

# PO350 No 1 Market St.

## 00 Scale Timber Framed Building

**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. Printed components for main building.
- 1 x SHEET B. Printed components for side building & base.
- 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.

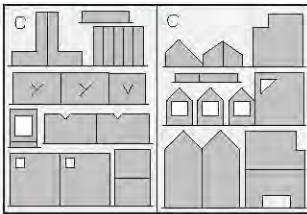
### SHEET A.



### 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.

## 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.



**Roket 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.



# INSTRUCTIONS

## 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](http://www.metcalfe-models.com)

## 4 Extracting components from base sheets.

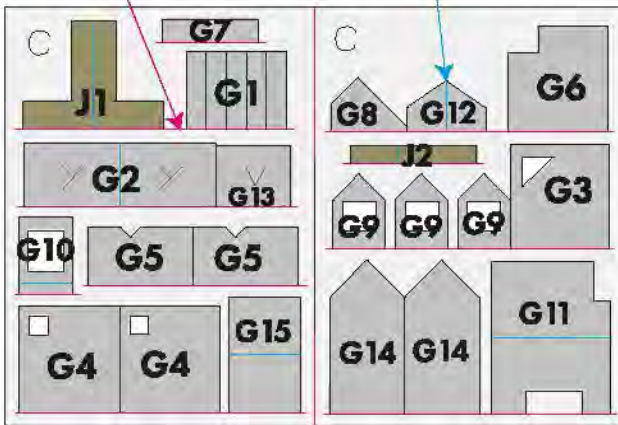
To stop the components falling off the base sheets, they are held secure with score lines (marked with blue arrows) that cut about 75% of the way through the card.

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.

## 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 chimney spacers for main building x 5.
- G2. Inner wall joiners for back and side walls in shop area.
- G3. Shop ceiling.
- G4. Inner first floor spacers x 2.
- G5. Supports for second floor x 2.
- G6. Second floor.
- G7. Top side wall thickener.
- G8. Gable wall top thickener.
- G9. Bay window inner thickening braces x 3.
- G10. Front bay window support.
- G11. Main building inner roof.
- G12. Side bay window inner roof.
- G13. Side building inner first floor.
- G14. Side building wall joiners.
- G15. Side building inner roof.
- J1. & J2. Jig components to make perfect chimney spacers.

## START BUILDING

### 1 The Shop Unit.

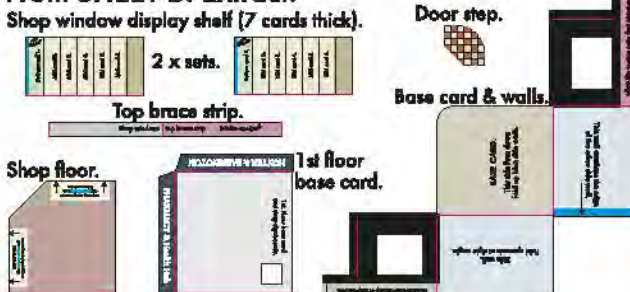
The shop unit which forms the ground floor of the main building builds up into self contained box type structure, which when complete has the outer and upper walls wrapped around it.



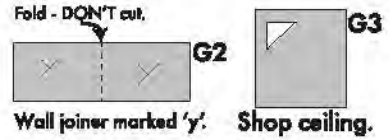
From SHEET A. Extract:



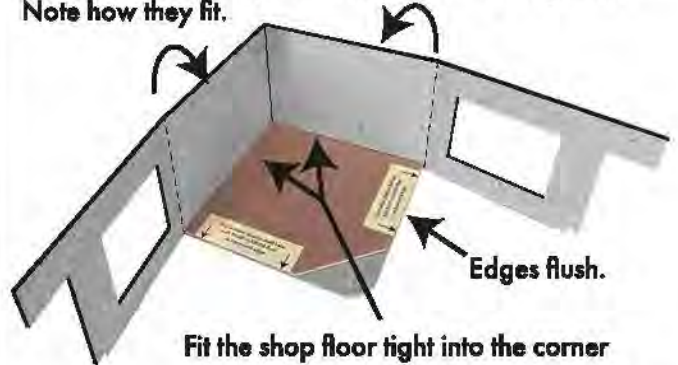
From SHEET B. Extract:



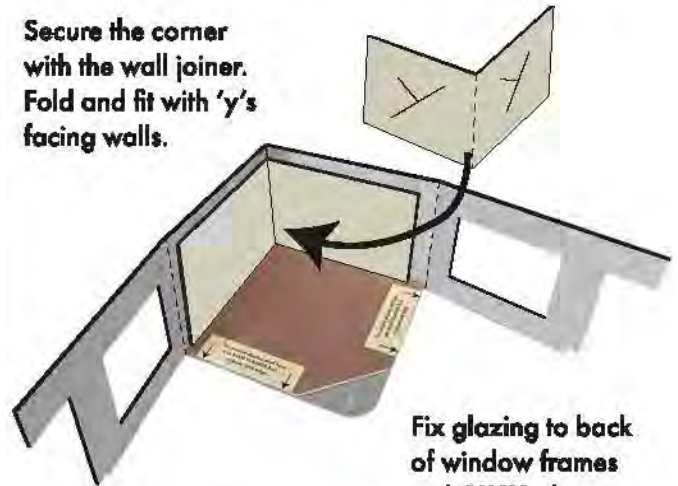
From SHEET C. Extract:



Starting with the base card and walls section. Fold the side walls up and hold the corners together. Note how they fit.



Secure the corner with the wall joiner. Fold and fit with 'y's facing walls.



Fix glazing to back of window frames with UHU glue WF1. & WF2.



You have a choice of plain or period glazings.

Fit the windows behind the openings in the outer walls, centred on all edges.



Also make sure the doorway side tabs at each end of the walls fold loosely.

Now fit the interior shop wall detailing of your choice.

There are a few different styles for you to choose.



# The JIG.

Especially designed for forming the layers of card that are glued together to form a solid block with all sides held at perfect right angles. These blocks are used to form the shop window displays.

From SHEET C. Extract:

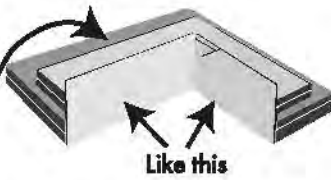


Fold grey J1. in half and glue to make double thick.

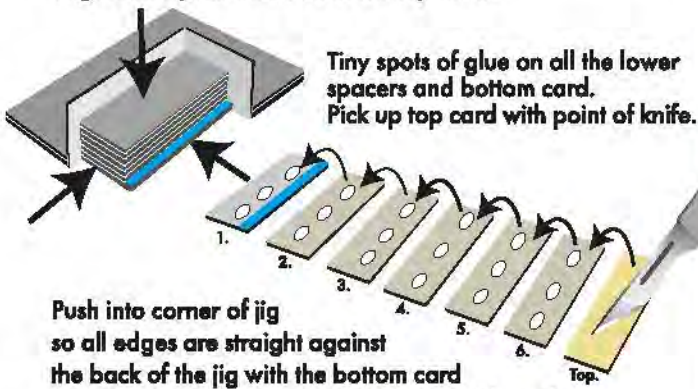


Then fit J2. folded at a right angle into the corner.

Pack behind with waste card to strengthen.



Each display shelf is made using 5 x Mid card spacers sandwiched between a Bottom card with BLUE line on one edge and a plain fawn coloured top card..

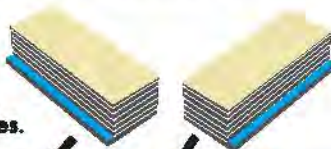


Tiny spots of glue on all the lower spacers and bottom card. Pick up top card with point of knife.

Push into corner of jig so all edges are straight against the back of the jig with the bottom card which is slightly wider protruding on the blue edge. Hold till glue sets.

And there you have em!

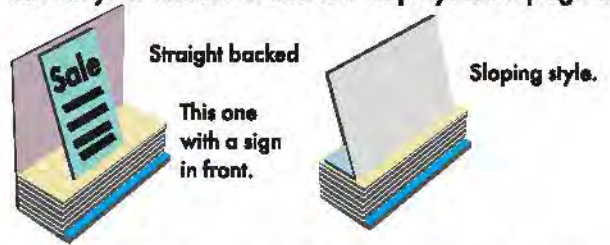
Two window display shelves.



Which now sit on the shop floor. BLUE edges flush to edge of base card. The recessed area above blue strip allows the window to sit inside when the walls are folded around later. Check it works when wall folded around..

# Window Displays.

Cut out your choice of window displays from page 11.

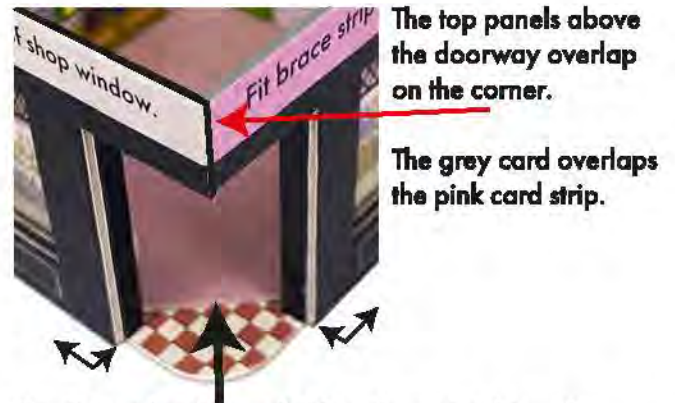


Straight backed

Sloping style.

This one with a sign in front.

Once you are happy with your interior, fold the two front walls around and fix to the edges of base card. Make sure the door side tabs can fold inwards.



The top panels above the doorway overlap on the corner.

The grey card overlaps the pink card strip.

The door side tabs are held in place at right angles with the door step pushed tight against the shop floor.

Fit the top brace strip wrapped around the corner to hold it in place. Fit flush to top edges.

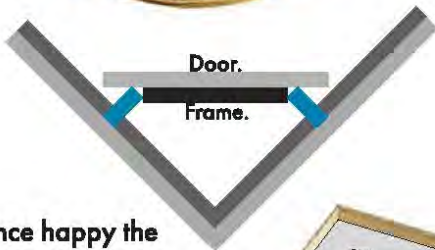


## The door.

Fix the door frame to the front of the door WF3.



The door then slots down between the two door side tabs. (shown in blue on the plan below.)



Once happy the door is fast, drop in the grey card ceiling G3.

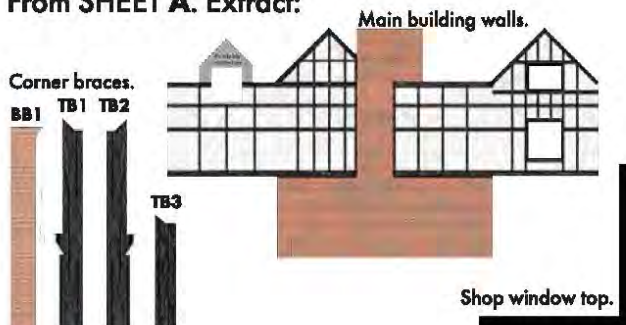
Push down inside sitting on top of the inner walls and windows.



The shop unit is now complete.

## 2 The Main Building.

From SHEET A. Extract:

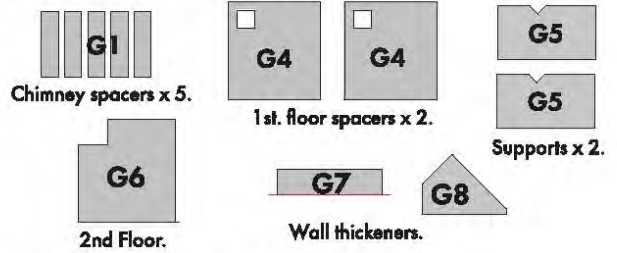


From SHEET B. Extract:

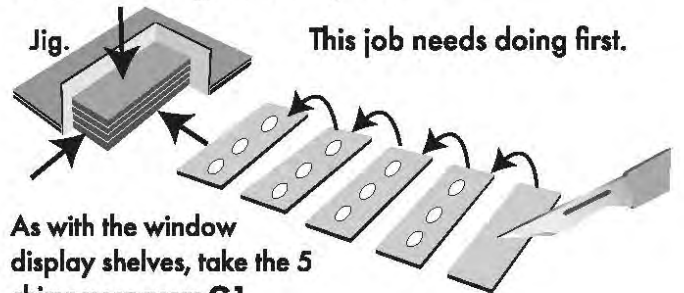
Make sure the score lines along the top of the signs are well and truly loosened.



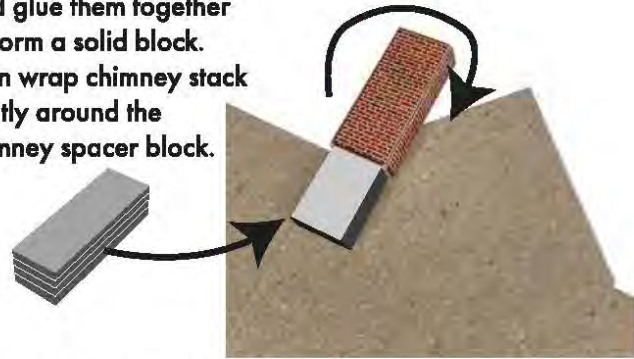
From SHEET C. Extract:



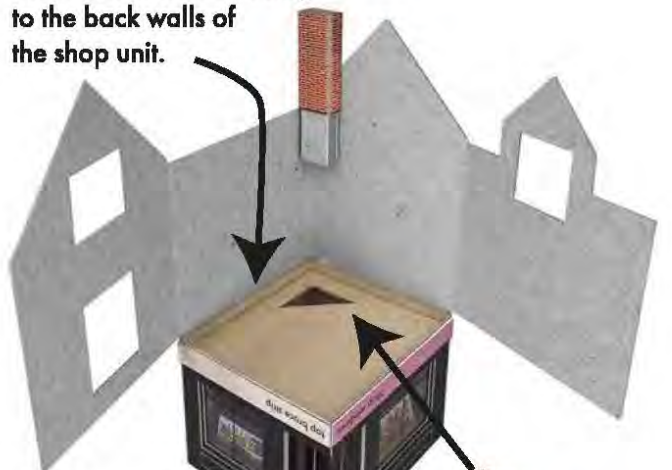
### Main Building Chimney Stack.



As with the window display shelves, take the 5 chimney spacers G1. and glue them together to form a solid block. Then wrap chimney stack tightly around the chimney spacer block.



Now fix the main building to the back walls of the shop unit.

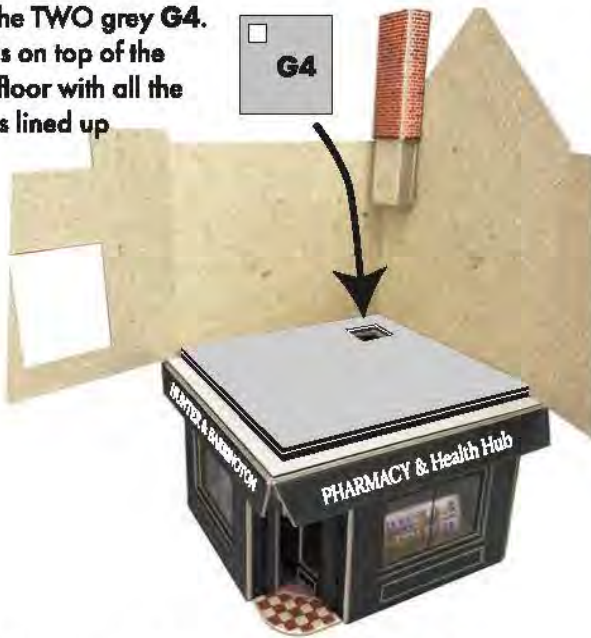


Hold tight whilst keeping all the base edges flat on your work surface.

Once fast, fit the 1st floor sitting on top of the shop unit and pushed firmly into the corner.



Fix the TWO grey G4. cards on top of the 1st. floor with all the holes lined up



Fold the upper walls around and fix to the edges of the G4. cards. Don't bother trying to glue the corners together yet.



Place tiny spots of glue underneath the sign boards.



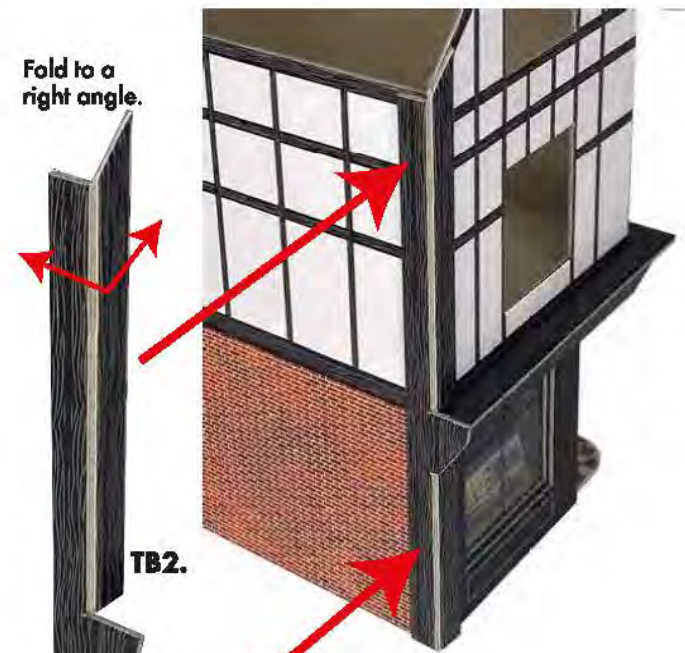
Along the edges  
Then fold them down and hold until fast.

Fix the window top down onto the top of the overhanging signs.

Push tight against the walls.

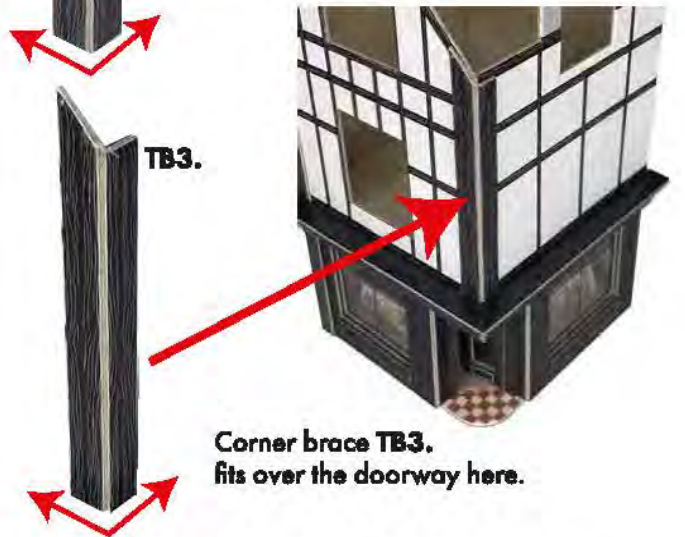


Fold to a right angle.



TB2.

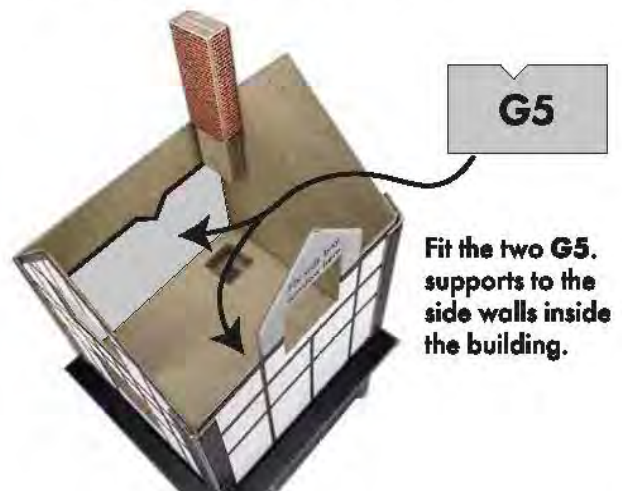
Fit Corner Brace TB2. to this corner. TB1. fits to the opposite corner in exactly the same way.



TB3.

Corner brace TB3. fits over the doorway here.

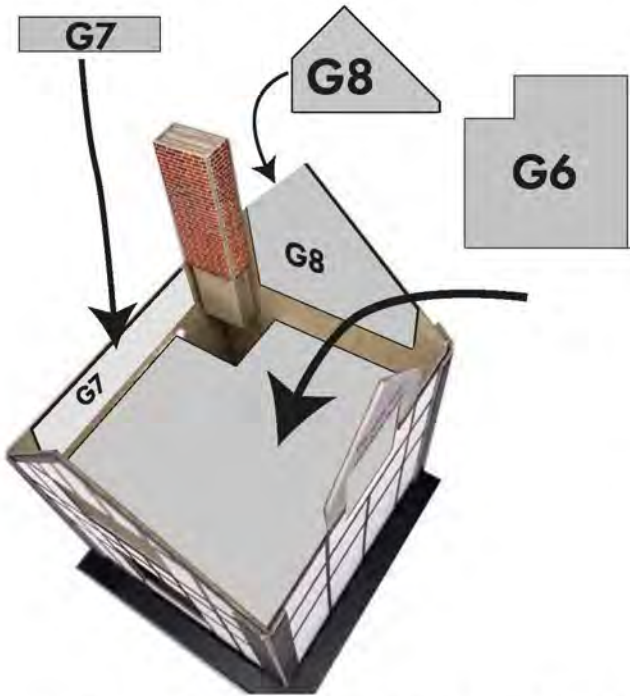
The RED BRICK corner brace BB1. fits over the corner of the brick chimney stack.



G5

Fit the two G5. supports to the side walls inside the building.

Sit floor **G6**. down on top of the supports, then fix **G7**. & **G8**. wall thickeners as shown.



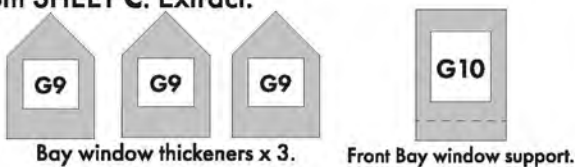
The wall thickeners make gluing the roof down a little easier.

### 3 The Windows.

From SHEET A. Extract:



From SHEET C. Extract:

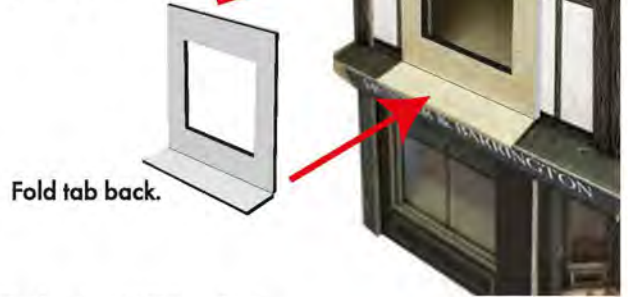


#### CURTAINS

If you intend to fit curtains to the windows you need to do it as you fix the windows in place. See page 10.

### Front Bay Window.

Fit the bay window support to the front wall sitting on top of the shop window. line hole up with opening in wall.



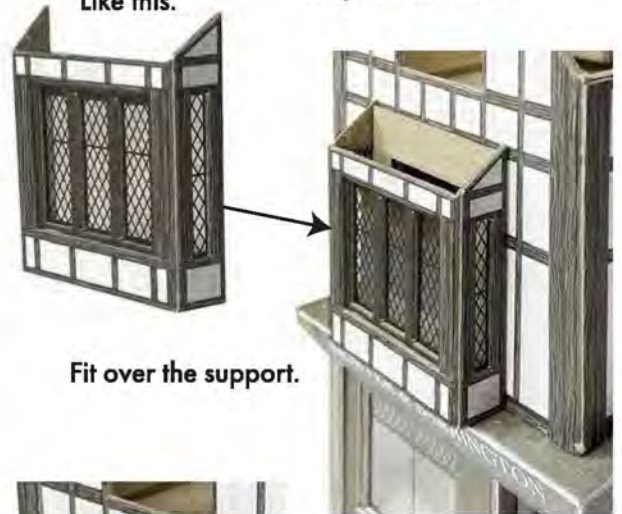
Fit the tiny WF5s. glazings to the side openings in the bay.

Fit the large WF5. glazing to the back of the matching window frame.



Then fit frame into bay the window.

Like this.



Fit over the support.



Then fit the small roof.

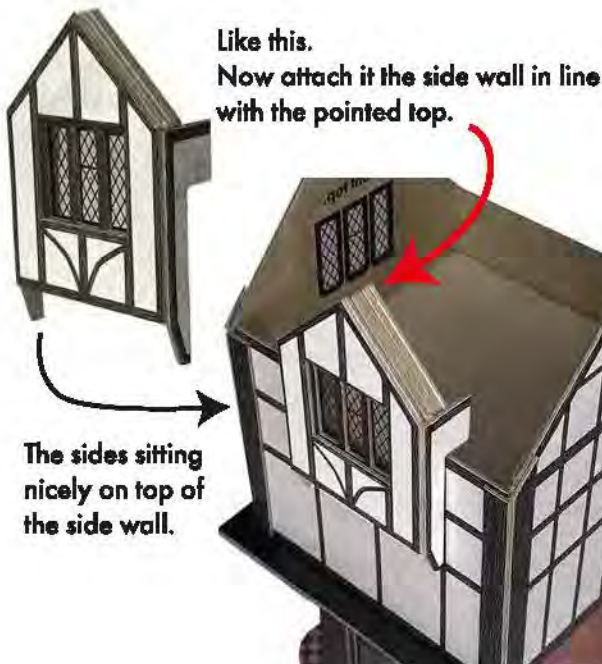
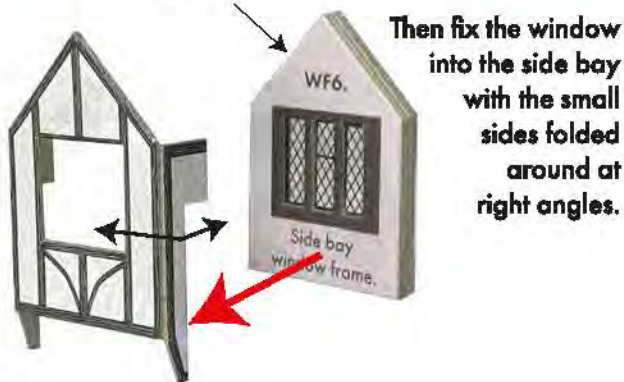
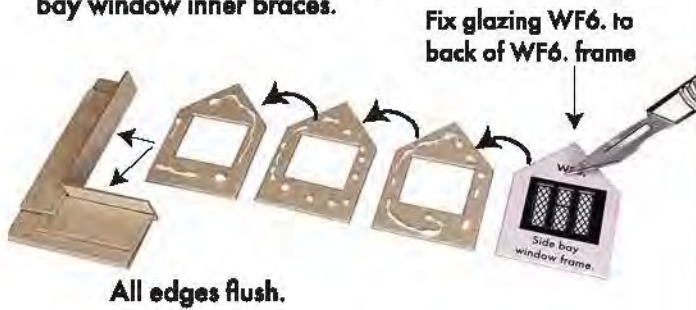
## Front Top Window.

Next fit the glazing to window frame WF4. and fix it to the back of the opening above the front bay.



## Side Bay Window.

Fix side bay window frame on top of the three G9. bay window inner braces.

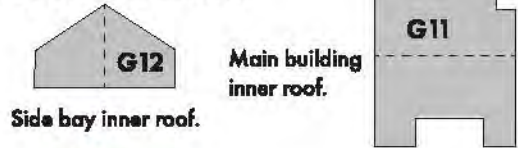


## The Roof.

From SHEET A. Extract:



From SHEET C. Extract:



Fit the G11. grey card inner roof. Make sure you hold it down firmly on the tops of the gable walls as the glue sets.

Fit the printed tiled roof on top.



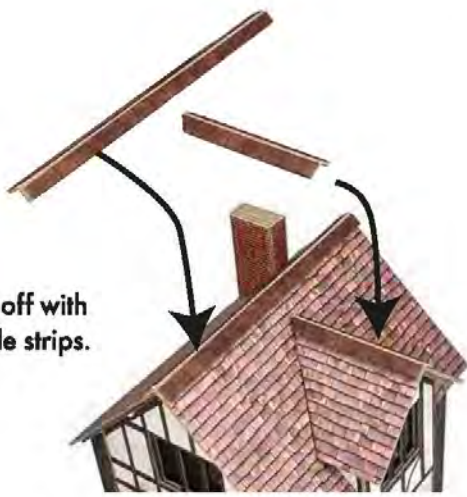
Now fit the small inner roof G12. over the side bay.

Push tight into the recessed area around the printed roof.

Fit the side bay roof.



Finally top off with the ridge tile strips.



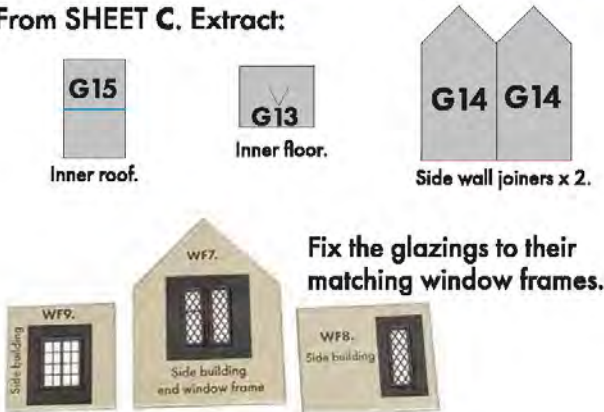
## 5 The Side Building.

From SHEET A. Extract:  TB4. & TB5.  
Corner braces.

From SHEET B. Extract:



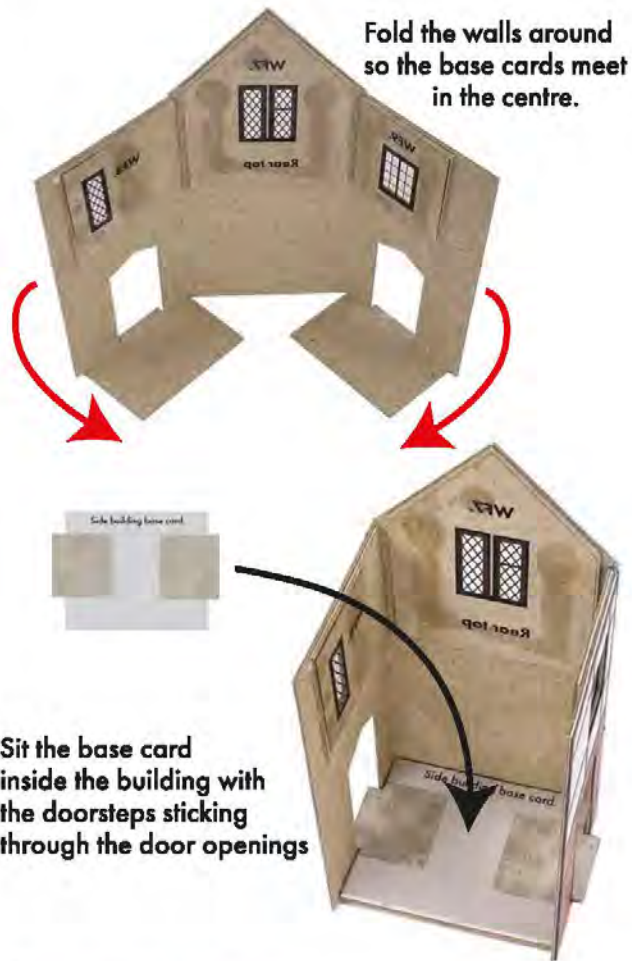
From SHEET C. Extract:



Now fit the frames to the building.  
Remember, if you are fitting curtains, now is the time to do it.



Fold the walls around so the base cards meet in the centre.



Fix the door frames to the doors on both right and left hand doors.



Fit the doors inside the building.

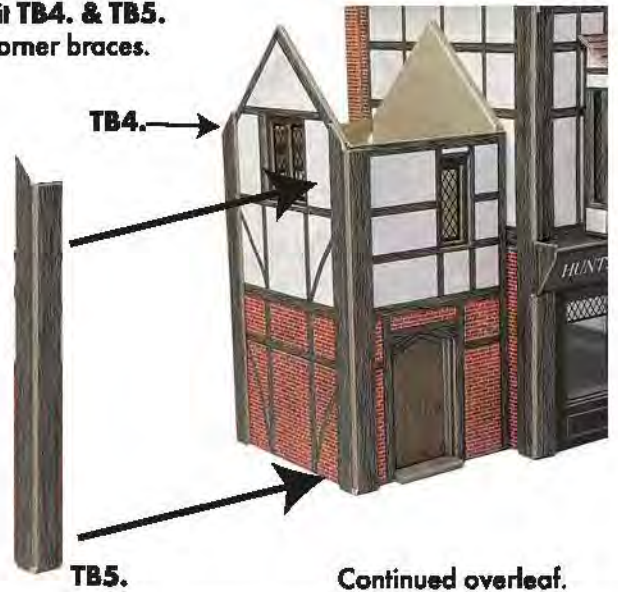






Fit the inner floor **G13**, sitting on top of the doors and pushed tight to the gable wall.

Fit **TB4.** & **TB5.** corner braces.



Continued overleaf.

Fix the two **G14.** wall joiners one on top of the other against the main building.

You have a choice. They can be fixed to the wall shown here, or the other wall, as shown below.



Fit in the centre and flush to wall bottoms otherwise you may have to trim the roof overhangs later.

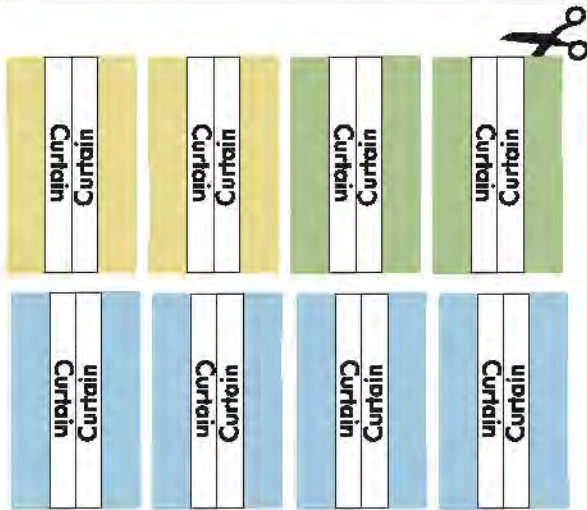
The side building sits over the joiners like this.





Fix the inner roof **G15**.

Top off with the printed roof tiles and the ridge tile strip.



### Curtains.

After you have fitted the glazings, if you require curtains now is the time to fit them. To fit curtains fix a small strip of waste card down each side of the window and attach the curtains either side so that a little strip shows through the window, the waste card will space the curtain back from the glazing.



Curtains set back behind the windows on this kit especially white, will highlight the leaded windows

**FOR WHITE CURTAINS** Turn them over, or just cut white paper to fit.

## 6 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 OO scale.

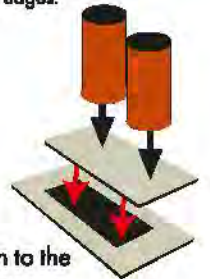


Keep edges straight.

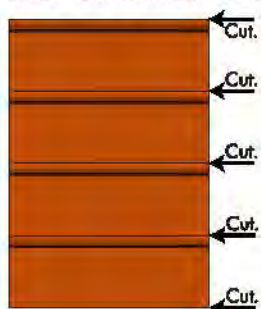
Roll up tight and keep rolling until the paper is fully curled around.

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.

Paint tops black to hide white card edges.



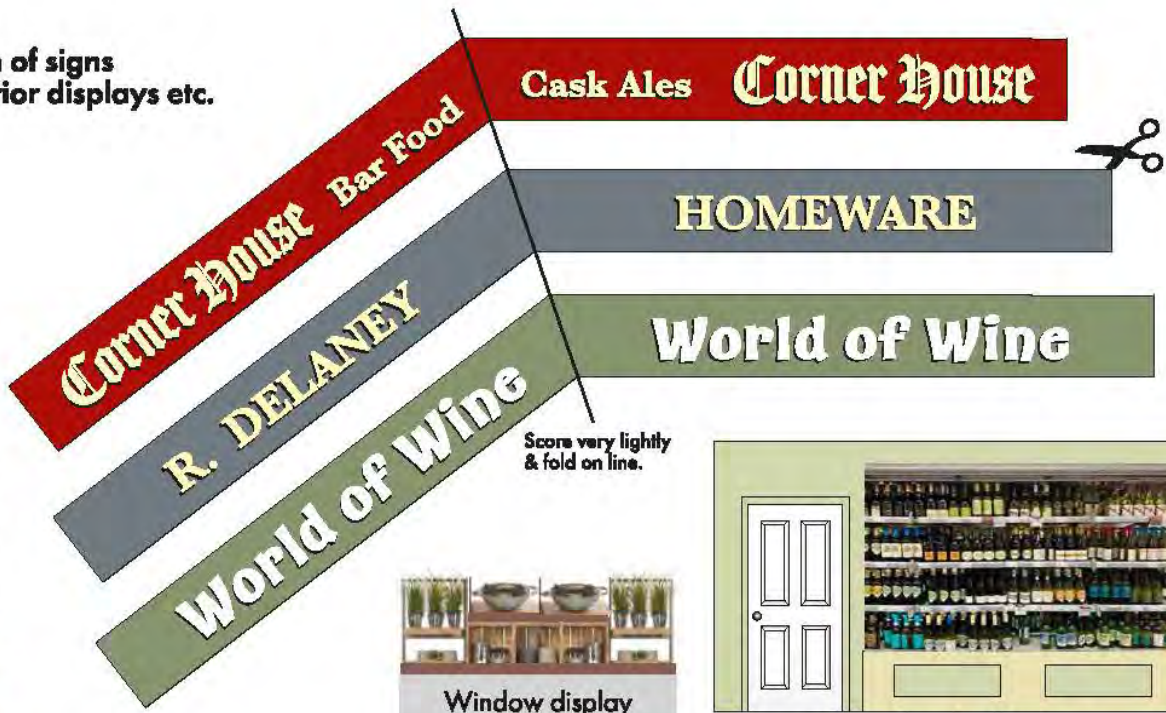
Mount the pots on to the chimney capping stones **YOU WILL FIND THEM ON SHEET A.** before fixing to the main chimney stack.



Extra curtains and chimney pots can also be downloaded from our web site [www.metcalfe-models.com](http://www.metcalfe-models.com)



Selection of signs and interior displays etc.



Corner House  
Headbanger  
Guest Ale  
on tap  
NOW

Corner House  
Quiz Night  
every  
Tuesday

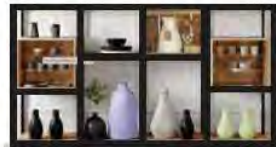
Score very lightly  
& fold on line.



Window display



Wine shop back scenes.



Window display

SALE  
NOW  
ON



Window display



Homeware back scenes.



Window display



Pub back scenes.



Window display



Window display



Window screen



Window screen



