



PLEASE - PAY ATTENTION

Read through the instructions and familiarise yourself with the kit components before you start any building.

1 Tools to build this kit.

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

1. A modellers knife.
2. A cutting surface - A cutting mat or a sheet of thick card will do.
3. A sharp pair of scissors
4. A steel ruler.
5. Fine point tweezers.
6. Water colour paints for corners and edges.
7. METCALFE Ultra Fine Tip Glue Applicators (see 3)

2 Glue.

We recommend using a combination of two types of glue: **Speed Bond** and **Rocket Card Glue**.

Both are made by Deluxe Materials - www.deluxematerials.com

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.

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



3 Ultra Fine Tip Glue Applicators.

An absolute 'must' when building this kit. When used with Speed Bond 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.

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

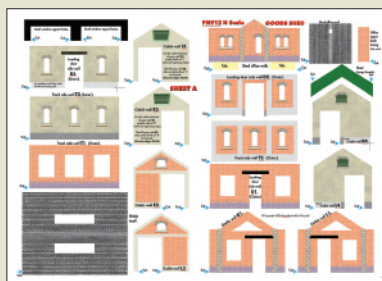


4 Extracting components from base sheets.

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.

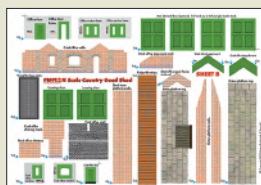
To release them run the point of your knife along these score lines and they will come seamlessly away. **WARNING**, Cut with care to reduce the risk of the blade running out of the score and cutting the component.

5 Kit components.



SHEET A

Larger folded and printed sheet with components for various walls and roofs.



SHEET B

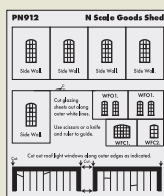
Smaller printed sheet with components for the coal office, platforms and various small items.



SHEET C

This plain grey card contains the strengthening components that fit inside the kit to hold it together.

RED lines indicate score rules you need to cut to release from base sheet. BLUE lines are fold lines. Don't cut

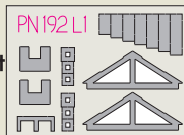


GLAZING SHEET.

Clear glazing to fit into the windows

SHEET L1.

Tiny laser cut sheet with trusses, steps and chimney pots.



INSTRUCTION BOOKLET. This one!

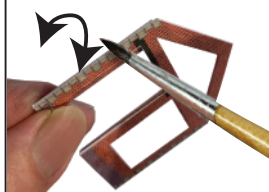
6 Painting Corners and Edges.

Before you start any building work, it is best to get this job out of the way. The white card that shows on the corners and edges doesn't have to be painted, but if you are a perfectionist it is easiest painted before you build.

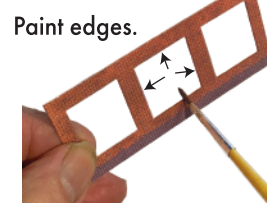
All you need is a simple set of child's watercolour paints like these and a fine brush. Mix the colours in the lid.



Use lots of water (aprox. 5 to 1)
Test on waste card first.



Fold corners over and run brush along the score. Wipe away any paint that runs on to printed areas.



Before you build.

Cut the two larger folded sheets in half and place all the sheets to one side (makes them easier to handle).

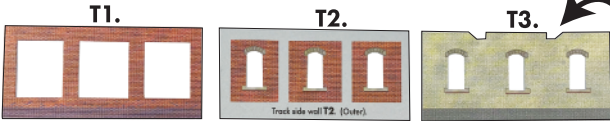
ONLY EXTRACT COMPONENTS AS NEEDED.

7 Side Walls.

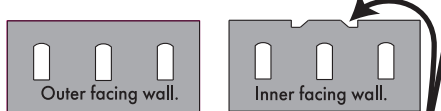
Each of the side walls are made up of five layers of card bonded together with a layer of plastic glazing sandwiched in the middle.

Start with the track side wall.

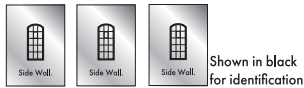
From SHEET A. extract side walls T1, T2, & T3.



From GREY CARD C. extract the two side walls, each with 3 window openings.



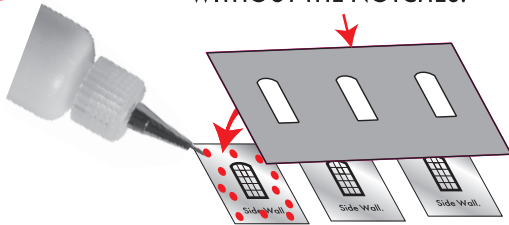
Cut out 3 Side Wall Glazings



Note:
These two walls have notches on the top edges.
These are the two inner facing wall sections.

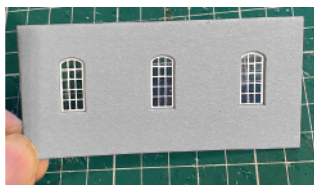
Fix the glazing to the back of the OUTER facing grey wall.

WATCH OUT! Make sure you use the correct grey wall WITHOUT THE NOTCHES.

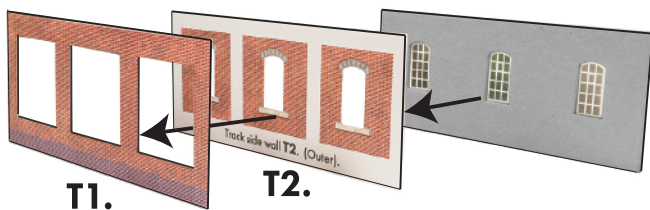


Lay the glazing flat on your work surface (face up). Place tiny spots of glue around the edges using the Ultra Fine Tip Applicator then place the wall over the top. Slide to the correct position centred in the opening and press firmly down to fix.

Like This.

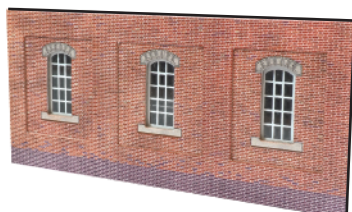


Fix the grey wall to the back of Track side wall T2. Then fix them to the back of the outer wall T1.

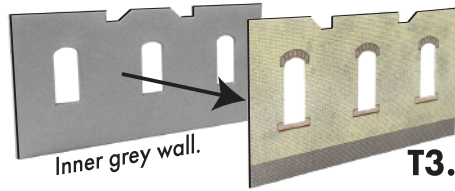


Keep all outer edges absolutely FLUSH.

Like This.



Now fix the inner grey wall to the back of the inner wall T3.

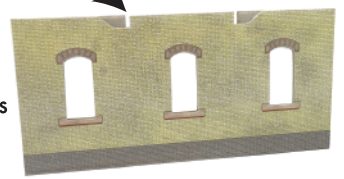


Keep all outer edges FLUSH.

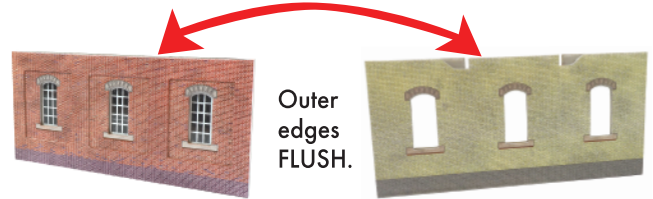
Note:

The cut away sections on the top edge now form two slots for the roof trusses to sit in later.

Like This.

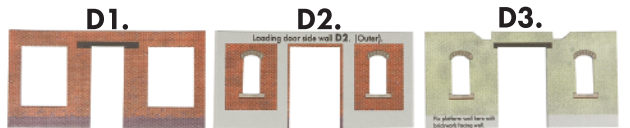


Glue inner and outer walls together back to back.

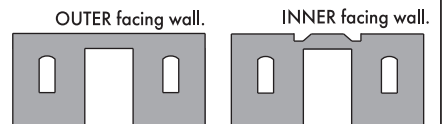


Next the Door side wall.

From SHEET A. extract side walls D1, D2, & D3.



From the GREY CARD C. extract the two side walls, each with 2 window openings and doorway.

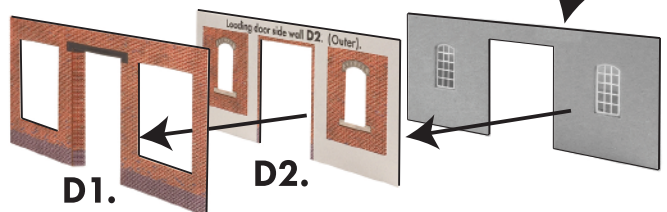


Cut out 2 Side Wall Glazings.

Fix the glazing to the back of the OUTER facing grey wall.

Remember this is the grey card WITHOUT the notches on top edge.

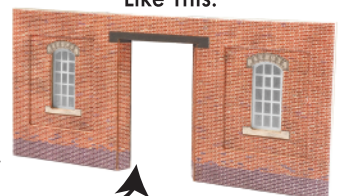
Fix the grey wall to the back of Door side wall D2. Then fix them to the back of the outer wall D1.

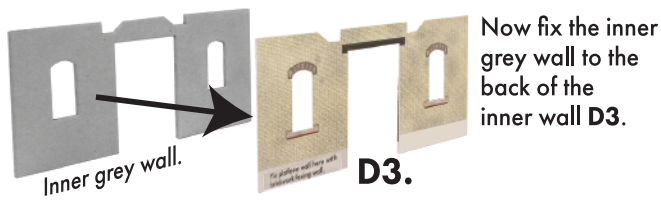


Like This.

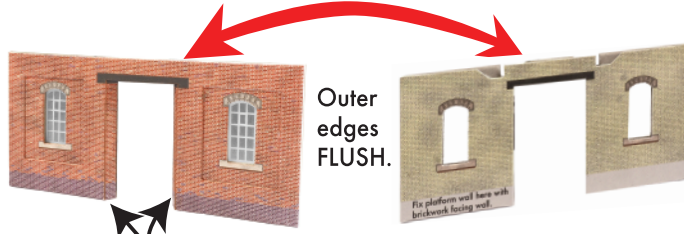
Keep all outer edges absolutely FLUSH.

Note door sides fold inwards. Don't glue yet.





Glue inner and outer walls together back to back.



8 Gable Walls.

Now this is where you need to pay particular attention to detail.

The two gable walls (Right Hand and Left Hand) are built up using six layers of card.

They both build up in exactly the same way.

One is an exact mirror image of the other.

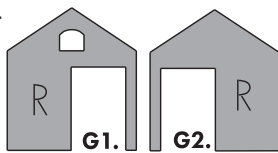
Start with the Right Hand wall.

From SHEET A. extract side walls R1. R2. R3. & R4.

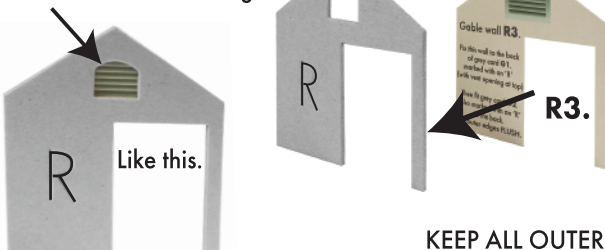


From the GREY CARD C. extract the two gable walls Both Marked with 'R'.

Also identified as G1. & G2. as shown on description on page 1.

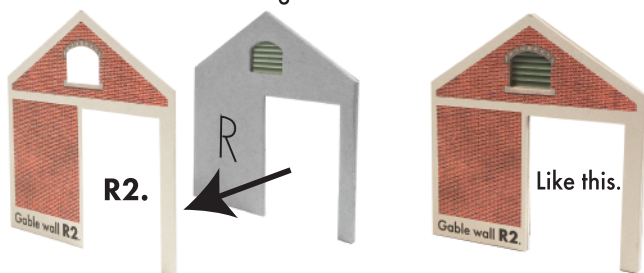


Fix gable wall R3. to the back of the grey gable wall with the vent opening at the top so that the louvre vent shows through.

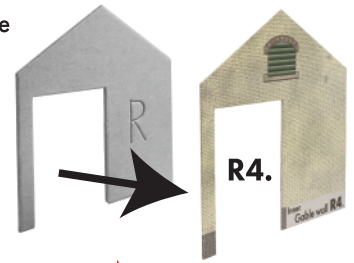


Then fix it to the back of gable R2.

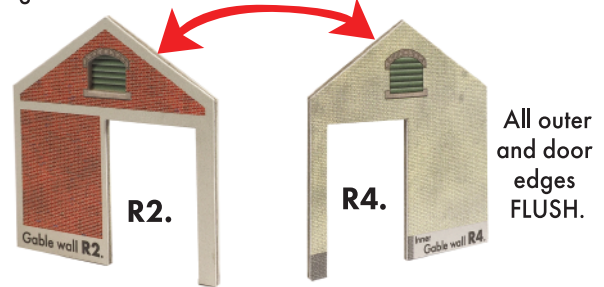
KEEP ALL OUTER EDGES FLUSH



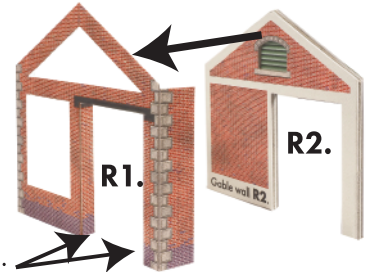
Now fix the other grey gable wall to the back of gable wall R4.



Then fix it back to back with gable wall R2.

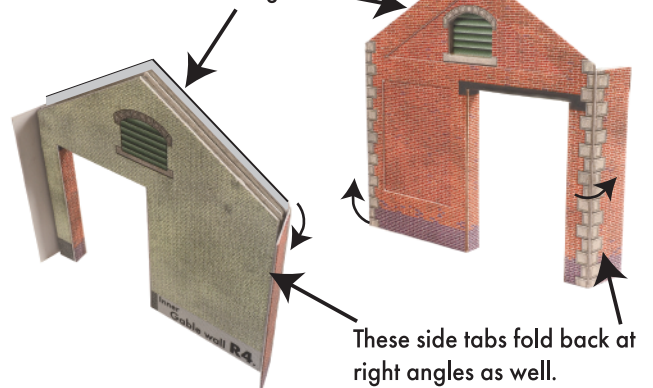


Now fix the gable wall (now 5 layers thick) to the back of gable wall R1.



The doorway sides fold in at right angles and glue to the inner edges of the card.

Note the top edges of gable wall R1. stand taller than the inner gable.



Now the Left Hand wall.

From SHEET A. extract side walls L1. L2. L3. & L4.



From the GREY CARD C. extract the two gable walls Both Marked with 'L'.

Also identified as G3. & G4. as shown on description on page 1.

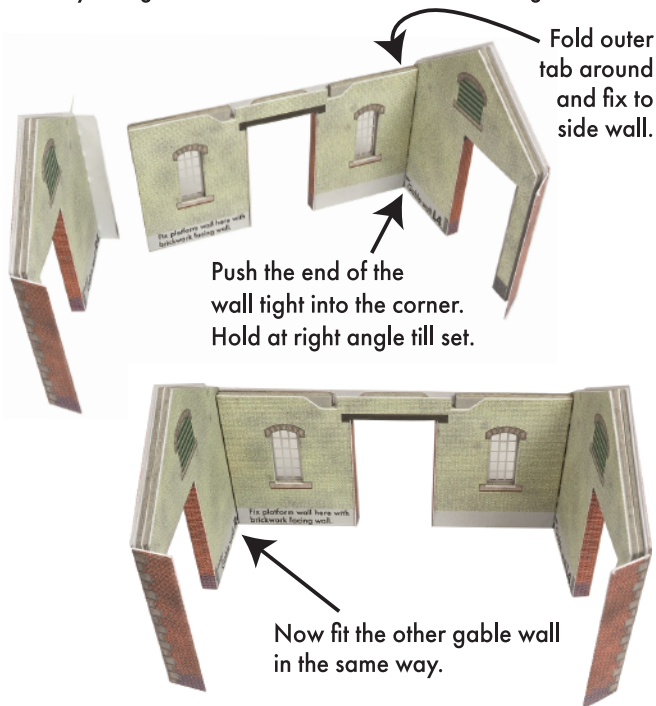


Building the left hand gable wall is exactly the same as with the right hand wall.

Refer to the previous section for guidance, but go carefully at each step, each one is the same, just a mirror image of the right hand.

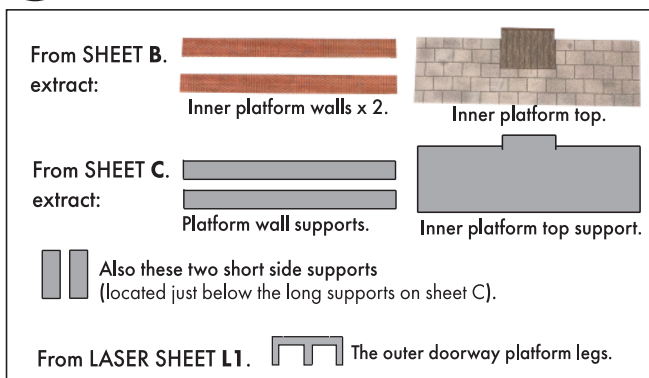
9 Assemble the walls.

Start by fixing one end of the door side wall to the gable wall.



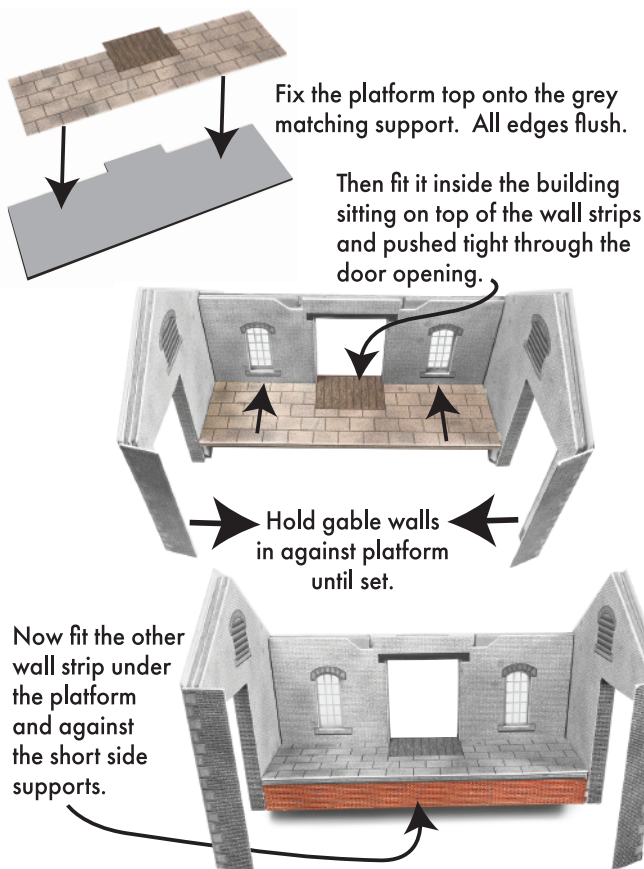
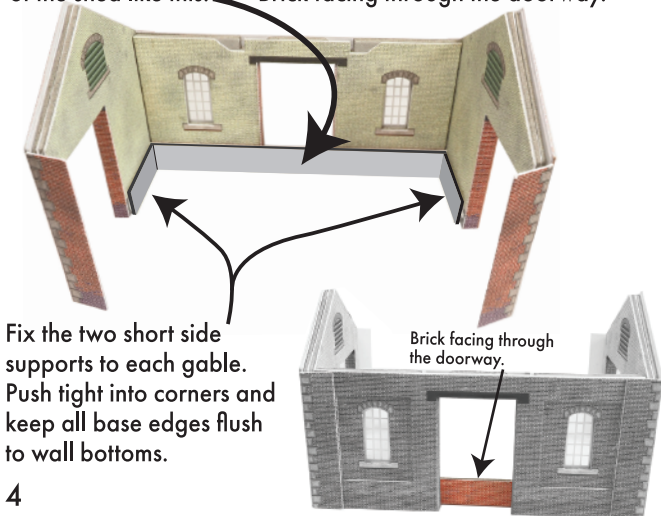
Before you fit the other wall you need to build the inner platform.

10 The Inner Platform.

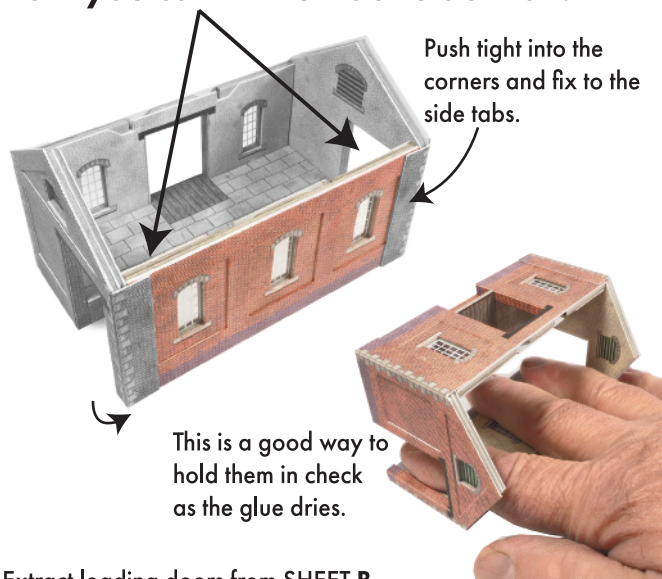


Fix the two printed walls onto the matching grey card supports.

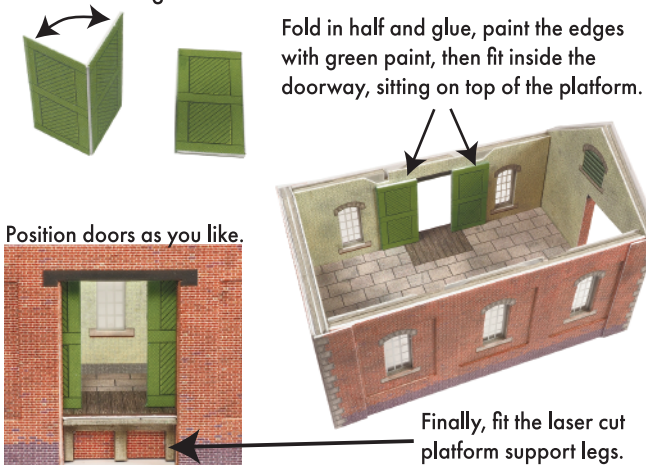
Then fix one to the inside wall of the shed like this. Brick facing through the doorway.



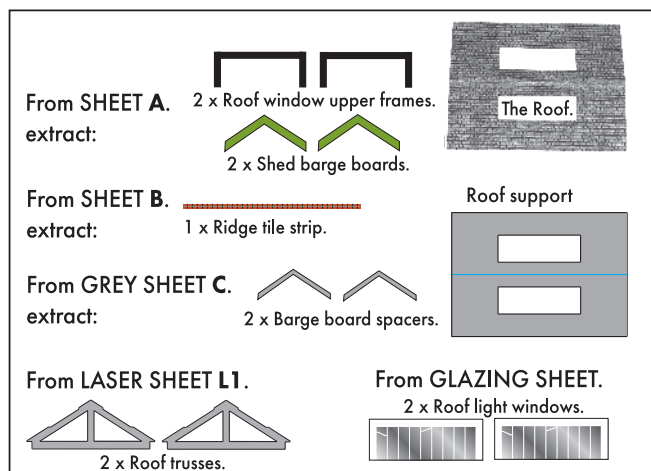
Now you can fit the track side wall.



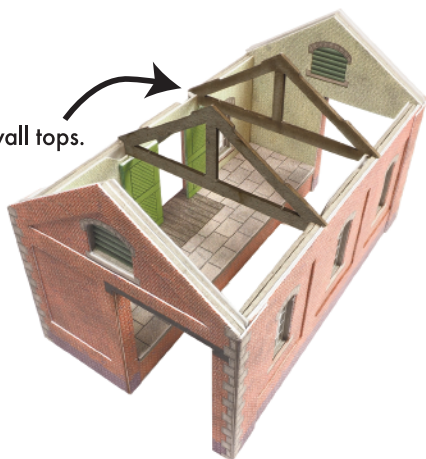
Extract loading doors from SHEET B.



11 The Roof.

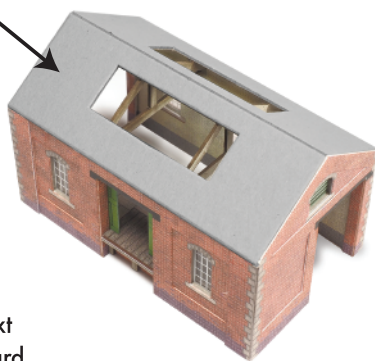


Fit the roof trusses so they sit down into the slots in the inner wall tops.



Fix the grey roof support first.

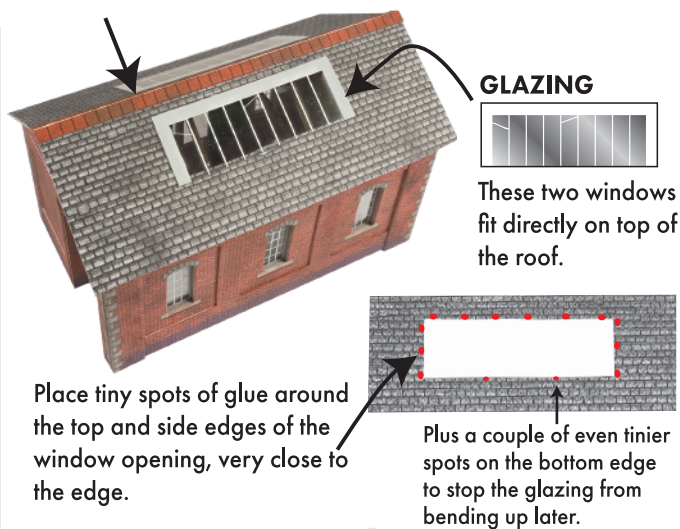
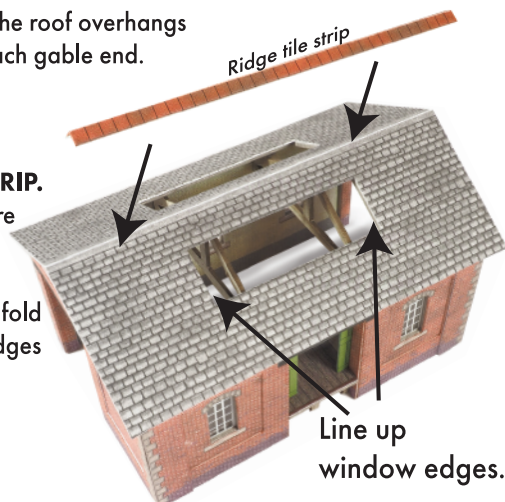
This sits directly on top of all four walls. However note that the outer edge of the gable wall tops stand slightly taller to hold the roof in position.



Fix the printed roof sheet next directly on top of the grey card. The side edges of the windows line up so that the roof overhangs equally over each gable end.

RIDGE TILE STRIP.

Locate the centre scoreline and fold in half. Paint along the fold and all outer edges before fitting.



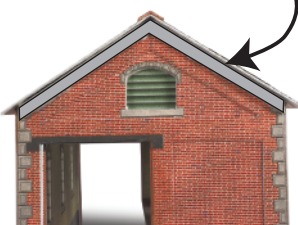
Top off the glazings with the upper frames.



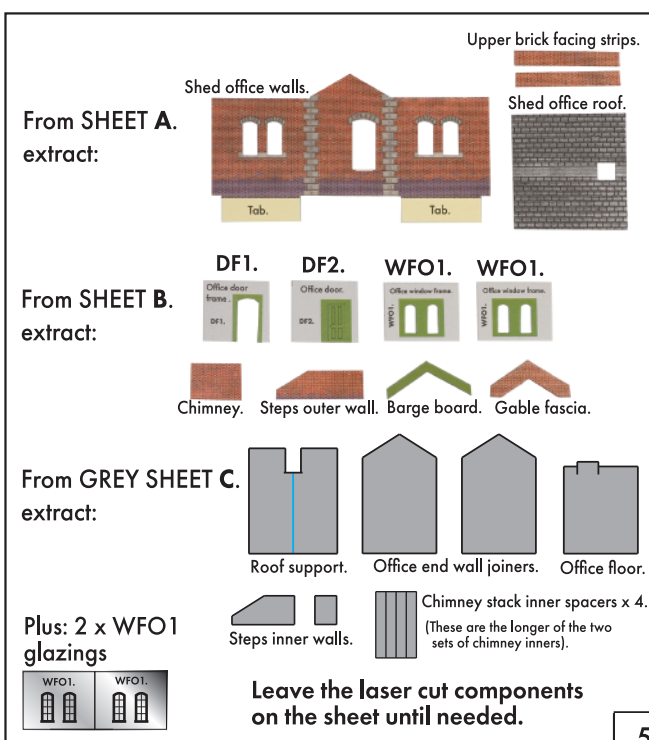
BARGE BOARDS

Fit grey spacer first directly on to the wall and up under the roof.

Place the green barge board on to the spacer

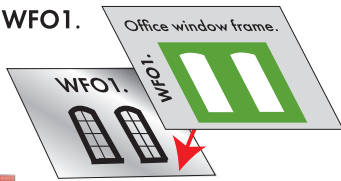


12 The Shed Office



Start with the two windows WFO1.

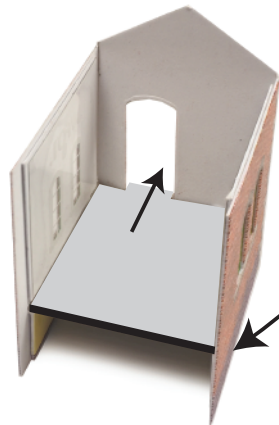
Fix glazing to back of each window.



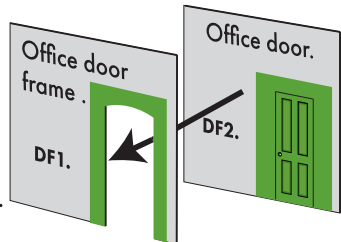
Then fit behind the window openings in the side walls.



Fold up the two yellow tabs and fix to back of walls.

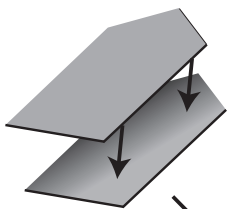


Fix the grey floor so it sits on top of the yellow tabs and pushed tight against the gable wall. Doorstep through the opening.



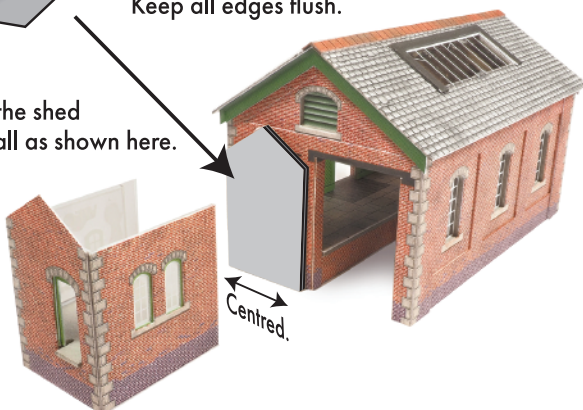
Fix door DF2. to the back of door frame DF1.

Fit the door unit inside the building pushed down to the floor and centred in the door opening.

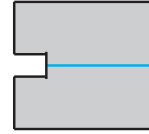
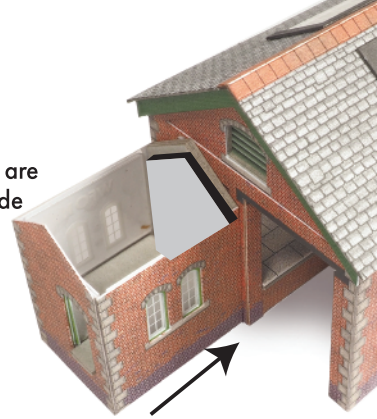


Glue the two wall joiners together. Keep all edges flush.

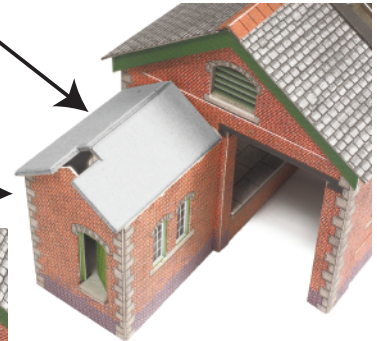
Then fix the shed gable wall as shown here.



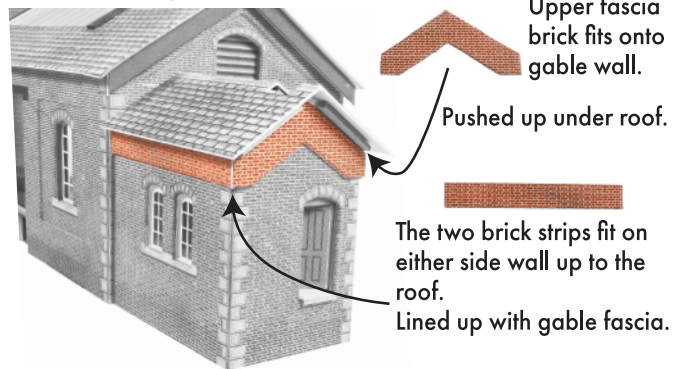
The office walls are fixed to each side of the joiner.



Fit the grey roof support sitting directly on top of the walls, with chimney opening at this end.



Fit the printed roof directly on top of the support roof. Fit tight up against the main shed.

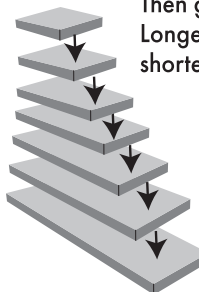


Fit the barge board on to the ends of the grey roof support, and pushed up underneath the printed roof.

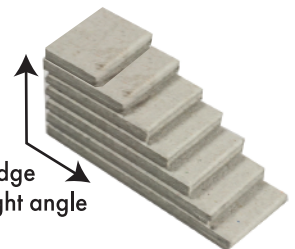
OFFICE STEPS

To make them take the 7 grey strips on laser sheet L1.

Then glue one on top of the other. Longest at the bottom shortest at the top



Keep back edge straight at right angle from base.

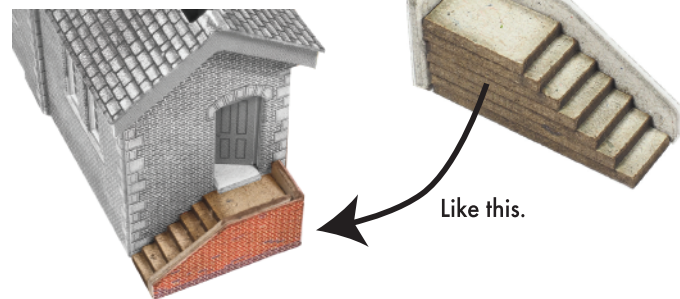
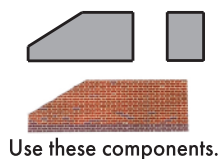


Side wall for steps.

Fold at right angle.

Fit this first.

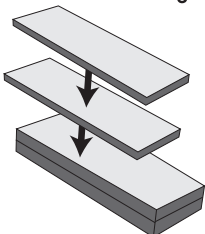
Then fit this side card next.



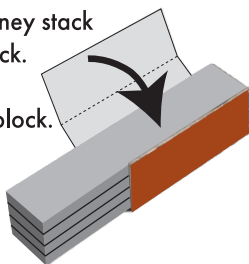
Like this.

13 Chimney Stack

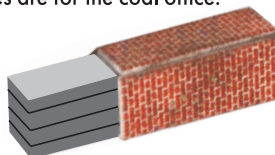
Take the 4 x grey chimney spacers and glue them together in a block with all edges squared up.



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

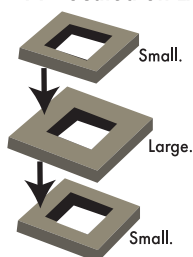


Use the longer spacers
The short ones are for the coal office.

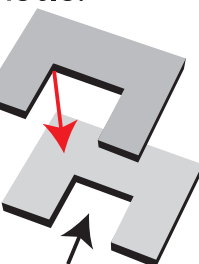


Like This.
The grey end fits down into the hole in the roof.

CHIMNEY TOP STONES and the ALIGNING JIG.
All located on LASER SHEET L1.



Fix the two jig spacers one on top of the other. ALL OUTER EDGES FLUSH



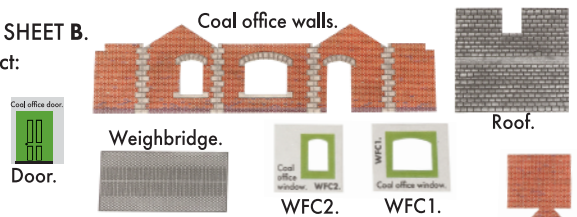
Smaller slot at the bottom.

Place one of the small top stones in the lower slot like this. Place tiny spots of glue as shown with red spots then fix the larger middle stone on top, pushed into the upper slot. When fast, slide out and turn over and fix the other small stone.

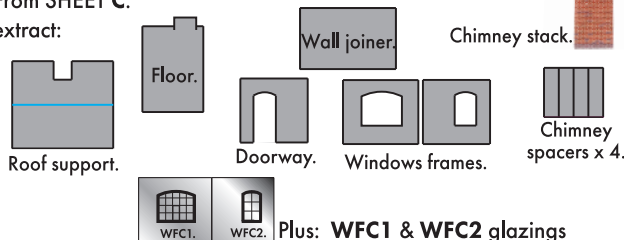


14 The Coal Office

From SHEET B. extract:

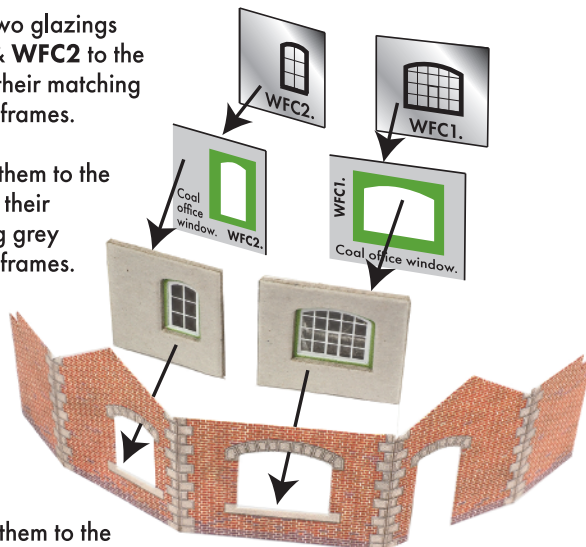


From SHEET C. extract:

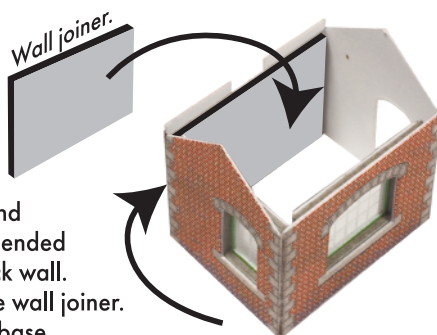


Fix the two glazings **WFC1** & **WFC2** to the back of their matching window frames.

Then fix them to the backs of their matching grey window frames.

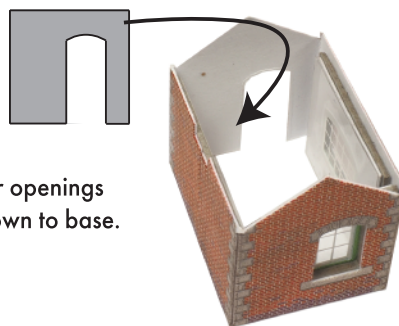


Then fix them to the window openings in the office walls. All base edges flush.



Fold the walls around until they meet butt ended together on the back wall. Join inside using the wall joiner. Push down flush to base.

Fix the grey card doorway opening to the back of the gable wall.

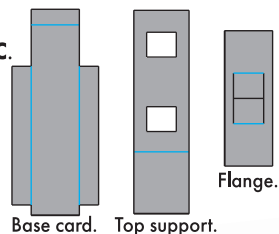


Line up door openings and push down to base.

15 The Platform

From SHEET B.
extract:
Platform top
and the two
brick side walls.

From
SHEET C.
extract:



Base card first.

Back tab.

Fold back tab up
at a right angle.

Fold over the two long tabs and
glue down to make base double thick.

Fold the ends of the
brick walls around
the back tab.

Fix the sides
against the base card
with tiny spots of glue.

Like this.

Fold the two tabs over
on the flange and glue back.

Turn the flange over
and fix to underside of
platform support.

the two tabs on the flange
fit into the holes in the
support.

Turn the support over and fix it
on top of the platform walls.

The flange part
sits down inside
positioning the top
so it overhangs
correctly on the top
three edges.

Finally, fit the
top flagstones.

Fit the floor down inside the building
with the doorstep pushed through the
opening.

Keep the walls and floor flat down
to your work surface and place spots
of glue around three edges to fix
(not the edge with the door opening).

leave for a while until the glue sets.

Then fit the office door.
Push down to the base
and centre sideways in
the door opening.

Glue the four chimney spacers
together and wrap the top part of
the chimney stack around.
all edges flush to the top.

Then fix to back wall sitting down into the
small slot. the lower part of the stack covers
the wall joint.

The grey roof support sits down
inside the building directly on top
of the gable walls.

Fit around the chimney stack and
push down inside the slightly taller
side walls.

Fix the printed roof on top of the grey support.

Make another set of
chimney top stones
and fix a ridge tile strip

Barge boards fix under the
roof against the edges of
the grey roof support.