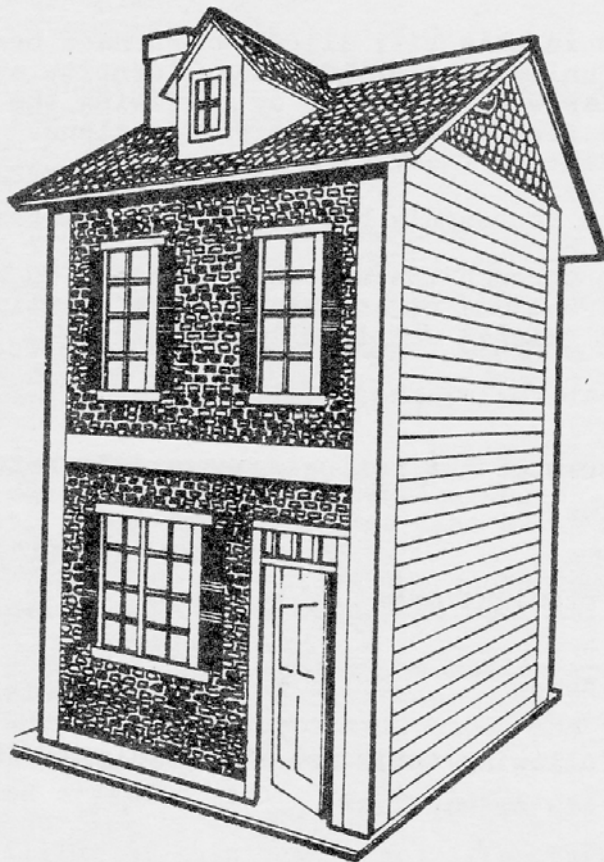


Assembly Instructions



MODEL NO. 1003
"TOWN HOUSE"



**MODEL
HOMES**

14 Ray Place
Fairfield, N.J. 07006

Instructions for Assembly & Finishing
"Town House" DOLL HOUSE KIT
Model No. 1003

INTRODUCTION: To quote an old adage "If it's worth doing at all, it's worth doing right".

You are about to begin the process of constructing a scale model Doll House that is destined to become an heirloom in your family. When it is completed, it will reflect your own careful skills and patience. It will be a labor of love; an accomplishment to be viewed with pride!

There are many parts in this kit; all of which have been carefully pre-cut and packaged in units to simplify their identity and assembly. You should become familiar with the parts by reviewing the Parts Lists and diagrams on the last few pages of these Instructions. Go through the various parts and identify them.

Read all Instructions thoroughly before beginning assembly!

Proceed step-by-step through the assembly process. DO NOT skip steps. Read the entire instructions of any Step before starting and pay particular attention to the "Hints" outlined in the Step.

Work methodically; carefully; and slowly!

MATERIALS NEEDED Assemble the following materials before starting:

- | | | |
|-------------------------------|----------------------|-----------------------------|
| 1. White Wood Glue | 6. String | 11. Razor Knife |
| 2. Tape Measure | 7. Masking Tape (1") | 12. Soft Cloth or Sponge |
| 3. Yardstick or straight edge | 8. Wax Paper | |
| 4. Pencil | 9. Sandpaper | 13. Weights (such as books) |
| 5. Heavy Rubber Bands | 10. Scissors | |

HELPFUL TOOLS The following tools are not required but may be helpful:

1. Small coping saw or hack saw
2. Carpenter Square
3. Fine file or emeryboard
4. Small C Clamps or Spring Clamps
5. Spring type clothes pins
6. Electric Glue Gun

GENERAL HINTS

Gluing Chose a white glue with quick tack (quick-setting) properties. Pour some into a plastic container and allow it to thicken slightly before using; or use a heavy-bodied "craft" type white glue.

Use glue sparingly, unless directed otherwise. Always wipe-up excess glue with a damp cloth or sponge before it dries.

For certain Steps (such as applying roof shingles) a hot-melt electric glue gun is a great time saver!

Sanding

It may be better to sand parts before assembly, depending on the finish you desire on the completed house. To sand flat surfaces make a sanding block by wrapping sandpaper around Part No. J-6 (Single Chimney). Specific sanding hints are listed in several steps in the instructions.

Part Number Codes: A--Clapboard Siding Sections
B--Window and Door Parts
C--Base Part (Particle board)
D--Floors, Partitions, Roof (Hardboard or plywood)
E--Trim & Frame Parts
F--Stairway Parts & Railings
G--Shakes & Shake Trim
J--Chimney Parts
K--Dormer Parts

If you have read and understood all instructions and you have identified all parts, you are ready to proceed.

STEP I. WALL ASSEMBLY

Locate front wall panel (D-26) and carefully punch-out parts from window openings. Set aside parts J-5 and B-29; the remaining punch-outs are not needed. Lightly sand all edges to remove roughness.

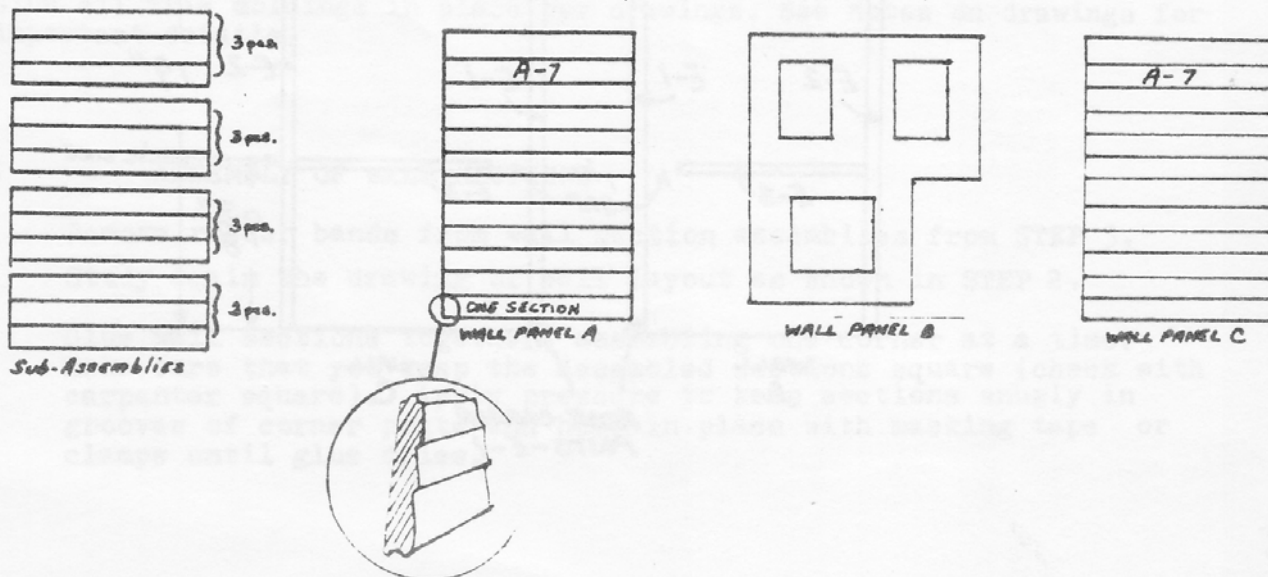
Arrange siding sections (A-7) according to diagram. The grooved edges face down and the tongue edge faces up. Note that 12 sections of siding make up each wall (Side Wall A and C).

Working on a flat surface, covered with waxed paper, first glue together only 3 pieces of siding to make wall sub-assemblies. Use rubber bands and weights to keep these sub-assemblies flat while glue dries.

After glue dries, these sub-assemblies are glued together to form wall sections. Again, use rubber bands and weights.

IMPORTANT! Make sure that all sections of siding are square. Slight variations in siding lengths (up to $3/16$ ") due to cutting tolerances are not important, since the corner posts will hide them.

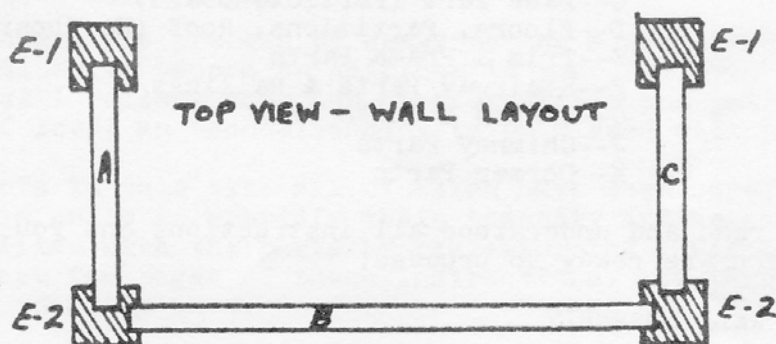
Cracked or split siding can easily be glued together and minor surface defects (knots, etc.) should be filled with wood filler at this time also, if necessary.



STEP 2.

INSTALL CORNER POSTS

Study the illustration showing a top view of wall panels and corner posts assembled. Note the difference between corner posts (Parts E-1 and E-2) Note carefully the orientation of the grooves in the various corner posts, as shown in drawing.

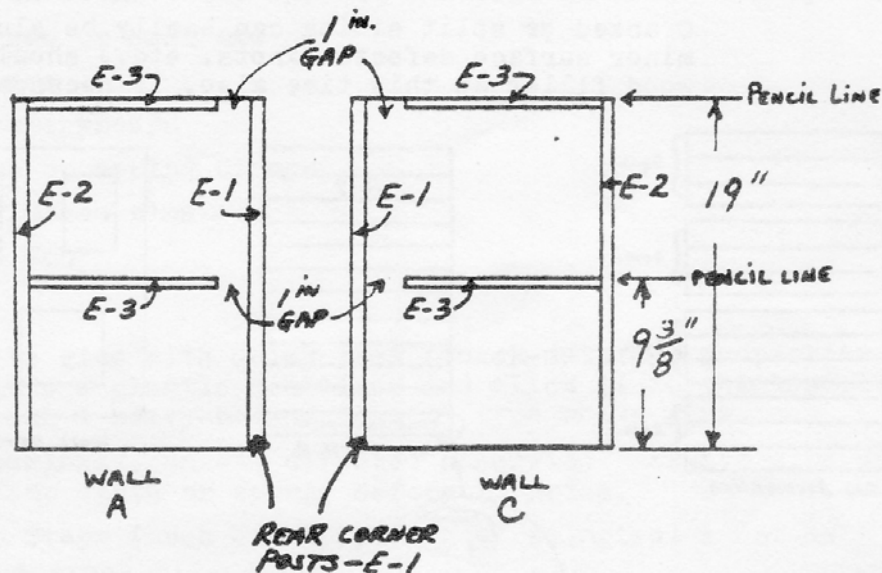


Inspect wall panel edges and make sure they are free of dried glue droplets and are square overall. Sand away excess glue and true-up the squareness by sanding with sanding block if necessary.

Pre-assemble two corner posts on the following wall panels, as shown in drawing. Make sure corner posts are flush with the bottom of wall panels; the alignment on top is not important. (Remember that the grooved edge of siding is the bottom and the tongue edge is the top). Apply glue to groove(s) in corner posts.

Wall Panel A--with Corner Post E-1 and E-2
 Wall Panel C--with Corner Post E-2 and E-1

Secure corner posts to wall panels with wide rubber bands. Wipe up excess glue. Allow to dry.



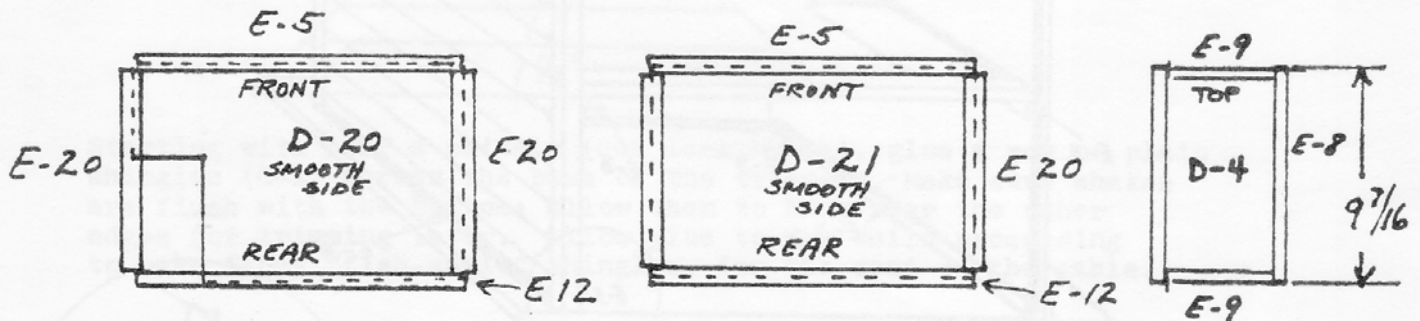
STEP 3.

FLOOR SUPPORTS

Mark the inside (flat side) of all wall panels with a pencil line to indicate location of floor supports. The first line is located by measuring up $9\frac{3}{8}$ " from the bottom of the panels. The second line is located by measuring up 19". This second line will be very close to the top of the panels and may even coincide with the top edge, just below the tongue of the top siding section.

Cut support molding (E-3) (E-3 is contained on balsa wood strips) to fit between corner posts. On panels A and C leave a 1 inch gap adjacent to the rear corner post (E-1) to provide clearance room for floor assemblies (see drawing).

Glue E-3 support moldings in place BELOW the pencil lines.



STEP 4.

FLOOR & PARTITION TRIM

Locate all hardboard floor and partition parts (D-4; D-20; D-21).

Using sanding block, sand all edges to remove any roughness from cutting and to make a slight bevel for an easy fit in trim moldings.

Locate all trim moldings (Parts E-5; E-20; E-8; E-9) and Rear Trim for floors (E-12). Sand inside of grooves to remove any roughness or savings.

Arrange all hardboard parts and trim moldings according to illustration. Note position of smooth side of hardboard. Before gluing, make sure hardboard edges fit freely in grooves. If too tight, sand to fit.

Glue all trim moldings in place per drawings. See notes on drawings for important details.

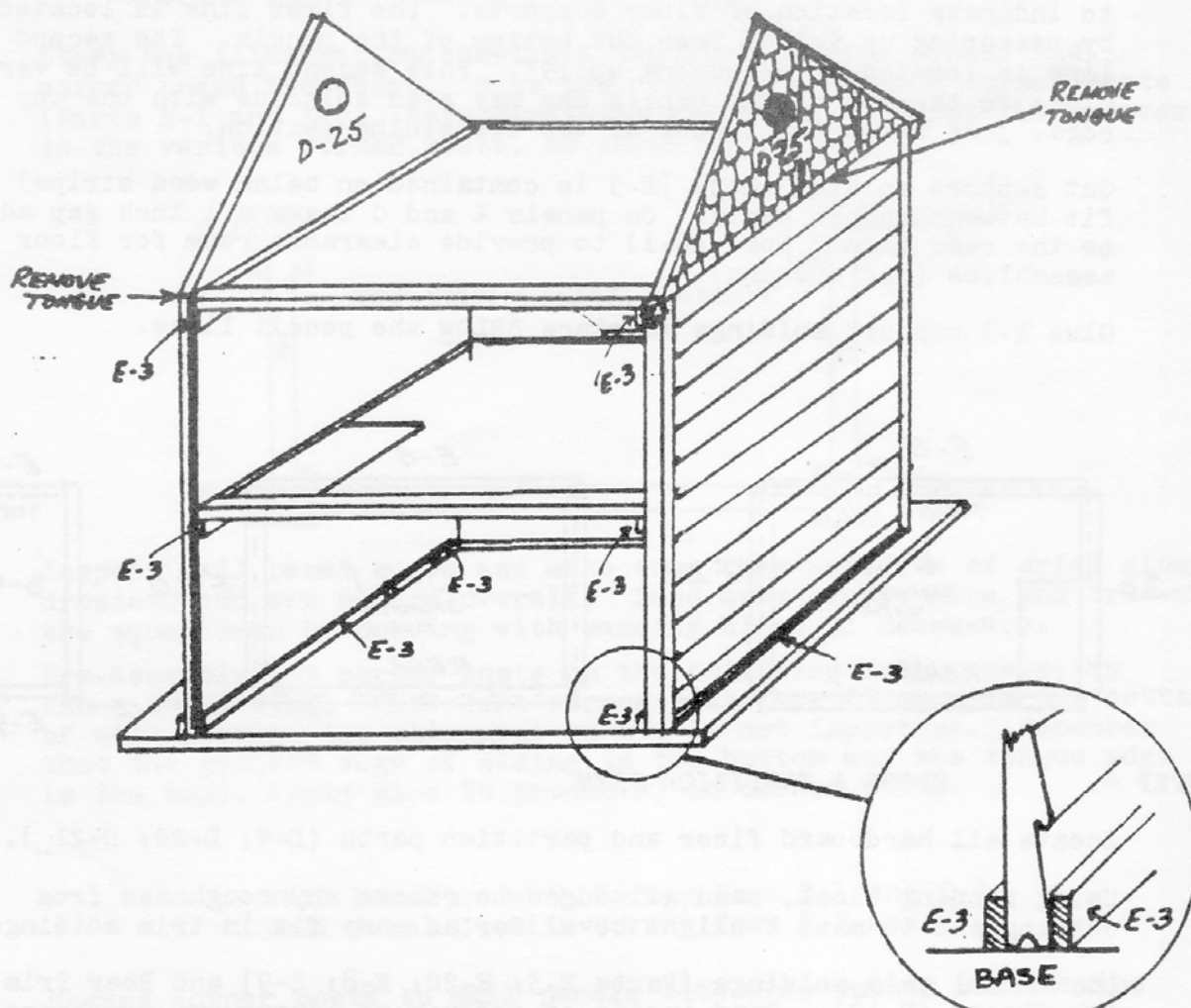
STEP 5

ASSEMBLY OF WALL SECTIONS

Remove rubber bands from wall section assemblies from STEP 3.

Study again the drawing of Wall Layout as shown in STEP 2.

Glue wall sections together, assembling one corner at a time. Make sure that you keep the assembled sections square (check with carpenter square). Apply pressure to keep sections snugly in grooves of corner posts and hold in place with masking tape or clamps until glue dries.



STEP 6 SECOND FLOOR INSTALLATION & ATTIC FLOOR

Check Second Floor (D-12) for proper fit on top of supports installed in STEP 4. You may have to notch out hardboard in front corners (using razor knife) to fit around corner posts.

Apply glue to floor supports on front and end panels and install second floor (with smooth side of hardboard up). The floor should fit firmly against the front and end walls; hold in place by wrapping string around entire house and tying securely.

Repeat this procedure to install the Attic Floor (D-2). Notch corners of hardboard to fit around corner posts as before.

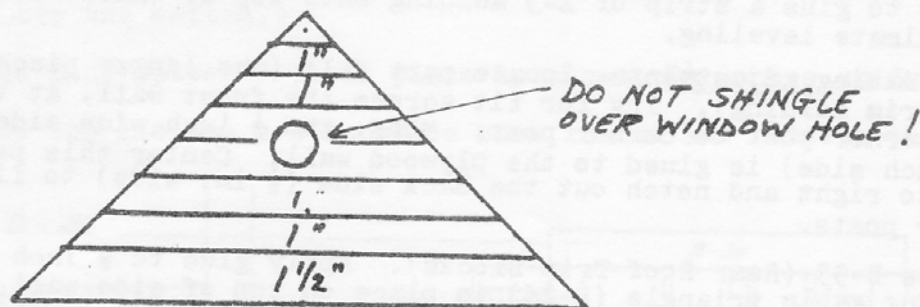
STEP 7

INSTALLATION OF ROOF GABLES--Applying Shakes

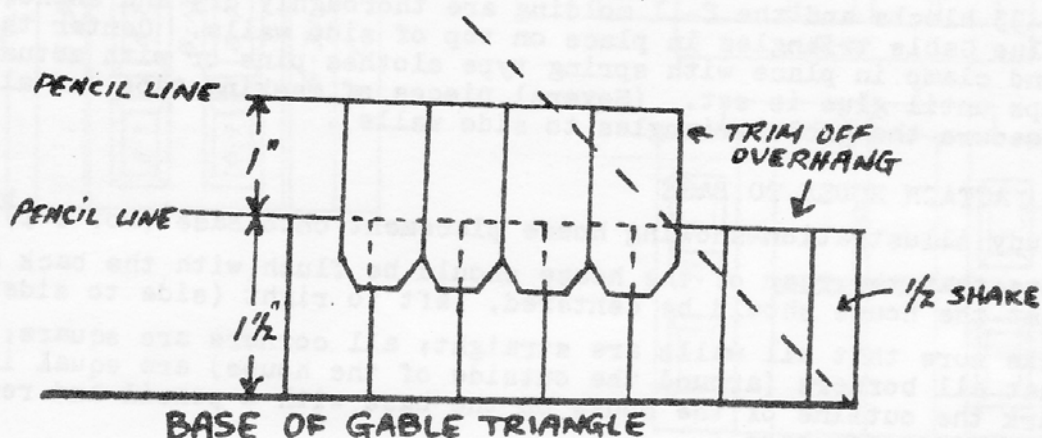
Locate two Gable End triangles (D-25)

On the rough side (or the side with defects, in the case of plywood measure 1-1/2 inches up from the base of the triangle (longest side) and draw a pencil line, the entire length from left to right.

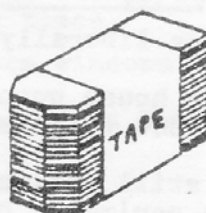
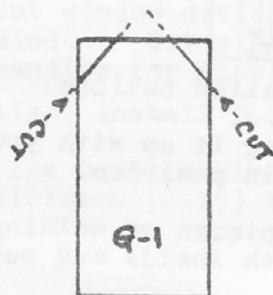
From this line, measure up 1 inch and draw another line. Continue to draw lines, spaced 1 inch apart, all the way up to the peak of the triangle (See drawing)



Starting with half a shingle (cut lengthwise), glue a row of plain shingles (G-1) across the base of the triangle. Make sure shakes are flush with the bottom; allow them to hang-over the other edges for trimming later. Allow glue to dry while proceeding to make fancy "fish-scale" shingles, for the rest of the gable.



Fancy shingles are made by cutting off two corners of a plain shingle using a sharp scissors (see diagram). HINT: You may find it easier to bundle-up 20 or 30 shingles into a neat and square bundle, secured tightly with masking tape. Take this bundle and cut the corners off with a razor knife; then sand to uniform size by rubbing the bundle of shakes on your sanding block. Remove the tape, and you have made many fancy shakes at the same time



Proceed to apply fancy shakes to Gable Panels (D-5). Note in the detail drawing how each row of shakes overlaps the row below. Each shake is centered over the seam (joint) between two shakes below it in the next lower row.

After glue is thoroughly dry, trim overhanging shakes, using the razor knife.

INSTALLATION OF ROOF GABLES to end walls.

Trim or sand down corner posts so that both side walls and front plywood wall are fairly uniform in height. It may be necessary to file off the top tongue of side wall siding. Also, it may be necessary to glue a strip of E-3 molding onto top of walls to achieve approximate leveling.

After making adjustments, locate part E-11 (the longer piece of front wall trim molding). Try for fit across the front wall, at the very top, from corner post to corner post. NOTE: the $\frac{1}{2}$ inch wide side (not the $\frac{3}{4}$ inch side) is glued to the plywood wall. Center this part from left to right and notch out the back side ($\frac{1}{2}$ in. side) to fit over corner posts.

Locate parts B-33 (Rear Roof Trim Blocks). Apply glue to $\frac{1}{2}$ inch side. While holding gable triangle (D-25) in place on top of side wall, glue one B-33 block onto rear corner post (E-1) so that the $\frac{3}{4}$ in. side of the block is flush with the underside of the triangle. Attach the remaining B-33 block to the other wall in the same manner.

Now proceed to attach the Front Wall trim molding (E-11). Apply glue to $\frac{1}{2}$ inch side; and while holding a gable triangle in place, position E-11 so that the $\frac{3}{4}$ in. side is flush with the underside of the triangle.

When both B-33 blocks and the E-11 molding are thoroughly dry and anchored in place, Glue Gable triangles in place on top of side walls. Center the triangles and clamp in place with spring type clothes pins or with actual spring clamps until glue is set. (Several pieces of masking tape can also be used to secure the gable triangles to side walls).

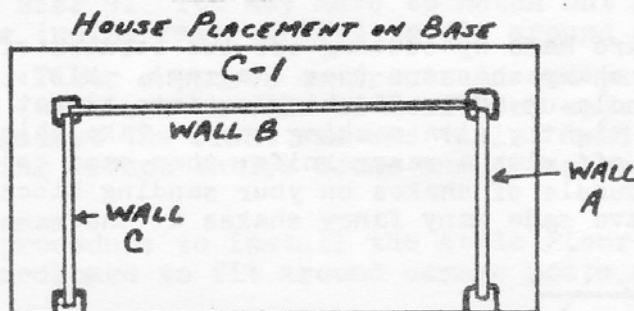
STEP 8

ATTACH HOUSE TO BASE

Study illustration showing house placement onto Base (No. C-7).

Note that the rear of the house should be flush with the back and that the house should be centered, left to right (side to side).

Make sure that all walls are straight; all corners are square; and that all borders (around the outside of the house) are equal in size. Mark the outline of the house on the base with a pencil and remove the house from the base.



Apply white glue liberally within the penciled outline.

Re-position the house onto the base; lining it up with your pencil marks. Use weights to hold house in position.

While glue is still wet, cut and install pieces of molding (E-3) all around the perimeter of the house, both inside and out. Set aside to dry.

STEP 9.

FRONT DOOR ASSEMBLY

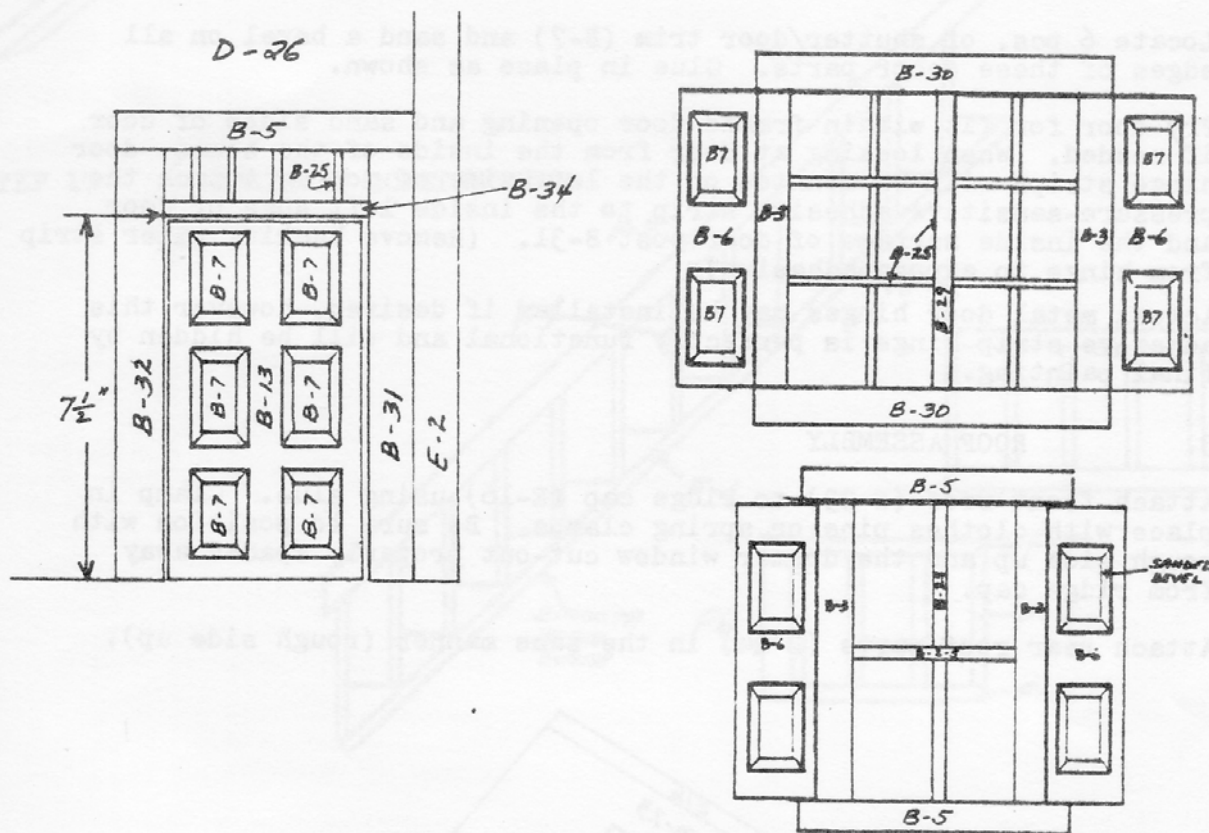
Locate Door Parts: B-31; B-32; B-34; and 2 pcs. B-5. Study drawing to learn placement of door parts.

Glue Door Post B-31 onto Corner post E-2 as shown.

Sand groove in B-32 Casing for easy fit onto plywood. Apply glue in groove and position as shown (Use Door Spacer B-34 to adjust placement of B-32 Casing so that door opening is square and uniform at top and bottom.)

Glue Door Spacer B-34 in place as shown, 7½ inches up from Base.

Glue top casings B-5 in place both inside and outside the house.



STEP 10.

WINDOW INSTALLATION

Install window side casings (B-3) to all windows, with glue.

Install top and bottom casings (B-5 or B-30) both inside and out.

Glue B-29 in place, in the center of the large window.

Cut window divider strip (balsa strip B-25) to length for each window. Cut slightly oversize and custom fit for each window by sanding for final size. Glue in place.

Also, install D-25 to make transom windows above door.

Glue Octagon Windows (B-27) in place on Gable triangles. Install dividers (B-25) to suit.

STEP 11 SHUTTERS

Punch-out Shutters (B-6) and sand edges.

Locate shutter decor pieces (B-7); Sand a bevel on all edges and glue in place as shown.

Do not attach shutters to house at this time since it is better to paint them first. But note their placement, as shown.

STEP 12. DOOR INSTALLATION

Sand edges of door (B-13), slightly rounding edges.

Locate 6 pcs. of shutter/door trim (B-7) and sand a bevel on all edges of these decor parts. Glue in place as shown.

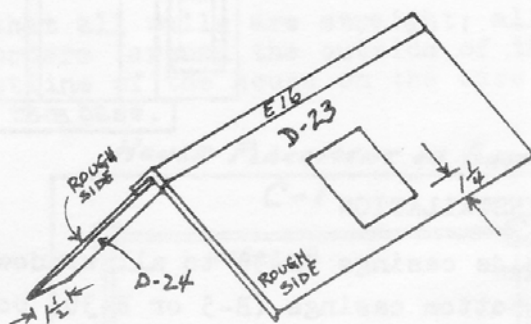
Try door for fit within framed door opening and sand sides of door if needed. When looking at door from the inside of the house, door hinge strips will be mounted on the left side of door. Attach the pressure-sensitive adhesive strip to the inside left edge of door and the inside surface of door post B-31. (Remove backing paper strip from hinge to expose adhesive).

Actual metal door hinges may be installed if desired, however this adhesive strip hinge is perfectly functional and will be hidden by final painting.

STEP 13. ROOF ASSEMBLY

Attach front roof (D-23) to ridge cap (E-16) using glue. Clamp in place with clothes pins or spring clamps. Be sure to position with rough side up and the dormer window cut-out properly spaced away from ridge cap.

Attach rear roof parts (D-24) in the same manner (rough side up).



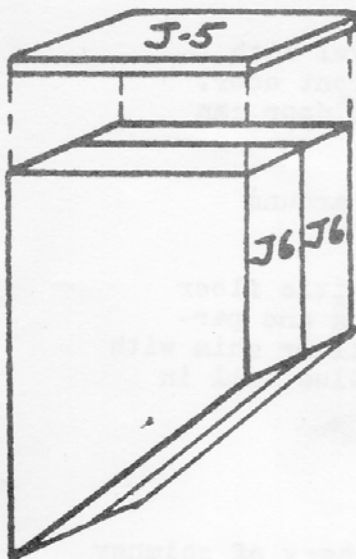
STEP 14 ATTACHING ROOF

Try (without glue) the fit of the main roof assembly to the Gables.

Apply thickened white glue to all contact points and install roof in place. Hold tightly in place with tape or weights.

STEP 16

CHIMNEY CONSTRUCTION

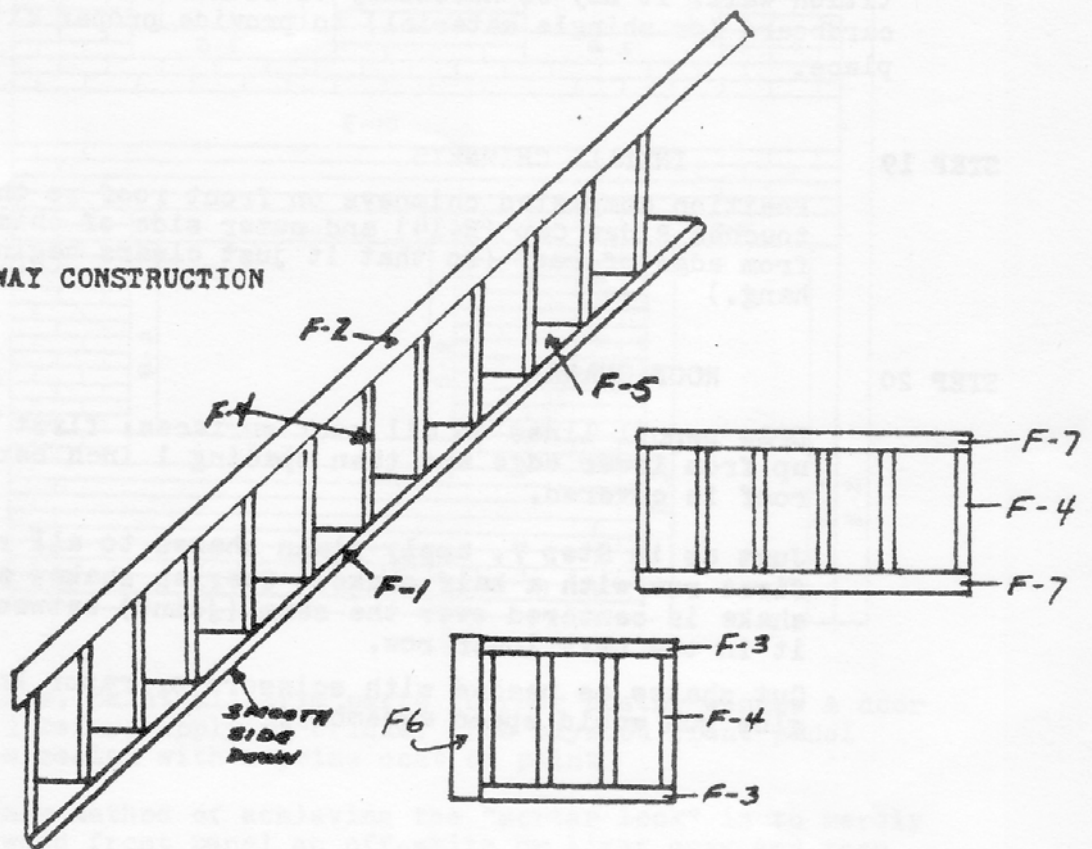


Glue together two Chimney Blocks (J-6) and glue the cap part (J-5) centered on top, as shown.

Sand the edges and flat surfaces of the chimneys, after glue is dry. Paint the chimneys or cover with brick/stone paper and set aside for installation later.

STEP 17

STAIRWAY CONSTRUCTION



Apply glue to longest side of stair steps (F-5) and glue in place on hardboard base (F-1) on rough side. Space steps evenly to cover entire base.

Glue bannister posts (F-4) in place on left side of stair. Let dry.

Carefully glue on bannister (F-2) so that it is flush with the post on the bottom step and overhangs above the top step.

Assemble a 3 inch railing section, as shown, including F-6 spacer.

Assemble a 5-11/16 inch railing section, as shown.

STEP 18

PARTITION & STAIRWAY INSTALLATION

Glue assembled stairway in place so that top step is level with rear floor trim (E-12) and bottom of stairway is near front door. Some sanding may be needed for proper fit. Be sure that door can be opened, clearing stairway.

Glue the two railing sections in place on second floor, around opening.

Position Partition wall (D-4) between second floor and attic floor allowing for a 2 inch hallway between the 5-11/16 railing and partition wall. It may be necessary to either sand this wall or shim with cardboard (or shingle material) to provide proper fit. Glue wall in place.

STEP 19

INSTALL CHIMNEYS

Position completed chimneys on front roof so that back of chimney touches Ridge Cap (E-14) and outer side of chimney is $1\frac{1}{2}$ in. in from edge of roof (so that it just clears beginning of roof overhang.)

STEP 20

ROOF SHAKES

Draw pencil lines on all roof surfaces; first line $1\frac{1}{2}$ inches up from lower edge and then spacing 1 inch between lines until roof is covered.

Just as in Step 7, apply plain shakes to all roofs. Start each first row with a half shake. Overlap shakes and make sure each shake is centered over the seam (joint) between two shakes below it in the next lower row.

Cut shakes as needed with scissors or razor knife. An electric glue gun would speed assembly.

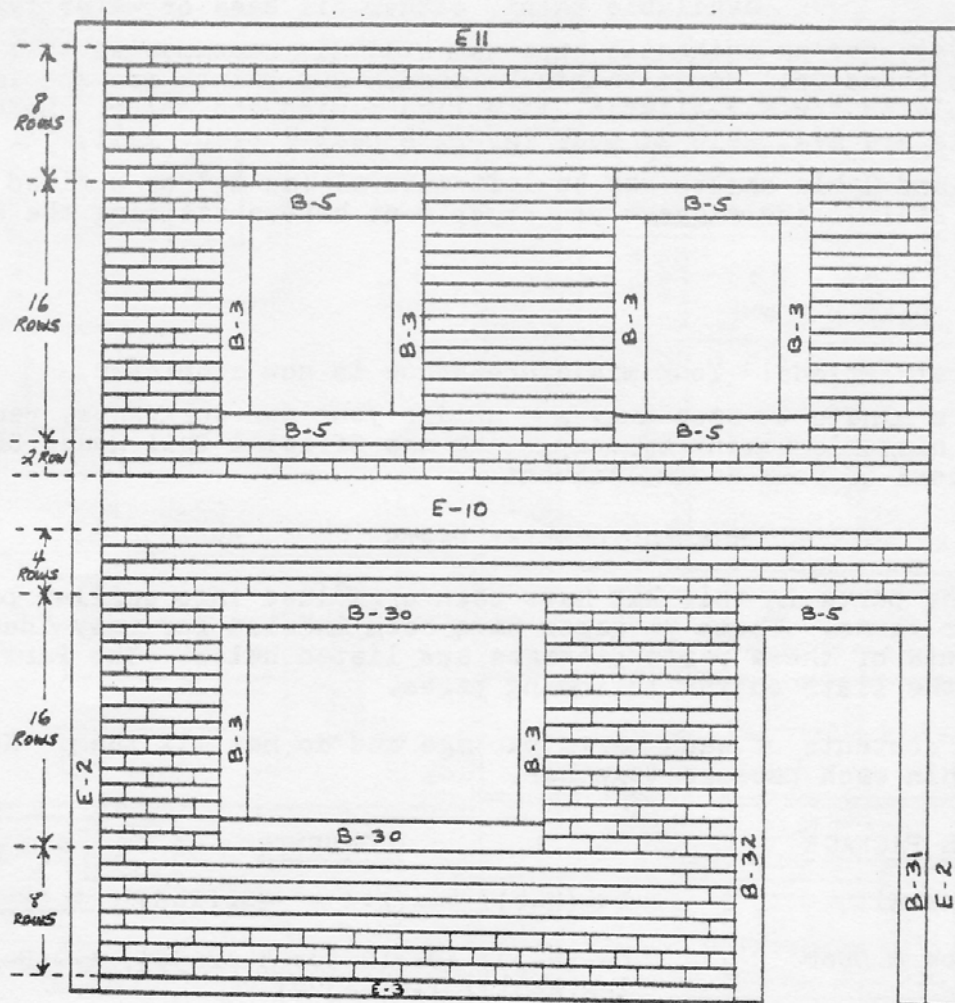
STEP 21

BRICK FRONT

Draw a pencil line across the front of plywood panel, measured 9 inches up from base. Apply glue to $\frac{3}{4}$ in. face of molding E-10 and attach to plywood front so that pencil line is BELOW bottom edge of molding. (NOTE: Before gluing, check for fit between the cornerposts).

The bricks provided may be cut apart with razor knife and glued in place as is.

However, for a more authentic look, it is suggested that the bricks be painted and a mortar mix be used. A realistic "old brick" look can be achieved by using several different colors, including: bright red; rust red; tan; maroon; white; black; gray; light orange. Cut the bricks into strips and paint them these varied colors. When paint is dry, cut apart individual bricks and mix them together to make a random assortment of brick colors. Apply these bricks at random.



For best results, paint all trim parts (corner posts, window & door casings, etc.) before applying bricks. The plywood front panel should also be sealed with a prime coat of paint.

A quick and easy method of achieving the "mortar look" is to merely paint the plywood front panel an off-white or light gray and then glue the bricks in place.

Again, for more realism, apply a thin coat of mortar mix (Model Homes Doll House Brick Mortar or similar brand) to the plywood panel. Using a tweezers, push the bricks, one at a time, into the mortar, allowing a little mortar to ooze out between bricks and between rows.

Make sure that bricks are applied in level rows. Leave about 1/16th inch of space between bricks and rows. A brick placement guide is provided to help you lay-out the brick pattern.

STEP 22 FINISHING TOUCHES

Cut and install shake trim mold (balsa strip G-2) to end gables, front of dormer roof; along top ridge of dormer roof. Glue in place and secure with tape until dry.

PAINTING TIPS: Your completed Doll House can be painted with any available paint, either oil base or water type.

However, for an authentic appearance, it is recommended that Model Homes brand Doll House Paints be used. Our paints are specially formulated for a realistic, life-like finish and color. Model Homes paints are available at your favorite dealer or by mail.

Roof and Gable shakes may be left natural (as is) or stained with wood stain. (We suggest you experiment before staining the entire roof!)

STEP 23 "TAKE A BOW"

Congratulations! Your miniature house is now completed.

Take a minute to step away and admire your own work. Now, record this historic moment by completing the Official Doll House DEED-- a record of your accomplishment.

HOW TO IDENTIFY PARTS

Many of the parts in this kit have been organized into smaller packages of similar parts. These packages have been labeled for easy identification. The contents of these parts packages are listed below. The Part numbers refer to the lists on the following pages.

Check the contents of each parts package and do not mix them. Keep all the parts within each package together.

<u>PARTS PACKAGE</u>	<u>CONTENTS</u>
Dormer Kit	1--(K-4); 4--(K-5); 4--(K-6)
Window & Door	6--(B-3); 10--(B-5); 4--(B-30); 1--(B-29); 1--(B-31); 1--(B-32);
Shutters & Misc.	6--(B-6); 18--(B-7); 1--(F-6); 2--(F-7); 6--(F-4); 2--(B-33)
Stairway Kit	1--(F-1); 1--(F-2); 2--(F-3); 16--(F-4); 12--(F-5)
Door & Chimney	1--(B-13); 2--(J-6)

Some parts are contained in plywood sheets which have been die-cut. Carefully press out these parts as needed. If parts do not press out easily, cut along the die-cut with a rezor knife to free part.

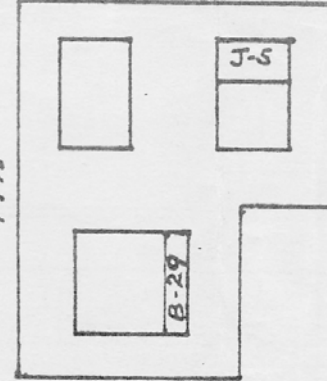
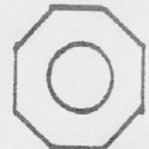
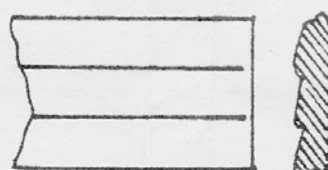

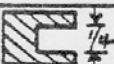



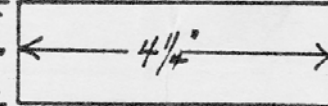

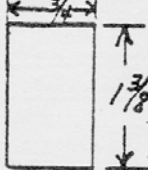
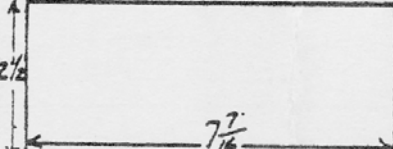
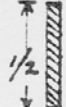
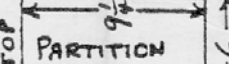
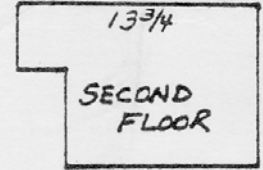
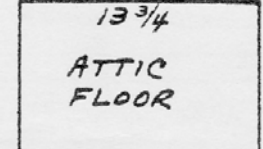
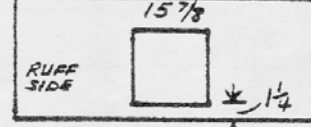
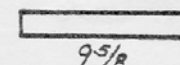
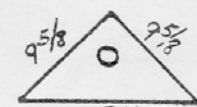
MISSING OR DEFECTIVE PARTS?

Every effort has been made in the manufacture and packing of this kit to insure an adequate supply of parts. If however, you find that a part is missing or defective, please WRITE TO US DIRECT.


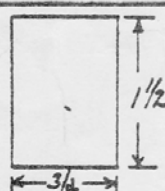

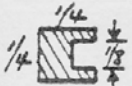
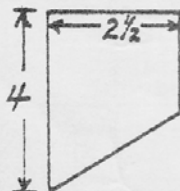
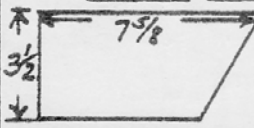
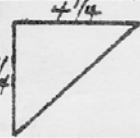
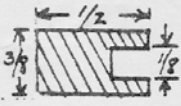

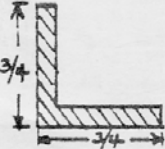
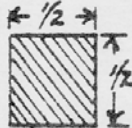




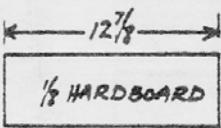

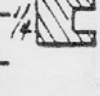



Send us a complete description of the part involved and its PART NUMBER. Include also the Name and Model Number of this kit.

All parts will be shipped promptly by Third Class mail or Parcel Post. (Allow 2 to 3 weeks for delivery) If quicker delivery via First Class mail or United Parcel Service is requested, please enclose \$1.00 for such expedited delivery service.

PARTS LIST

Part No.	14	QTY	Part No.	B-34 $3/16 \times 1/2 \times 2 1/2$ long Door Spacer	1
D-26	 FRONT WALL 3/16 plywood	1	B-27	 Octagon Window	2
A-7	 Siding 11 1/2" long	24	B-29	 $3/16 \times 1/2 \times 4 1/4$ long (From D-26 die-cut)	1
B-3	 $1/2 \times 1/2$ Window Side Casing 4 1/4" Lg.	6	B-31	 $8 7/16$ long Door Post	1
B-5	 $1/2 \times 1/2 \times 3 1/2$ long Top Door Casing Window Casing--Top & Botm.	10	B-32	 $8 7/16$ long Door Side Casing	1
B-6	 $1 1/8$ thick Shutters	6	B-33	 $1/2 \times 3/4 \times 1/2$ long Rear Roof Trim Block	2
B-7	 $3/4 \times 1 3/8$ thick Shutter Trim	18	C-7	BASE (Particle Board) 14 x 15-7/8	1
B-13	 $2 1/2 \times 7 7/16$ Door 1/4 thick	1	FLOORS, PARTITIONS, ROOFS (Hardboard or plywood)		
B-30	 $1/2 \times 1/8 \times 1/2 \times 5-3/8$ long Large Window Top & Botm. Casing	4	D-4	 $2 1/2 \times 9$ PARTITION	1
B-30			D-20	 $13 3/4 \times 11 1/4$ SECOND FLOOR REAR	1
			D-21	 $13 3/4 \times 11 1/4$ ATTIC FLOOR	1
B-30			D-23	 $15 7/8 \times 9 3/4$ FRONT ROOF RUFF SIDE	1
			D-24	 $1 1/2 \times 9 5/8$ REAR ROOF	2
B-30			D-25	 $9 5/8 \times 7 5/8 \times 13 1/2$ GABLE END	2

PARTS LIST

<u>TRIM & FRAME PARTS</u>				<u>ROOF SHAKES & TRIM</u>			
E-1		$\frac{1}{2} \times \frac{1}{2} \times 19\frac{1}{2}$ long REAR CORNER POSTS	2	G-1			
E-2		$\frac{1}{2} \times \frac{1}{2} \times 19\frac{1}{2}$ long FRONT CORNER POSTS	2	<u>CHIMNEY PARTS</u>			
	Hardboard Trim			J-5	1-1/2 x 2-3/4 ($\frac{1}{4}$ thick) CAP (from D-26)	1	
E-5	Floor Trim	13-3/4"	2	J-6		3/4 pine	2
E-20	Floor Trim	10-3/4"	4	<u>DORMER PARTS</u>			
E-8	Partition Trim	9 1/2"	2	K-1		Dormer Roof	2
E-9	Partition Trim	5-11/16	2	K-2		Dormer Sides	2
E-12		REAR FLOOR TRIM 13 3/4" long	2	K-3		Dormer Front	1
E-16		ROOF RIDGE CAP 15 7/8" long	1	K-4		4" long Dormer Ridge Block	1
E-10		Front Wall Trim 13 3/4	1	K-5		4/8 long Dormer Frame	4
E-11		Front Wall Trim 14 5/8	1	K-6		2 1/2 long Dormer Window Trim	4
<u>Full STAIRWAY Parts</u>				<u>BALSA MOLDINGS</u>			
F-1		12 7/8 3 1/8 HARDBOARD BASE	1	<div style="display: flex; flex-direction: row-reverse; align-items: center; gap: 5px;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">G-2 SHAKE MOLD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">E-3 BASE MOLD</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">E-3</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">E-3</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">E-3</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">8 1/2 WINDOW</div> </div>			
F-2		13 1/4" Bannister	1				
F-3		3" Railing	2				
F-7		5 11/16 Railing	2				
F-4		2" long DOWELS Banister Post	22				
F-5		3" long Steps	12				
F-6		2" Spacer	1				