

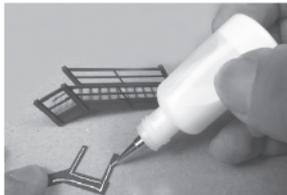
PO256 OO Scale STABLE BLOCK

READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START.

To construct this kit you will need the following:

1. A Modellers knife.
2. A pair of sharp pointed scissors.
3. A steel ruler.
4. Glue - UHU Clear Adhesive is our favourite.
5. Ultra Fine Tip Glue Applicator, *see below*.
6. A cutting surface - a sheet of card or a cutting mat.
7. Fine point tweezers to hold the smaller components.
8. Water colour paints and a very fine brush, for painting the edges and corners.

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 All Purpose Adhesive Glue

Is available in standard and solvent free. Both types are fine for use in our glue bottles, even though the instructions on the back of the packs warn against solvent based glues, we have tested the UHU solvent based glue and it works fine. The solvent free glue doesn't string as much, but can be a little harder to clean off if it drips onto unwanted areas.

Speed Bond by Deluxe Materials

This is an excellent PVA. based glue that dries quickly, but also allows time to get parts into position. It has the added advantage that it dries clear leaving little evidence if it oozes out of joints etc. Used in our fine glue applicator bottles a 112g bottle lasts for ages. www.deluxematerials.com

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 simply run the point of your knife along the scorelines and they will come seamlessly away. These scorelines are indicated 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 the kit components. The Laser cut components are held to the sheet with tiny score points, these parts can be carefully pushed out from the base sheet.

INSTRUCTION SHEET 1

CHECK LIST

This kit pack should contain the following:

- 1 x SHEET A - Printed stable parts
- 1 x PLAIN GREY CARD - Internal strengthening parts.
- 1 x LIGHT BROWN CARD - a small sheet with laser cut parts.
- 1 x INSTRUCTION SHEET.

2 MAKE YOUR 'BUILDERS YARD'.

This is an area kept away from your working surface, where you store ALL components extracted from the base sheets until needed.

Use a piece of thick card or a tray to make your builders yard.



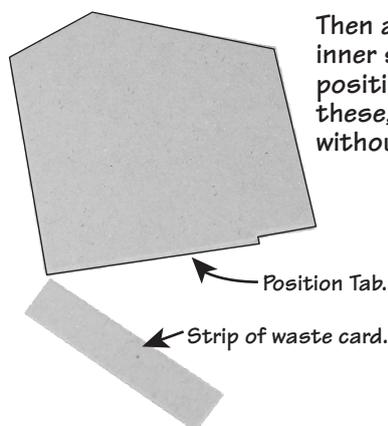
Your WORKING area should have a clean flat surface, and should only contain the kit parts you are actually working on.

EVERYTHING ELSE SHOULD BE KEPT NEATLY ARRANGED IN THE BUILDERS YARD, UNTIL NEEDED.

PLEASE NOTE: Don't throw anything away. Keep all the waste card in a box until the kit is finished, just in case you can't find anything. The chances are that it will be there.

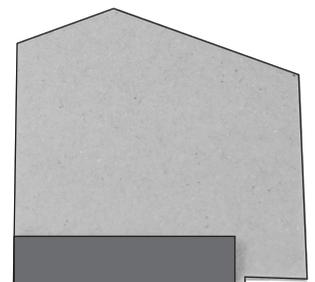
Fig. 1. INTERNAL STRENGTHENER

Before you throw away the base grey strengthener card, cut a 35mm section off the bottom of the card.



Then add this section to the inner strengthener with the position tab. There is only one of these, four of the other type without a position tab.

Glue the strip of card flush to the bottom of the strengthener to make the position tab double thickness. (it doesn't have to be the exact size it just helps the strengthener to fit into the base slot - fig. 2)



Like so.

Fig. 2. STABLE BLOCK BASE

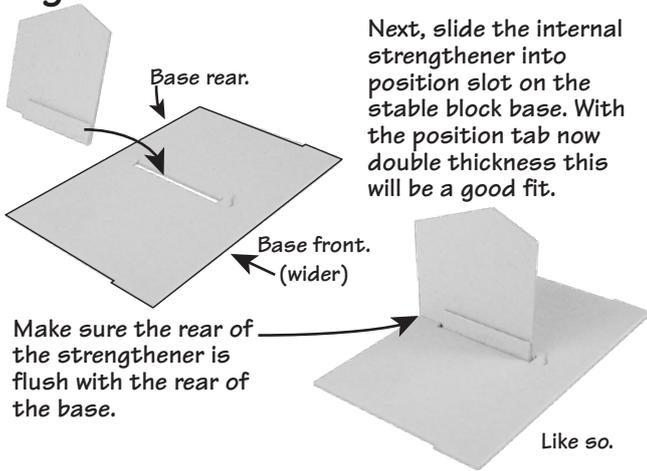
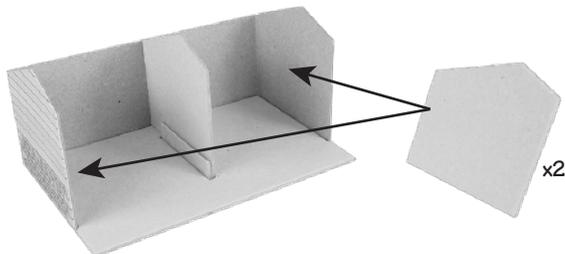
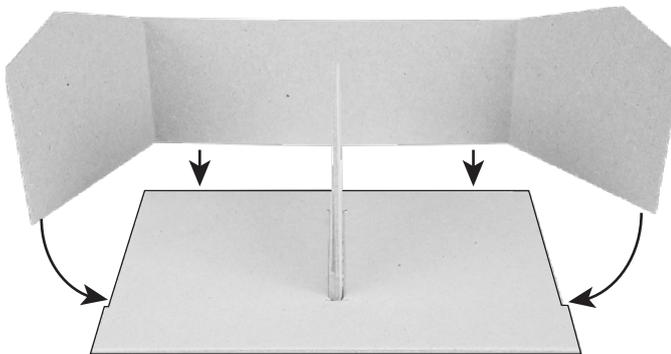
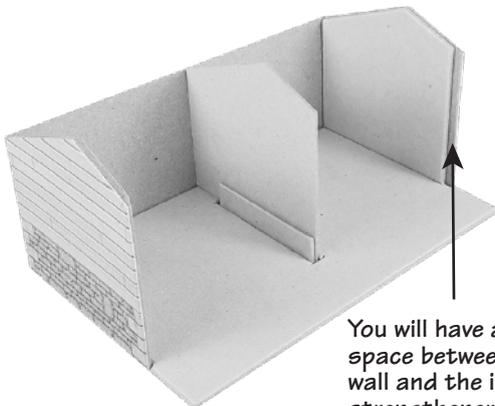


Fig. 3. STABLE BLOCK REAR & SIDE WALLS

Now wrap the stable block rear (and side) wall section around the base rear. The side walls will finish flush to the wider front section of the base.

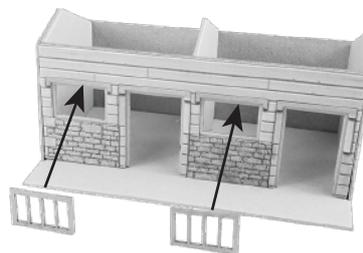
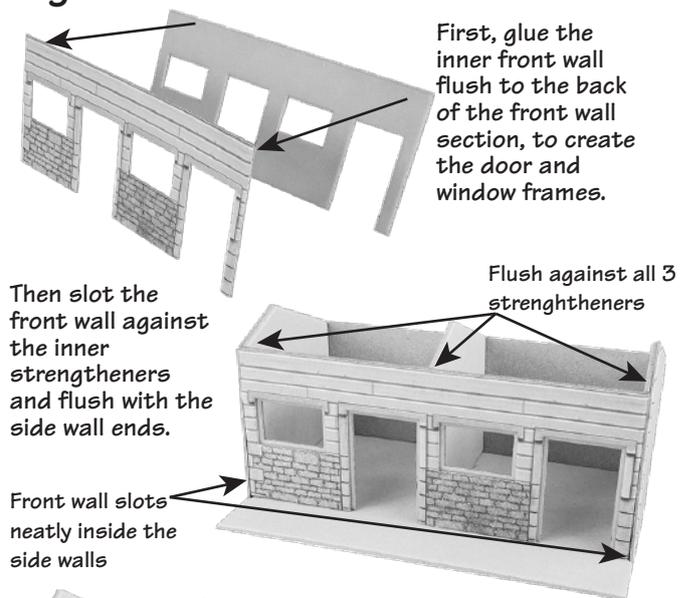


Now glue 2 side strengtheners flush against both the wall sides. Make sure the strengtheners are flush to the rear wall and the top points are aligned.



You will have a 2mm space between the side wall and the inner strengthener. This is for the front wall section to slot in against - Fig. 4

Fig. 4. STABLE BLOCK FRONT WALL



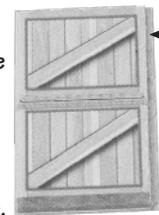
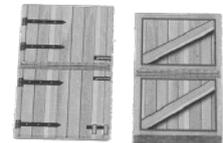
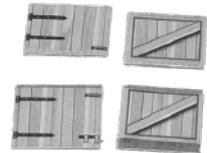
The laser cut window bars slot flush into the window frames.

Fig. 5. STABLE DOORS

The stable doors can be used in various ways, and have been scored across the middle so it's easier for you to cut if required.

So if you require a half door, then carefully cut along the central scoreline.

Glue the inside of the door to the outer door leaving a 1mm space at the side of the hinges. This space then fits against the inner door frame of the stable



Leave a 1mm space along this edge (hinge side on front)

Then fix the doors into place.

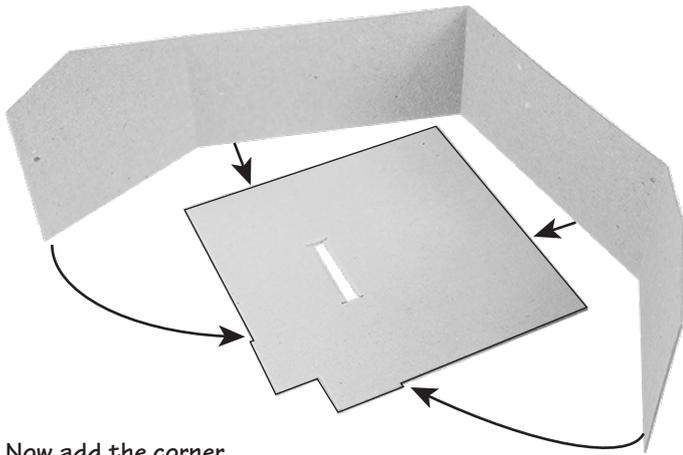


Note: the front hinge side of the door fits flush against inner frame, whilst the inside of the door fits within the door frame. Now put the stable block to one side and move onto the corner block.

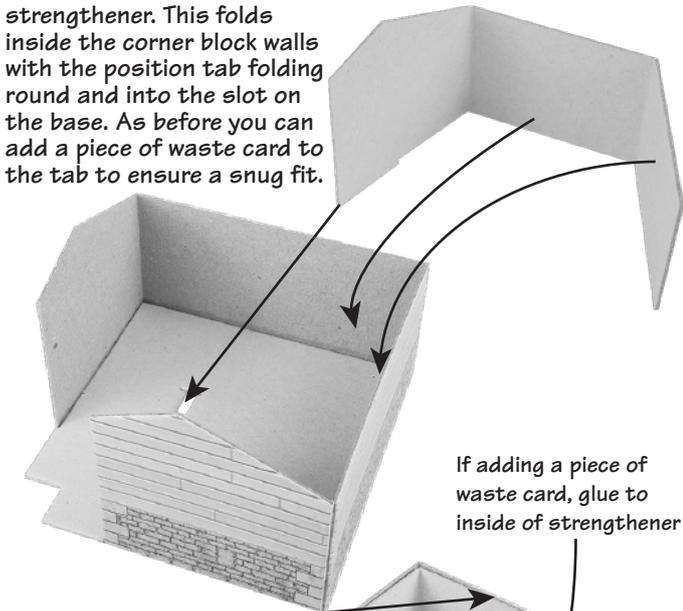
DO NOT GLUE THE ROOF INTO PLACE YET!

Fig. 6. CORNER BLOCK BASE & WALLS

Wrap the corner block rear wall around the corner base, with the side walls finishing flush against the front corner tabs.



Now add the corner strengthener. This folds inside the corner block walls with the position tab folding round and into the slot on the base. As before you can add a piece of waste card to the tab to ensure a snug fit.



If adding a piece of waste card, glue to inside of strengthener

Flush to top of the outer wall.

Finally add the 2 remaining side strengtheners, as before keeping them flush with the side walls.

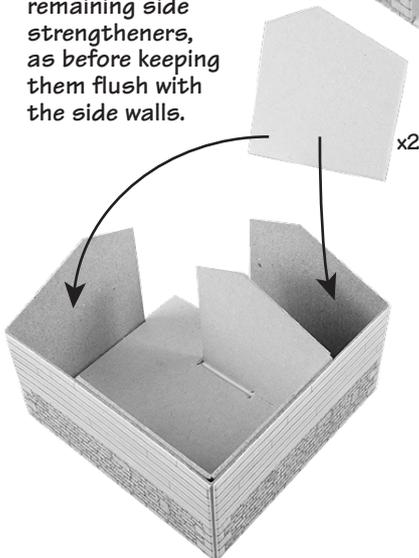
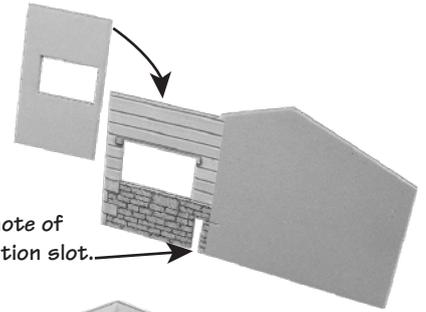


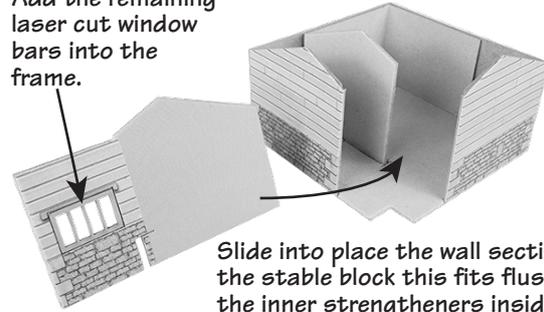
Fig. 7 . CORNER BLOCK DOOR & WINDOW

Align and glue the inner corner block wall into place behind the front wall. Make sure that the narrower window frame is pointing to the inside of the wall section.

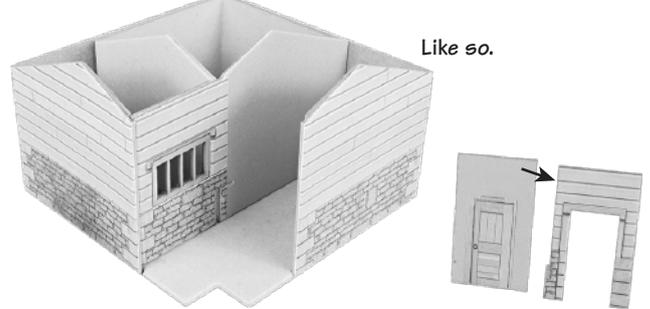


Make a note of this position slot.

Add the remaining laser cut window bars into the frame.



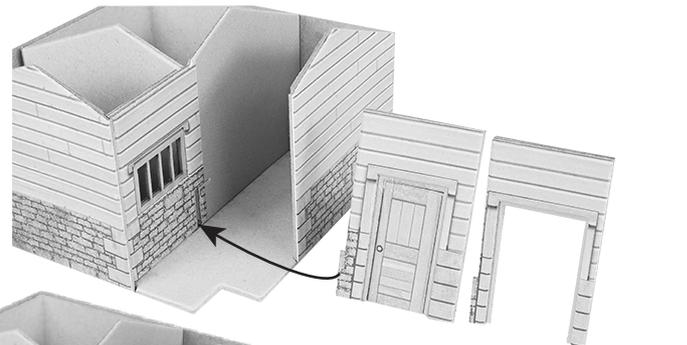
Slide into place the wall section. As with the stable block this fits flush against the inner strengtheners inside the outer wall.



Like so.

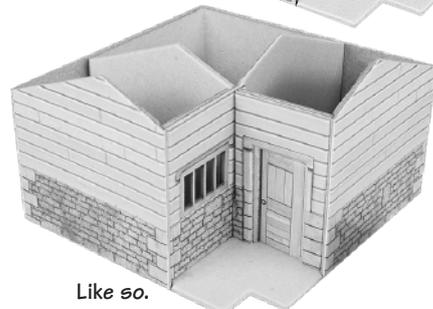
Choose whether to use either a stable door or a 'tack room' door. Then align and glue the inner door to the corresponding outer door frame.

Make a note of the position tabs on the outer door frames.



Like so.

Whichever door you use, they fit the same way. The position tab on the door frame fits into the position slot on the wall. The opposite side of the frame fits snug against the inner strengthener. Add a stable door as described in Fig. 5



Like so.

Now fix the 2 buildings together (if you want to) before adding the laser cut pillars.

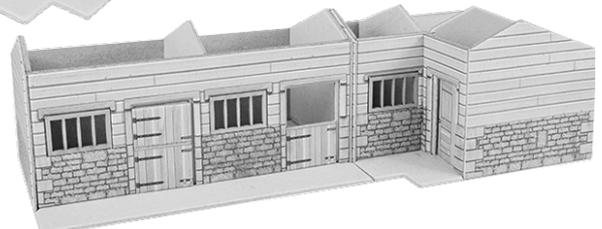
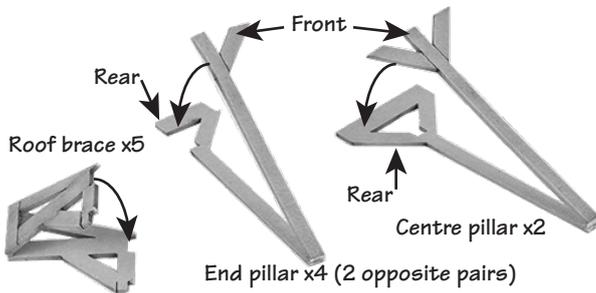


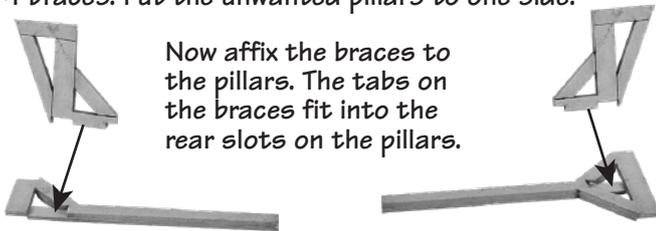
Fig. 8. PILLARS & SUPPORT BEAM

Read through this whole section before assembling laser cut parts, so you can adapt construction to the building layout that you require.

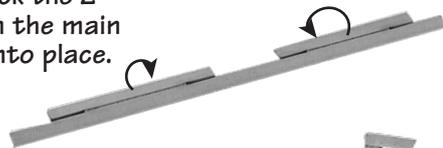
First fold back and glue together the 4 end pillars, the 2 centre pillars and the 5 roof braces.



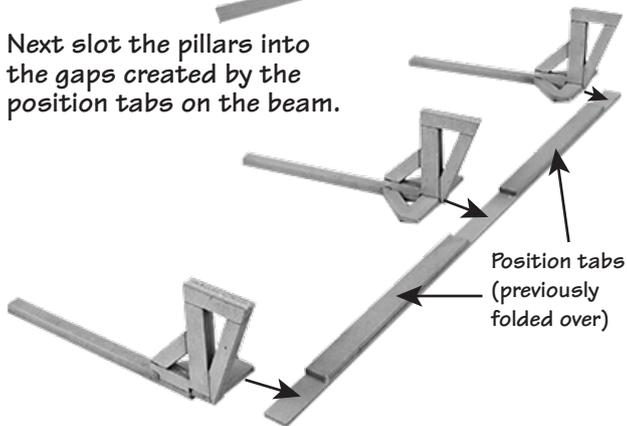
If you are keeping the stable block and the corner block as separate buildings then you only need one centre pillar and all 5 braces. If combining the 2 buildings (as shown in these instructions) then you'll need both centre pillars, 1 pair of end pillars and only 4 braces. Put the unwanted pillars to one side.



Carefully fold back the 2 position tabs on the main beam and glue into place.



Next slot the pillars into the gaps created by the position tabs on the beam.

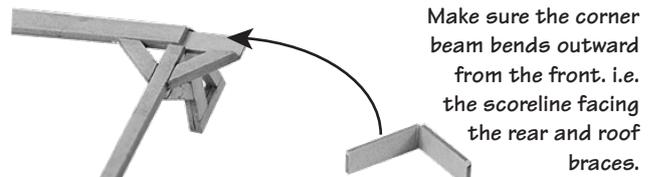


If you are creating a beam for a combined building, then you need to add a centre pillar to the end of the beam which will join the corner block. Remember, the beam's front is face down on the work surface as shown in the above picture, so double check which end you need the centre pillar.

Lastly add the roof sections for both buildings and add a strip of roof tiles to finish the model.

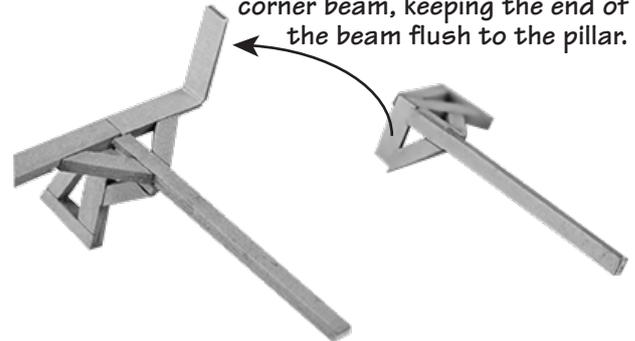
Fig. 8. PILLARS & SUPPORT BEAM cont'd

To combine the main and corner beam, fold the corner beam 90 degrees then glue it flush to the main beam on the centre pillar.



(If the corner building is being kept separate then attach a pair of end pillars to either end of the corner beam).

Now add the end pillar to the corner beam, keeping the end of the beam flush to the pillar.



Allow the completed beam and pillar section to dry.

