



**Measure and identify the parts:** Label them with sticky notes using the names from the parts list, and check them off the parts list so you know you have everything. *Taking the time now to identify and organize the parts also makes them familiar so you will understand what the instructions intend* as you read ahead.

**Review the techniques** on the first few pages of your dollhouse instructions (a copy of which can be found at [www.realgoodtoys.com](http://www.realgoodtoys.com) - scroll down to "assembly instructions" at the bottom of the Home Page).

Pay particular attention to these sections:

- Glue selection
  - Taking things apart
  - Getting the best from your masking tape
  - Painting (Sanding!)
- a flat work surface is essential

- Plan ahead so you know where you are going
- Read ahead so you know how to get there
- Paint ahead so parts will be ready when you need them

### DH37K Addition Parts:




(dimensions are approximate and are for identification purposes only)

1	J1050	Base Floor	1/4	117/8	117/8
2	J1051	Upper Floor	3/8	117/8	117/8
2	J1052	Liner	1/8	10	111/4
2	J1053	Front Wall	3/8 Milled	10	83/4
2	J1054	Corner Wall	3/8 Milled	10	47/16
2	J1055	Side Wall	3/8 Milled	10	83/8
1	J1056	Front Foundation	3/8	819/32	13/4
1	J1057	Corner Foundation	3/8	421/32	13/4
1	J1058	Side Foundation	3/8	813/32	13/4
1	J1059	Back Foundation	3/8	111/2	13/4
1	J1060	Inside Foundation	3/8	1015/16	13/4

Box

4	W12A	Assembled Standard Window Frames			
4	E8157	Standard Window Pane	21/8	45/8	
4	E6496	Window Pediment	1/2 x 5/8 molding	31/4	
4	E6497	Window Stool Cap	5/16 x 9/16 molding	31/4	

Trim:

6	E6513	Post	1/2 Flutepost	15/8	
6	E6514	Post Cap	1/8	11/16	11/16
8	J1061	Rail	B-Rail	37/16	
2	J1062	Rail	B-Rail	47/16	Miter45/45
28	E6516	1/8Dowel	1		
Stripwood					
15	J1063	Stripwood	3/16 x 3/32	10	
11	J1064	Stripwood	7/16 x 3/32	10	
4	J1066	Bevel Strip	3/16 x 3/8	10	Bev\ 221/2° 



Supplies you will need:

- Paint: Interior semi-gloss latex paint... Most painting is before assembly - get the paint now.
- Paintbrushes 1" or 2" foam brushes for painting
- Sandpaper: 320 grit, several sheets
- Glue: Aleene's Original Tacky Glue for the assembly
- Masking tape: 3/4" or 1" high tack yellow masking tape

## Overview of the Build:

Details of each step will be expanded along the way, but lots of builders like to see how it all fits together before they start.

- Identify and label all of the parts
- Pre-assemble the Foundation
- Test the Walls and Terminal Strips - mark the perimeters
- Paint the first coat on parts that will be painted
- Option: Faux-wood floor finish on the floor
- Sand everything until the paint is smooth, transparent, and some of the wood is showing through
- Decide on the order of painting/assembly
- Second Coat the painting as decided
- Wiring? Prepare for wiring as you build see [www.realgoodtoys.help](http://www.realgoodtoys.help)
- Build the Addition body
- Trim, Posts and Rails

Not suitable for children under 13 years of age  
California 93120 compliant for formaldehyde phase 2

Builder support: [www.realgoodtoys.help](http://www.realgoodtoys.help)

Determine whether this will be a left or a right addition (reference to “left” or “right” are as viewed from the front of the house).

Photos in this instruction set are for a Right Addition, but it can be reversed and built on either side.

**Wiring?** If you are going to wire your addition, be prepared to cut slots for the tapewire each time a floor is ready to glue down. An Oscillating Multitool makes running wire later easy but for builders who will be cutting slots with a rotary tool or ‘drilling and carving’, follow the tracing (in the PreAssembly step) and cut the hole 5<sup>1</sup>/<sub>2</sub>” from the back edge, mostly hidden by the wall, and sticking out from the inside wall’s surface 1/32” or so. [www.DollhouseWiring.com](http://www.DollhouseWiring.com)

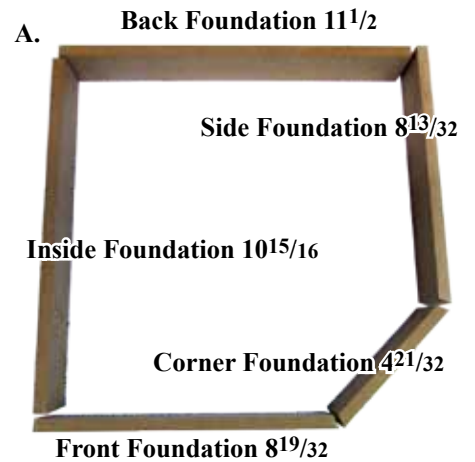
**Pre-Assembly**

Glue and tape together the Foundation set.

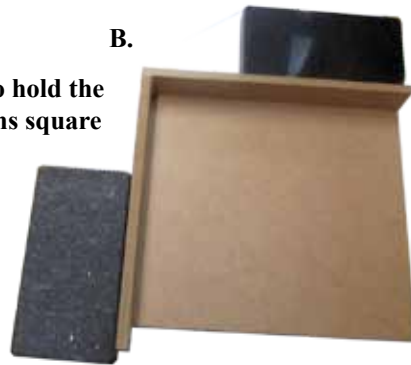
(You have already identified the parts and labeled them)

A. Lay out the Foundation parts as shown. Pay particular attention to the direction each piece overlaps in the corners.

B. Glue and tape together the Back and Inside Foundations (the Back overlaps the Inside). Let the glue dry.



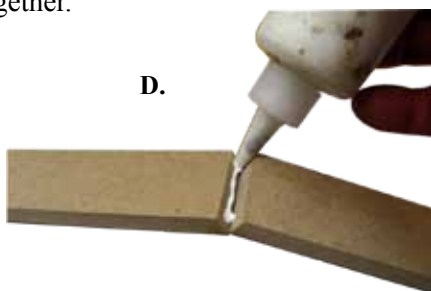
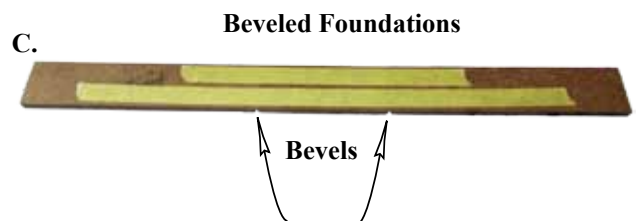
Temporary use of a Liner to hold the Back and Inside Foundations square as the glue dries



Let the glue dry - take off the tape

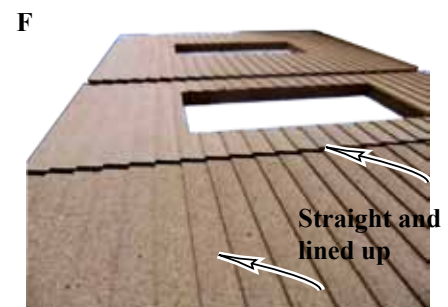
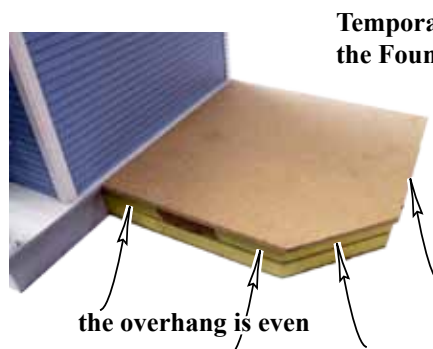
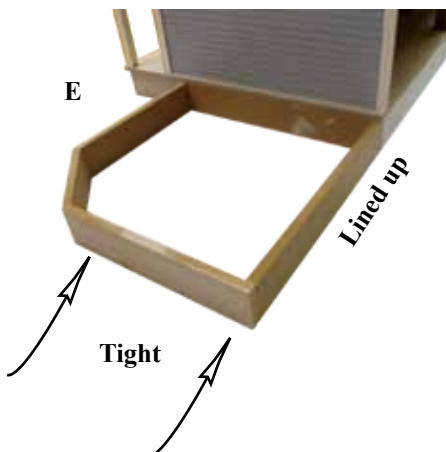
C. Tape together the Front, Corner, and Side Foundations at the points of the bevels.

D. Turn the set over. Lift to open the “V”; glue the bevels together.



E. Glue and tape the beveled Foundations (from step C&D) to the square Foundations (from step B). See Illustration A.

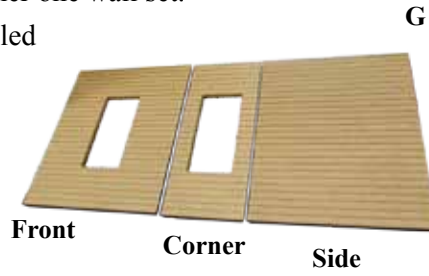
F. Push the Addition Foundation against the House Foundation, lined up in back. Without glue, set the Base Floor on the Foundation. Straighten the Foundation to match the Base Floor in back. Keep the Addition Foundation tight to the House Foundation. Check that the overhang is even on the side and in front.



Let the glue dry - remove tape and weights

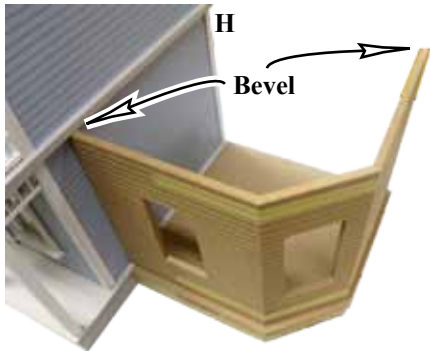
G. Test, then (without glue) tape together one wall set.

- Both edges of each wall are beveled
- Line up the clapboard profile
- Line up the bottom edges

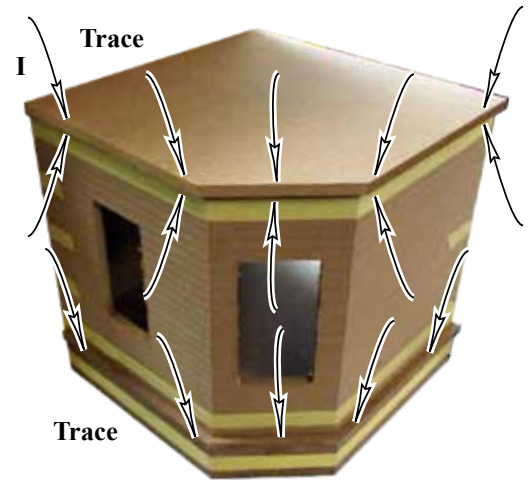
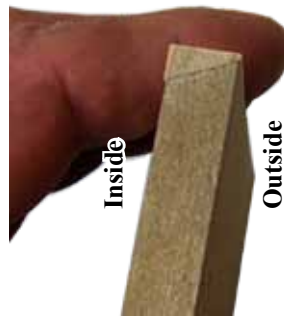


H. Test the wall set on the floor - see the bevels on both ends.

Tape the Bevel Strips to the ends of the wall sets;  
Don't glue them yet - it makes painting harder.



Bevel strips make the ends square and the insides smooth



I. Trace, move, and repeat to mark the Wall set on the Base and Mid Floors and on the Mid and Top Floors' undersides (the ceilings).

- The walls are touching the house and lined up in back
- Parallel with the floors' edges

Take off the tape - paint the perimeters and edges just covering the lines.

**Review the Painting tips on the house instructions or at [www.realgoodtoys.help](http://www.realgoodtoys.help)**

### Assemble the Rails

1. Paint and sand the rail parts before assembly.

a. Paint (first-coat) the Rails, wipe any paint out of the grooves, and do not paint the Rail ends at all.

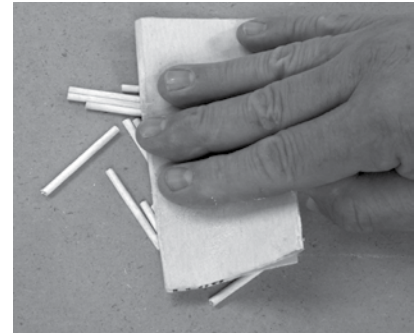
b. Lay a hand full of Dowels on a sheet of paper. Dab and roll the Dowels with a foam paintbrush or small-celled sponge until they are lightly painted... less paint is better.

c. Spread the painted Dowels on waxed paper. Separate and move them around every few minutes as the paint dries.

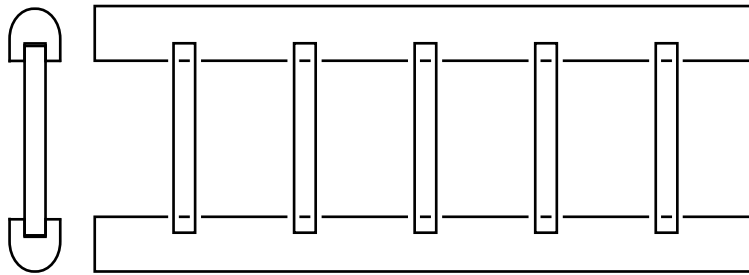
Paint all of the Dowels; let the paint dry



d. Lightly rub the dowels around with sandpaper (a small handful at a time) to sand off the raised grain.



Second-coat the paint after the Railings are assembled



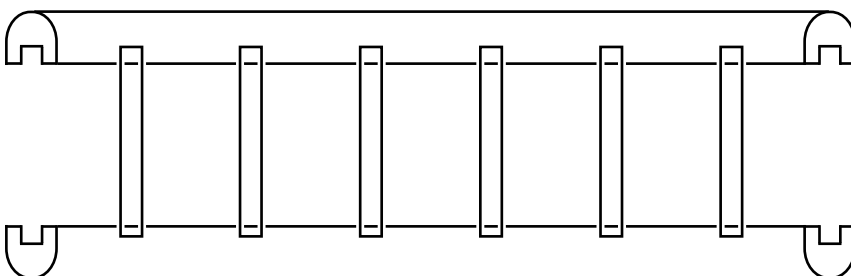
2. Assemble the Railings:

a. Match Rails into assembly pairs (the same length).

b. Set the first Rail of each assembly pair on the drawing, lined up on each end, and with a Stripwood support ready. Dip a Dowel in a puddle of glue for a scant dab on the end. Poke the Dowel into the groove to match the drawing; be sure all the Dowels are even, straight, and square, and lined up with the drawing.



c. Dab a little glue onto each Dowel's end. Hold the second Rail of the assembly pair over the Dowel's ends at an angle and lined up with the second rail on the drawing. Push down and scoop the Dowels' ends into the groove.



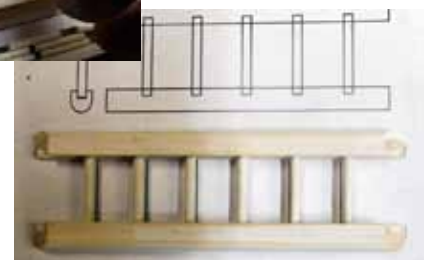
d. Squeeze the Rails together so the Dowels are fully in the grooves. Set a window frame over the Railing as a square. Hold the Railing set on the drawing; make the Rail ends exactly line up. Use the Stripwood to lever the Dowels, first one end then the other, straight and square and lined up with the drawing.



Repeat for the other Railings.

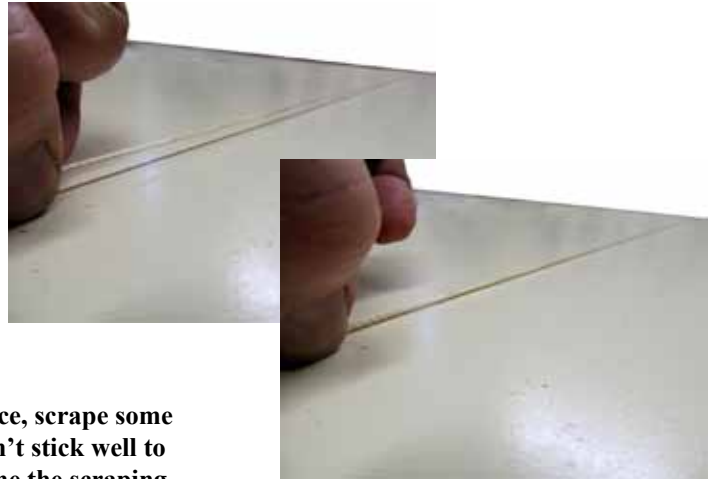
Leave the mitered Railing Set on the drawing to confirm that it's square while the glue dries.

3. Paint (second-coat) the Railings.



**Paint everything that gets painted now**

**Flat:** If your workbench has a different flatness from the table on which your house and addition will be displayed, the addition won't fit the same as it does as it is built. Check your workbench by stretching a string from one side to the other and looking for crown or gaps. Check from side-to-side and from front-to-back and make whatever accommodations you wish in order to adjust the fit.

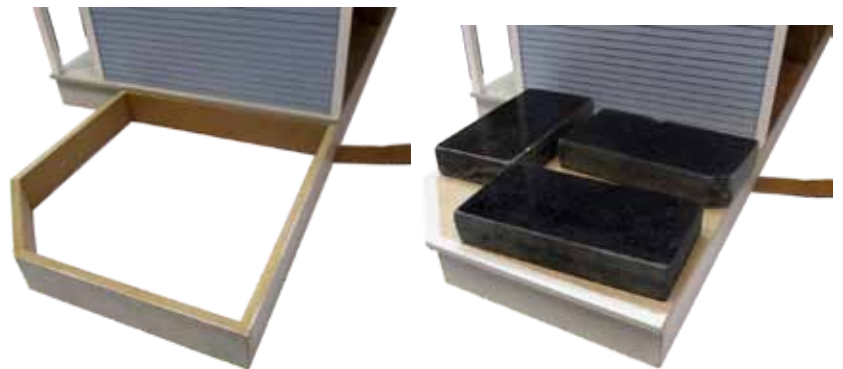


**Assembly**

**Gluing to paint:** Any place you are gluing to a painted surface, scrape some of the paint off to expose wood for the glue to grab (glue doesn't stick well to paint). Mark the joint and scrape within the marking. Confine the scraping to within the marks so scraping stays invisible (you don't need to get it all).

Note: it is possible to assemble the Addition without attaching it to the house, but it makes the Addition fragile and is not recommended.

1. Glue and tape the Addition Foundation to the House's Foundation.

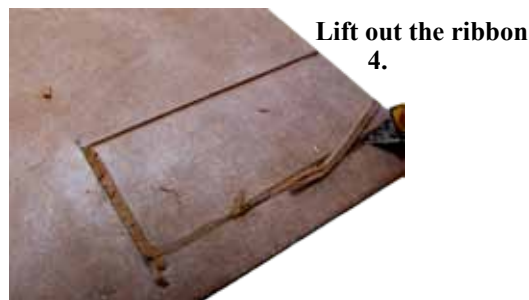


Glue, tape, and weight the Base Floor to the House Floor and Addition Foundation. The Foundations and Floors all line up in back. Let the glue dry.

**Liners:**

A. (Optional) If you intend to cut a door into the house (Jig Saw, Oscillating Multitool, or Utility knife) here is the process for a utility knife:

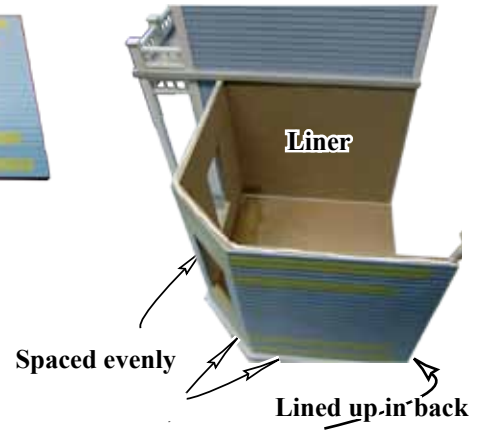
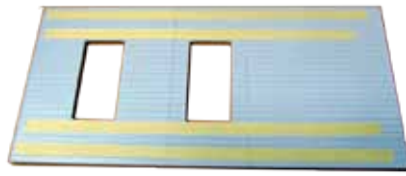
1. Lay out the cut that fits the door ( $3\frac{1}{16}$  x  $7\frac{1}{16}$  fits the 1015 interior door).
2. Make several gentle cuts with the blade straight up-and-down.
3. Make a 'clearing cut' inside the straight cut with the blade angled to lift out a ribbon of material.
4. Continue making straight cuts and clearing cuts until you are through.
5. Take out the waste piece - clean up the edges.



B. Remove the House's Trim at the back of the Side: Heat the Trim for several minutes with a hair dryer - don't get the trim too hot to touch. The glue will get stretchy. Continue heating as you gently pull off the Trim.

C. (Optional) Trace the door cutout from the Liner to the House's Side. Repeat the steps in A to cut a door in the Side that matches the cutout in the Liner.

2. Tape together a wall set at the points of the bevels, lined up on the bottom edges. Set a Liner between the floors, lined up in back. See page 8 for Liner details. Scrape a narrow line of paint just in front of the Liner to give a little bare wood for the Front Wall to glue to the house.



Glue the wall set together (don't forget the Bevel Strips) and to the house and floor, located by the Liner, lined up at the back of the floor, and spaced evenly all the way around.

3. Glue, tape, and weight the Mid Floor to the House Floor and Addition Walls. Turn the other Liner sideways to support the floor and hold the Addition Side straight up-and-down.

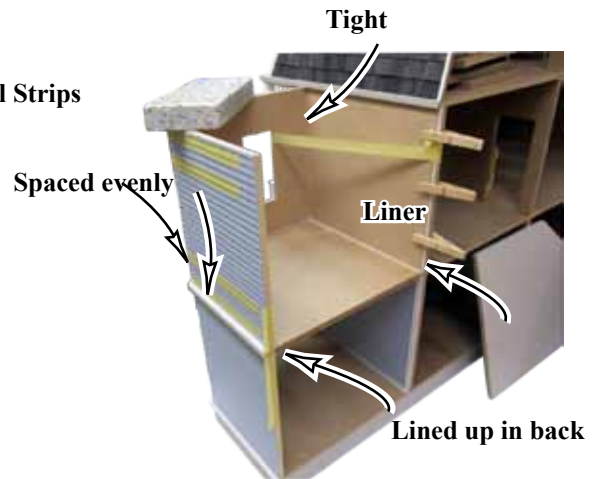


Let the glue dry - take off tape and weights

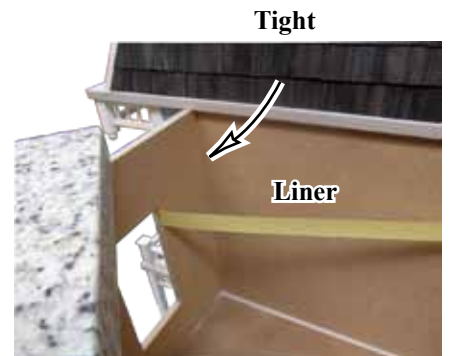
4. Tape together a wall set at the points of the bevels, lined up on the bottom edges. Set a Liner between the floors, lined up in back. See page 8 for Liner details.

Don't forget the Bevel Strips

Glue the wall set together and to the house and floor, located by the Liner, lined up at the back of the floor, and spaced evenly all the way around.



5. Glue, tape, and weight the Top Floor to the House Floor and Addition Walls. Turn the other Liner sideways to support the floor and hold the Addition Side straight up-and-down.



Let the glue dry - take off tape and weights

**Touch up the paint**

**5. Pre-Assembled Windows:**

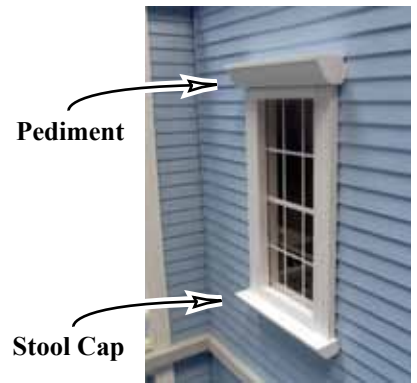
Make a card the size of the plexiglass to mop up any paint that gets in the grooves before it dries.

Do not put the mop in the groove while painting; do not leave it in as the paint dries.

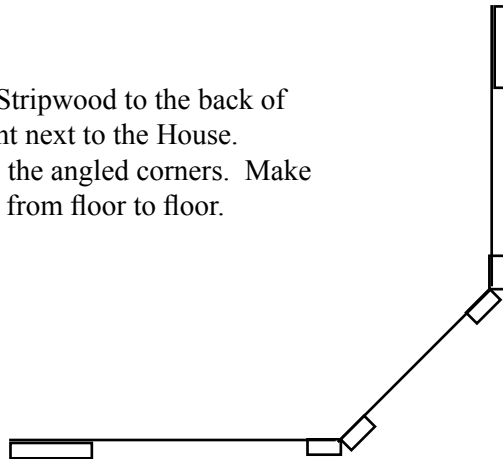
Remove the protective cover from the Window Pane. Slide the Pane into the slot on the Frame's top.

**Install all the painted Windows** in their openings.

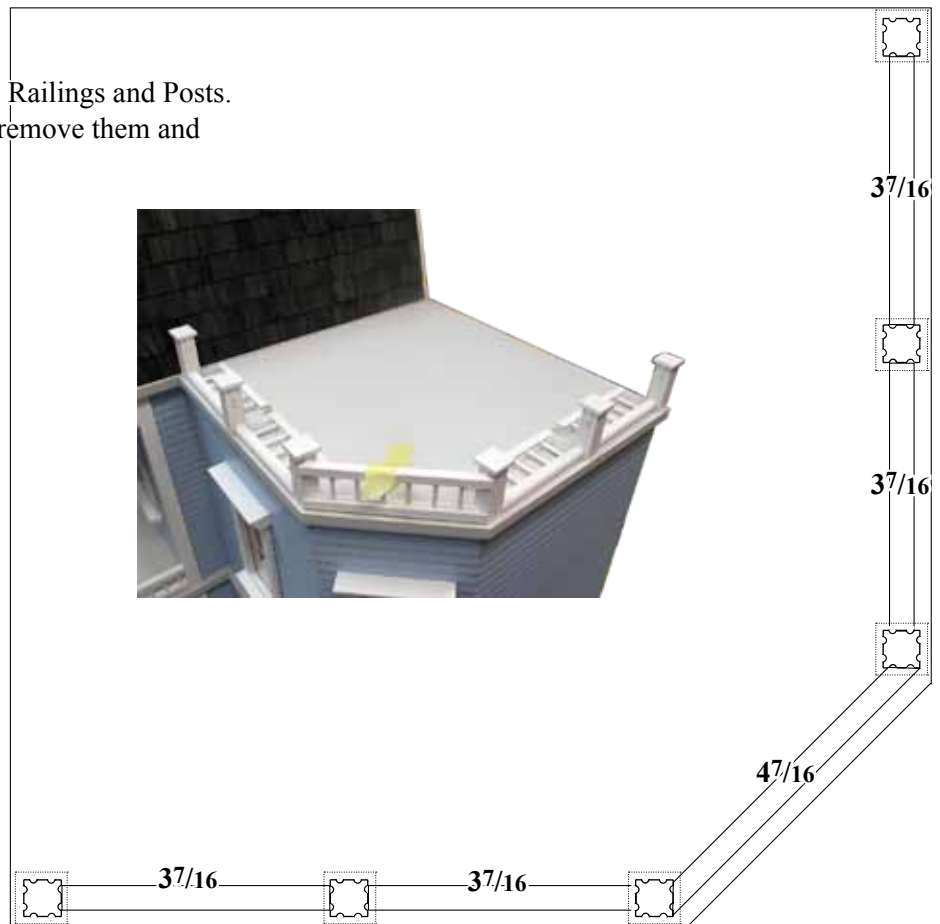
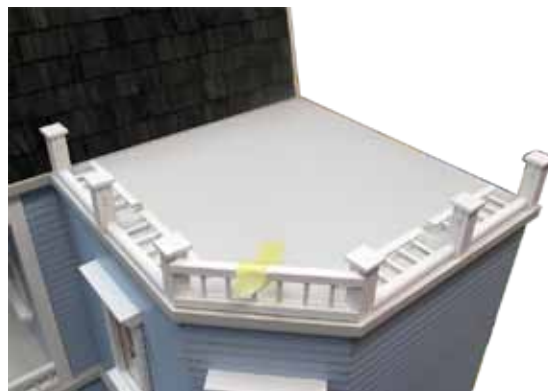
**Glue Pediments and Stool Caps** to the Windows



**6. Trim.** Glue and tape painted  $7/16$  Stripwood to the back of the Addition Side and to the Addition Front next to the House.  
Optional: Glue and tape  $3/16$  Stripwood to the angled corners. Make sure vertical lines stay in-line and straight from floor to floor.



**7. Railings.** Without glue set up the Railings and Posts. When the spacing is right, one-at-a-time remove them and glue them back in place.



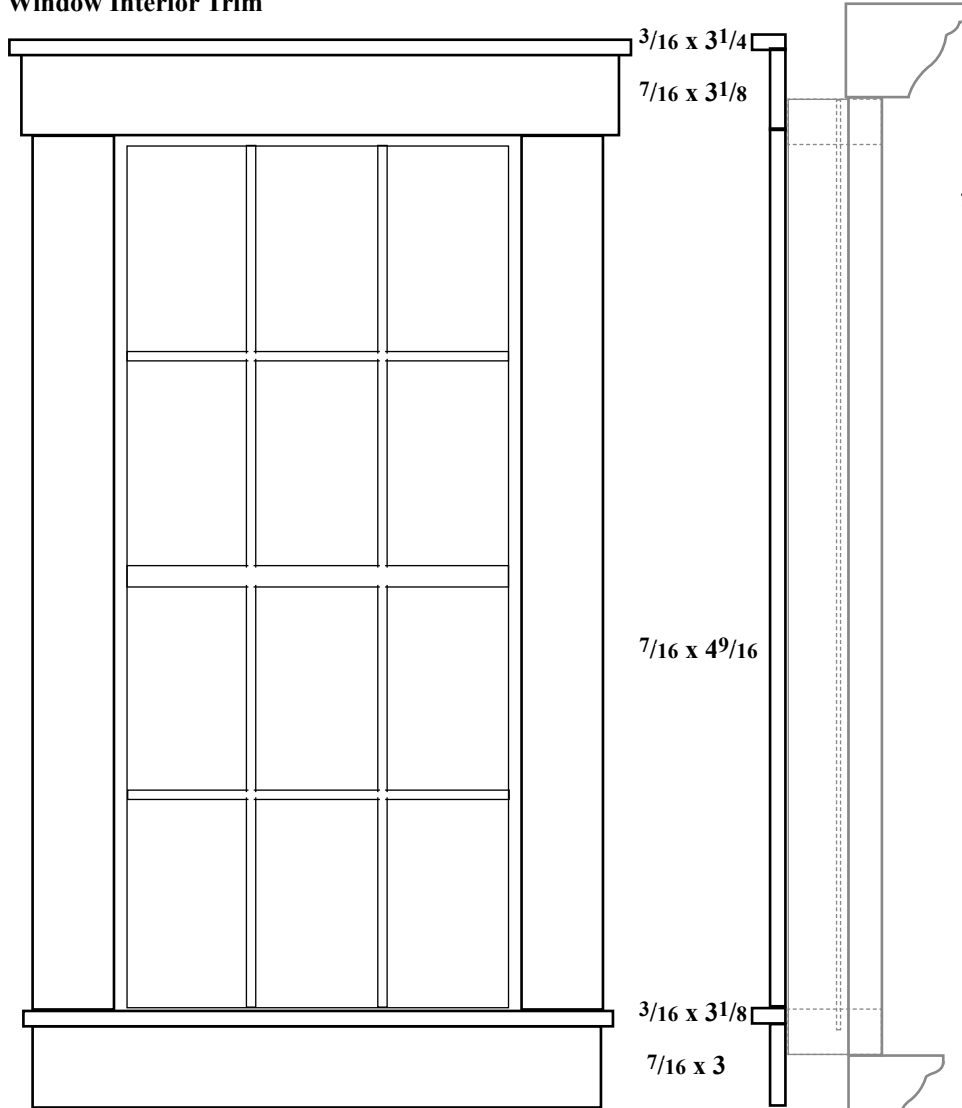
**Interior Finishing** (see “Finish the Inside” of the DH77K Instructions)

**Install interior Window and Door Trim after other interior work is done.**



**8. Interior Trim:** A. Cut and assemble 4 sets of Window Interior Trim; cut the longest pieces first (including Door Jamb Extensions- see 8B).

**Window Interior Trim**



**Tip:** I cut clean rectangles of cardboard just under  $49/16 \times 21/8$  and assemble the Window Trim around them. Then, when the time comes to install the Trim, I glue another piece of cardboard  $2 \times 41/2$  to the back, centered side-to-side and lined up on the bottom as an installation guide.



**Cardboard assembly-and-installation guide**

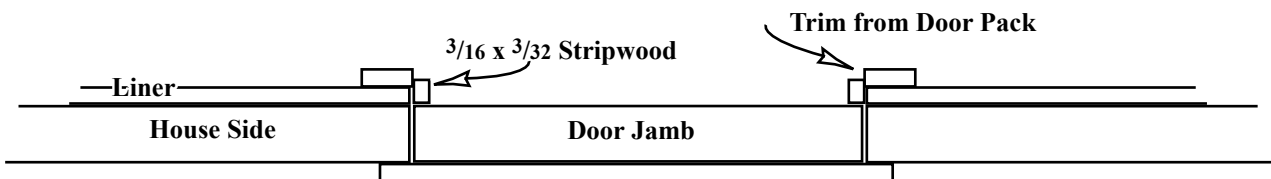


B. Liners: If you haven't done so, glue the Liners to the House Sides, lined up in back. Scrape some paint from the House Sides for the glue to grab. Use weights, clothes pins, or bags full of shopping bags to apply gentle pressure. Let the glue dry.

The House Side + Liner makes a wall that is extra-thick. If you have cut a door into the addition, extend the jamb (the part of the door frame that is within the cutout) with  $3/16$  Stripwood.

The 1015 Interior Door I have in my hand uses 2)  $67/8$  and 1)  $215/16$  pieces of  $3/16$  Stripwood to extend the jamb. Confirm your needs on your interior Doors.

**Cross section viewed from the top**



**Done!**  
Now the fun begins.