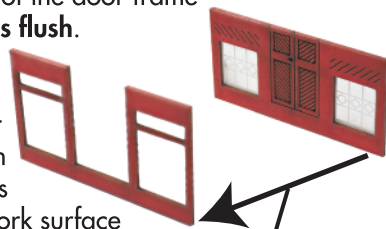
9 The Inner Roof. Sheet L2.

This grey laser cut roof section fits down onto the main part of the building slotting around the three inner gable supports.



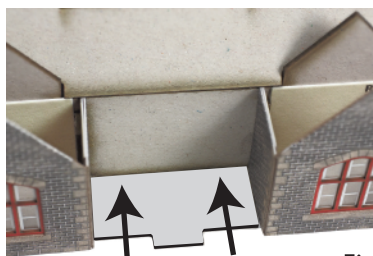
10 The Front Porch.

Start with the door. Fit the glazing to the openings either side of the door, then fix to the back of the door frame top edges flush.



Turn over and align top edges flat on work surface

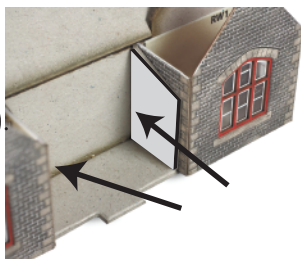
Turn back over and this is what it looks like, with a gap along the bottom of the door to allow the doorstep to fit under.



Push floor back against the wall, doorstep facing out.

Fit the porch floor (C2. on grey card).

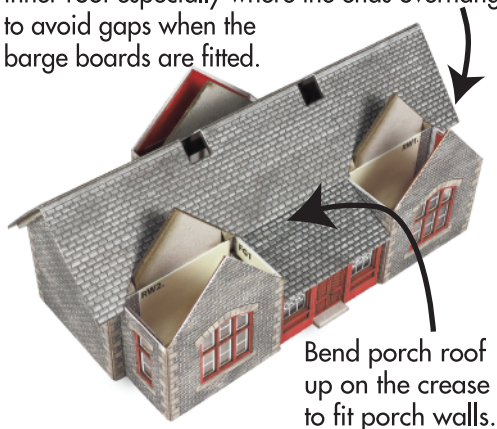
Next, fit the two inner porch side walls (C3. on grey card) Push them in against the front wall and down on the porch floor.



The porch door fits up against the inner side wall and over the doorstep.

11 The Roof.

Glue the main roof down tight on to the grey inner roof especially where the ends overhang to avoid gaps when the barge boards are fitted.

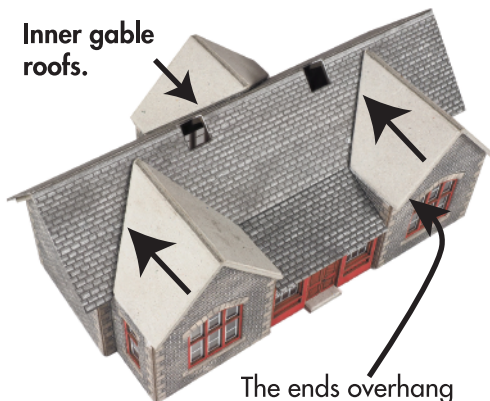


Bend porch roof up on the crease to fit porch walls.

Next fit the gable inner roof sections (marked C4. on grey sheet for front gables and C5. for rear gable)

Fix them down on top of the gable walls with the angled ends against the printed roof.

Inner gable roofs.



The ends overhang the gables by a couple of millimetres or so.

Fit the printed gable roofs tight down onto the inner roofs.



12 The Barge Boards. Sheet L4.

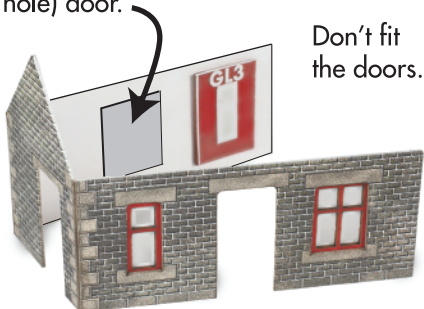
You will have noticed by now that where the inner roofs overhang the gables, they are slightly shorter than the printed roofs above. This is to allow the barge boards to fit against the edge of the inner roof and up under the printed roof, holding the boards at the correct distance away from the gable walls, but without hindering the tiny holes cut into the surface of the barge boards.



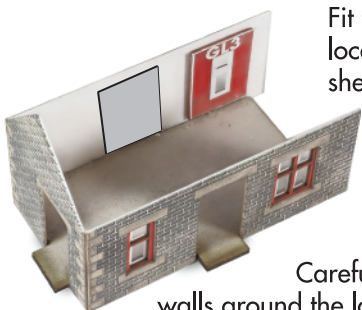
Fit all five barge boards to the building now. Note, the rear gable is slightly larger than the others.

13 The Side Building.

Fit the three remaining windows to the appropriate openings and the small rear (coal hole) door.

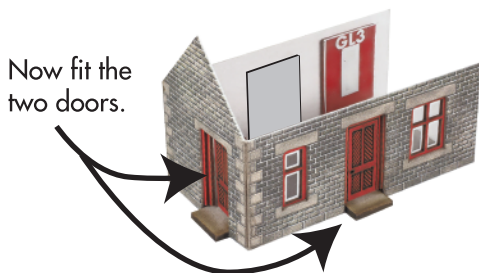


Don't fit the doors.



Fit the floor, located on laser sheet **L2**.

Carefully wrap the walls around the laser cut floor with the doorsteps sticking through the openings. Stand on flat surface as you do this and fix the walls to the floor with tiny spots of glue.

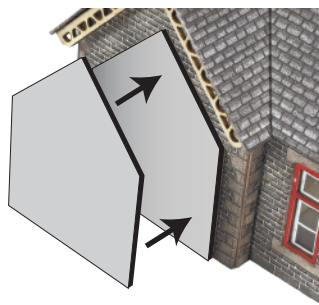


Now fit the two doors.

Fit the grey card ceiling (**C7**. on grey card) Push up tight against the gable end wall.

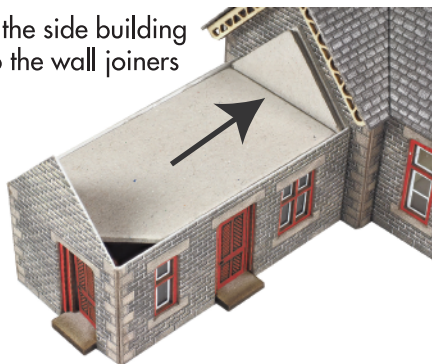


Glue the two end wall joiners **C6**. together all edges flush.

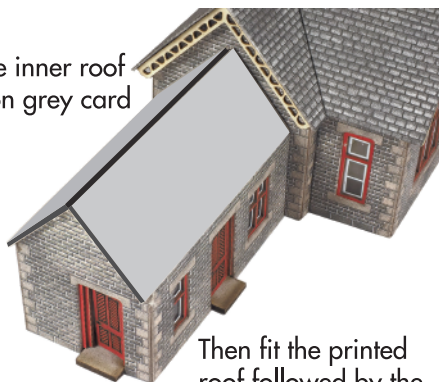


Fix to the gable wall centred.

Slot the side building onto the wall joiners



Fit the inner roof **C8**. on grey card

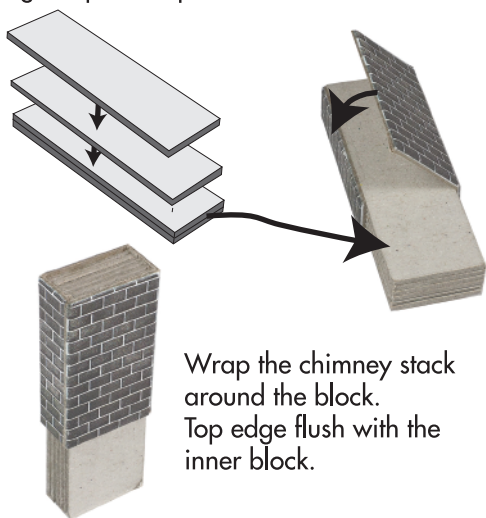


Then fit the printed roof followed by the small barge board.



14 The Chimney Stacks.

Take **Four** of the **C9**. chimney stack spacers and glue them together in a block with all edges squared up.



Wrap the chimney stack around the block.
Top edge flush with the inner block.

CHIMNEY POTS

Cut out the terracotta coloured strips below and roll each one tightly around a metal rod to form a cylindrical shape.

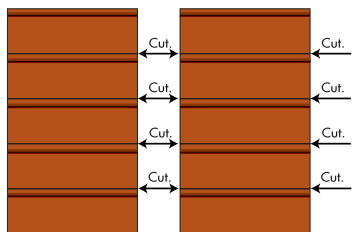
Drill bits, nails or even knitting needles can be used for this job.

It needs to be apx. 2mm. in diameter for N scale.

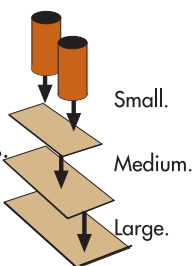
Then roll the strip around the metal rod.

Roll up tight and keep rolling until the paper is fully curled around.

Then unroll the end back out just enough to smear with a little glue, then roll back up and hold tight until the glue has set.



Mount the pots on to the chimney capping stones before fixing to the main chimney stacks.



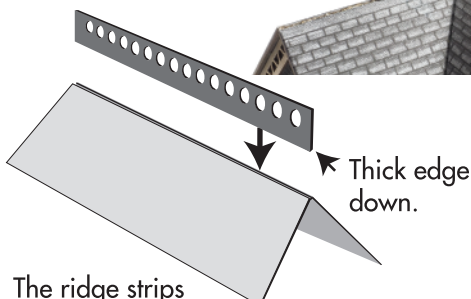
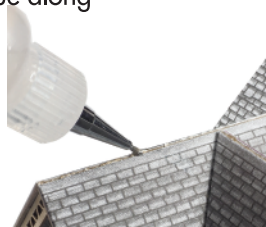
The completed chimney stacks now simply push down inside the holes in the main roof.

Don't glue them in place, they may need to be lifted back out when you are fitting the roof ridge tiles

15 The Ridge Tile Strips. **Sheet L3.**

The ridge tile strips are long strips of grey card, laser cut with holes that stand vertically in the tiny groove along the roof ridge.

Run a thin strip of glue along the groove using the fine tip glue applicator.



The ridge strips are all cut to correct length for each roof ridge, so don't cut any of them down.

