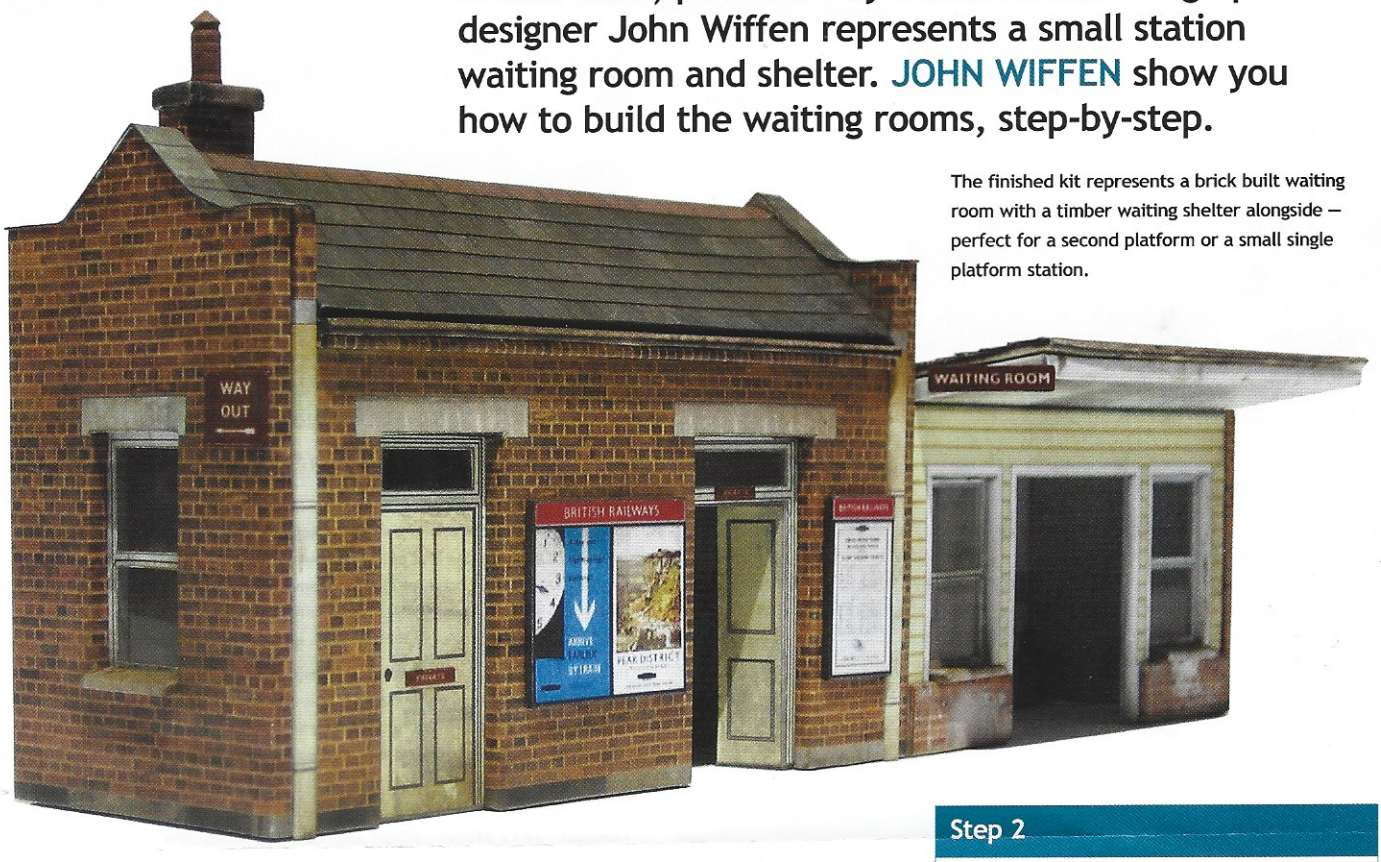
Building the Waiting Rooms

Hornby Magazine's fifth exclusive free kit (inserted in this issue) produced by Scalescenes.com graphic designer John Wiffen represents a small station waiting room and shelter. JOHN WIFFEN show you how to build the waiting rooms, step-by-step.



The finished kit represents a brick built waiting room with a timber waiting shelter alongside – perfect for a second platform or a small single platform station.

Tools required

- ☐ Steel ruler
- ☐ Modelling knife *[Card blunts knives, replace blade regularly!]*
- ☐ Tweezers
- ☐ Glue stick *[Ideal for applying printed sheets to card]*
- ☐ 'All purpose' clear or PVA adhesive
- ☐ CA or 'super glue' *[Ideal for small elements]*
- ☐ Artist's matt spray varnish
- ☐ Felt tip pens
- ☐ Cutting mat or sheet of thick card
- ☐ Damp cloth *[To wipe glue off fingers]*
- ☐ Fine sand paper *[To smooth rough edges]*
- ☐ Small right angled square or block

For construction tips go to:
http://scalescenes.com/construction-tips-page

Assembly

- Spot or thin bead of glue
- Coat well with glue stick
- Cut along line
- Fold along line
- Lightly score and fold along line
- Apply weight
- Assembly tip
- Roll and glue edge

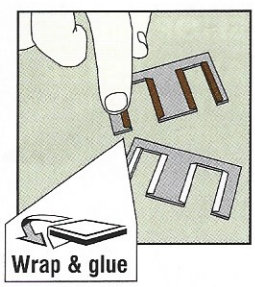
Wrap & glue — Wrap and glue printed sheet around edge

Print only — Printed sheet only required

Medium card — Glue printed sheet to: *00 approx 1mm*

Heavy card — Glue printed sheet to: *00 approx 2mm*

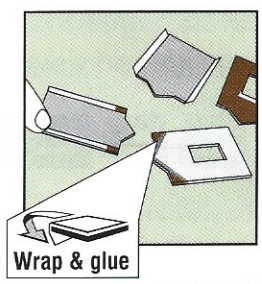
Step 1



Mount the sheet labelled Heavy Card on to board approximately 2mm thick and the sheet labelled Medium Card on to board approximately 1mm thick. Squarely glue the *External front wall cover layer* over the *External front wall base layer*. Flip the wall over (print down) and apply a thin bead of glue along the doorway flaps and gently fold them tightly around the openings. Check for bubbles and creases. Repeat step for the Internal front wall cover layer and Internal front wall base layer.

NOTE: Don't glue the internal and external walls together yet!

Step 2



Fold along the blue dotted lines on the *External side wall cover layers* and cut out. Glue the corresponding base layers into the centre of the cover layers. Wrap and glue the overhanging flaps tightly around the edges. Check for bubbles and creases.

Repeat step for the *Internal side wall cover layers* and *Internal side wall base layers*.

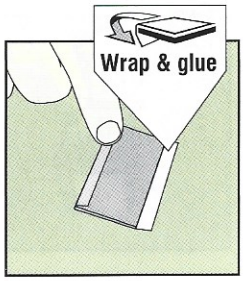
NOTE: Don't glue the internal and external walls together yet!

Scalescenes.com

Scalescenes.com was started in 2003 by John Wiffen, an experienced graphic designer and keen model railway enthusiast. His aims were to reduce the cost of building substantial numbers of the same kit and also provide a range of material finishes.

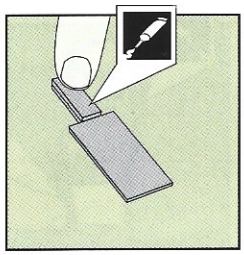
The full range of railway and town buildings can be found at *www.scalescenes.com* Each kit comes complete with instructions for how to build it and also how to print it.

Step 3



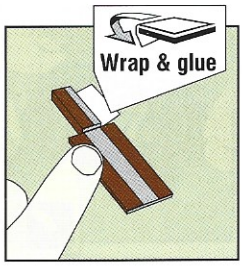
Fold along the blue dotted lines on the *Internal chimney cover layer* and cut out. Glue the corresponding base layer into the centre of the cover layer. Wrap and glue the overhanging flaps tightly around the edges. Check for bubbles and creases.

Step 4



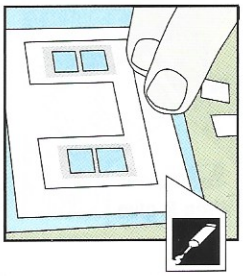
Glue the *Chimney base layers* together.

Step 5



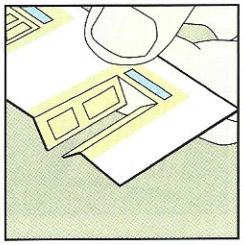
Fold along the blue dotted lines on the *Chimney cover layer* and cut out. Glue the base layers into the centre of the *Chimney cover layer*. Wrap and glue the overhanging flaps tightly around the edges. Check for bubbles and creases.

Step 6



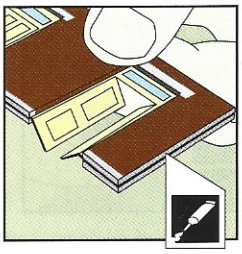
With a sharp blade, carefully cut out the window openings on the *Door overlay*, *Window overlay* and *Shelter window overlay*. Apply a very thin even coat of glue to the back of each of the overlays and very carefully position them over a sheet of clear film. Allow glue to set and then cut out.

Step 7



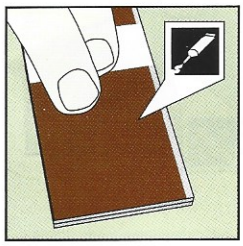
In order to reveal the interior detail you may wish to score along the door sides and carefully bend them into an open position. Cut out the corresponding *Door backs* and glue into position.

Step 8



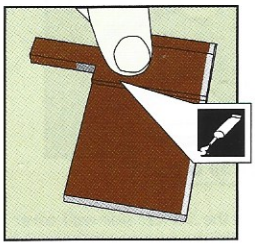
Apply a thin, even, coat of glue to the back of the *External front wall* and position squarely over the *Door overlay*. Repeat step for the *Internal front wall*. Apply weight to ensure good adhesion.

Step 9



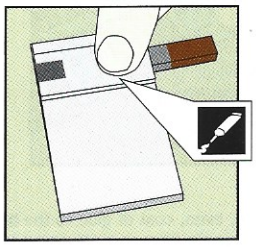
Ensuring that the tops are both correct, squarely glue the *External and Internal rear wall* together back to back (printed sides out). Apply weight to ensure good adhesion.

Step 10



Squarely glue the chimney into position over the rear wall.

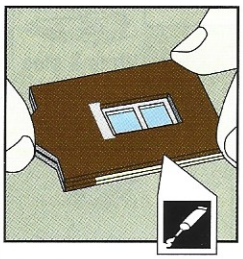
Step 11



Squarely glue the internal chimney into position over the rear wall.

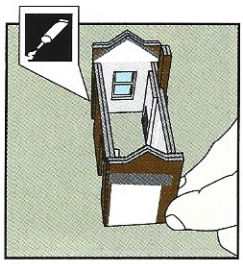
Building Your Free Kit

Step 12



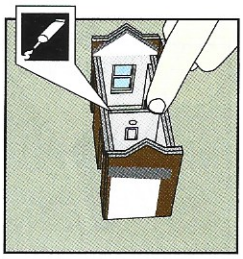
Apply a thin, even, coat of glue to the back of the *External side wall* and position over the *Window overlay*. Checking that the gables are in alignment, glue the *Internal side wall* into position. Please note that the internal wall is slightly wider than the external wall to form slightly raised drainpipes. Apply weight to ensure good adhesion. Glue the other side wall together back to back.

Step 13



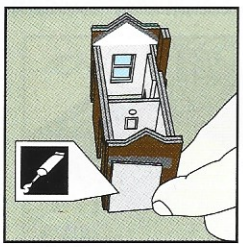
Apply a thin bead of glue to the outside edges of the *front and rear walls* and squarely position in between the side walls. Sitting the structure on a level surface, use a small square or block to ensure the walls are perpendicular. Set aside until the glue has dried.

Step 14



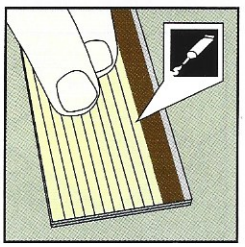
Glue the two *Internal dividing walls* together back to back (printed sides out). Apply weight to ensure good adhesion. Apply a thin bead of glue to the edges of the *Internal dividing wall* and position in the centre of the structure.

Step 15



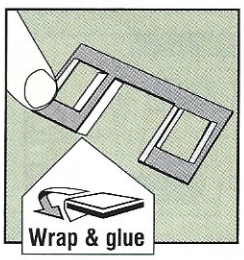
Glue the corresponding *Internal shelter side wall* to the end of the side wall.

Step 16



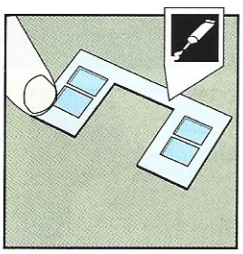
Glue the *Shelter rear walls* together back to back (printed sides out). Apply weight to ensure good adhesion.

Step 17



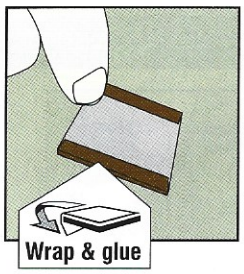
Cut out and place the *Shelter front wall cover layer* printed side down. Cut out and apply a thin, even coat of glue to the *Shelter front wall base layer* then carefully position squarely over the back of the cover layer. Apply a thin bead of glue along the flaps and gently fold tightly around the card. Check for bubbles and creases.

Step 18



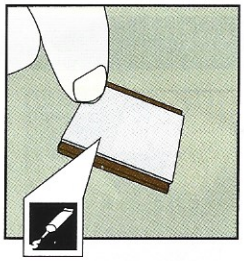
Apply a thin, even, coat of glue to the back of the *Shelter front wall* and squarely position *Shelter window overlay*.

Step 19



Wrap and glue the *Shelter side wall cover layer* around the *Shelter side wall base layer*. Check for bubbles and creases.

Step 20



Glue the *Internal shelter side wall* into the centre of the *Shelter side wall*.

Finishing tasks

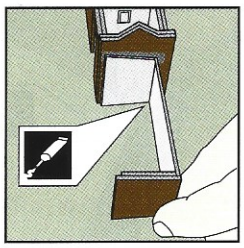
Sealing: Once your building is complete, apply several light coats of artist's matt spray varnish to the entire model to protect the print surface, but use small tabs of 'Post it' notes to mask off the windows (matt spray can add an unwanted frosting to the glazing).

Optional signs: Cut out the signs as required. Run a felt tip pen around the sides to remove the paper's white edge. Carefully apply glue to the back and position.

Optional posterboards: Cut out the signs as required. Run a black felt tip pen around the sides. Carefully apply glue to the back and position.

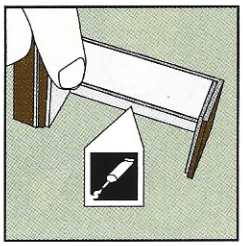
Optional basic weathering: Using a sharp knife scrape a small amount of black and brown artist pastels onto a scrap of card. With a soft brush work very small amounts of the pastel dust into the corners and surface of the structure as required. Build up thin layers slowly, don't over do it!

Step 21



Apply a thin bead of glue to the outside edges of the shelter rear wall. Squarely position in between the shelter side walls. Sitting the structure on a level surface, use a small square or block to ensure the walls are perpendicular. Set aside until the glue has dried.

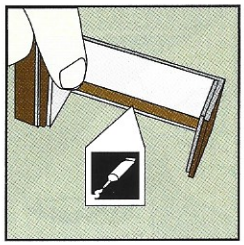
Step 22



Cut out and test fit the *Shelter bench support* and glue into position.

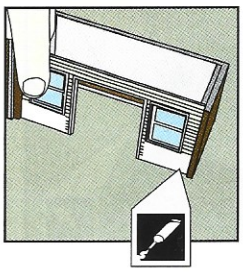
Glue the shorter *Bench support* into position inside the main structure.

Step 23



Fold along the blue dotted lines of the *Bench seats* then glue together. Test-fit the two bench seats and glue into position along the top of their corresponding supports.

Step 24

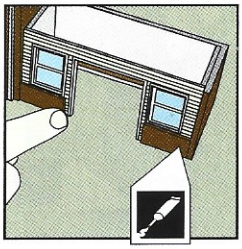


On a level surface test-fit the *Front shelter wall* and glue into position.

Step 25

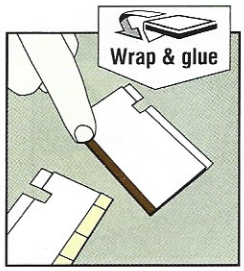
Cut out the *Shelter plinth base and cover layers*. Glue the base layer squarely into the centre of the cover layer. Apply thin beads of glue to the overhanging flaps and gently fold them tightly around the edge of the base layers. Check for bubbles and creases.

Step 26



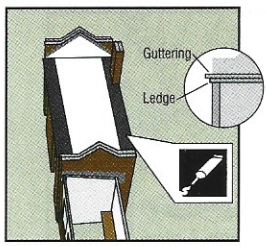
Glue the plinths into position along the front of the shelter wall.

Step 27



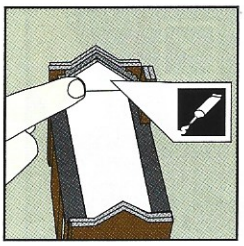
Fold along the blue dotted lines and cut out the *Ledge and Guttering cover layers*. Place both cover layers printed side down. Apply a thin, even coat of glue to the corresponding base layers and squarely position over the cover layers. Check for bubbles and creases. Apply a thin bead of glue along the flaps. Wrap the flaps tightly over the edges of the base layers.

Step 28



Test-fit and squarely glue the *Ledge* to the tops of the front and rear walls. Test-fit the *Guttering* over the ledge and glue into position. Apply weight to ensure good adhesion.

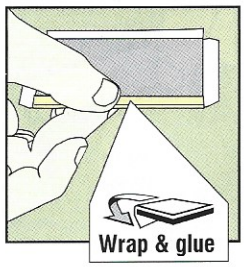
Step 29



Glue the *Roof supports* to the inside of each gable.

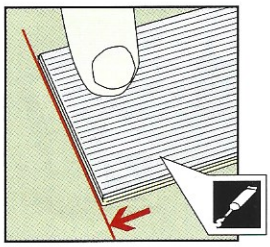
Building Your Free Kit

Step 30



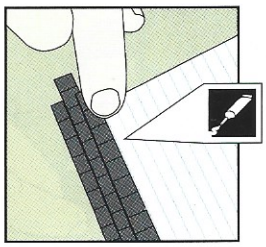
Cut out and place the *Shelter roof cover layer* and *Shelter ceiling cover layer* printed side down. Apply a thin, even, coat of glue to the corresponding base layers and position squarely over the back of the cover layer. Check for bubbles and creases. Apply a thin bead of glue along the flaps. Wrap the flaps tightly over the edge of the base layers.

Step 31



Glue the *Ceiling* squarely over the top of the roof, ensuring that looking front-on, the left hand sides are flush. Apply weight to ensure good adhesion.

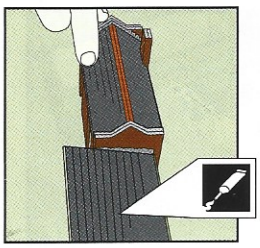
Step 32



Cut the *Roof tiles* into strips. Lining the TOP edges of the roof tile strips with the light blue guidelines, carefully glue the strips to the roof, working from the 'bottom' up to the 'top'. Wait until the glue has set, then neatly trim off the overhanging tile strips.

Repeat the process for the main roof (do not apply the *Ridge tiles* until the roof has been glued into position).

Step 33



Test-fit and glue the roof sections into position. Trim the Ridge tiles to length and glue along the top of the main roof. Apply weight to ensure good adhesion.

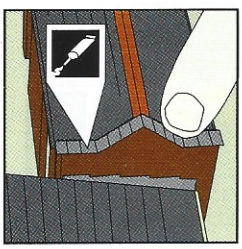
Step 34

Cut out the *Chimney top base and cover layers*. Glue the base layer squarely into the centre of the cover layer. Apply thin beads of glue to the overhanging flaps and gently fold them tightly around the edge of the base layers. Check for bubbles and creases.

Step 35

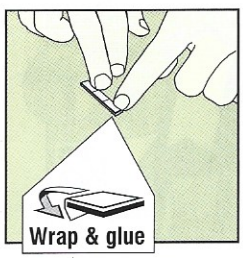
Glue the chimney top into position. Once the glue has set use the supplied guide marks to a drill hole for a chimney pot (not supplied). Chimney pots can easily be created by painting any tubing of a suitable diameter (for example, brass, styrene, ballpoint ink tubes or cotton buds) a red brown colour. Alternatively commercially available pots can be used.

Step 36



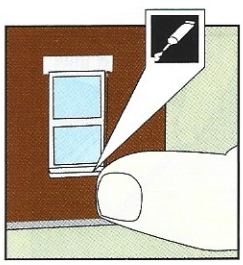
Cut out the *Side wall coping*. Test-fit, fold and trim the strips along the tops of the walls. Run a felt tip pen along the side of the capping to remove the white edge and glue into position.

Step 37



Cut out the *Window sill base layer and cover layers*. Carefully glue the *Window sill base layer* to the *Window sill cover layer* ensuring their edges line up on one side leaving a slightly overhanging tab on the other. Apply a thin bead of glue along the flap and gently fold around the card.

Step 38



Test-fit and glue the sills into position at the base of the side and shelter wall windows. Your building is now complete!