

# PO341 00/H0 Wall Backed Platform Canopy kit

## CHECK LIST

This kit should contain the following:

- 1 x SHEET A. Printed with walls.
- 1 x SHEET B. Printed with the platform.
- 1 x Plain Grey Card with strengthening parts.
- 1 x Laser Cut Cream Card with canopy parts.
- 1 x Laser Cut Dark Grey Card with canopy roof components.
- 1 x Laser Cut Mid Grey Thick Card with canopy inner parts and construction jig.
- 1 x Glazing sheet for canopy roofs.
- 1 x Edging & Patching sheet.
- 1 x Ridge tiles card.
- 2 x INSTRUCTION SHEETS.

## READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START

To construct this kit you will need the following:

1. A modellers knife and a pair of sharp scissors.
2. A steel ruler.
3. Glue - See *best glues in next column*.
4. Ultra Fine Tip Glue Applicator, see *right*.
5. A cutting surface - a sheet of card or cutting mat.
6. Fine point tweezers to hold smaller components.
7. Water colour paints and a very fine brush for painting edges and corners.

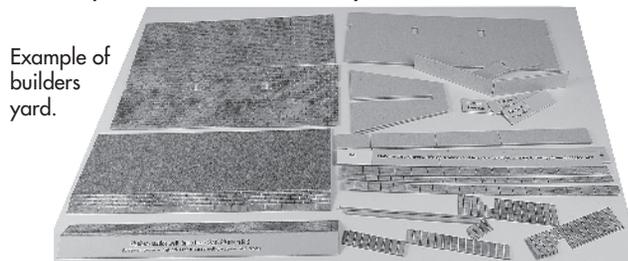
## GETTING STARTED

### 1 EXTRACTING COMPONENTS FROM SHEETS.

To stop the components from falling off the sheets, they are held secure with scorelines. 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 scorelines and they will come seamlessly away. These scorelines 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 out of the score and cutting into the kit 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.

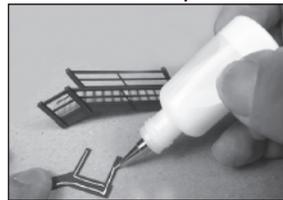


Example of builders yard.

Only extract the components from printed sheet 'A' and the grey strengthening card. Build the platform and back wall first, before you get to the canopy.

# INSTRUCTION SHEET 1

The **METCALFE Ultra Fine Tip Glue Bottles** are essential for gluing the smaller components in this kit.



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



Always replace the pin after use and store the bottles upside down to keep the glue moist.

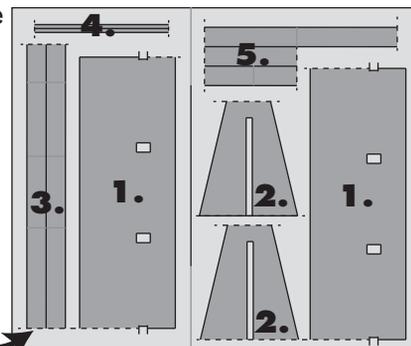
## UHU Solvent Free All Purpose Adhesive Glue

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)

## PLAIN GREY STRENGTHENING CARD

This card contains the bits that fit inside the kit to strengthen and hold it together, plus a couple of buttresses to hold the wall verticle when fitting the laser cut canopy components.

The dotted lines indicate the score lines you need to cut to extract the components from the base sheet.

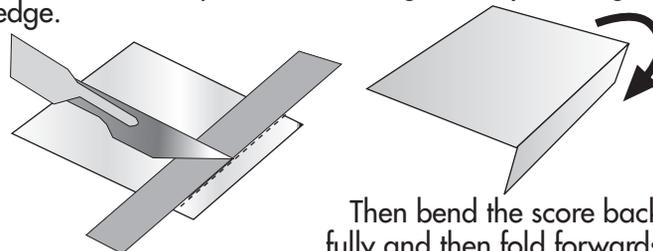


### Key to components:

1. Back wall inner spacers.
2. Back wall buttresses (these hold the back wall vertical whilst you build the canopies).
3. Platform supports (triangular)
4. Platform front spacer strips.
5. Platform supports (right angled).

## GLAZING

The glazing in this kit is quite thick and is easier cut to size by scoring along the outer edges of the window sections with the point of a knife, guided by a straight edge.



You will end up with six sheets of glazing like this.



Shown here in black for identification only.

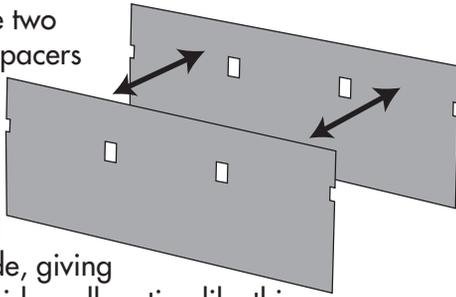
Then bend the score back fully and then fold forwards and the unwanted edge will snap cleanly off.

**NOTE:** It is important that you cut the glazing sides as indicated, otherwise the roof won't fit properly if they are cut bigger than shown.

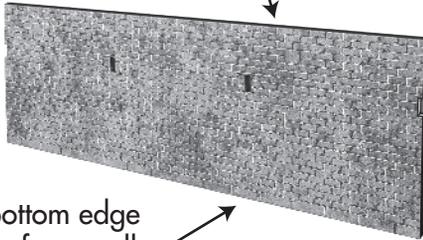
## Fig. 1. THE BACK WALL.

Glue together the two inner back wall spacers  
**All outer edges must line up flush.**

Then fix the two outer printed walls to either side, giving a nice thick two side wall section like this.



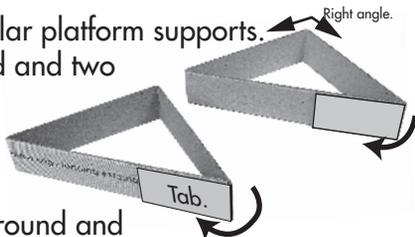
When sticking on the back wall make sure it is the right way up, with the large stones running along the bottom edge to match up with this front wall.



**Now put underneath a pile of heavy books to hold it flat whilst the glue dries.** Watch out that all edges stay flush. It's easy to slew them if the weights are not lowered carefully on to the wall. **LEAVE FOR HALF AN HOUR OR LONGER, the glue must be fully dry to stop any bending or peeling.**

## Fig. 2. THE PLATFORM.

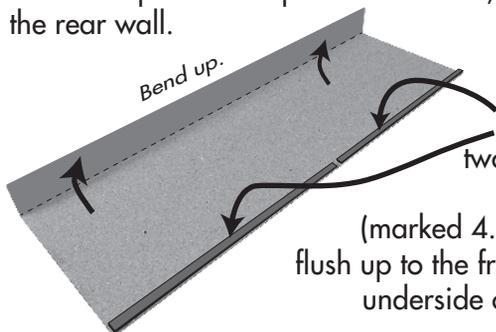
Start with the triangular platform supports. There are two printed and two plain grey. They go together in the same way.



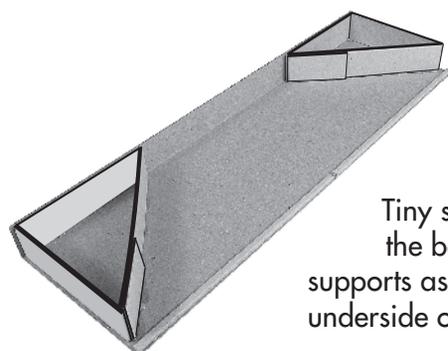
Fold the the scores around and glue the short tab on the outside edge of the triangle. That way the opposite corner sits at a right angle.

### PLATFORM TOP

Turn the top over and place face down, then bend up the rear wall.



Then stick the two thin platform front spacers (marked 4. on grey card) flush up to the front edge of the underside of the platform.



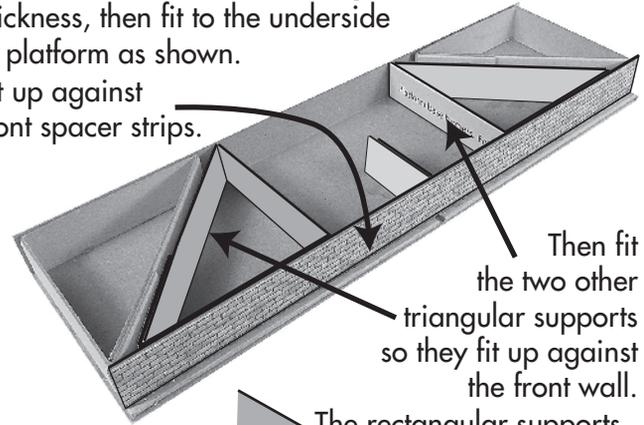
Now attach two of the triangular supports so that they hold the rear wall vertical.

Tiny spots of glue along the bottom edges of the supports as well to fix them to underside of the platform top.

## Fig. 2. continued.

Fold the front wall in half and glue to make double thickness, then fit to the underside of platform as shown.

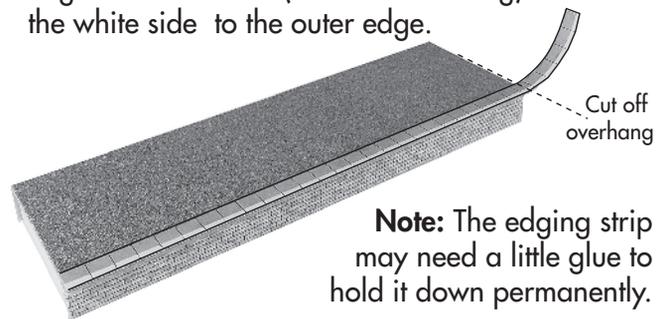
Fit up against front spacer strips.



Then fit the two other triangular supports so they fit up against the front wall.

The rectangular supports can be fitted into other spaces to hold walls rigid.

Turn the platform over and fit the edging strip to the edge of the rail side (with the overhang) the white side to the outer edge.



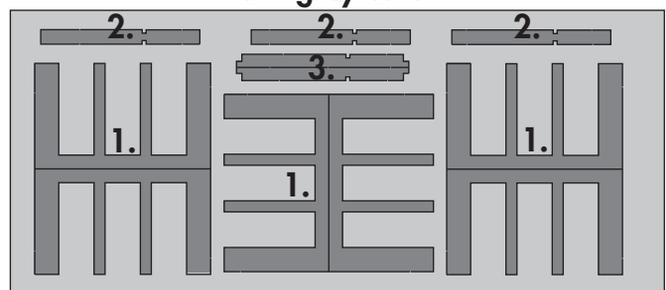
**Note:** The edging strip may need a little glue to hold it down permanently.

## THE CANOPY.

Start by extracting all the components from the three sheets and put them in your builders yard. To extract, hold up to the light and you will see that the parts are held in place with tiny 'pips'. With gentle pushing and bending they should snap cleanly away from the base sheet. Take care not to bend the components.

To identify the parts refer to the following details and component keys shown here.

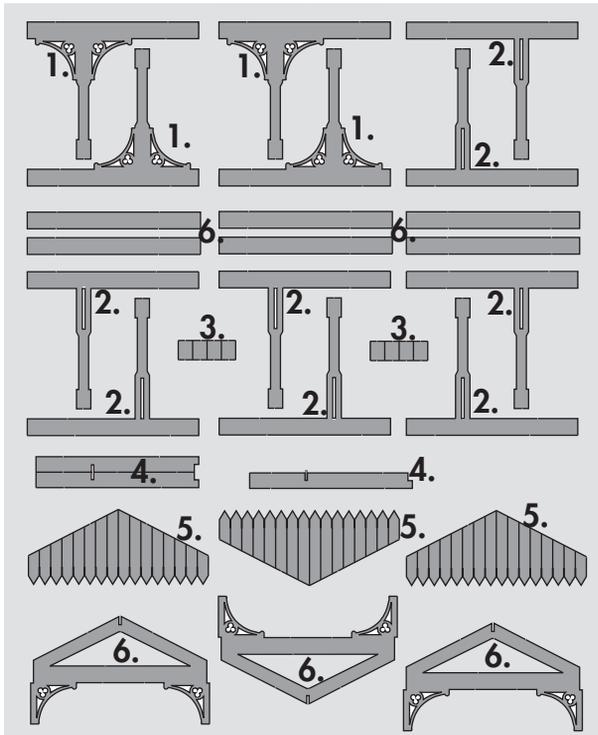
### Dark grey card



### Key to components:

1. Canopy roofs x3 (Note the score line along the centre, don't cut.)
2. Centre gutters x 3
3. End gutters x 2.

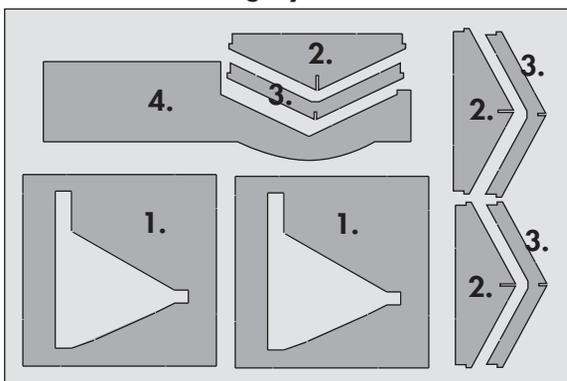
### Cream card.



#### Key to components:

1. Inner post with beam & brackets x 4.
2. Outers post with beam x 4 R/hand 4 L/hand
3. Post base (feet) x 8.
4. Ridge plate x 3.
5. Gable end x 3.
6. Roof truss & cross beam x3.
7. truss side beam x 6.

### Mid grey thick card.



#### Key to components:

1. Jig for assembling the legs x2.
2. Inner gable plate x3.
3. Wall plate x3.
4. Jig for positioning centre wall plate (see Fig.4.).

Carefully sort and clean out the long slots and bits from the brackets then pile up your laser cut parts into the builders yard.

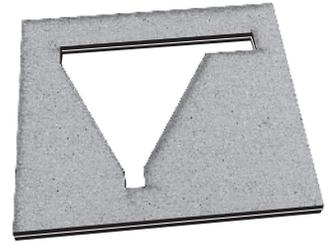


Don't loose the little base feet.

### LETS START BUILDING!

But first, you need to assemble the jig.

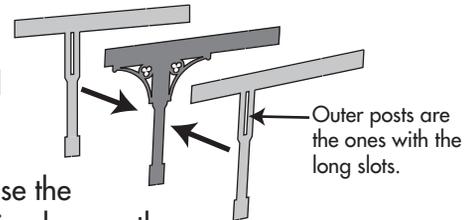
Take the two pieces of the jig and glue them together to make double thickness. Keep all edges absolutely flush with no glue oozing out on the inside edges.



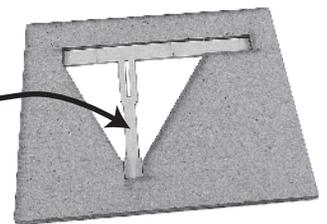
### Fig.3. POST & BEAM UNITS.

Each of the four Post & Beam units are made up with the inner post with brackets sandwiched between the two outer posts.

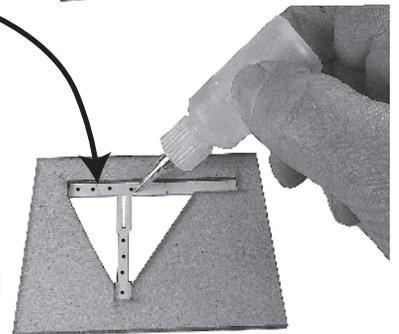
To ensure that all outer edges line up flush when glued together, use the jig to hold them in place as they are fixed together.



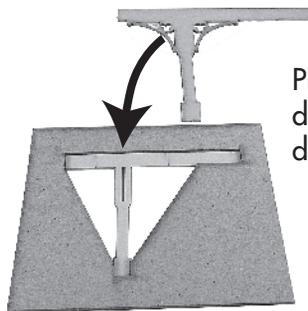
Start by pushing one of the outer post & beam units down into the jig like this.



Then put tiny spots of glue along the surface of the post and beam using the ultra fine tip applicator.

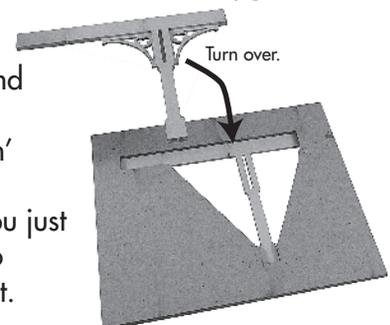


No need to put any glue in the part of the post with the tiny slot in it. This will be held in place later when the truss is fixed in to the slot.



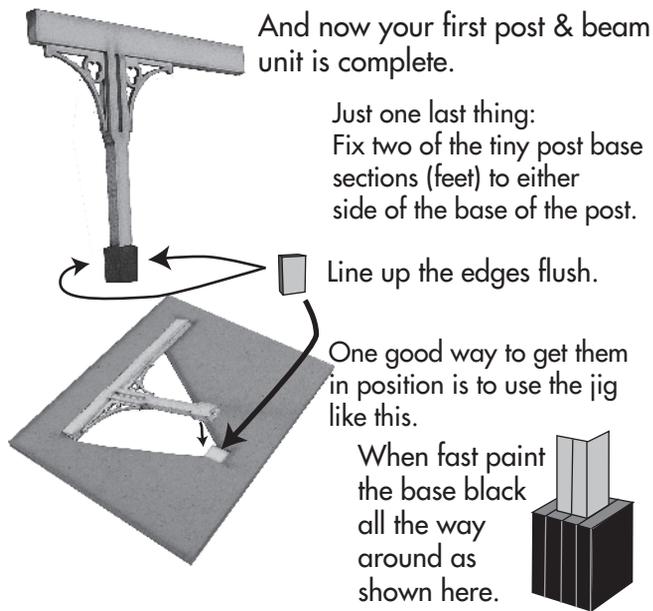
Place the inner post & beam down inside the jig so it sits directly on top of the outer post.

When glue is set push whole unit carefully out of the jig.



Turn the jig over and put another 'outer post & beam' inside the jig. Then fix the unit you just made, down on to the other outer post.

### Fig. 3. Cont'd POST & BEAM UNITS.



And now your first post & beam unit is complete.

Just one last thing:  
Fix two of the tiny post base sections (feet) to either side of the base of the post.

Line up the edges flush.

One good way to get them in position is to use the jig like this.

When fast paint the base black all the way around as shown here.

Now make up the other three post units in just the same way as this one.

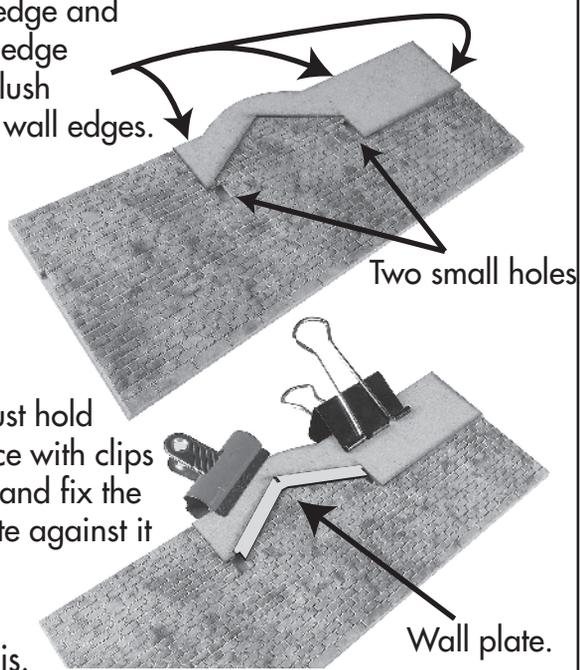
### Fig. 4. FIT THE FIRST WALL PLATE.

**NOTE:** If you are adding this kit on to another kit then see Figs. EX1. & EX2. for guidance.

To get everything positioned correctly you need to fix the centre wall plate first.

To position it you need to use the 'wall plate jig' this sits on the face of the wall so that the top edge and left side edge line up flush with the wall edges.

DON'T glue it just hold it in place with clips like this and fix the wall plate against it



Like this.



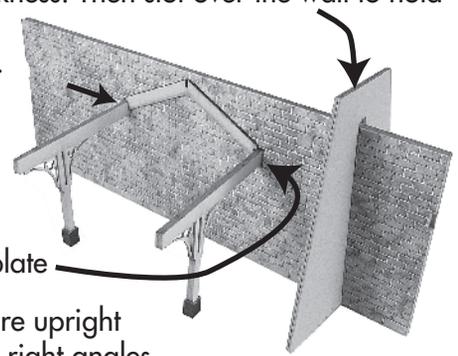
Now when you fit the beams into the holes in the wall they will be held in the correct position.

### Fig. 5. FIT BEAMS TO THE WALL.

Start by gluing the two back wall buttresses together to make double thickness. Then slot over the wall to hold it upright whilst fitting the canopy.

Fit two post and beam units into the holes in the wall fitting them against the wall plate

Check the posts are upright and the beams at right angles to the wall and leave untouched till the glue has set.

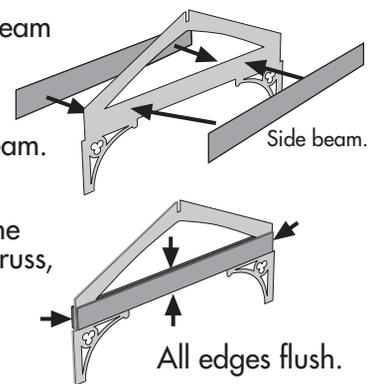


### Fig. 6. TRUSS & CROSSBEAM.

To strengthen the crossbeam part of the truss there are two side beams that are attached to each side of the crossbeam.

Make sure that the tops bottoms and ends all line up flush with the main truss, leaving the ends of the brackets free to fit into the slots in the posts.

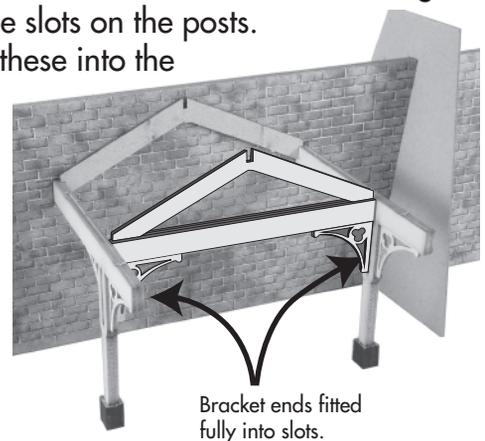
Repeat with other three trusses.



### Fig. 7. FIT THE ROOF TRUSS.

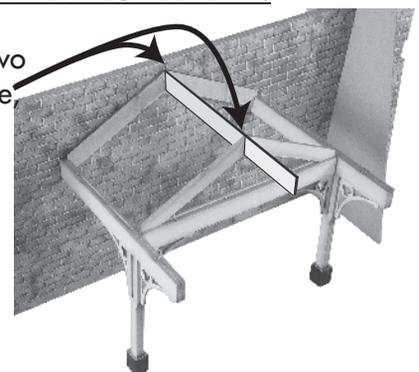
The brackets at each end of the truss have lugs that fit into the slots on the posts.

When fixing these into the slots with a little glue. Make sure they are seated FULLY into the slots.



### Fig. 8. FIT THE RIDGE PLATE.

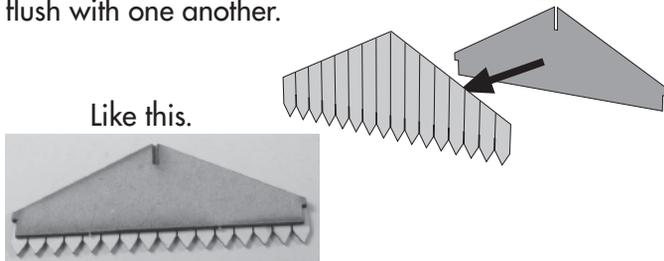
The ridge plate has two slots on its under edge these fit into the corresponding slots on the wall plate and the top of the roof truss.



# PO341 00/H0 Wall Backed Platform Canopy kit

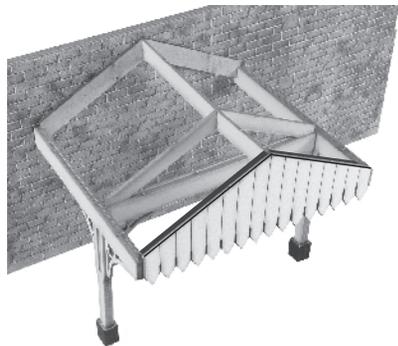
## Fig. 9. GABLE END SECTIONS.

Each gable end is made of two parts. The outer cream coloured section has a grey inner card that is fixed to the back of it so that the upper and side edges are all flush with one another.

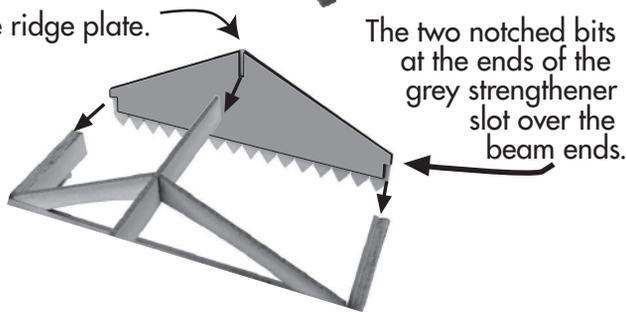


## Fig. 10. FIT GABLE ENDS.

This can be tricky and requires patience and a light fingered approach to the job.

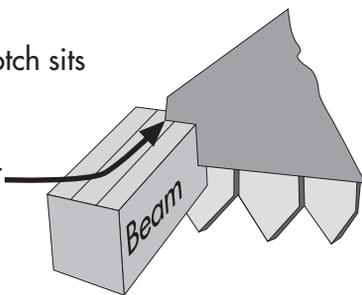


Top notch fits over the end of the ridge plate.



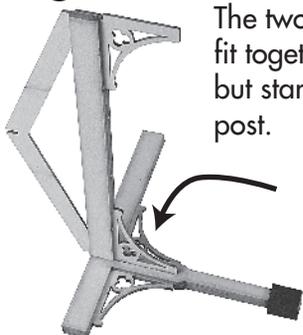
The two notched bits at the ends of the grey strengthener slot over the beam ends.

The upper edge of the notch sits on top of the beam and extends to half way across allowing room for the next gable to fit along side.



## Fig. 11. FINISH THE FRAMEWORK.

The two canopy bays at either side fit together in much the same fashion but start by attaching the truss to the post.



Hold truss in position like this till set, before you attach to the wall.

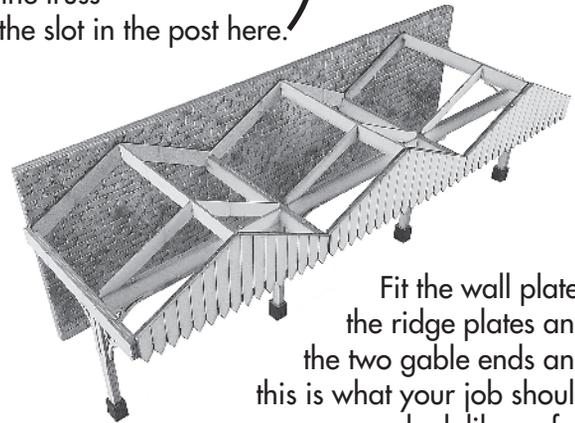
Make sure the bracket is fitting fully into the slot on the side of the post.

# INSTRUCTION SHEET 2

## Fig. 11. Cont'd.

Attach the beam end into the slot in the wall and the truss into the slot in the post here.

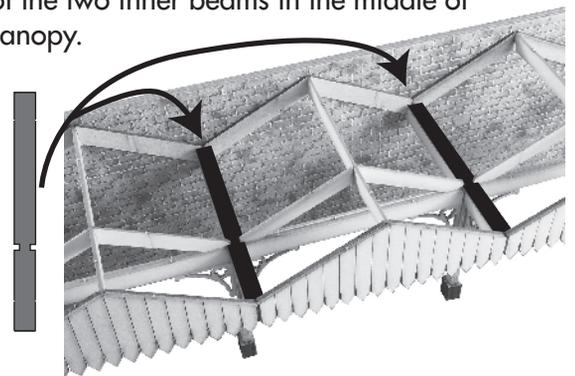
Repeat this side.



Fit the wall plates the ridge plates and the two gable ends and this is what your job should look like so far.

## Fig. 12. THE GUTTERS.

Starting with two of the centre gutters. Place them on top of the two inner beams in the middle of the canopy.

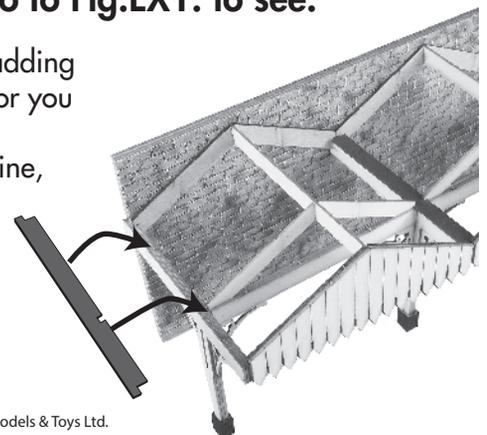


**Now you are wondering why there is a third centre gutter?**

If you are extending the canopy by adding another kit, you will need it where they join.

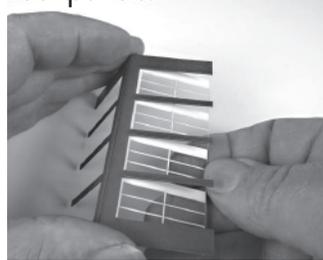
**Go to Fig.EX1. to see.**

If you are not adding on another kit or you have reached the end of the line, then fix the end gutters on the outer beams.

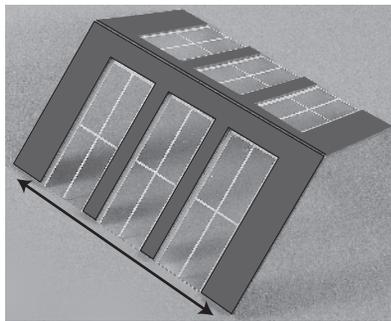


## Fig. 13. THE ROOF.

When you have finished admiring your wonderful creation, you can now start to cover it over with the roof panels.



Fit the glazing sheets from underneath so that you can see where it is to be positioned. Test without glue first so that you can see where it fits.

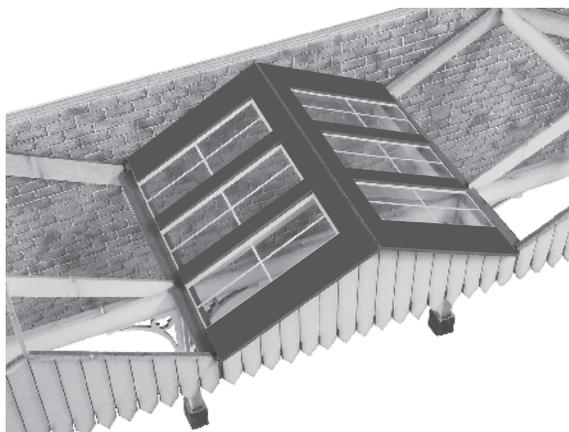


Glazing flush with card edges.

The glazing should be flush along the bottom edges of the grey roof. Use tiny spots of glue placed on the underside of the card to fix the glazing. Centre the glazing frames sideways in the openings

## Fig. 14. FIT THE ROOFS.

Starting with the centre roof, fit it so it sits on top of the wall plate and the front gable.

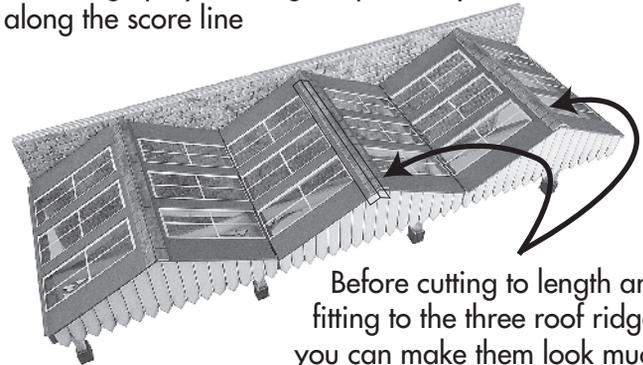


Check that it is firmly seated down on both. If the main framework has been constructed slightly out of square then it will not be seated properly.

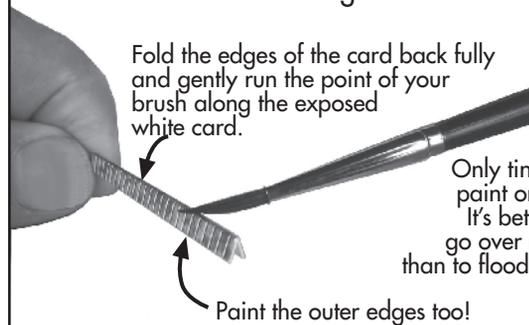
You may have to re-align slightly to allow the roof to sit correctly on both front gable and rear wall plate. Hold the roof down until the glue has set. Once fast it will hold the whole canopy at the correct angles so you can continue with the other roofs.

## Fig. 15. FIT THE RIDGE TILE STRIPS.

To give a really good finish to the roof tops, the ridge tile strips do the job well. The long strips have a scoreline running along the centre. Fold in half along the score, which may need a little loosening up by running the point of your knife along the score line



Before cutting to length and fitting to the three roof ridges you can make them look much better if you paint the white edges and fold line - see below.



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.

Paint the outer edges too!

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

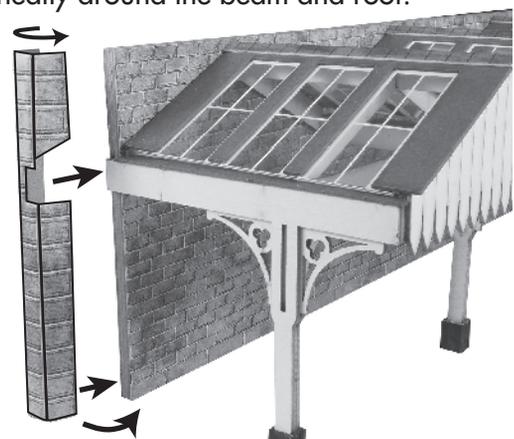
Before the paint dries, run your finger along the edge to rub the colour into the absorbent white card. Then wipe away any paint that has run onto the printed surface before it dries.

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.

## Fig. 16. FIT THE WALL ENDS.

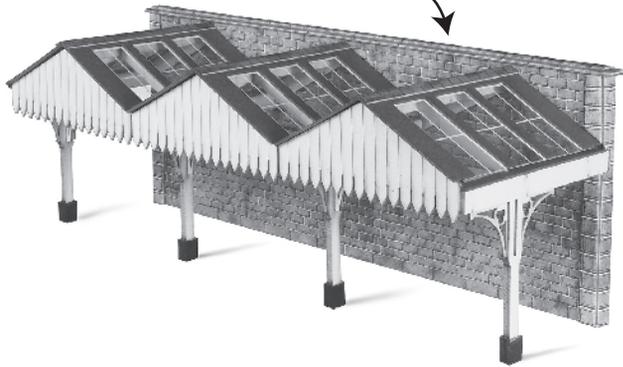
These cover over the exposed wall ends. Only fit them if you are not adding on any more kits.

They fold around each end with a cut away section that fits neatly around the beam and roof.



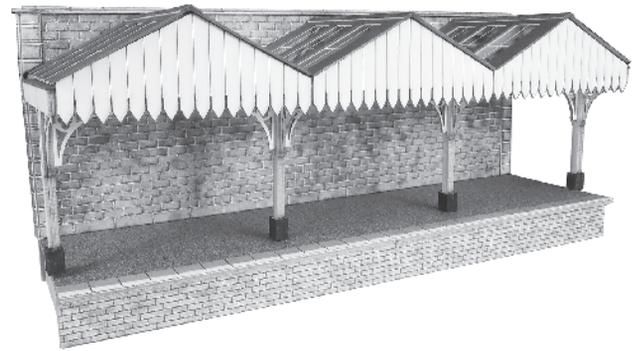
## Fig. 17. FIT THE WALL CAPPING.

Attach the wall top capping stone strips along the wall with edges overhanging equally. The thinner strip sits centred on top of the wider strip.



You are now ready to fit it to the platform.

Also included in this kit is a sheet of self adhesive edging and patching parts. These can be cut to patch over joints between adjoining kit units.



You will note that the platform with this canopy is slightly narrower than the wall and canopy posts. This is designed for the benefit of those adding more kits or attaching this kit to the side of the PO320 and PO321 Mainline Station Buildings which are all designed to fit together without a lot of customising.

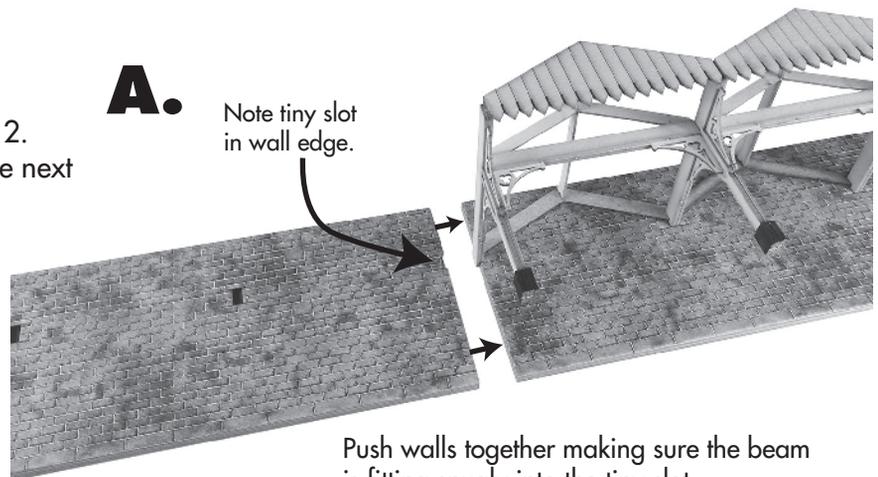
Extending the platform is easily done with our PO235 Stone Platform kit.

## EXTENDING AND ADJOINING THIS KIT TO OTHER BUILDINGS

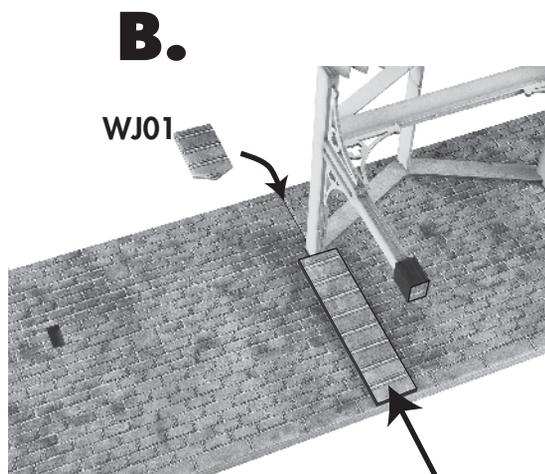
### Fig. EX1.

After fitting the two centre gutters in Fig.12. this is the point that you need to attach the next back wall section.

Lay the whole canopy on its back and slide the extra wall section up against it. The edges fit against each other butt ended together. The small slot in the side of the add-on wall fits around the protruding beam sticking out past the end of the first wall.

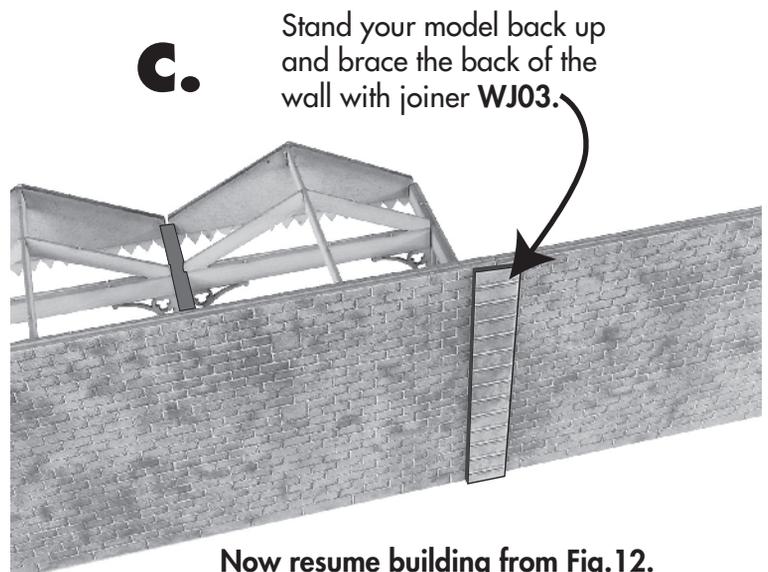


Push walls together making sure the beam is fitting snugly into the tiny slot.



Brace the joint with the wall joiner WJ02

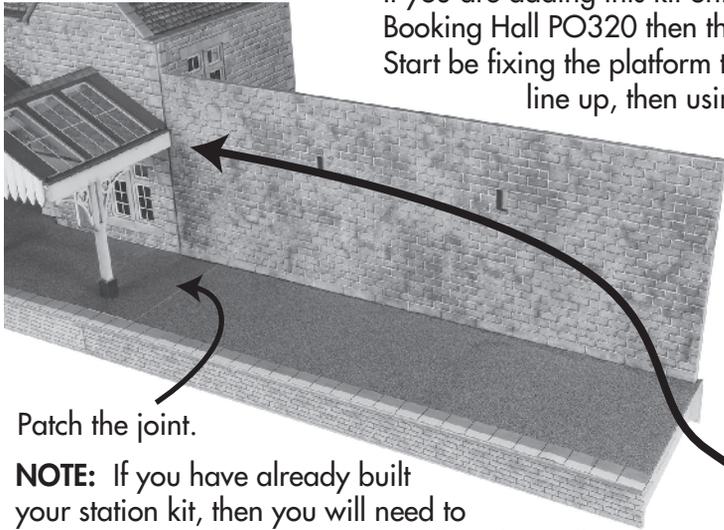
**DON'T FIX TOP JOINER WJ01 until after the roof has been fitted.**



**Now resume building from Fig.12.**  
Add on each bay as described from Fig.11. onwards.

# Fig. EX2. BUILDING ON TO THE Mainline Station PO320 BOOKING HALL.

If you are adding this kit onto an existing kit such as the Mainline Station Booking Hall PO320 then there is no need to use the wall plate jig and buttress. Start by fixing the platform to the side of the station so the platform front edges line up, then using the patching and edging components included in both kits, lay the platform edging strip as shown in Fig.2. along the front edge of the platform with the white edge facing outwards. Then patch over the joints with the self adhesive tarmac and stone etc.

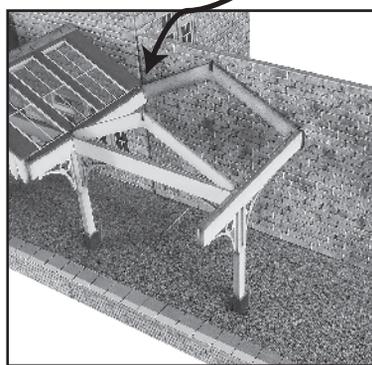
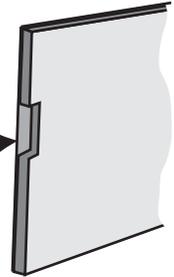


Patch the joint.

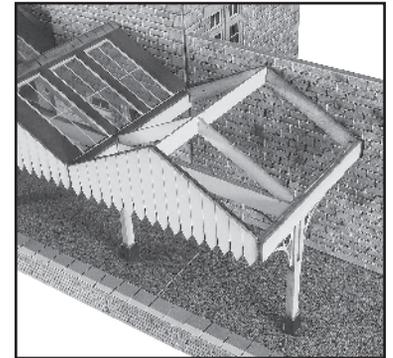
**NOTE:** If you have already built your station kit, then you will need to cut away part of the guttering to allow the wall and wall plate to sit correctly on the beam.

Now fit the wall against the building so it lines up with the front wall of the building.

**BUT FIRST** cut away the tiny piece of card covering the notch in the wall end so it fits around the beam on the station wall, which is slightly longer. Make sure the wall is vertical and lines up with the back edge of the platform.



Now carry on building as from Fig.11. onwards adding each bay along with wall plates, ridge plates and gables. Don't forget to add the correct guttering before attaching the roofs.



As you can see here, it is possible to create extremely intricate and realistic structures.

Pictured here with wall backed canopy kits sitting either side of the PO320 Booking Hall and shown below, two canopy kits running into our PO235 Stone Platform kit.



Add extra detail with our PO517 Platform Kiosk kit.