

PO315

00 Scale

Little Cardleywick Station

A small fictitious space saving station with all the features of a larger station but sits on a small footprint.

INSTRUCTIONS

PLEASE READ THESE INSTRUCTIONS BEFORE YOU START TO BUILD.

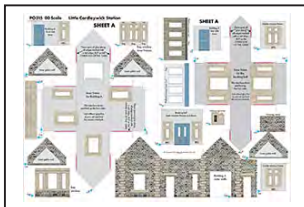
It is important you familiarise yourself with all the components and building techniques.

CHECKLIST.

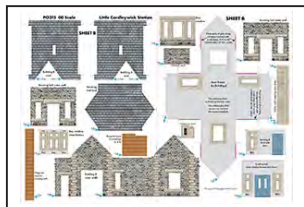
- 1 x SHEET A. Components for Building A & Booking Hall.
- 1 x SHEET B. Components for Building B & Roofs.
- 1 x SHEET C. Plain Grey Card - internal strengtheners etc.
- 1 x GLAZING SHEET.
- 1 x INSTRUCTION BOOKLET (this one).

Kit components at a glance.

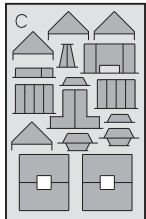
SHEET A.



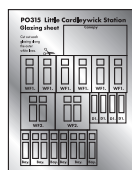
SHEET B.



SHEET C.



GLAZING SHEET.



1 Tools to build this kit.

To build this kit you will need a few basic tools:

1. A modellers knife. We find that a Swann Morton knife with 10a blade is the best tool for the job.
2. A cutting surface - A cutting mat or thick card will do.
3. A sharp pair of scissors
4. A steel ruler.
5. Fine point tweezers.
6. METCALFE Ultra Fine Tip Glue Bottles (see 3).
7. Water colour paints to paint over corners and edges. Although painting edges on this kit isn't really needed.

2 Glue.

We recommend using a combination of glue:

Speed Bond is slightly slow drying, ideal for where a little positioning is required as you build.

UHU All Purpose solvent free.

This is the **best** glue for fixing the plastic glazing to the window frames.

Rocket Card Glue is an instant and fast drying glue, great for where you need stuff to stay just where you place it. Supplied with its own fine tip applicator.



3 Ultra Fine Tip Glue Applicators.

An absolute 'must' when building this kit. When used with **Speed Bond** or **UHU** perfect amounts of glue can be applied to very precise areas without any mess.

Speed Bond in an applicator was used to build most of this kit.
UHU for fixing the glazing.

A METCALFE product supplied in packs of 3
Product code MT907 Glue not included



Care & Use of glue applicators

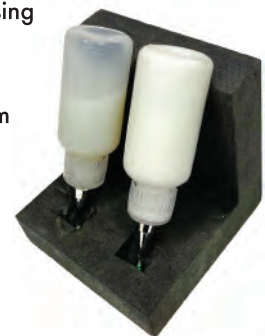
Always replace the pin if not using for more than a couple of minutes. The nozzle will block up from time to time, so simply tip the bottle up as shown here and push the pin inside, then vigorously push and pull the pin whilst squeezing the bottle at the same time. This allows the glue to moisten the dry glue in the nozzle.

If this doesn't help, then take the metal nozzle off and rod it out with the pin from the other end.

Speed Bond is a water based glue so running warm water over it as you go helps soften any hard glue in the nozzle.

ALWAYS store the bottles upside down when not in use. This keeps the glue moist around the nozzle end of the bottle.

This simple holder was made using hard foam corner packaging (out of a furniture flat pack). You could also fashion one from styrene foam packing.



When using the bottles stick the pin into the foam for safe keeping.

They are very easy to lose!

All tools & Glues available at:
www.metcalfe-models.com

4 Extracting components from base sheets.

To stop the components falling off the base sheets, they are held secure with score lines (marked with blue arrows) that cut 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.

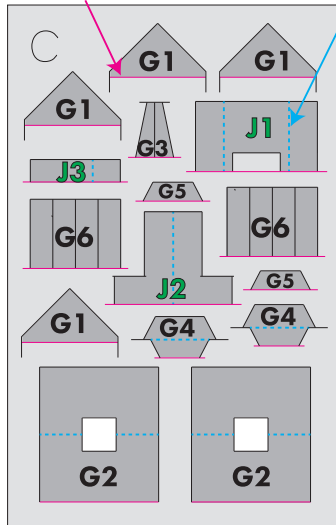
WARNING, Cut with care to reduce the risk of the blade running out of the score and cutting the component.

NOTE: After extracting all the components from the base sheets, keep all the bits of waste card. They come in handy for all sorts of things.

5 GREY SHEET C Components.

RED lines indicate score rules you need to cut to release components from base sheet.

BLUE lines indicate fold lines - Don't cut.



Key.

- G1. Inner roof supports x 4.
- G2. Inner Roofs x 2.
- G3. Canopy supports x 2.
- G4. Bay window roofs x 2.
- G5. Bay window top roofs x 2.
- G6. Chimney spacers 2 x 4 lots.
- J1. Canopy supports spacer Jig.
- J2. & J3. Jig components to make perfect chimney spacers.

START BUILDING

The easiest way with this kit is to extract ALL the components from sheets A, B, & C. Carefully place them outside your working area on a piece of card as shown here or a tray.

Make sure you keep track of each piece as you go and place them in neat piles so you don't lose any of the smaller components.

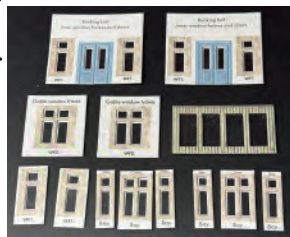


This is now known as your "Builder's Yard".



Next cut out all the glazing pieces and attach each to the back of its matching window frame.

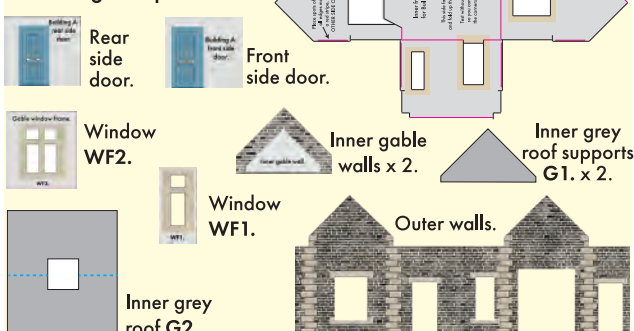
Like this.



Note: The small D1. glazings are for the back of the two double doors. Now place them all back in your builder's yard.

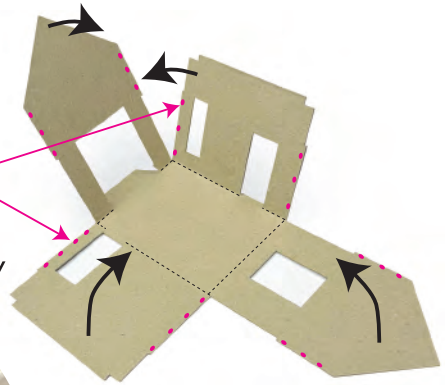
1 Building A.

You will need the following components:

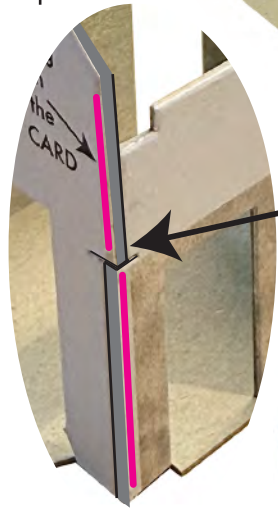


Read the instructions on the Inner frame and play around with it so you understand how the corners slot together.

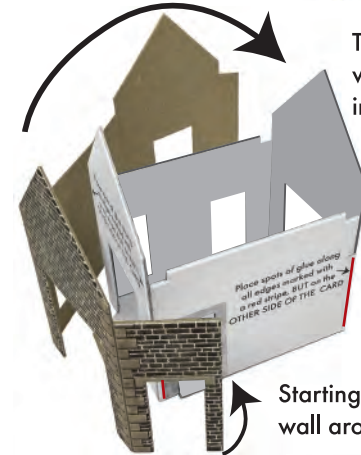
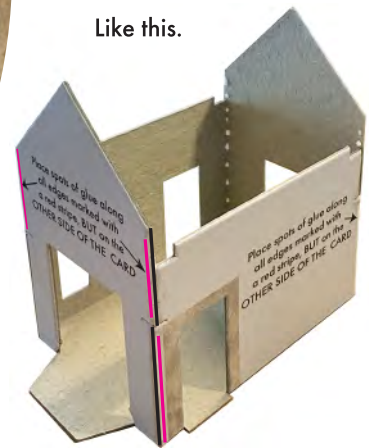
Place spots of glue (shown here in red for identification) on the back side of the red strips. Fold up the four side walls and slot each corner carefully in place.



Make sure all four corners are slotted together.



Like this.

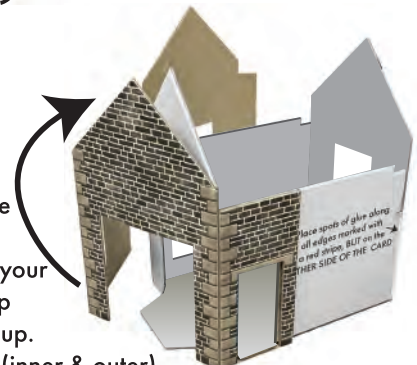


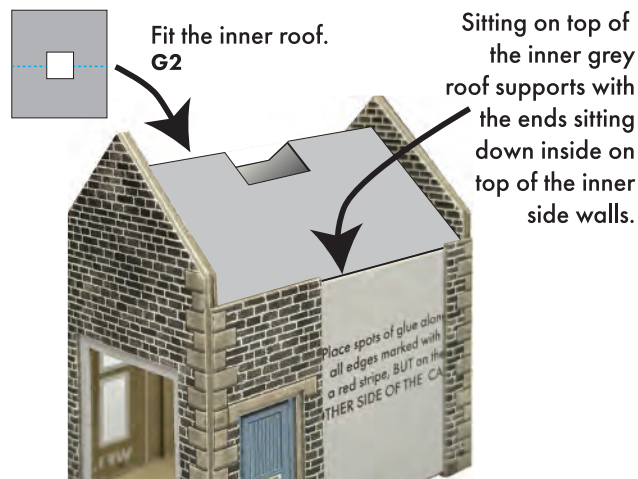
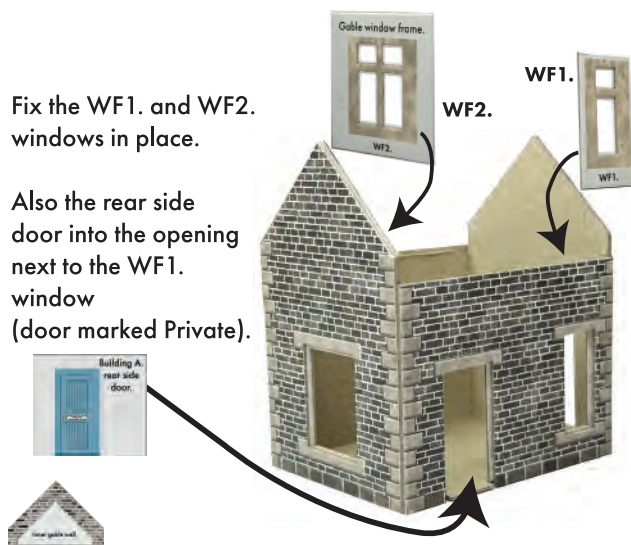
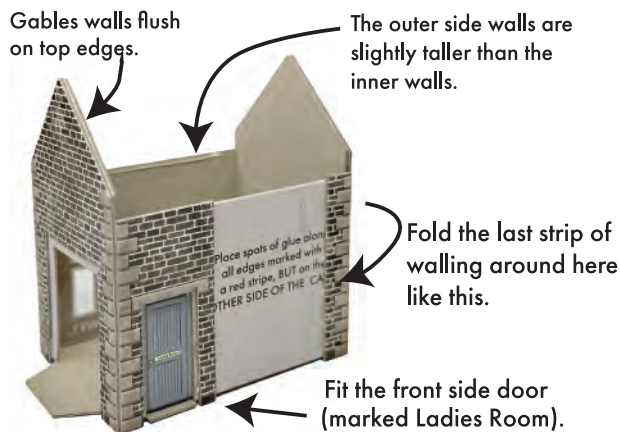
The outer walls now wrap around the inner frame.

Test without glue first so you see how it fits. If it doesn't fit then, check all the corners of the inner frame that they are slotted correctly.

Starting at this corner, fix the wall around the doorway.

Wrap walls around the inner frame keeping everything on a flat surface. As you go make sure you press the gable walls down against your work surface to keep everything squared up. The gable wall tops (inner & outer) should be flush with each other.

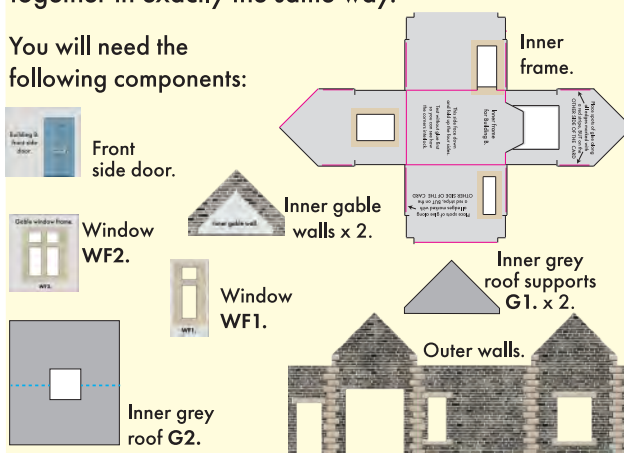




2 Building B.

This building is a mirror image of building A. and fits together in exactly the same way.

You will need the following components:



The only difference between this, and building A. is that this building has no outer side door. Otherwise construction is just the same.

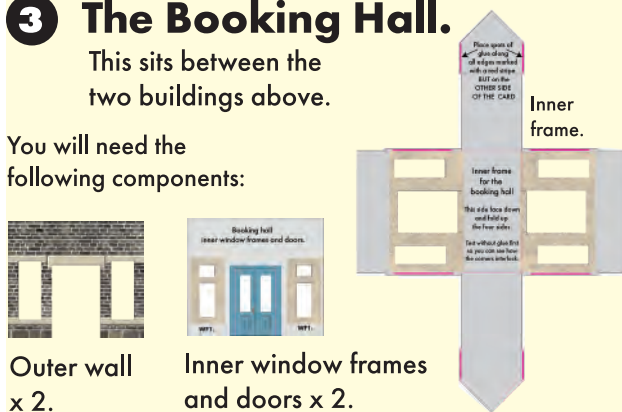


Once built, you will have two buildings like this.

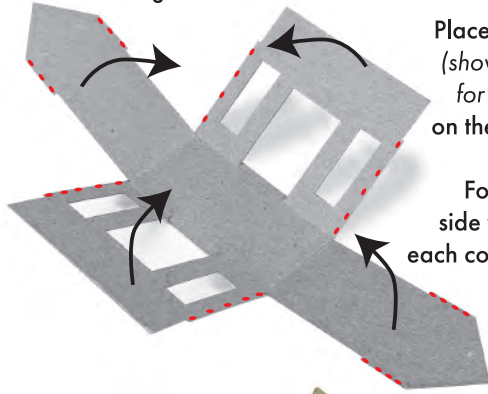
3 The Booking Hall.

This sits between the two buildings above.

You will need the following components:



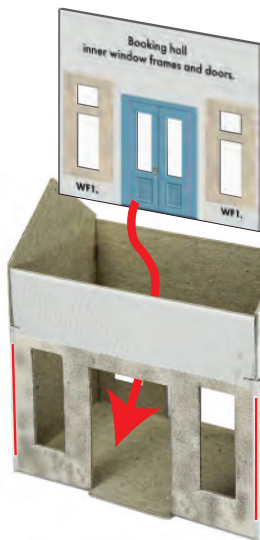
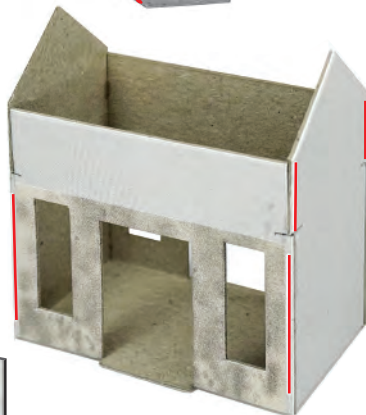
As with the other inner frames turn it over and fold up the side and end walls without glue first so you see how the corners slot together.



Place spots of glue (shown here in red for identification) on the back side of the red strips. Fold up the four side walls and slot each corner carefully in place.

Like this.

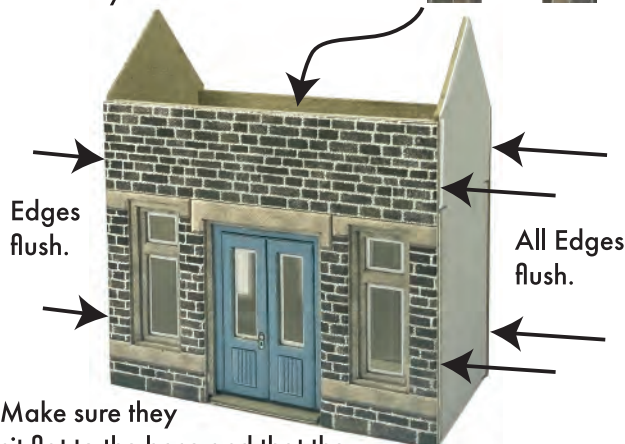
Make sure all four corners are slotted together correctly.



Fix the two cards containing the inner windows and doors inside the building and facing through the door and window openings on each side of the building.



Finally fix the two outer walls.



Make sure they sit flat to the base and that the side edges are flush with the building. If you end up with a wall slightly overhanging past the end of the building, trim it flush otherwise you may have difficulty getting the roofs to fit later.

4 Fix the Buildings Together.

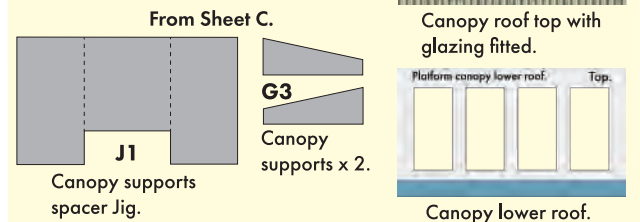
Make sure that end walls of the booking hall building are sitting in the recessed grey area.



View from street side.

5 The Canopy.

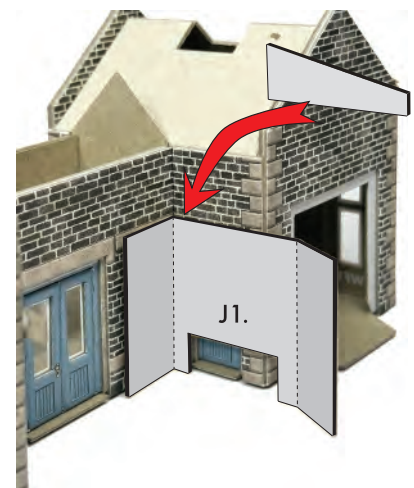
You will need the following components:



The canopy sits on top of the two small grey supports that need fixing to the side walls at either side of the building. Like this, pushed tight into the corner above the door.

To position the supports at the correct height stand the Jig (J1.) in the corner, then affix the support to the wall as show above.

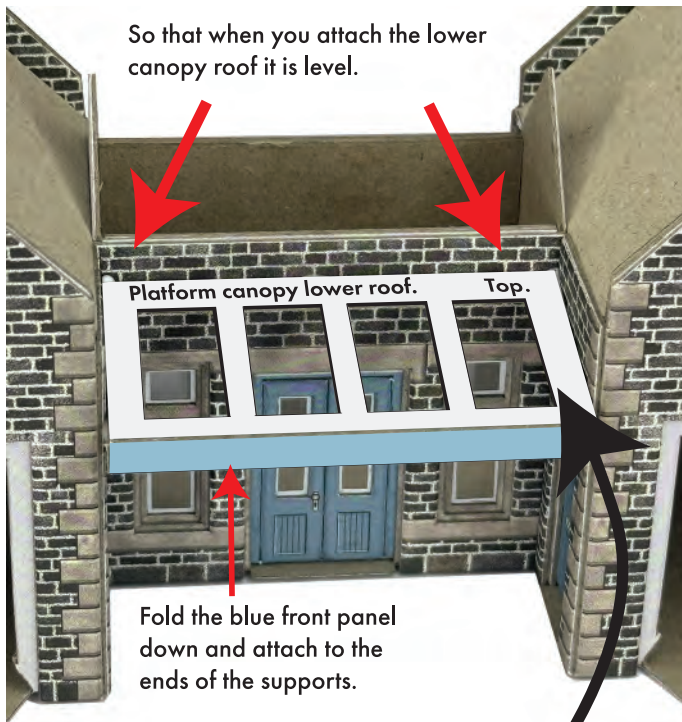
Then repeat on the opposite wall.





Like this.

Make sure that your jig is firmly sat down on your work surface. The supports must be at the same height on each side.



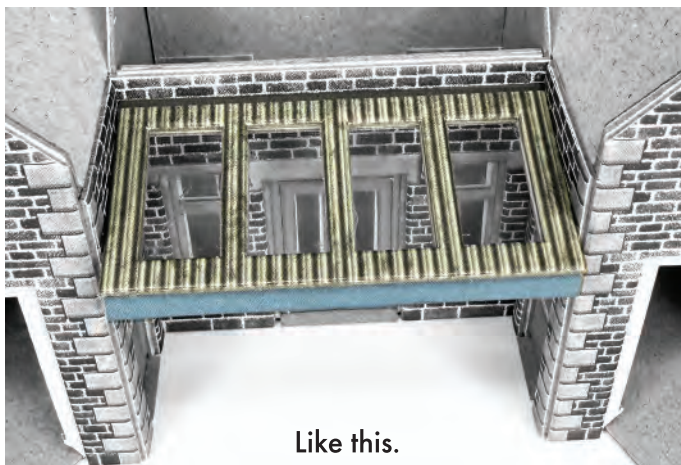
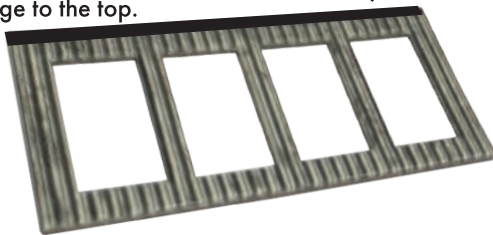
So that when you attach the lower canopy roof it is level.

Platform canopy lower roof. Top.

Fold the blue front panel down and attach to the ends of the supports.

Then fix the top roof section.

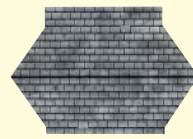
Dark grey edge to the top.



Like this.

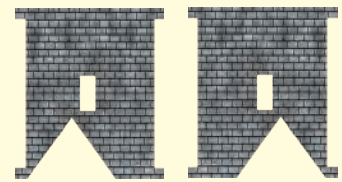
6 The Roof.

You will need the following components:



Booking hall roof.

Booking hall ridge tile strip.



Buildings A. & B. roofs.

Small ridge tile strips for buildings A. & B.

Gable wall capping stone strips x 4.

The booking hall roof fits on first as shown here.

Longer edge at this side.



Then the two side buildings roofs.

PLAY AROUND WITH ALL THREE ROOF SECTIONS WITHOUT GLUE TO START WITH so you get a feel for how they fit.



Note: Where the roofs join together you will get a tiny strip of grey card showing in the valleys. If this really bothers you, simply paint the card underneath a slightly darker grey

The ridge tile strips go on next



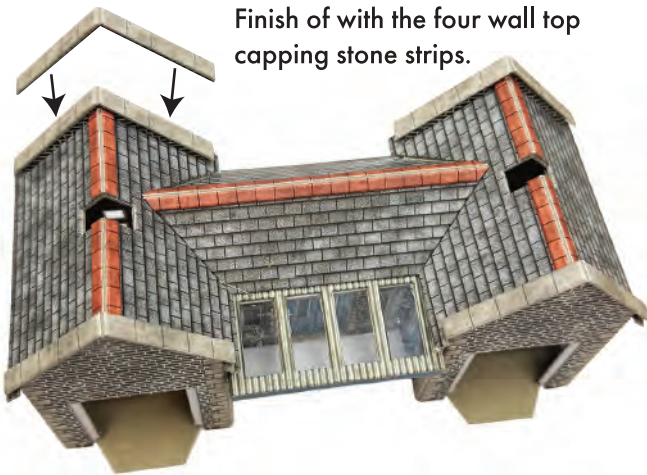
The long strip for the booking hall roof needs the ends trimming down to a point as shown (apx 40°)

Fit to roofs as shown



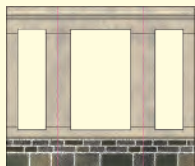
The slightly longer strips fit to the front end of the roofs.

Finish off with the four wall top capping stone strips.

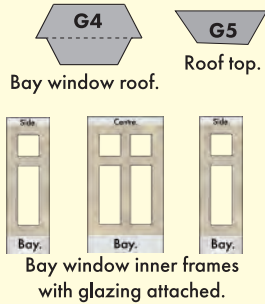


7 The Bay Windows.

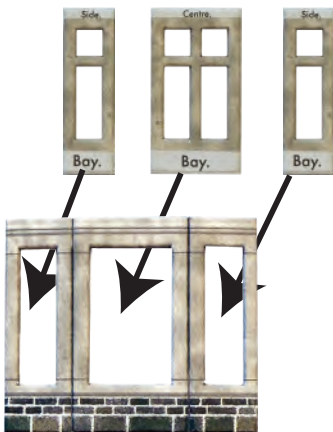
For each bay window you will need the following components:



Bay window.



Fix the two side and centre bay window frames to the back of the bay window, facing through the openings.



Like this.



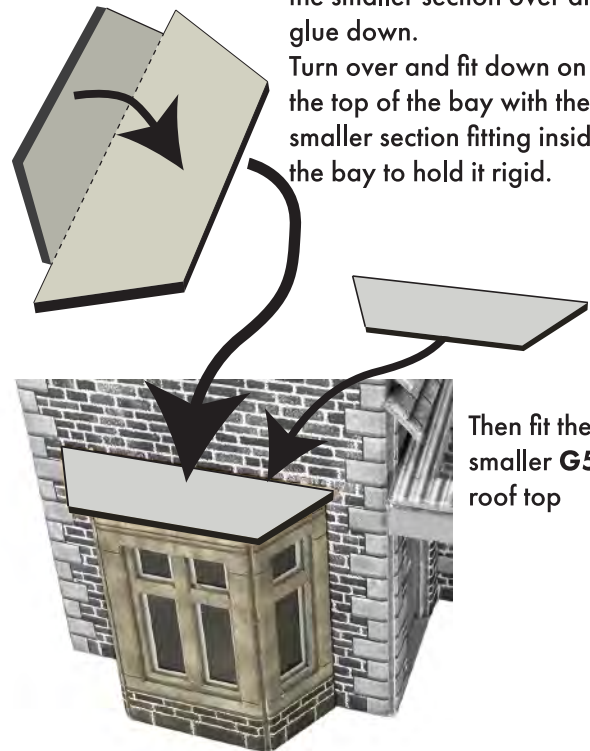
Fit the bay window



Slot the sides into the recessed area and wrap around the base card.

Take **G4**. Bay roof and fold the smaller section over and glue down.

Turn over and fit down on to the top of the bay with the smaller section fitting inside the bay to hold it rigid.



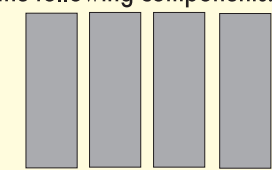
Then fit the smaller **G5**. roof top



Like this.

8 The Chimneys.

For each chimney stack you will need the following components:



Four grey chimney spacers G6.



Chimney stack.



Chimney top stones CS1. & 2.

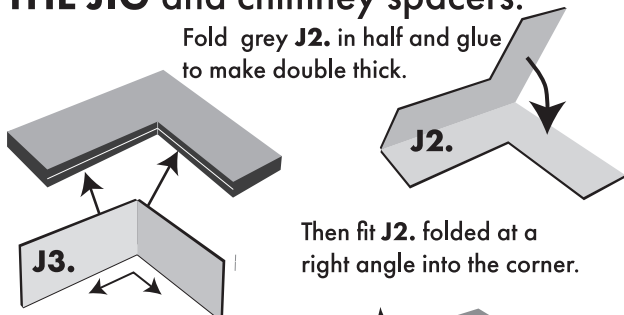


Jig components J2. & J3. to make chimney spacers.

Carefully read these instructions before you do any gluing

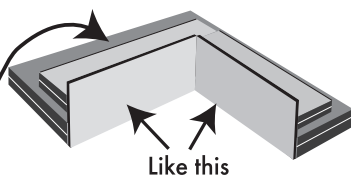
THE JIG and chimney spacers.

Fold grey J2. in half and glue to make double thick.

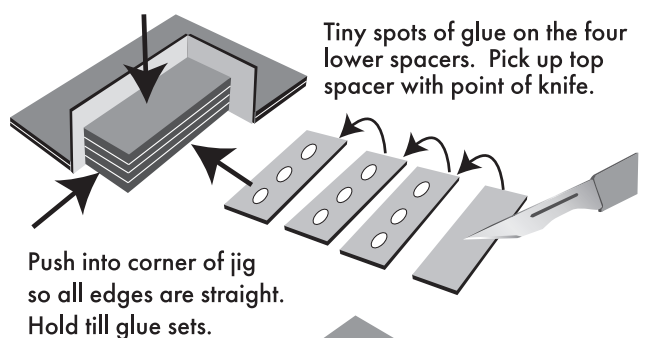


Then fit J2. folded at a right angle into the corner.

Pack behind with waste card to strengthen.



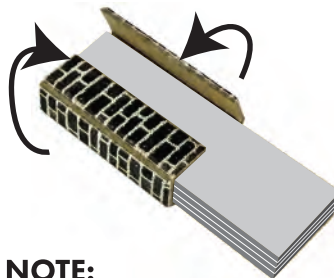
Like this



Push into corner of jig so all edges are straight. Hold till glue sets.

And there you have it.

The chimney spacer block.



The chimney stack wraps around the spacer block and the two ends meet butt ended together.

Flush on top edges.

NOTE:

We have found that the grey card for the spacer blocks can vary a little in thickness. Test before you glue the blocks to make sure the chimney stack will wrap around easily and not too tight. If it is tight, cut a piece of waste card from the printed sheets which is slightly thinner than the grey card and use to replace one of the grey cards. Alternatively, de-laminate a thin layer from the grey spacer block if you have already glued it.



9 Chimney Pots.

This job can seem a little tedious but well worth the effort. It's a job best done whilst watching TV, listening to the radio or even a podcast!

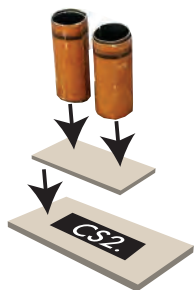
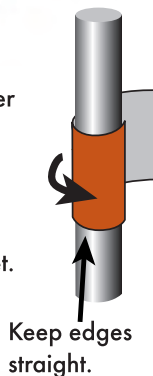
Cut out the terracotta coloured strips (below) roll each one tightly around a metal rod to form a cylindrical shape.

Drill bits, nails or even small screw drivers (like this one right) which is 3.6 mm diameter are just right for the job.

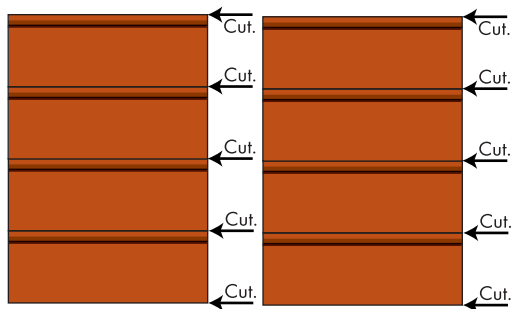
They needs to be between 3 to 4mm. diameter for 00 scale.

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.

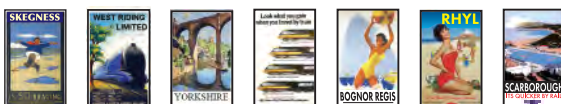
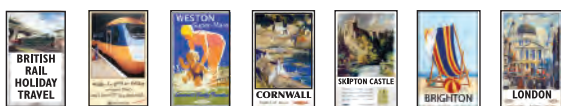
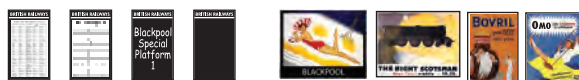


Fix the pots onto the CS1. & 2 capping stones before attaching to the top of the chimney stack



Signs & Posters

Fold in half and glue back to back.



Push the chimneys down into the holes in the roof.



Getting into the building from street level.

We are often asked how the passengers get up to the entrance of the station from street level when the building is standing on top of one of our platform kits (PO216 or PO235).



A simple ramp like this one made from left over bits from the platform kit.