

Parts: extra pieces of shorter stock may be substituted

- 2 Porch Edging Stock 3/8"X 3/8" - 23 1/2"
- 1 Postbase Backer Stock 9/16"X 3/8" - 23 1/2"
- 1 Corner Postbase Backer 3/16"X 3/8" - 7 1/2"
- 5 Lattice Frame Stock 1/4"X 3/32" - 23 1/2"
- 48 Lattice Stock 1/8"X 3/32" - 23 1/2"
- 1 3/4" Postbase Stock 1/8"X 3/4" - 23 1/2"
- 1 Framing Square Stock 1/8^{MDF} X 1 1/4" - 15 7/8"
- 1 Lattice Spacer slots//45° 2 23/32" 9 5/16"
- 1 Press 3/8^{MDF} 3 7/32" 10

You will need:
 Painting supplies
 Tacky (white) glue
 Masking tape
 Miniature Miter Saw
 Sandpaper

This pack has enough material to build lattices for 24" of porch with a 2" foundation. Buy additional PL-77 Kits for larger projects.
Paint all parts before assembly.
 Use high quality latex enamel sanding between coats with 320 grit sandpaper.

Porch Edging: The Lattice Frames and Postbases need at least 1/2" porch floor overhang. Test the Porch Edge Material to be sure it gives you enough overhang. If not, purchase stripwood at your miniature store to make up the difference. Cut, paint, and attach Porch Edging. Cut the Side Edging(s) first, then the front edging(s).

Cut and assemble the Framing Square: Cut about 4" from the Framing Square Stock. Glue together the Framing Square as shown, joined at the factory-cut ends, and with the ends that you cut on the outside.

Cut the Postbase Backer Stock to fit under the Porch Floor. Leave a little clearance so the Postbase Backer does not quite touch the table. Install one Postbase Backer centered under each Porch Post. For an outside corner, cut and assemble a Corner Backer from one piece of Postbase Backer Stock and one piece of Corner Postbase Backer. Glue the 3/8" face.

Measure for the Lattice Frames 1/16" shorter side-to-side than the space between the Postbase Backers and 1/32" short up-and-down so the Lattice won't scrub the table.

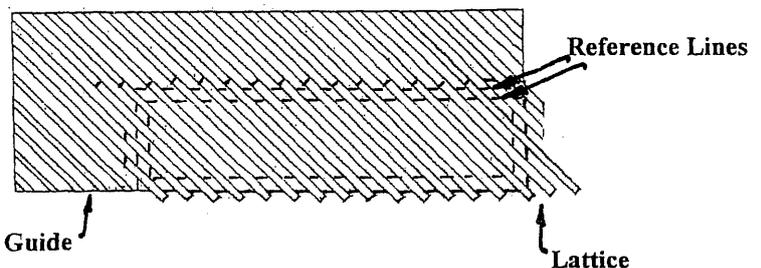
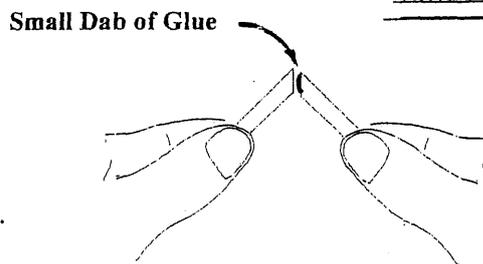
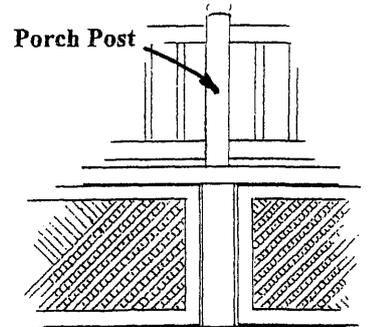
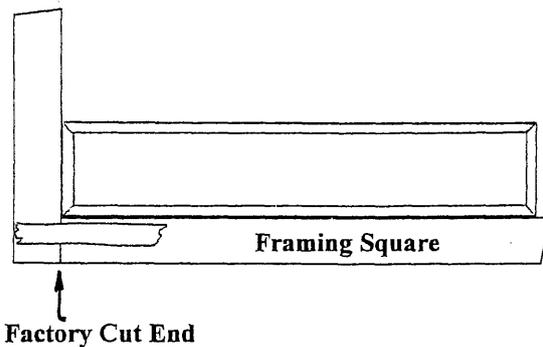
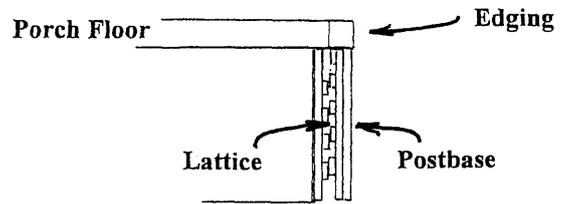
Cut the Lattice Frames with an accurate 45° guide such as an X-acto Miter Box. Tape together Frame sets to test in the spaces. Make **two** complete Frames (4 of each piece) for each space under the Porch

Assemble the Lattice Frames:

- Lay out one set of frame parts
- Put a small puddle of glue on a scrap of paper
- Dip both ends of one long frame into the glue getting a small dab of glue on each end
- Share the dabs with the other long frame. Now each long frame has a very skimpy amount of glue spread on both ends.
- Set up the frame in the framing square. Line up the corners carefully and press the frame gently together for a minute while the glue sets.
- Leave the frame in place, and remove the square without bumping the frame.

Repeat until all Frames are done – let the glue dry

Lay the largest Lattice Frame on the Guide, lined up on two edges. Draw reference lines around the outside and around the inside of the Lattice Frame.



Assemble the lattice sets (two for each space)

Lay lattice in the guide. The wider surface faces up/down; the lattice sticks out past the Guide/tracing the same on both ends. Cut smaller lattice for the corners.

Use one lattice piece as a “dab stick” to transfer glue from a puddle to the lattice in the guide. Hold each lattice steady and dab glue on the face of each lattice at the end, just past the inside reference line. Move quickly so the glue doesn’t dry too much.

Set a lattice frame onto the lattice, lined up with the Guide. Check to be sure that you have glue contact on both ends of each lattice. You can slide a lattice back-and-forth if it needs adjustment.

Set the Press on the Lattice Frame

Weight the Press (2 cans of soup are enough)

Wait until the glue is stiff but not dry to take the Lattice set out of the guide; leaving them in the Guide until the glue is dry risks gluing the Lattice to the Guide.

Repeat the above steps for all the Lattice sets of that size, then trace the next smaller size onto the Guide, and repeat the preceding steps until all of the lattice sets are done.

Lay each Lattice set onto a cutting board with the Frame up (after the glue has dried thoroughly).

Lay the Press on the Frame and, pressing down on the Press and using the Frame as a guide, cut off the lattice ends with a razor knife or fine-toothed miter saw. Cut with a light pressure, making many careful passes. If one Lattice end comes un-glued, stop and re-glue that end before you proceed.

Stand the Lattice Sets on edge on a flat sheet of sandpaper. Draw the Lattice across the sandpaper to remove the last irregularity. Any irregularity will push the Lattice below the foundation in the finished house, which will leave the Lattice vulnerable.

Glue together two Lattice Sets (of the same size)

using dabs of glue 1/8” from the Lattice ends, one with the frame facing down, and one with the frame facing up. Use the Press to make sure the pairs are lined up with each other. Carefully set the Press on the pair, and weight as the glue dries. Repeat for the other lattice pairs.

Glue the Lattice Pair to the Porch Foundation, centered (1/32”) between the Postbase Backers.

Cut and attach a 3/4” Postbase to each Postbase Backer.

Now you’re done. Congratulations

