

Instructions for Assembly of the Hampden Rowhouse

N Scale Kit

These instructions cover assembly for both end units and center units which are sold separately. Minor differences in construction are detailed in the instructions.

Building Kit Contents (per unit, your kit may contain multiple units):

1 ea. 1/16" parts sheet
1 ea. Styrene parts sheet
Window shades, acetate window glazing.
1 ea. 1/8" x .25" styrene square rod

You will need the following items to assemble your model: Sharp hobby knife, file, paint, paint brushes, glue (solvent, super glue, and spray mount).

Thank you for purchasing this kit. Please read these instructions completely before beginning and take your time. Allow parts to dry after painting or gluing. Drawings of all the parts have been included for ease of part identification.

Practice gluing the acrylic together if you have never done it before. Scrap acrylic is included. We recommend using Tenax-7R by Hebcos or Plastruct brand "Plastic Weld Solvent Cement" (PPC-2 or PPC-16) or "Bondine Solvent Cement" (Bond-2 or BOND-16). Always glue acrylic in a well-ventilated area, and read the glue manufacturer's label for instructions.

Center units have two solid side walls. End Units have one windowed wall and one solid wall. You can place the windowed wall on either side of the building to make a left or right end. Simply swap walls, making certain that the brick engraving is facing out.

We recommend lightly sanding the front and back of all acrylic parts to remove the raised edge created during the laser cutting process.

For our building paint scheme we used both Krylon spray paints, found in hardware stores, and "Poly Scale Acrylics," found in most hobby shops. Always test compatibility of your paint with the acrylic by painting and testing a small area first. Paints with a high alcohol content, such as automotive spray paint, will cause the acrylic to shatter.

If by chance a part is missing or broken, please write us indicating the kit name and part number and we will send you a replacement.

About the Kit

A rowhouse is a dwelling that has a small footprint, multiple floors, and is typically found in urban areas allowing for a more dense use of space. Typically, they are working class housing, as the more grander and ornate versions are known as townhomes. This style of rowhouse is known as the “Daylight” style and became common around the early 20th century.

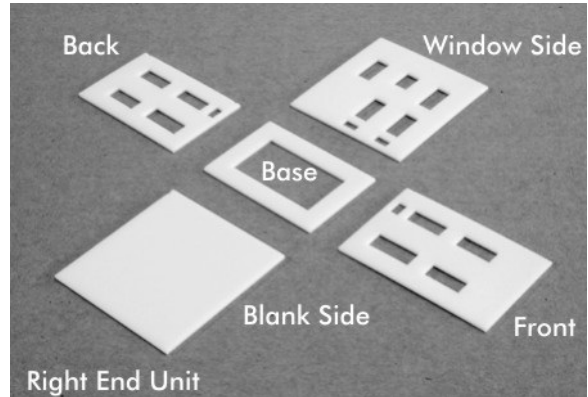


Figure 1

Rowhouse Construction

Lay the base flat on your work surface. Begin by gluing the back wall to the base. Note that the engraved line should be facing out and on the bottom of the piece. The walls glue to the side of the base so that the base ends up inside the walls. The back wall is the same width as the base. See Figure 1.

(Note that wall pieces are face down in photograph)

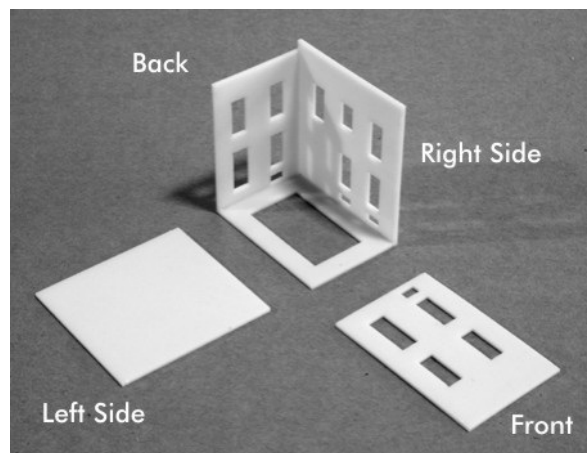


Figure 2

Next, glue the side walls in place. These walls are 1/16" larger than the width of the base and should overlap the edge of the back wall. Please note: the side walls may be swapped to create a left or right end unit. In either case, the side engraved with bricks should be facing out. This will insure that the styrene window frame will fit properly. See Figure 2.

Last, glue the front wall in place. This wall is larger than the base and will overlap the edge of the side walls to form a box. See Figure 3.

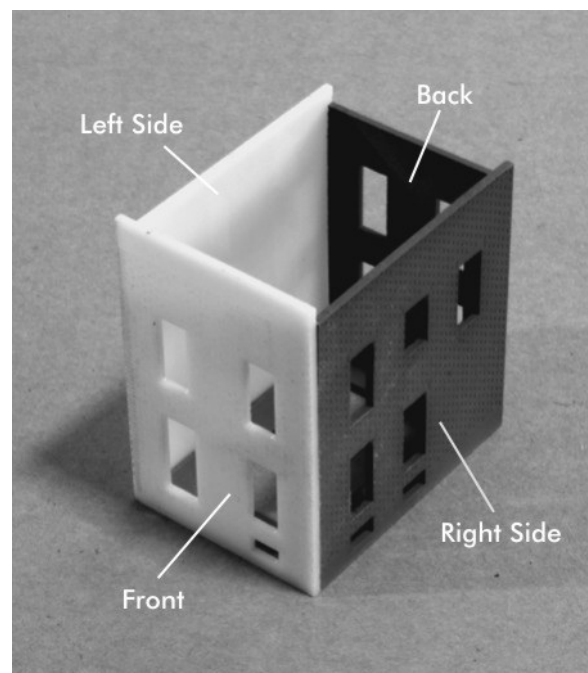


Figure 3

The cornice is assembled by gluing part (1-7) to part (1-6) with the sides and top flush. Apply the cornice assembly to the top front of the building. It should be placed flush with the top of the front wall, and centered so that there is 1/16" on either side. The corbels (1-8) are glued on either side of the cornice and flush with the edges of the building. See Figure 4.

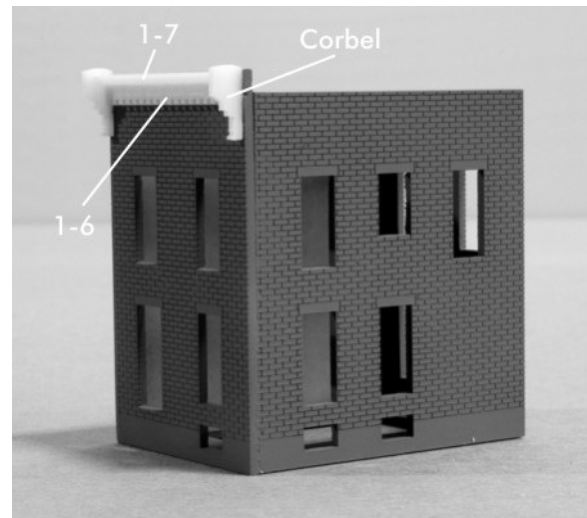


Figure 4

File tabs off the back of the sills (1-9) and glue in place in the bottom of all the window openings, excluding the basement windows. Do not attach to the door openings. Use Super Glue to attach the sills. If any sills are not flush on the back with the building, sand with a small file and clean off any dust. This will allow the window frames to be adhered flat with the adjoining surface later. See Figure 5.

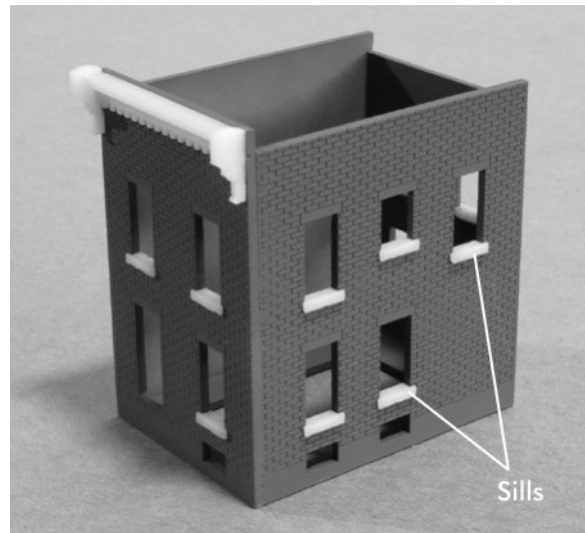


Figure 5

Prime building with Krylon Ruddy Brown spray primer. If you wish to light the interior, make sure to prime the inside to prevent the acrylic from glowing. Once the primer has dried, paint the cornice Polyscale Reefer White. Paint the sills, engraved lintels above each window, and below the brick on each wall Polyscale Concrete. Add a light tan wash to the surface of the brick to bring out the mortar lines. See Figure 6.

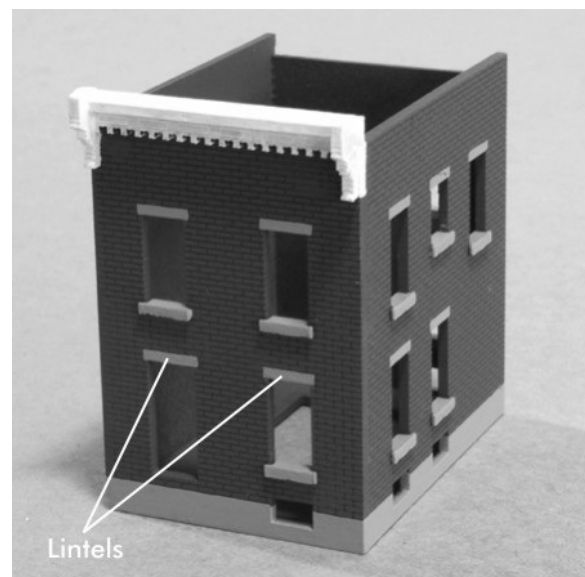


Figure 6

Windows

The window frames are made of styrene and have crack and peel adhesive on the back. Paint the front of the window frames your choice of color and set aside to dry. Be careful not to use too much paint on the sides of the window frames as you risk “gluing” the crack and peel paper to the styrene.

There are printed window shades included with your kit. These are designed to be laminated with acetate window glazing prior to installing in your model. Lightly spray glue the window shade page on the printed side with spray mount and apply a sheet of acetate by pressing in place. We used 3M Spray Mount part number 6065 which is available at craft and office supply stores. To attach the window frames to the glazing, crack and peel the paper off the back to expose double-sided adhesive. Carefully position and then firmly press in place. Note that this adhesive is not repositionable. After adhering the window glazing to the window frames, place the assembly on a cutting matt and trim out with a hobby knife. See Figure 7.

Window frame assemblies should be glued into the building behind the appropriate wall using super glue (CA). Note that solvent based liquid glue cannot be used to glue window frames in place as it will cause them to curl and detach. See Figure 8.

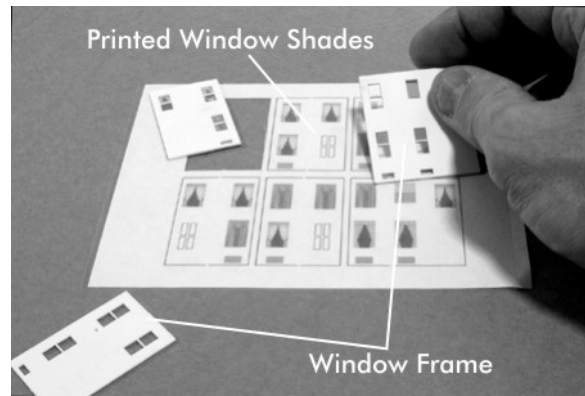


Figure 7

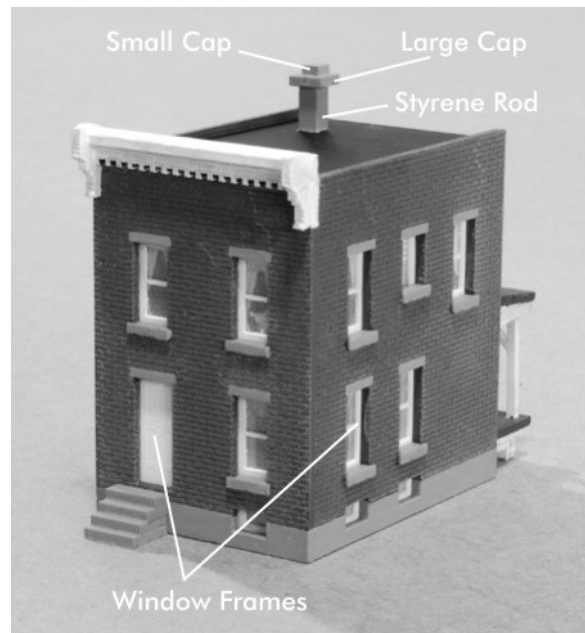


Figure 8

Final Assembly

Glue roof in place at slight downward angle from front to back. It should hang over the top of the back wall just a little. Paint the roof black along with all the walls facing roof.

Create the chimney by taking the 3/8" piece of styrene and gluing on the large chimney cap to one end. Glue the smaller chimney cap on top of the larger one using the engraved line for placement. Glue chimney to roof. See Figure 8.

Assemble the stairs by stacking the parts up and glueing together. The front stairs have four steps, and the back stairs have three steps. You may glue them directly to the building. You may wish to leave the steps off the back of the building so they may be used with the porch as described below. See Figure 8.

Back Porch

The porch roof is assembled by gluing parts (2-2) perpendicular to either side edge of (2-1). Glue part (2-3) to the top edges of parts (2-1). See Figure 9.

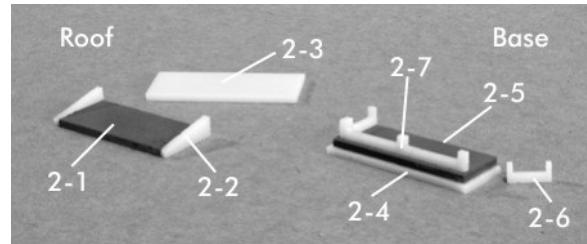


Figure 9

Construct the base next. Glue (2-4) on top of (2-5) making sure the engraving is facing out. Part (2-4) has the holes in the front. These parts should be flush on the back, and (2-4) will overhang on the front and sides. Flip assembly over and glue parts (2-7) and (2-6) x2 to the underside of (2-5) to form porch supports. These parts should be flush with the back and set back on the front and sides. See Figure 9.



Figure 10

To complete the porch, take part (2-8) and insert it into the holes on parts (2-4) to join the base and roof together. It is best to join these parts with their backs on a flat surface to keep everything at right angles. Glue three stair parts together. Affix stairs to the porch at desired location. See Figure 10.

Using super glue (CA), attach the porch centered to the back of the building. See Figure 11.

You may choose to put the porch on the front of the building for a different look. See Figure 12.

Your building is finished and ready to install on your layout. You may add lights and other details. We thank you for purchasing this kit from CMR and hope that you have enjoyed building it. Be sure to see our other kits at www.cmrrain.com.



Figure 11



Figure 12

