



BL455 Bellingham Farm House Assembly Instructions

© 1998 Dura-Craft, Inc.

Building a doll house is fun! How long it takes you to build the Bellingham Farm House will depend on who you are and what a "finished" doll house means to you. If you are simply looking for an unpainted structure that your little girl can enjoy, this kit will go together fast. However, if you want a show piece with paint, wallpaper, electric lights, etc., that will lengthen the assembly process. Some of you will blast through this project in short order, but the rest of us will enjoy dawdling along and admiring our work as we go.

Save the box. The picture will be a good reference for what your kit should look like. You will note, though, that some small adjustments have been made since the box photo was taken. These are the result of improvements made after the prototype models were constructed. We will try to keep you informed of any changes as we go along.

Don't get ahead. The order of events is important.

Release the parts gently. Parts in the 1/8 inch plywood boards must be removed by exerting gentle pressure. A few will require that you cut them loose with your knife. Cut from the front side of the board (the side with the most visible cut marks) and please be careful.

Glue. Everyone has a favorite kind of glue. Most glues work fine if they are recommended for woodworking or porous materials. We recommend a yellow woodworking glue on the main structure of the house and a "tacky" craft glue on the trim pieces.

Dry fit each piece before gluing. This will ensure that you have the right piece for the right place and that you will make sensible judgments about where to put the glue.

Replacement parts. Dura-Craft, Inc. has gone to great lengths to grade and sort pieces for quality and workmanship. We think you will be pleased. However, if you discover a faulty, missing, or damaged part, Dura-Craft, Inc. will quickly replace it, even if the damage is caused by improper assembly. We have included a "Missing and Broken Parts Replacement Form" to assist you.

Drawings. The progressive construction pictures in this instruction booklet are *not* photographs. They are 3D drawings constructed piece by piece on a computer. As a matter of convenience, some of the detail has been deliberately left out of the drawings. This won't be a problem if you keep in mind that the drawings are designed to give you the "big picture" and should not be subjected to undo analysis. We are of the opinion that you can keep track of little things like making sure that the siding is on the *outside* of the house.

Painting. You should keep in mind that these instructions are designed to help you construct the basic house kit. If it is your intention to paint, wallpaper, etc., you will need to make your own reasonable judgments about when these procedures will best be performed. Remember that we don't know whether you are going to use electrical wiring under your wallpaper (for example), or what kind of wiring procedure you intend to use.

However, as a general rule, if you are not electrifying your doll house, it is much easier to paint and/or wallpaper as you go along. Because glue holds best when paint is not involved, we have found it best to build the basic shell of the house before starting to paint.

Best results can be obtained by using a good sealer before applying paint. Latex paint is preferred.

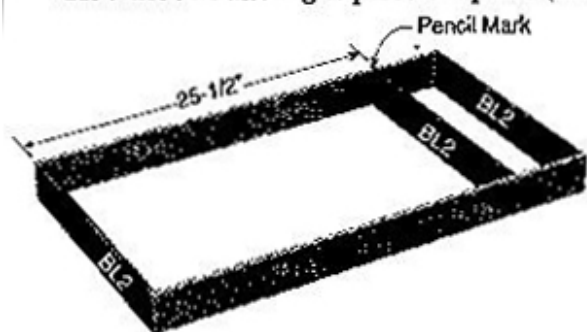
OK, let's get started!

IMPORTANT! First, familiarize yourself with the 3 pages of parts at the end of these instructions. If you know how to identify parts before you begin, you will save a lot of time and this will be a much more pleasant building experience.

Foundation.

1. Locate the seven Foundation pieces - BL1(4) and BL2(3). First, glue the 2-Front Foundation pieces (BL1) together to form one long piece. Then repeat with the two Back Foundation pieces (BL1). Glue the foundation together as shown. The Left, Right, and Interior Foundation pieces fit *between* the front and back pieces. Overall width should be 30-3/4 inches.

Glue the left and right pieces in place (BL2).



Measure the back foundation from the back left corner and put a pencil mark at 25-1/2 inches. Next, measure the front foundation from the front left corner and put another mark at 25-1/2 inches. The Interior Foundation piece must be *centered* on these marks. This means that the left edge of the Interior piece will be 25-5/16" from the left (outside) edge of the left piece.

TIP: A good carpenter rarely relies on gravity or friction to produce a suitable bond between pieces. To force a tight fit while glue dries, use clamps, tape, or brads. Because it is quick and easy, we prefer masking tape. Wipe away excess glue while it is still wet.

2. Use a carpenter's square (preferred) or a sheet of typing paper (hokey, but cheap and effective) to make sure that the foundation is square. Perfection is not required because the next step will remove any slight error.

TIP: This entire building can be put together in a hurry if you use glue and tape strategically, allowing the tape to do the work until the glue dries. However, if you are in less of a hurry, there are some advantages to allowing the glue to dry before proceeding to the next step (except where indicated otherwise.) we recommend the "let it dry method" unless you have a deadline that cannot be extended.

First Floor

1. Locate the three pieces of the first floor -- First Floor (BL3), Right Wing Floor (BL4) & Front Wing Floor (BL5). These pieces are made of MDF (medium density fiberboard) which is the same on both sides. Consequently you don't have to worry about which side is up if the piece is rectangular or symmetrical. Later, we will have some pieces that are asymmetrical and we will be sure to let you know which side is which.

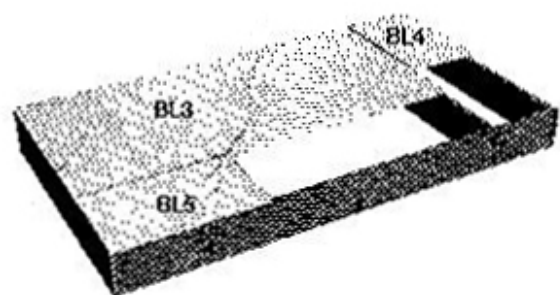
TIP: Some pieces may look a lot like other pieces. It

is a good idea to measure each piece and compare it to the parts list in order that you not glue the wrong piece in the right spot.

2. Edge glue the Front Wing Floor (BL5) and Right Wing Floor (BL4) to the edge of the First Floor (BL3) as shown. Tape or clamp the pieces together until glue is dry. Keep this assembly flat while drying.

3. While you are at it, you might as well repeat the above procedure for the Second Floor (BL6) and Attic Floor (BL7) so they will be dry when you need them. Be sure that the stairwell hole in the Second Floor is 9-3/4 inches from the left and 2-1/2 inches from the front when viewed from the top, front. See measurements on parts list.

4. Glue the first floor assembly to the top edge of the foundation. Outside edges of the floor will be flush to the outside edges of the foundation except in the open area at the right front corner.



Foundation Brick

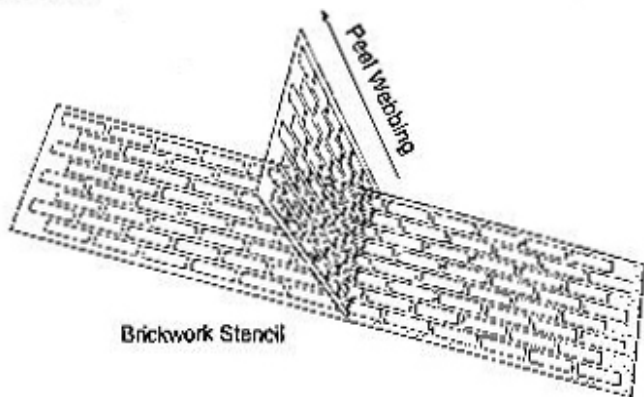
Notice: Foundation brick is optional, but it adds wonderful detail to your doll house. If you are impatient to get the doll house completed, you may proceed to the next section and add the brick after the doll house is otherwise finished. However, we feel it is wisest to do it now while the foundation is easily maneuvered.

1. Measure the front foundation from the left corner. Put a mark on the foundation wall at 11" from the corner and another mark at 18" from the corner. These will mark the position of the front steps where it will be best if you do not have any foundation brick. Mask right and left edges of this area with masking tape.

2. Before applying the brick pattern, take a moment to consider what color your mortar lines will be. Se . . . intermediate shade of gray is most natural. Pa . . . foundation walls, but first mask off the

edges of the first floor so you do not get any paint or brick powder there. The reason we had you put the first floor on before bricking the foundation is because it adds a great deal of stability.

3. Peel the webbing from the Brick Tape (7-1) as shown.



4. Stick the stencil to the foundation wall leaving enough overhang at the corner to hold onto for removal. Press firmly for full contact - otherwise, you may have brick material seeping under the template into the mortar area. We suggest doing only one side at a time.

5. To cover one foot of brick template tape it takes one ounce or 1-1/4 tablespoons of brick powder. Put about 3 tablespoons of tacky glue (or other white glue) into a cup, add an equal amount of water to the glue. Mix well. Put the appropriate amount of brick powder for the length of surface you are going to brick into a different cup. Slowly add small amounts of glue mixture to the brick powder (It is easy to add too much glue mixture, so proceed with caution). Mix after each addition. Continue until mixture starts to hold its own shape like cake frosting.

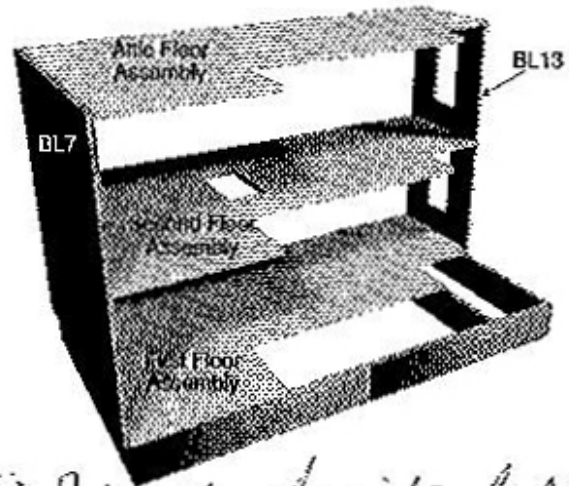
6. Spread brick mix over the webbing with a putty knife to about 1/16" thick. If you would like to paint the brick to change its color or to give it an aged look with watered down paint, then paint the brick now before the webbing is removed.

7. Remove webbing within 5 minutes. Stick the overhanging webbing to a piece of scrap wood and pull as you did when taking the webbing off of the backing. The wood handle will help pull the webbing off evenly.

8. If needed, touch up the bricks with a small piece of wood while the bricks are still soft. Wait for bricks

to dry on one surface before proceeding to the next. Walls & Floors

1. Find the Left Side Wall (BL7) and Right Wall - Right Wing (BL13). Glue the second floor assembly into the dados (grooves) that run through the middle of the two walls. The back edge of the second floor should be flush with the back edge of the two walls (The front edge will not be flush. This is correct, so don't try to figure out a way to get both back and front flush. It can't be done.) See the illustration for proper orientation of parts. Use tape to secure the assembly.



Note: Drill stair riser holes before adding the siding.
Important Notice: Please take a minute to study the direction of the siding on the outside of the walls. *floor*
 Up-side-down siding looks pretty silly.



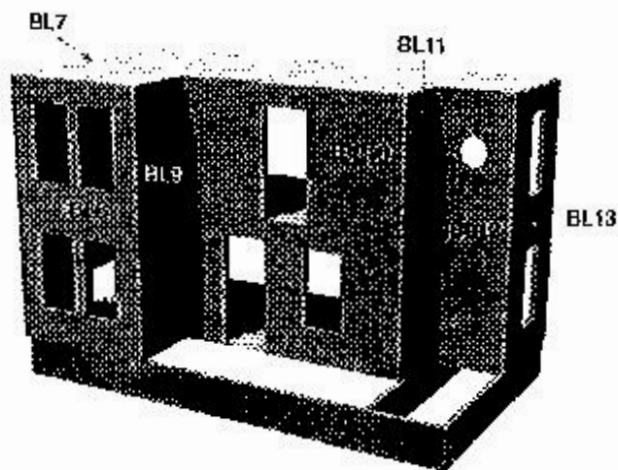
2. While the glue is still wet, glue the assembly to the first floor (flush at the back) and secure it in position.

The notches at the bottom of the walls fit onto the floor in such a manner that the bottom of the wall covers the edge of the floor.

3. Glue the attic floor into the rabbets (edge grooves) at the upper edges of the two walls.

4. Again, while the glue is still wet, locate and position the following walls *in the following order*:

- Front Wing Wall (BL8)
- Front Wall (BL10)
- Front Wall - Right Wing (BL12)
- Right Wall - Front Wing (BL9)
- Right Wall (BL11)



5. Locate the Door Threshold piece (BL42). This piece will be glued horizontally in the doorway, against the front edge of the first floor. It will fill the gap between the floor and the porch floor (which will be installed later).

6. Now is the time to make sure everything is properly oriented, that the walls are vertical, that the floors are flush to the back of the walls, and that everything is square and properly secured. If the glue dries while anything is out of position, difficulties will follow.

NOTICE: Take one last look to make sure that the siding is right side up on all seven walls.

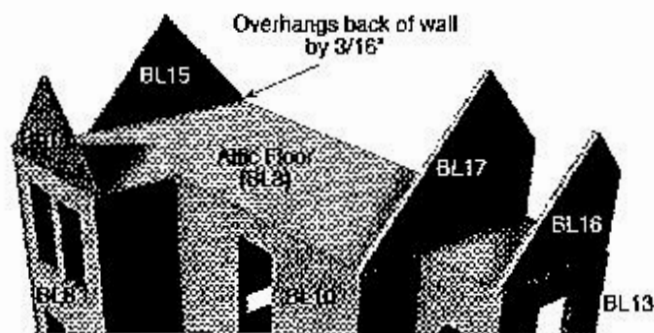
7. Locate the Front Wing Gable (BL14) and glue it to the top of the Front Wing Wall (BL8). The tips of the gable will hang over the edges of the wall slightly. This is correct. Make sure that the gable is centered on the wall.

Tip: While gluing gables, ensure that they are exactly vertical and that they are secured in such a manner that they remain vertical while the glue dries.

8. Locate the Left Wall Gable (BL15) and glue it on top of the Left Wall (BL7) with *the back tip hanging off the back edge of the wall by 3/16 inch*.

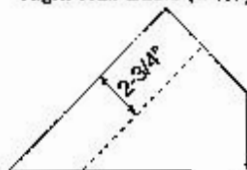
IMPORTANT: If you fail to leave the overhang on the gable, roof pieces will not line up properly and

this project will get very discouraging, very soon. Nobody wants that.



9. Locate the Right Wing Gable (BL16) and glue it to the top of the Right Wall - Right Wing (BL13). The back edge of the gable is *flush* with the back edge of the wall. The front edge will hang over 3/16 inch. It is easy to get this piece on incorrectly, so make sure that the bottom edge is 8-7/16\".

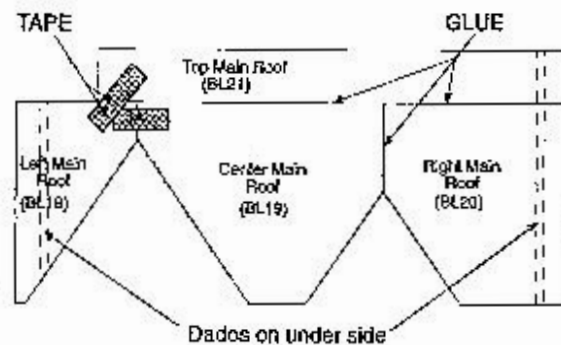
Right Wall Gable (BL17)



10. Find the Right Wall Gable (BL17). Before gluing it to the top of the right wall, make a pencil line as indicated by the dotted line on the drawing. This line separates the exterior of the house from the interior and will allow you to paint and/or wallpaper before positioning the roof.

The back edge of the gable is flush with the back edge of the attic floor, and the front edge of the gable will hang over the front edge of the wall by 3/16 inch. The bottom edge of this piece measures 12-3/16 inches.

D. Roof Pieces

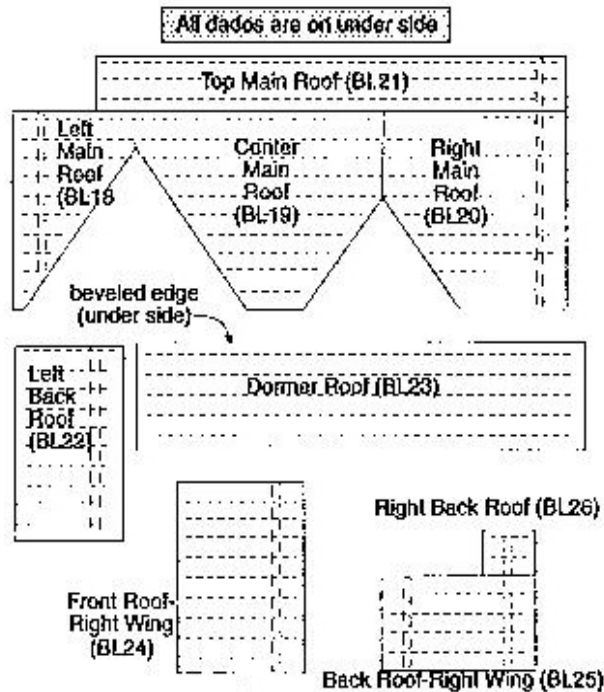


1. First, find the 4 pieces of the Main Roof (BL18-21). Edge glue the Center Main Roof (BL19), Right Main Roof (BL20) and Top Main Roof (BL21) together and let dry. Make sure that the dados (grooves)

line up on the under side of the pieces.

Tape (do not glue) the Left Main Roof (BL18) into position.

2. Edge glue the small Right Back Roof (BL26) to the top right of the Back Roof-Right Wing (BL25) as shown in the diagram below. Dados are lined up on the under side.

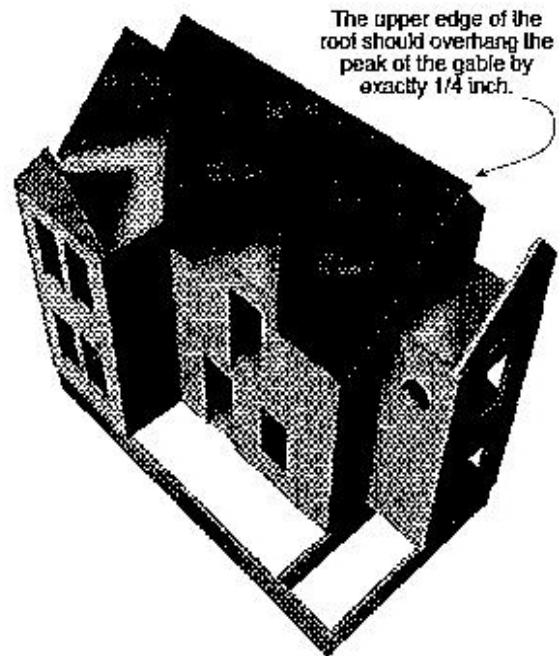


3. You will need to mark all roof pieces with pencil lines so you will be able to properly position the shingles when you have your house completed. Start at the bottom edge of each roof piece and measure up $7/8$ inch at both the right and left edges. Using a straight edge, mark a horizontal pencil line all the way across the piece. Then repeat the process every $7/8$ inch until you reach the top of the piece.

The illustration above shows which pieces to find and the proper orientation for each roof piece.

4. Glue the main roof assembly to the left wall gable and right wall gable. The upper edge of the roof should overhang the peak of the gable by exactly $1/4$ inch.

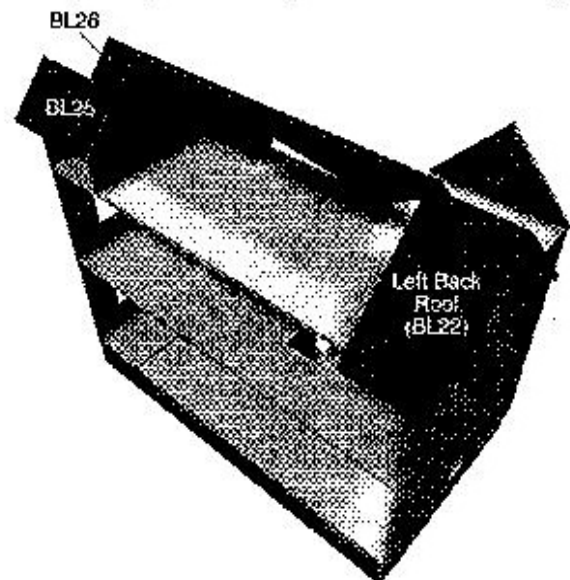
Tip: The reason that we didn't have you glue the Left Main Roof (BL18) into the main roof assembly is because any small differences in the way people install the gables might



cause the dados on the underside of the roof to fit badly or not at all. Having the Left Main Roof unattached allows you to get a good fit on both dados. If you need to have a small gap between the Left Main Roof and the main roof assembly, it is not a problem because it will be covered in later steps.

Glue the Left Main Roof (BL18) to the Top Main Roof (BL21) now if you haven't already done so.

5. While the glue is still wet, glue on the Left Back Roof (BL22) and the right back roof assembly.



Where the right back roof assembly fits the Right Wall Gable, it will fit against the under side of the main roof assembly. Where it fits the Right Wing

Gable, it will overhang the peak of the gable by exactly 1/4 inch.

Tip: "Right" and "Left" are always as viewed from the front of the house. It is easy to get confused while looking at the back of the house. Sometimes it helps to put "right" and "left" sticky notes on the back of the house to keep yourself properly oriented.

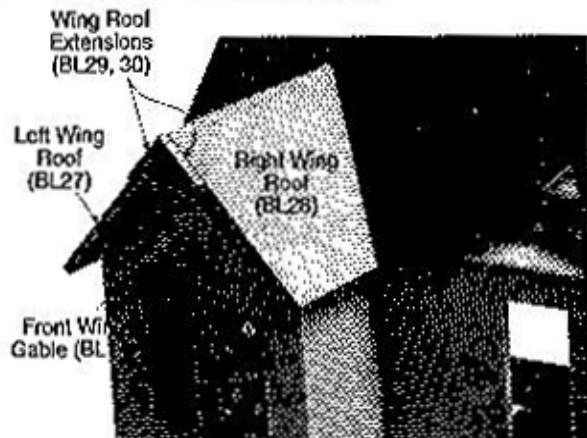


6. Again, while the glue is still wet, position the Front Roof - Right Wing (BL24).

7. Now make sure that all parts and pieces are properly aligned, seated correctly, square, and snugly taped or clamped into position. Wait for glue to dry before proceeding.

Reminder: The box photos or the photos at the beginning and end of these instructions can be very helpful. Don't forget to refer to them whenever you are uncertain.

8. When the glue has dried, find the Left Wing Roof (BL27) and the Right Wing Roof (BL28) and glue them into position on the Front Wing Gable (BL14) using the dado grooves as you have done before. The Right Wing Roof glues to the under side of the Left Wing Roof, and the back edge of both pieces glue against the main roof.

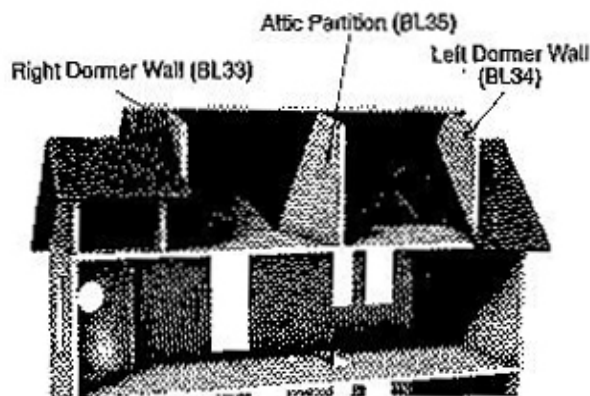


Locate the Wing Roof Extensions (BL29, 30) and edge glue them to the front edges of the wing roof pieces. These form the small forward projection at the peak of the wing roof. The longer of the two pieces glues to the left. The shorter piece butts up against the underside of the longer piece.

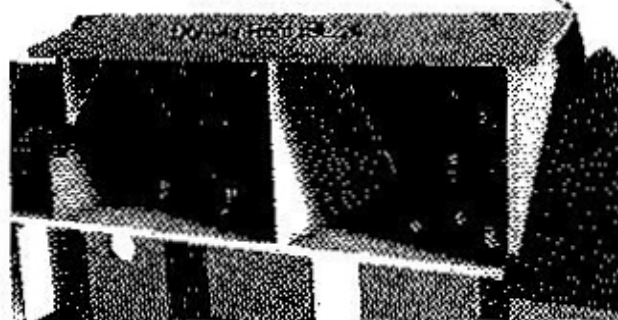
9. Find the Front Wall Gable (BL31) and glue it into position on top of the front wall above the second story doorway. This gable should be centered exactly in the "V" notch in the main roof.

10. Locate and glue the Small Gable Roofs (BL32a & BL32b). The technique here is the same as you used for the wing roofs that you just positioned in step 8 above.

11. Find the Dormer Roof (BL23), the Right and Left Dormer Walls (BL33 & BL34), and the Attic Partition (BL35). Install the Left Dormer Wall (remember that right and left are as viewed from the front of the house) flush with the inside edge of the back roof and against the underside of the main roof. This wall has the 6-3/4" edge toward the back of the house.



Flush with Top Main Roof at this end



Glue the Attic Partition (BL35) to the attic floor and the under side of the main roof. See the illustration for proper positioning. The back edge of the partition should be flush with the back edge of the

floor and the 12" edge should be glued to the floor. Make sure that the partition is vertical.

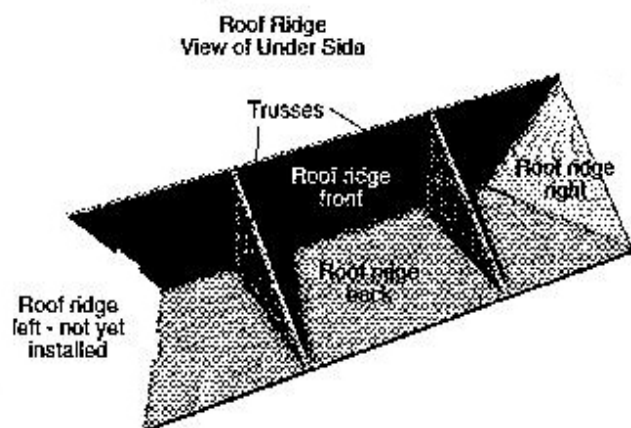
Glue the Right Dormer Wall (BL33) flush with the inside edge of the other back roof. The upper corner of this wall should be approximately 1/2 inch from the peak of the roof.

While the glue is still wet, glue the Dormer Roof in position. The top, front (beveled) edge of the Dormer Roof should fit along the peak of the main roof (bevel down). The Dormer Roof should be flush to the edge of the Top Main Roof at the left edge (as viewed from the front).

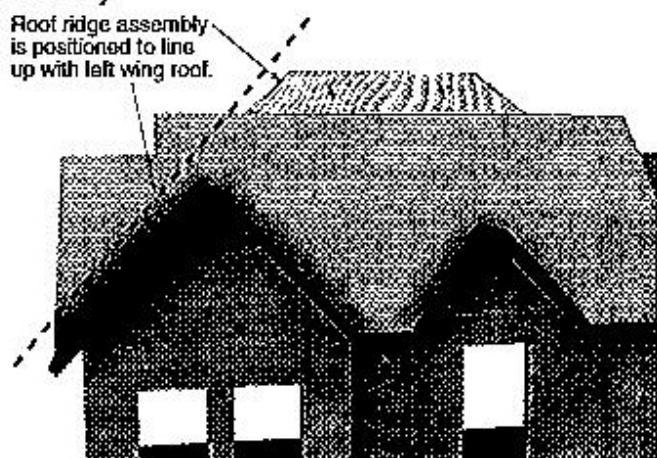
Slide the Right Dormer Wall (BL33) up or down as necessary to achieve a good fit.

Roof Extension

1. Locate the six Roof Ridge pieces on sheet BLG of the 1/8" plywood. Glue the Trusses to the underside of the Roof Ridge Front and Back Pieces. The slots and tabs will help. See illustration below.

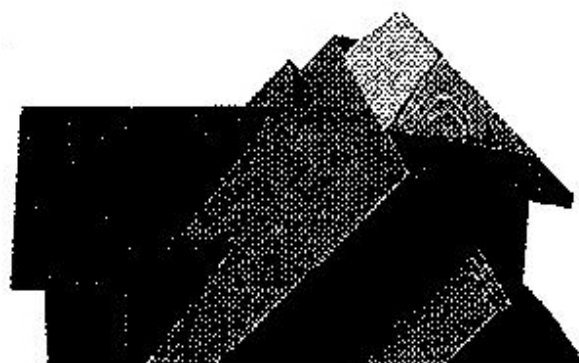


2. Glue the Roof Ridge Ends (right & left) to the assembly.



3. Glue the assembly to the dormer roof in such a fashion that the front edge of the ridge assembly makes a smooth continuation of the main roof. The

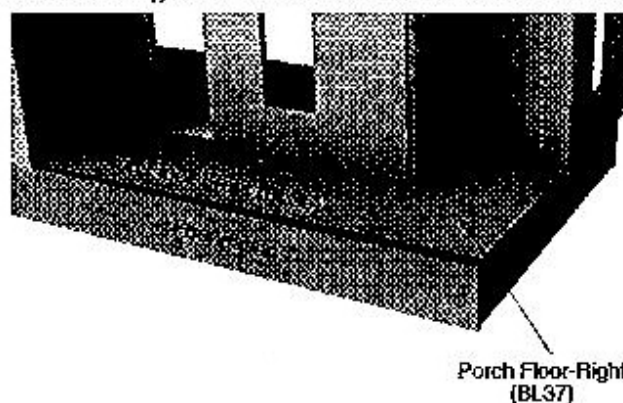
left edge of the assembly should be positioned in a manner that continues the line of the Left Wing Roof as viewed from the front.



Tip: This completes the primary structure or "shell" of the house. If you intend to paint and haven't already begun, now is a good time to start painting before we begin adding things that you will have to paint around.

Porch Floor

1. Glue the Porch Floor -Front (BL36) to the foundation. It will fit snugly into the corner formed by the front wall and Right Wall-Front Wing. The floor should hang over the foundation a little at the front.

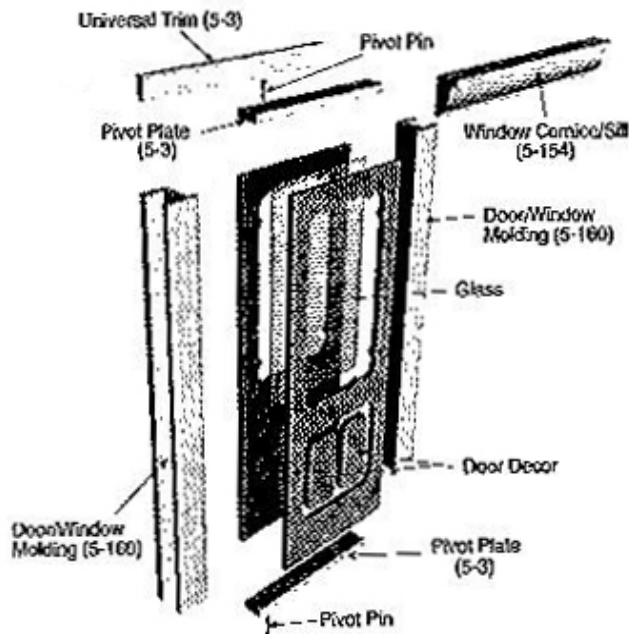


You may need to trim away corner trim in order to get a good fit. Glue the Porch Floor-Right (BL37) to the foundation and against the Porch Floor-Front.

Front Door

1. Follow the diagram to construct the front door assembly. Painting will be easiest if accomplished before assembly.
 - a. Assemble door front, back, glass & decor.
 - b. Create two pivot plates by cutting a 3" piece of universal molding (5-3) for the top plate and a 2-3/4" piece for the bottom plate. If you have access

to a very tiny drill bit, drill before inserting the Pivot Pins. Otherwise, gently push or tap the pins through the Pivot Plates approximately $5/16$ " from the left end of the top plate and $3/16$ " from the left end of the bottom plate. (If you would prefer that the door always remain shut, forget the Pivot Pins altogether. When the time comes, just glue the door in position.)

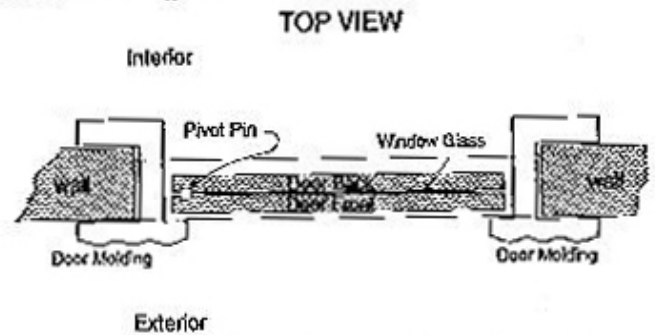


c. Push the pivot pins into the door top and bottom at about $1/8$ " from the left edge of the door. The pins will insert between the door back and front panels. Make sure to insert the pins *straight* into the door.

d. Cut two $6-7/8$ " pieces of Door/Window Molding (5-160). Dry fit these into the sides of the door opening. They should be $1/8$ " short at the top. Cut a small piece of scrap Universal Trim (5-3) and slip it into the space at the top of each molding to make sure that it fits loosely. If it fits too tightly, sand the top end of the moldings slightly until the universal trim slips into position easily. Throw away the scrap universal trim – it was just for measurement and will not be used again. Glue the two door molding pieces into position. Make sure that they are fully seated against the sides of the door opening and that the decorative side of the molding is on the outside.

e. Working from the back of the house, glue the door between the two door moldings. Glue only the pivot plates. The bottom pivot plate will fit between the moldings at the bottom, and the top pivot plate will fit *above* the moldings at the top. The front edge of the bottom pivot plate should fit against the lip of

the door moldings. The front and back edges of the top pivot plate should be flush with the front and back sides of the wall. While the glue is still wet, view the door from the front of the house to ensure that it is straight.



f. Cut and glue a piece of Universal Trim (5-3) at the top of the door on the inside to form the inside top door molding. This piece will rest against the top ends of the side door moldings.

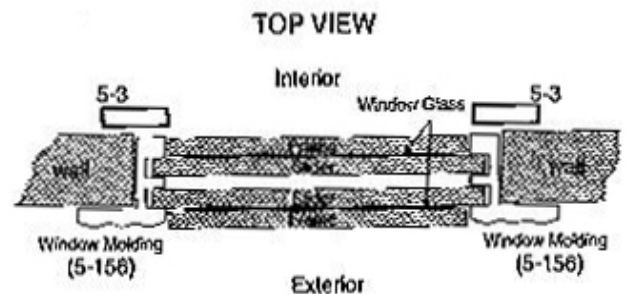
g. Cut and glue a piece of Cornice/Sill molding (5-154) to form the exterior top door molding. This piece can be mitered at the ends if desired (see box photo).

h. Position the door knob (6-17).

4. Using the same technique, you may install the second story door now, too.

Double Hung Windows

1. Follow the diagrams to construct the double hung windows. Painting will be easiest if done before assembly.



a. Start with a piece of universal trim 5-3 (not shown in illustrations) inside the window hole to cover the rough edges at the *top* and *bottom* of the window. Side edges will be covered by the Moving Window Molding (5-156).

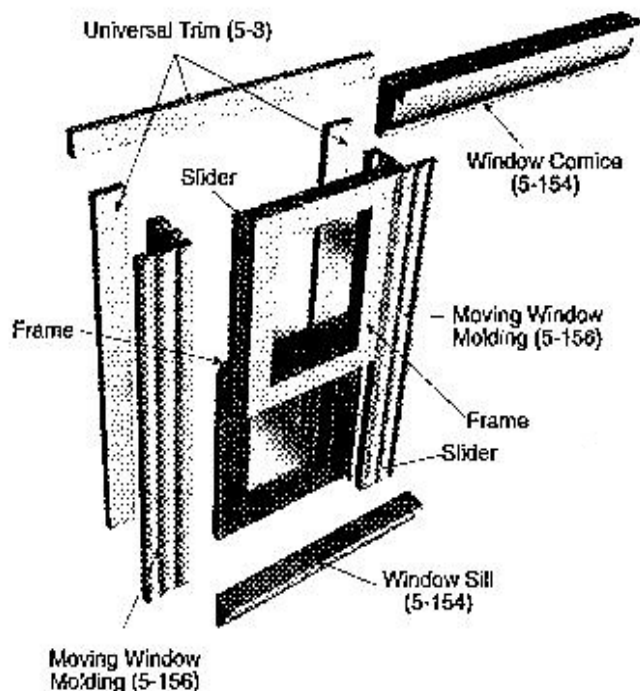
b. Punch the centers out of a rectangular Slider and Frame ($1/8$ " plywood). Lay the Slider best side down. Run a thin bead of glue around the opening in the Slider (on the flat surface outside the hole, not on the inside edge of the hole). Place a piece of glass on the slider (see box photo to determine wt

window glass goes where).

c. Run a bead of glue around the worst side of the frame and center it on top of the glass and slider.

d. Repeat this process for the other Slide/Frame/Glass group. Notice that the glass in the bottom group is not the same as in the top (see box photo).

e. Cut two 4-3/4" pieces of Moving Window Molding (5-156). Glue one (only one) into the side of the window hole with the decorative molding side facing out. Run a bead of glue on the other side of the window hole in preparation for gluing the other molding in place, but don't position it yet! First put the sliders of the two windows into the grooves of both moldings (see illustrations), and then swing the entire assembly into position. Hold or tape until the glue takes hold.



f. Cut and glue pieces of universal trim (5-3) to surround the window on the inside. Start with the two side pieces and then place the top and bottom pieces. Note: to avoid clutter, the bottom piece is not shown in the exploded view illustration.

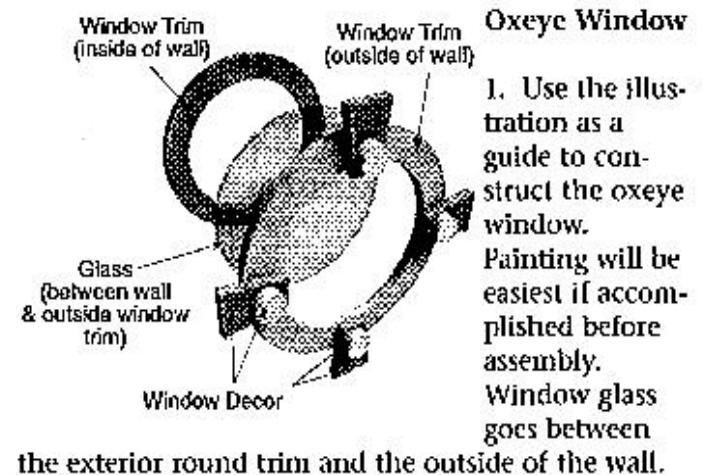
g. Cut and glue the Window Cornice (5-154) on the outside. This piece can be mitered at the ends if desired (see box photo).

h. Cut and glue the Window Sill (5-154).

2. There are seven of these windows. Do them all now. You will notice that the four windows in the front wing are different in your model than in the box photo. This is because the box photo was made with an early prototype and improvements in design

have occurred since. In your model, some of the siding will show between the window pairs. This is a good thing.

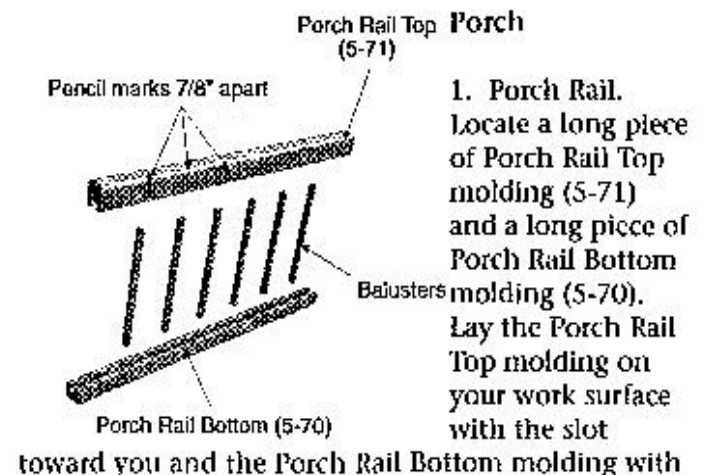
Note: We are of the opinion that it makes little sense for the top window in a double hung doll house window to be movable. It tends to drop down when it shouldn't, and there is very little reason for it to move anyway. We designed it to move so that you would have the option, but there may be some value to gluing it in place and letting the bottom window do the moving. Your choice.



Corner Trim Pieces

1. Locate some corner trim molding (5-8) and some Universal Trim (5-3). Cut two 8" pieces of Corner Trim molding (5-8) to cover each of 2 exterior corners – the front right corner of the front wing, and the front right corner of the front wall.

Cut two 8" pieces of Universal Trim (5-3) to stand vertically in the inside corners of the porch area. Later, these four pieces of molding will help to support the balcony floor.



the slot away from you. Beginning from the left edge, put a small pencil mark every $7/8$ " across both pieces.

Locate the $1/8$ " x 2" Baluster dowels (6-2) and glue them into the slots at the pencil marks. See illustration. Be sure that the dowels are parallel, the top & bottom rails are parallel, and everything is square. This will provide adequate balustrade to make the porch rail.

2. Repeat this procedure, but this time cut the Baluster dowels in half to make 1" pieces. This will be used for the decorative spandrel header above the porch.

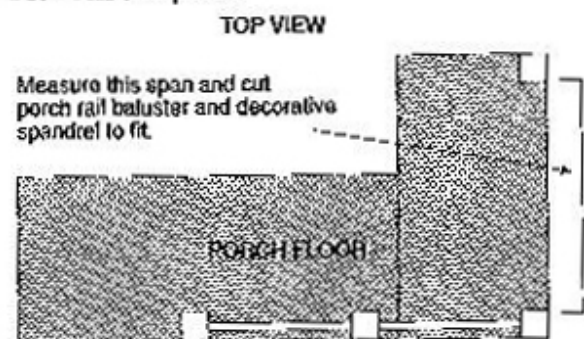
3. Cut three 8" posts from the Porch Post Molding (5-6). Cut six $3\text{-}1/4$ " posts, too. Chamfer (bevel) the upper edges of the short posts by sanding (see illustration below). Set 4 of the short posts aside to be used with the balcony rail later.

4. Using the illustration as a guide, lay out two long posts on your work surface. Cut a 6" piece of porch rail balustrade and an equal length of decorative spandrel. Glue these between the two long posts with the bottom of the porch rail $1/4$ " up from the bottom of the posts and the top of the spandrel flush with the top of the posts. Notice that the porch rail top molding (5-71) is up on the porch rail and down on the spandrel.

5. Using the technique in paragraph 1 above, create

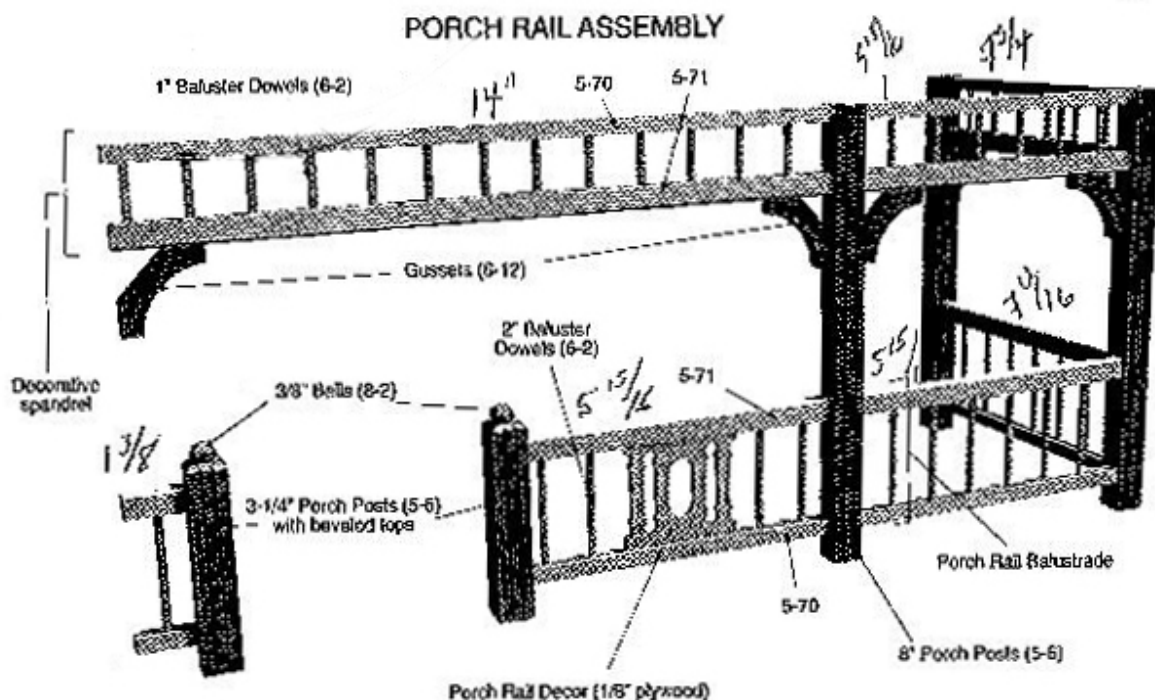
a piece of porch rail balustrade 6 inches long, but this time use the Porch Rail Decor ($1/8$ " plywood) in place of the center baluster dowels. See illustration. Glue the balustrade between the long post and a short post as shown. As always, glue this piece of balustrade $1/4$ " above the bottom of the posts.

6. Without glue, stand this assembly on the porch floor with the rightmost post setting in the right front corner of the porch floor. Again without glue, stand the third 8" post against the Front Wall-Right Wing and against the outside edge of the porch. See diagram. Measure the span between the two posts at the right edge of the porch (It should be approximately $7\text{-}7/8$ "). Cut porch rail baluster and decorative spandrel to fit. Glue them into position between the posts.



Tip: We are about to install this porch rail assembly on the house. Painting will be easier if you do it before installation.

7. Cut a $14\text{-}1/8$ " piece of decorative spandrel and

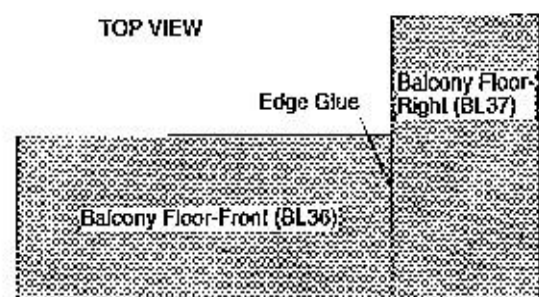


glue it to the left most long post, flush with the top of the post. Dry fit before gluing, though - if it is a touch long, sand or cut to size.

8. Glue this entire assembly to the porch floor with the front edge of the porch posts flush to the edge of the porch floor. Try to get the posts vertical and the spandrel level. Glue the left end of the spandrel to the wall.

9. Cut a 1-3/8" piece of porch rail balustrade and glue it between the corner molding on the front wing wall and the other short post as shown in the Porch Rail Assembly illustration.

10. Edge glue the Balcony Floor-Right (BL37) to the Balcony Floor-Front (BL36) as shown.



Cut two 8" pieces of universal trim (5-3) and glue them vertically into the two inside corners of the porch area. The bottom of the trim pieces should rest on the porch floor. It doesn't matter much whether this trim is facing broad side to the front or to the right.

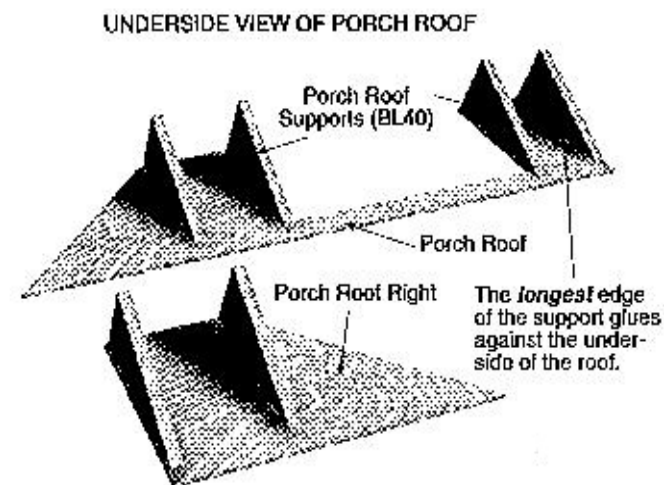
Glue the balcony floor assembly on top of the porch posts and trim pieces.

Porch Roof and Balcony

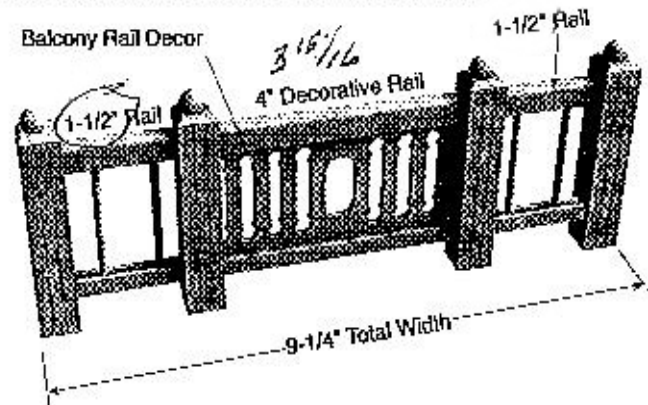
1. Locate the Porch Roof and Porch Roof-Right (1/8" plywood). Also find the 6 Porch Roof Supports BL-40 (MDF). Glue the supports to the under side of the roof pieces as shown. When the glue is dry, turn them over and dry fit them to the balcony floor. The angled edges of the two roof pieces should meet at the corner of the house. If the corner trim pieces interfere with a proper fit, carefully mark them with a pencil and then trim away the offending areas. When you are satisfied with the fit, add glue.

IMPORTANT: The *longest* side of the Porch Roof Support (BL40) triangle glues to the underside of the Porch Roof pieces. It is easy to get this wrong, so

take care.



2. Using the 4 posts that you cut earlier, and the techniques that you have already learned, create the balcony rail to fit in the cut out of the porch roof. Use the 1/8" plywood Balcony Rail Decor to add interest to the rail. See box photo and illustration.



a. Start with the eight pieces of Balcony Rail Decor and 4" pieces of Porch Rail Top (5-71) and Porch Rail Bottom (5-70) molding. Glue the decor pieces into the grooves in the rail pieces to form the 4" Decorative Rail shown in the illustration.

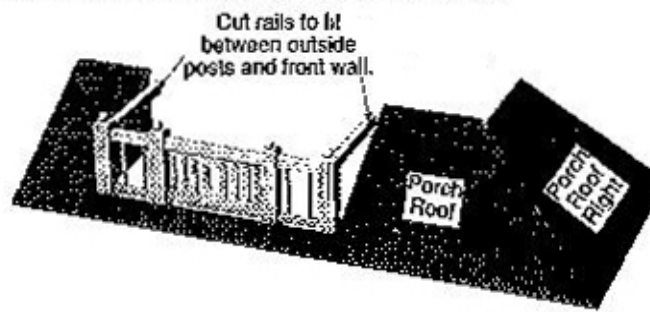
b. Glue a post to each end of the rail. The bottom of the rail should be 1/4" above the bottom of the posts.

c. Cut two 1-1/2" pieces of porch rail balustrade. Dry fit them between posts as shown. Total width of the assembly should be approximately 9-1/4". The width should not exceed 9-5/16". If it does, sand or cut the 1-1/2" rail pieces before gluing.

d. Glue the bottom end of all four posts to the balcony floor at the front edge of the porch roof cut out area.

e. Cut pieces of Porch Rail Top (5-71) to fit

between the back of the two outside posts and the front wall of the house. See illustration.

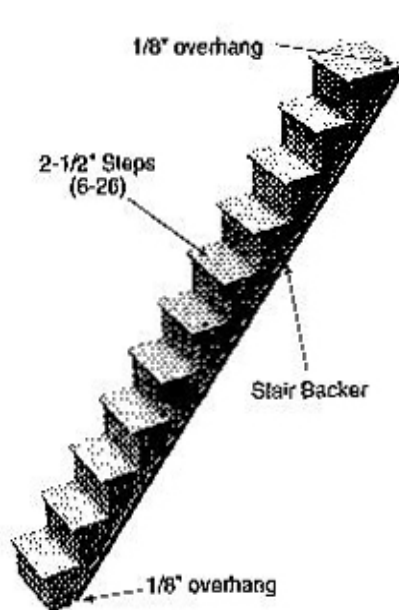


Corner Trim Pieces

1. Locate some corner trim molding (5-8). Cut pieces to cover all of the exterior corners including the two back corners. Cut Universal Trim (5-3) to cover the interior corners above the porch roof. Paint before gluing.

Room Partitions

1. Locate the two First Floor Partitions (BL38) and the two Second Floor Partitions (BL39). Use the box photo as a guide for placement. The partitions that go next to the stairwell should be flush with the edge of the stairwell. Take some time to ensure that the partitions are plumb.



Inside Stairs

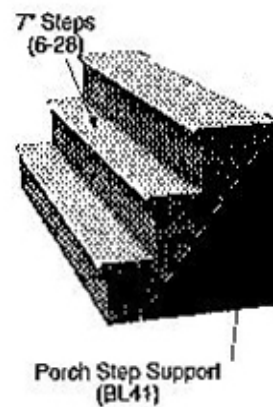
1. Locate the Stairs (6-26) and the Stair Backer (1/8" plywood). Using the illustration as a guide, begin at the bottom end of the Stair Backer and glue each stair in position until you reach the top. Notice that the first step and last step are approximately 1/8" off the ends of the backer.

This makes it possible for these two steps to fit flush against the first floor and second floor without the backer interfering.

2. When the glue from step one is dry, glue the

stairway in place with the top step inside the stairwell hole and flush with the top of the second floor. See box photo for positioning. Paint before gluing.

3. Cover the interior edges of the stairwell hole with universal trim (5-3).



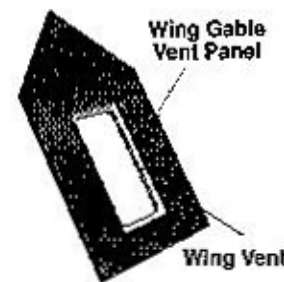
Porch Steps

1. Locate the 3 Porch Steps (6-28) and the Porch Step Supports BL41 (MDF). Glue this assembly as shown, and then glue it to the foundation in front of the front door. See box photo.

Attic Vents

1. In the 1/8" plywood boards, locate the Wing Vent pieces (Sides, Bottom, Front Panel, and Wing Vent). Cut 7 pieces of universal trim 1-3/16" long.
a. Start by gluing the Wing Vent to the Wing Front Panel in such a manner that it covers the hole with even spacing side to side and even spacing top to bottom (as viewed from the back).

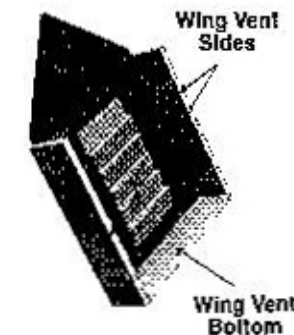
1. Back View



2. Back View



3. Back View



4. Front View

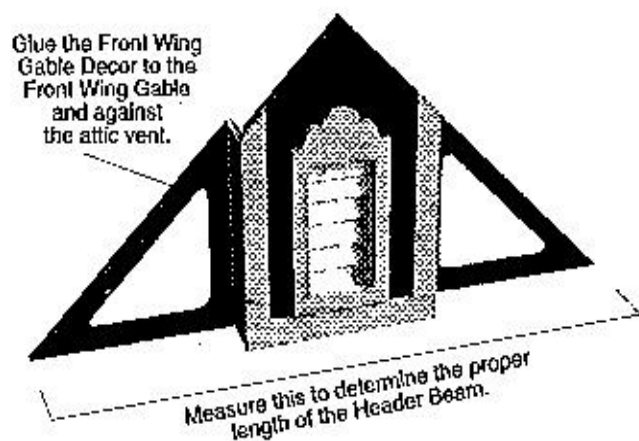


b. Glue in the 7 pieces of universal trim starting at the top and overlapping each piece slightly with the piece above. You may only need 6 pieces depending on how you arrange them. Either way is OK.

c. Then place the two sides and the bottom. The bottom glues to the *back surface* of the Wing Vent Front Panel and the sides glue to the *edges* of the Wing Vent Front Panel and the bottom.

d. Finally, use universal trim around the outside edges as shown.

2. Glue the vent assembly against the wing gable and the underside of the wing roof. Glue the Front Wing Gable Decor into position on each side of the vent assembly.

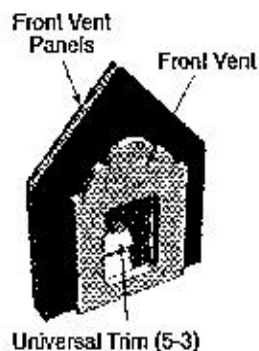
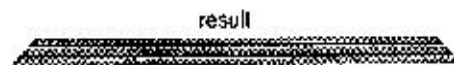


3. This next piece requires some patience. The idea is to create a piece of porch post molding (5-6) that fits up against the bottom of the vent box. We will call this the Header Beam. The Header Beam would be easy to make except that it also needs to fit against the under side of the roof. Try this method:

a. Measure the distance from the left most point on the Front Wing Gable Decor to the rightmost point. See illustration above.

b. Miter cut (45°) both ends of a piece of porch post using the above measurement as the short side. Glue this piece against the bottom of the vent assembly and the wing wall.

TIP: It is possible to do a fairly respectable miter cut without a miter box. First, make a mark for the measurement that you made earlier. Then draw a line straight across the molding at that point. Now measure from that mark outward 9/16" and make a second mark. Connect the two marks with a diagonal line and cut on that line.



4. Using similar technique, create the front vent. The main difference between the wing vent and front vent is that the front vent has no bottom or sides. Instead, the depth is created by gluing two identical panels together to form a single panel of double thickness.

Chimney

The chimney is in four sections – Bottom, Center, Top, and Stack. They are all made of 1/8" plywood.

1. Let's start with the bottom. Locate the bottom right, left, and front pieces. Also find the Chimney Splicer and the Fire Place Floor/Chimney Support.

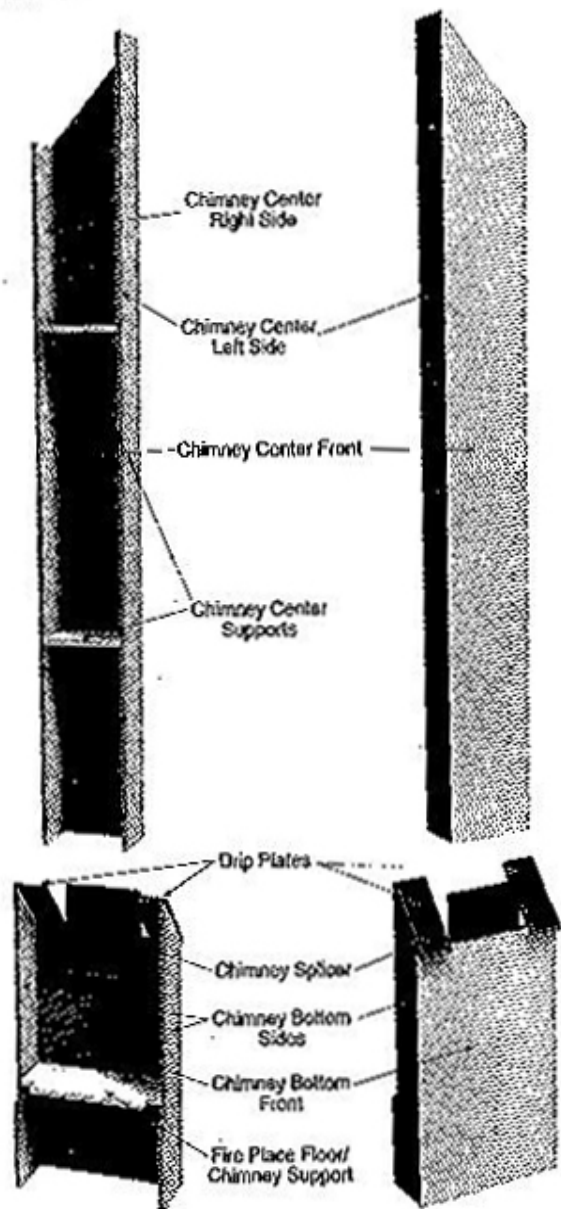
2. Lay out the front and two side pieces (face down) and make a horizontal mark 2-3/4" up from the bottom. This mark will define the position of the Fire Place Floor/Chimney Support. Glue it perpendicular to the chimney front as shown with the top edge against the pencil mark that you just made. Then glue on the side walls (flush to the bottom) and the chimney splicer.

3. Find the 3 chimney center pieces and the 2 Chimney Center Supports. Glue them as shown. Using the chimney splicer as the glue connection, glue the center to the bottom now. The bottom edge of the Chimney Center Front should rest on the top edge of the Chimney Bottom Front.

4. Find the Drip Plates and glue them in position.

5. Locate the 5 pieces of the chimney top. Assemble as shown.

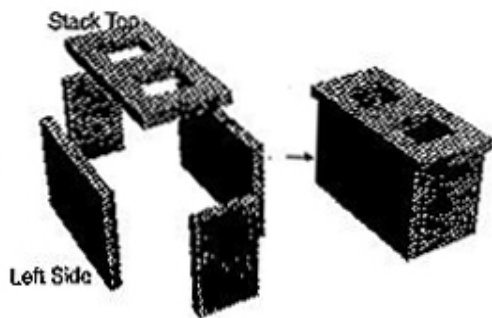
6. Locate the 5 pieces of the stack. Assemble as shown.



Chimney Top

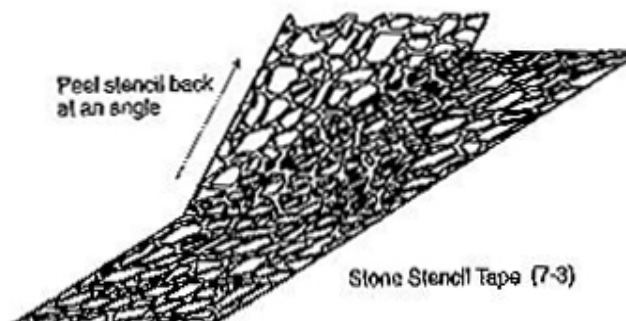


Stack



Stonework

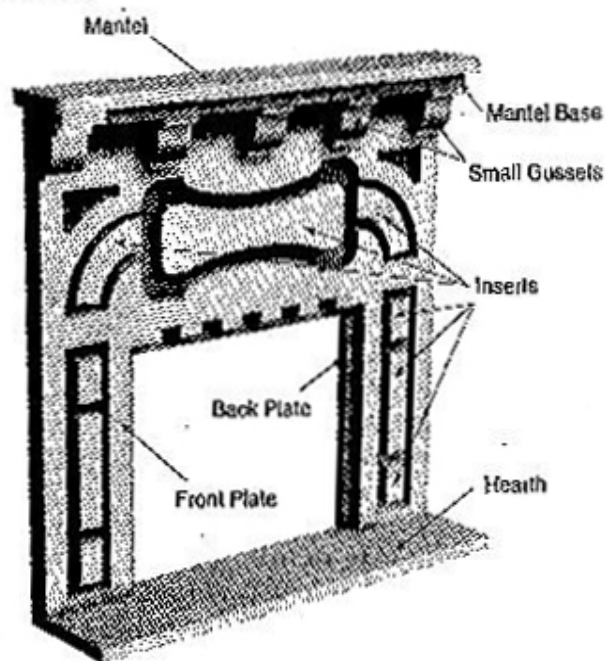
1. Doing stone work on the chimney is very similar to the brick work that you did on the foundation earlier. Look back to that section of the instructions to remind yourself of the procedure. Try not to get stone powder on the back edges of the chimney sides where the chimney will glue to the house.



2. Do the stone work on the chimney assembly and the chimney top assembly separately. The stack just gets paint. Glue all pieces on the house when completely dry. The Fireplace Floor/Chimney Support should extend into the fireplace opening. Be sure that the *bottom* edge of the fireplace floor is flush with the first floor of the house. When you position the Hearth from the inside (next step), it will butt up against the fireplace floor. Take time now to ensure that the top (which glues onto the roof) is lined up properly with the lower part of the chimney.

3. Glue the stack on top of the chimney top.

Mantel

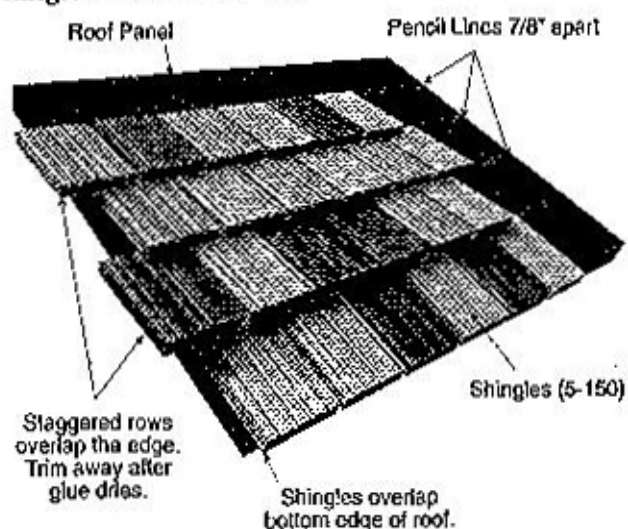


1. Locate all of the mantel and fireplace pieces (1/8" plywood). Glue them together as shown. Start by gluing the Fireplace Front Plate to the Fireplace Back Plate. Fill in the 9 Fireplace Insert pieces. Glue 5 Small Gussets (5-155) flush to the top of the mantel front plate as shown. Glue the Mantel base to the gussets and then the mantel on top of that.

Glue the assembly in front of the fireplace opening in the left wall. Glue the Hearth in position.

Roof Shingles

1. Remember those lines you drew on the roof parts? Well, now is the time to put them to use. Beginning at the bottom edge of each piece, glue a full row of shingles (5-150) with the top edge of the shingles on the line. The



bottom of the shingle will hang over the bottom edge of the roof. When the bottom row is complete, begin the next row and work your way to the top. Shift each row 1/2 the width of a shingle from the row below so that the cracks between the shingles do not line up over one another.

2. At straight roof edges, overlap the edge with the shingles. When the glue is very dry, you can easily trim the shingles flush with the roof edge.

In valleys and where roof edges are angled, you will need to cut shingles to fit the angle before gluing.

Final Trim

1. Using the box photo as a guide, cut and position trim pieces on roof edges and gables. Pieces can be cut from universal trim (5-3) and fascia trim (5-158).

When fascia trim is in position, glue the Gable Trim (1/8" plywood) pieces in position on each of the four outside gables (The gable at the top of the right wall does not get a gable trim piece.)

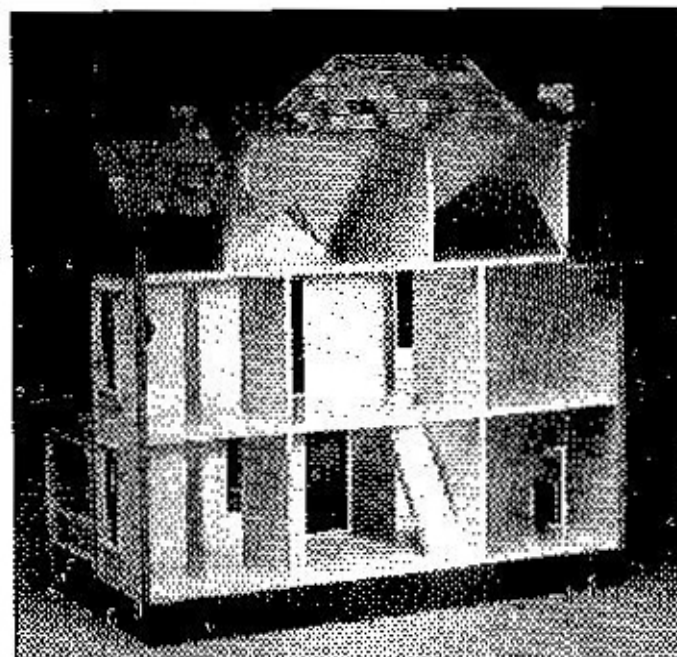
2. Again, using the box photo as a guide, glue on the small gussets (5-155) under the attic vent and the header beam. Also glue the 3/8" balls (8-2) on top of the short porch posts. These balls will hold best if you sand a flat spot where the glue is to be applied.

3. Using Large Gussets (5-141), Small Gussets (5-155), and 3/8" Balls (8-2), create the decorative trim under the outside edges of the header beams (see box photo).

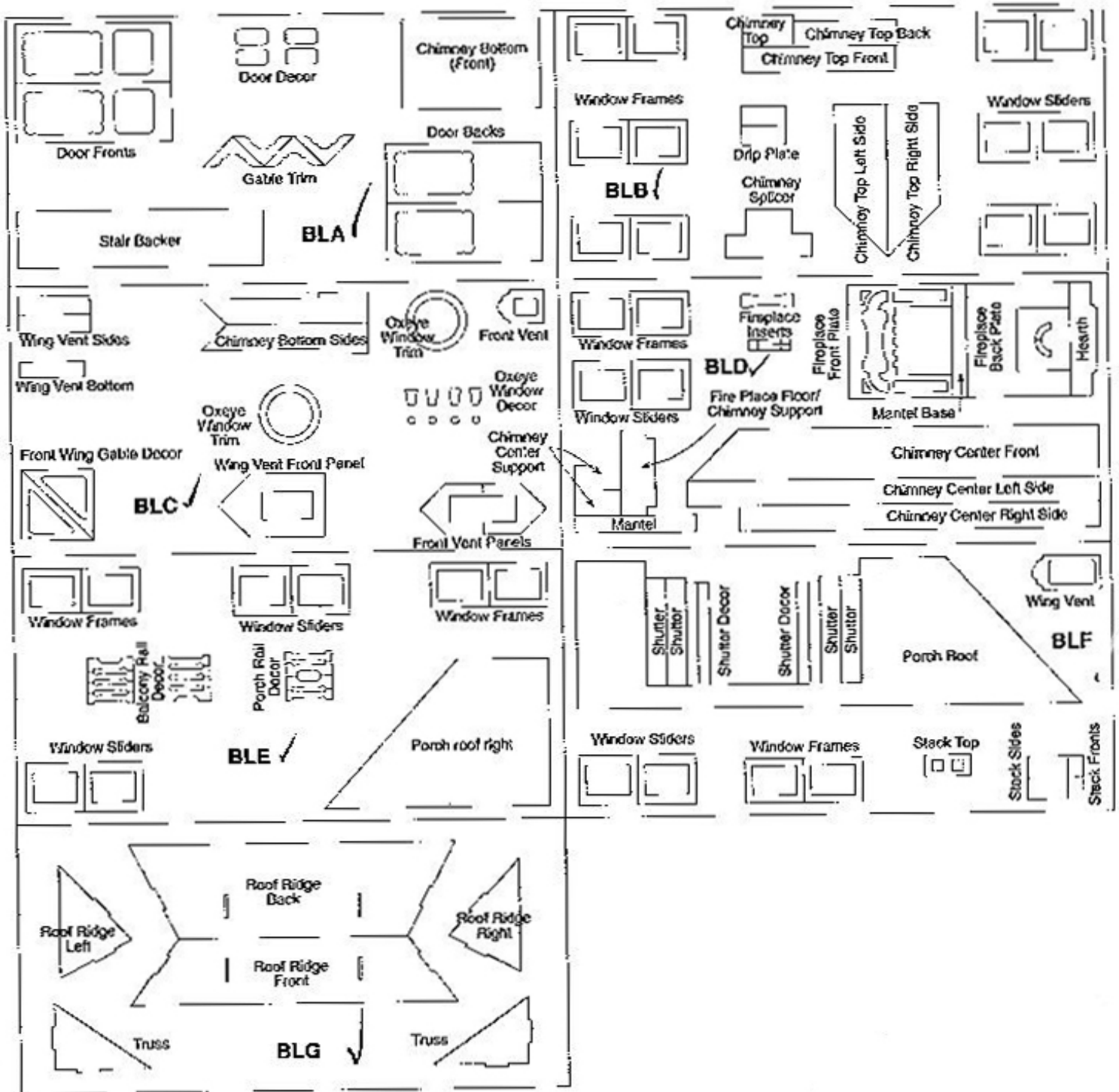
4. Glue shutters and shutter decor (1/8" plywood) to the front wing wall beside the windows. See box photo.

5. We have included a little bit of extra molding in the kit for those of you who want to add things that we didn't think of. Some people like to fill in the gaps at the top of the interior walls, between wall tops and the underside of roof pieces. You may wish to customize your house and add features you specifically want. We encourage innovation.

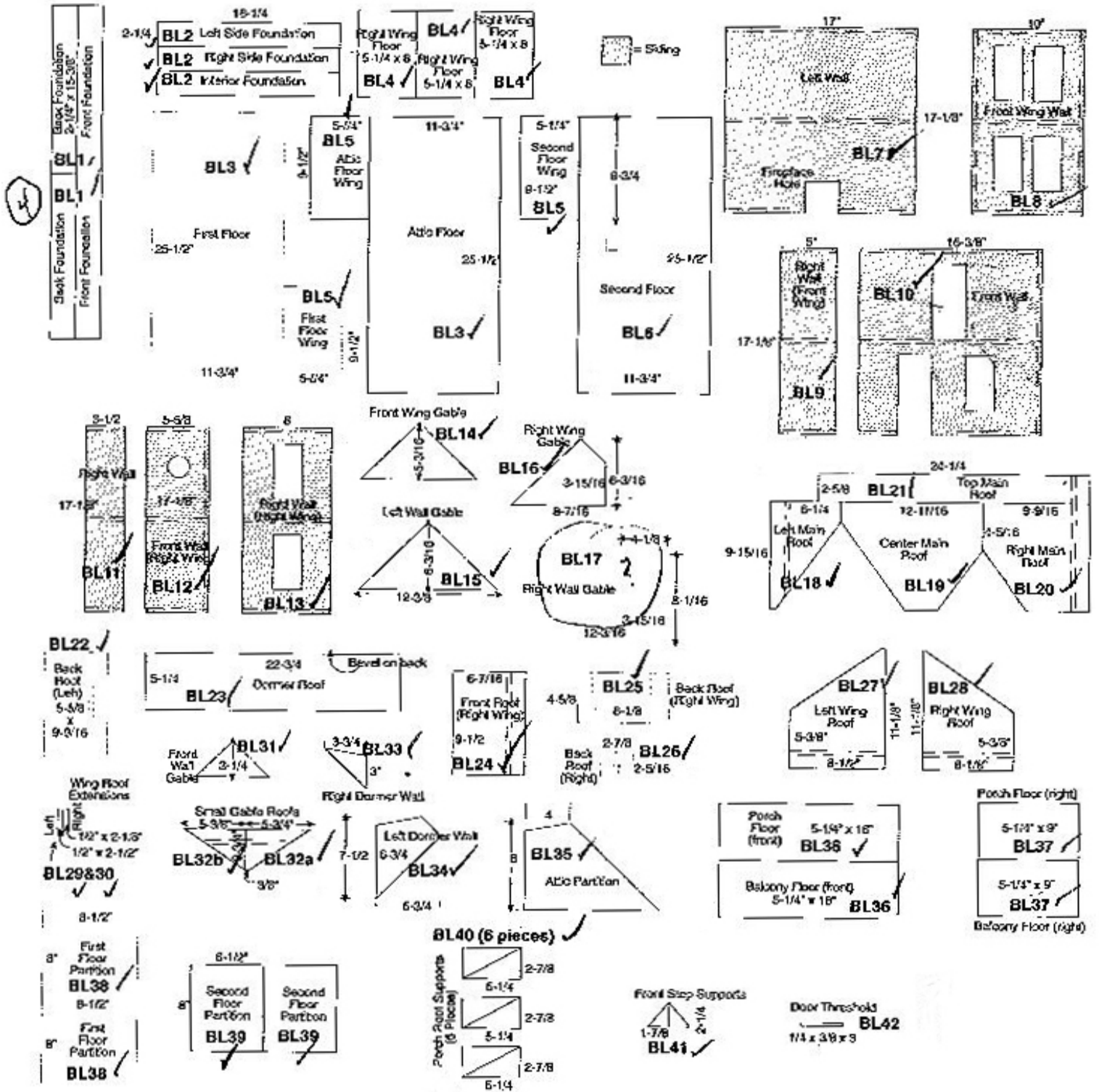
Congratulations! Enjoy.



1/8" Plywood Pieces



Medium Density Fiberboard (MDF) Pieces



Part No. 5-3



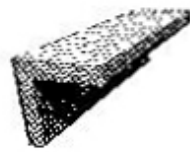
Universal Trim

Part No. 5-6



Porch Post

Part No. 5-8



Corner Molding

Part No. 5-70



Porch Rail Bottom

Part No. 5-71



Porch Rail Top

Part No. 5-141



Large Gusset

Part No. 5-154



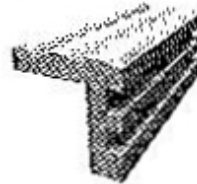
Cornice/Sill Molding

Part No. 5-155



Small Gusset

Part No. 5-156



Moving Window Molding

Part No. 5-158



Fascia Trim

Part No. 5-160



Door/Window Molding

Part No. 6-2



Baluster Dowel

Part No. 6-12



Porch Gusset

Part No. 6-17



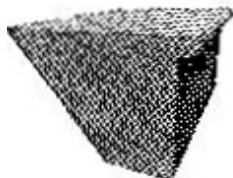
Door Knob

Part No. 6-18



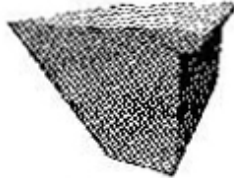
Hinge Pin

Part No. 6-26



Steps (2-1/2")

Part No. 6-28



Steps (7")

Part No. 8-2



3/8" Ball

Part No. 5-150



Plain Shakes (Shingles)

Part No. 7-1



Brick Tape

Part No. 7-2



Brick Mix

Part No. 7-3



Stone Tape

Part No. 7-4



Stone Mix