

Dura-Craft, Inc.

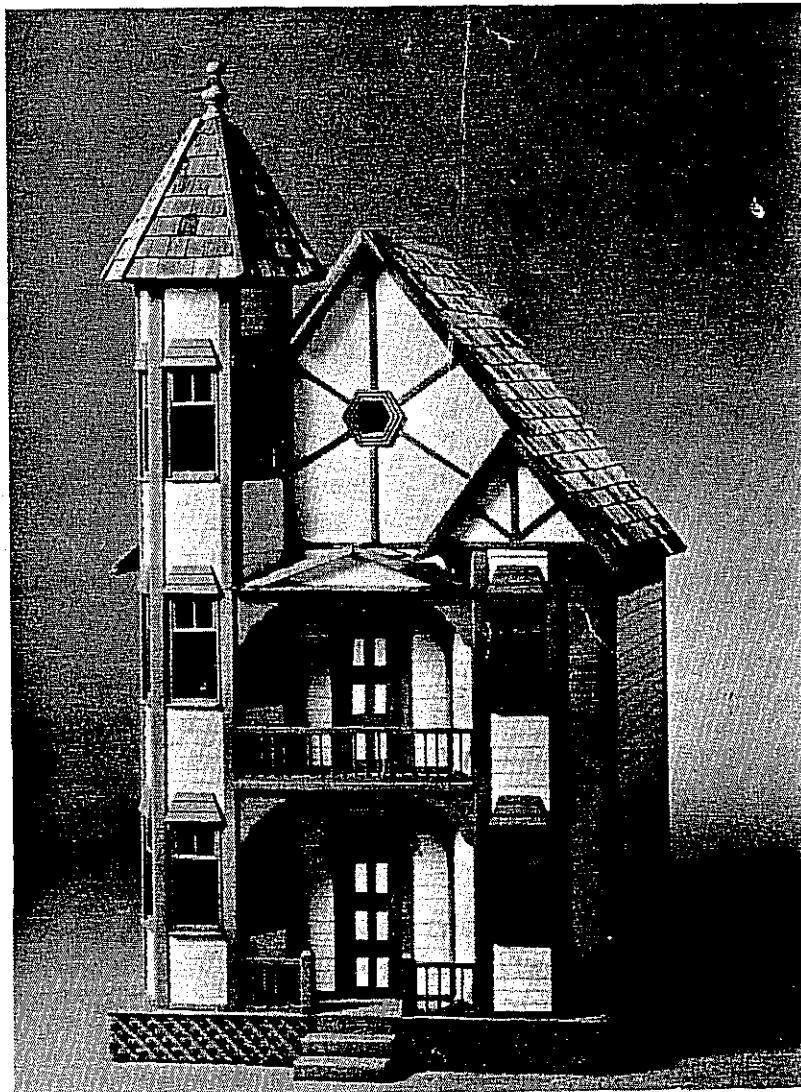
P.O. Box 438 • Newberg, Oregon 97132
Phone: (503) 538-3136

Assembly Instruction

SF-550
SAN FRANCISCAN
MINIATURE HOUSE KIT

FINISHED SIZE 18" X 22" X 43"

SCALE: 1":1'





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P.O. Box 438 • Newberg, Oregon 97132
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SF-550 SAN FRANCISCAN MINIATURE HOUSE KIT

Congratulations on selecting a miniature house kit manufactured by Dura-Craft, Inc., the leader in the industry.

All pine parts used in our kits are manufactured from the finest kiln dried Ponderosa Pine. We pride ourselves on our high quality and workmanship. Each piece is graded and sorted at several different stages to ensure that you receive the finest quality.

The houses manufactured by Dura-Craft are not modeled after any specific existing houses. Rather they are composites of several different houses, to give you what we feel is a true and accurate representation of the houses of their

style and era.

A Dura-Craft miniature house is a **complete** kit. This means that you do not have to purchase separately items such as siding, window glass, and split cedar shakes, which are a basic part of a house. Your finished house will be ready for painting, wallpapering, and decorating. Dura-Craft does not sell the materials for decorating; however, they should be available through the store where you bought your kit.

Your finished house will be of heirloom quality, of which you will be justly proud, if ample time and care are used in its construction and finishing.

GENERAL INSTRUCTIONS

There are several construction tips that will help you avoid some problems when you build your miniature house.

An important thing to keep in mind about the kit parts: First, they are made of wood. Wood shrinks and expands according to the humidity. We have found that the siding is most sensitive to dimension changes due to humidity. All siding used in Dura-Craft miniature houses is made from the finest kiln dried Ponderosa Pine. However, as a result of changes in siding dimensions brought on by humidity changes, ~~when a wall is assembled with a water base glue, some swelling will occur. Wall panels should be left in a warm dry room at least 24 hours before corner posts are attached.~~ This will prevent walls from cracking. At no time should the house be placed in a cold damp area.

If there is a minor cracking problem, there is a simple solution. A thick bead of white glue should be run into the gap. Wipe off any excess glue and allow to dry. If necessary, repeat this step until the gap is filled. When the house is

ainted, there will be no evidence of the gap. ~~We recommend good quality OIL base paint be applied on any siding to be~~

~~ted.~~
Your Dura-Craft miniature house has been designed so

that you can assemble it with a minimum of difficulty. Some steps require that careful attention be paid to using the correct part.

The kit has been packaged in a way that should assure that all parts are present. The major parts such as siding are easily identified. Other parts will be identified as you go along checking the parts.

There are several steps that must be followed to make the assembly of your house easier. The first is to read through the instructions carefully to get a feeling for the assembly process. Next, using the parts list and parts drawings, check the parts and group them according to the categories used on the parts list. As you do this, you will become familiar with the parts. Also, if any parts are missing or damaged, they can be replaced by Dura-Craft quickly, so that your assembly process will not be held up. Please refer to the missing parts and broken parts order form.

~~Wall panels do not come assembled in the kit. Follow instructions to assemble wall panels.~~

NOTE: For shortages or broken parts write directly to Dura-Craft, Inc. for replacement, using the form on the last page of this manual.

SUBASSEMBLY NO. 1 WALL PANELS

1. Prepare your tools and materials. You will need the following items to complete this assembly:

- framing square
- ruler or tape measure
- pencil
- several larger books
- dispenser of woodworking glue
- masking tape
- roll of waxed paper

2. Locate the parts. You will need the following parts:

1-2	Siding 14"	24 pieces
1-4	Siding 3"	81 pieces
1-11	Siding 2"	16 pieces
1-30	Siding 3" 30°	1 piece
1-31	Siding 7"	4 pieces

3. Prepare the parts for assembly. Finish sanding the wood surfaces to remove splinters and rough spots.

4. Pre-assemble the siding *without* glue. Lay the pieces flat side down, as shown in Figure *1. The tongue is on the top edge of each board.

5. Use the framing square to insure that the ends of the side pieces are properly aligned. Measure the widths of the door openings very carefully (wall panel 1-H) and make light pencil marks at the top of each opening. The proper width of the door opening is 3".

6. Prepare an area for gluing. You will need a hard flat surface at least three feet by four feet in size. Select a location where the wall panels will not have to be disturbed for several hours after gluing. Tape waxed paper over the entire surface.

7. Use the following technique for gluing the wall panels: Apply a thin bead of glue to the tongue then seat it in the groove. Immediately wipe off any surplus glue that squeezes out, using a *damp* but not *wet* cloth. Assemble the panels **flat side down** on the waxed paper. The panels should be assembled in sections that can be handled easily, as outlined below.

8. Begin with the ground floor section (*the first six layers*) of wall panels 1-A, 1-C, 1-D, 1-H, 1-I, 1-K and 1-L as shown in Figure *1. Make sure that all parts on wall panel 1-H are arranged in the proper sequence relative to the pencil marks for the door as described in step 5.

9. Assemble wall panel 1-B using three pieces of siding 1-4 and 1 piece siding 1-30. It is critical that the tongue be toward the top of each piece.

10. Assemble 10 sections of siding 1-4 (3 pieces) and 4 sections of siding 1-4 (2 pieces) as shown in Figure *1. These sections will be used later in assembling wall panels 1-E, 1-F, 1-G and 1-J.

11. Make sure that all joints are tight and that the edges of the wall panels are square and flush. Place weights on the panels as you finish them. Allow about an hour for

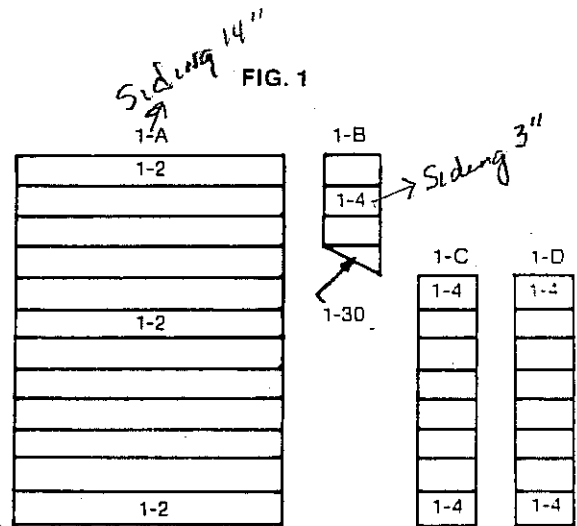
the glue to set before moving or adding to the panels.

IMPORTANT: *If you must leave the wall panels incomplete for more than two or three hours during this phase of construction, stand them on edge to allow air to circulate around both sides. This will minimize the likelihood of warping.*

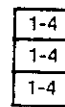
12. Add the second story section to wall panels 1-A, 1-C, 1-D, 1-H, 1-I, 1-K and 1-L. As before, be sure all parts are arranged in the proper sequence with all edges square.

13. Be sure all joints are tight, then carefully place weights on the wall assemblies. Allow about an hour for the glue to set before moving the panels.

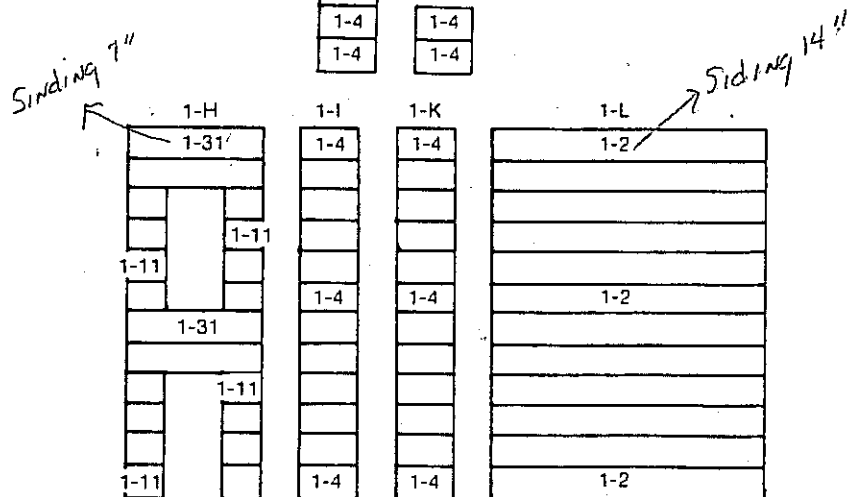
14. Stand the wall panels on edge to allow the air to reach both sides. Let the wall panels dry for 24 hours.



"MAKE 10 SETS"



"MAKE 4 SETS"



SUBASSEMBLY NO. 2 STANDARD WINDOWS

1. Prepare your tools and materials. You will need the following items to complete this subassembly:

dispenser of woodworking glue
tube of model airplane cement
utility knife
100 grade (med.) sandpaper
pencil
ruler or tape measure
roll of waxed paper

2. Locate the parts. You will need the following parts to complete this subassembly:

2-22	Window side casing	22 pieces
2-30	Top & Bottom window frame	22 pieces
? — 5-49	Window divider stock	9 feet — ?
6-20	Window pane	11 pieces

3. Using the model airplane cement, glue the top and bottom window frames (part no. 2-30) to the top and bottom edges of the windows. Be sure the window is fully seated in the groove and centered from side to side, as shown in Figure *2.

4. Using model airplane cement, glue the window side casings (part no. 2-22) to the sides of the windows. Make sure that the side casings contact the top and bottom frames at all four corners. Lay the assembly face-down while the glue dries.

5. After the glue from the preceding steps has dried, check the corners to make sure the side casings are flush with the top and bottom frames. Sand them, if necessary, to make them flush.

6. Turn the windows face-up and install the window dividers (part no. 5-49). They may be installed in any pattern to create whatever style of window you desire (Figure *2). Cut the window dividers to the required lengths, and glue them to the outside of the windows with model airplane cement.

FIG. 2 (cont.)

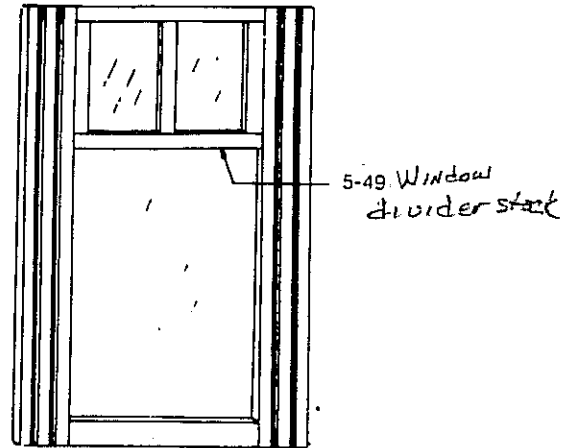
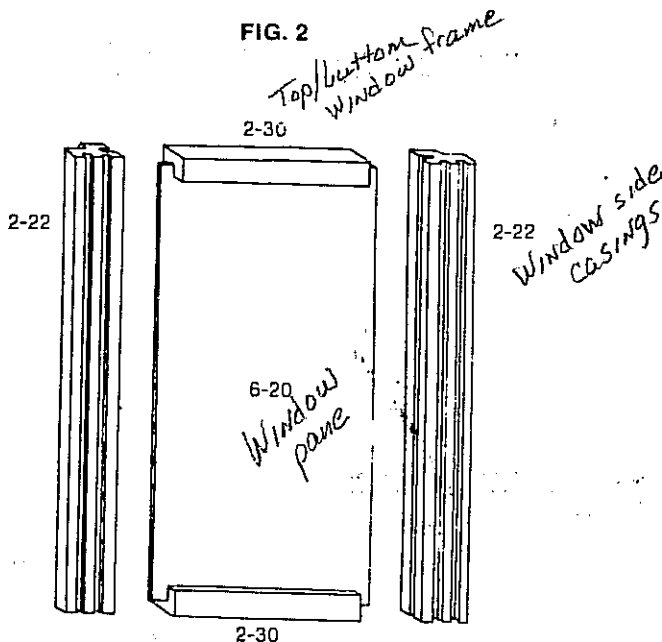


FIG. 2



SUBASSEMBLY NO. 3 PREASSEMBLY OF TOWER & WING

1. Prepare your tools and materials. You will need the following items to complete this subassembly:

dispenser of woodworking glue
2 dozen small rubber bands
ruler or tape measure
pencil

2. Locate the parts. You will need the following parts:

5-76	Tower corner post 32 1/2"	6 pieces
5-91	Tower corner post 19 1/2"	6 pieces
	Window subassemblies	11 pieces

10 Sections of siding
(3 pieces of 3" siding per section)

4 Sections of siding
(2 pieces of 3" siding per section)

1-4 Siding 3" 1 piece

Wall panels 1-I, 1-K

3. Referring to Figure *3, assemble wall panels 1-E, 1-F and 1-G face down on a hard flat surface. Note that the corner posts are laying face down as shown in the drawing. Start with a double section of siding (3" siding 2 pieces per section) and glue between the two corner posts.

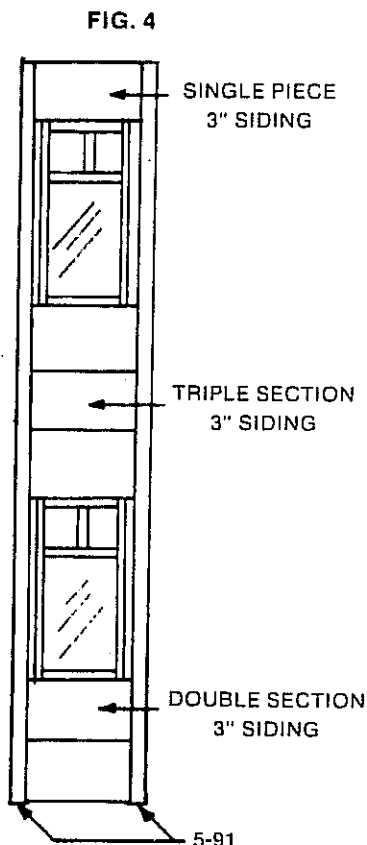
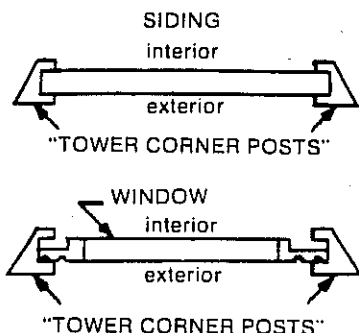
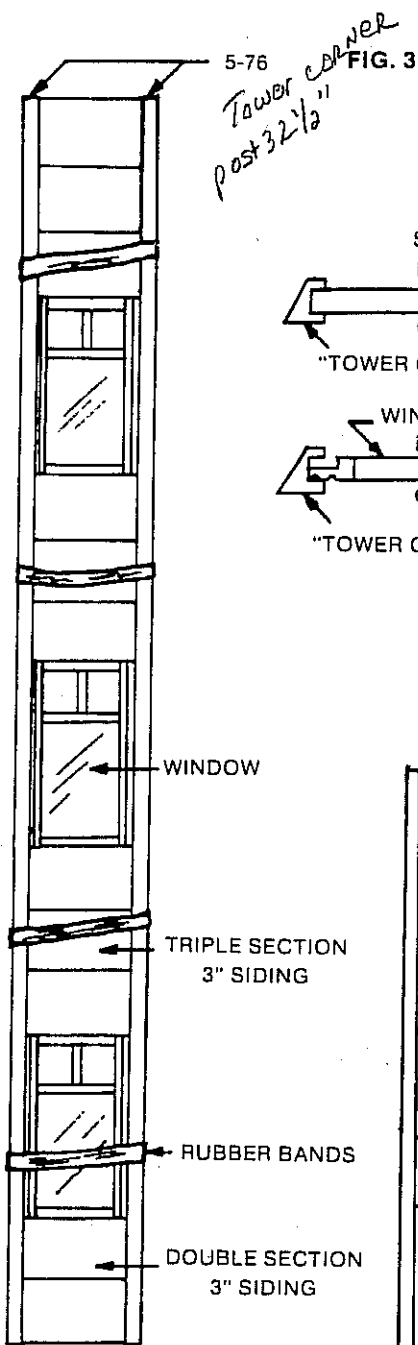
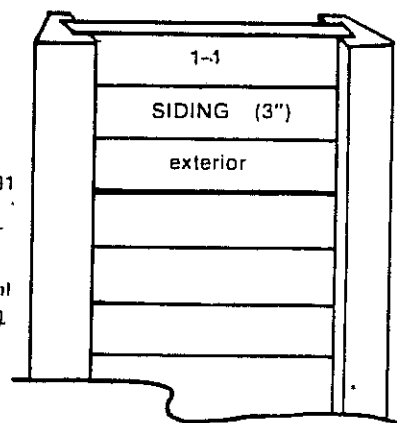
4. Glue a window assembly above the siding and then a triple section (3" siding 3 pieces per section) of siding. Complete the assembly of the wall panel as shown in Figure *3. When the assembly is completed use rubber bands to hold it together until the glue dries.

5. Using the same procedure as outlined above, assemble two more wall panels exactly like the one in Figure *3. Allow the wall panels to dry. Mark these wall panels 1-E, 1-F and 1-G.

6. Referring to Figure *4 assemble wall panel 1-J using the same procedure as outlined in step 3 above using two corner posts 19½" (part no. 5-91). Mark this panel 1-J and allow the glue to dry.

7. Attach two tower corner posts to each wall panel 1-I and 1-K as shown in Figure 5. Again make sure that the corner posts are oriented correctly with the siding panels.

FIG. 5



SUBASSEMBLY NO. 4 GABLE AND FLOOR SUPPORT INSTALLATION

1. Prepare your tools and materials. You will need the following items to complete this subassembly:
framing square
pencil
dispenser of woodworking glue
roll of waxed paper
utility knife
small plane

2. Locate the parts. You will need the following parts and subassemblies:

2-41	Gable window frame	2 pieces
10-88	Main gable	1 piece
5-46	Floor support stock	10 feet
5-102	Main gable support (right)	1 piece
5-103	Main gable support (left)	1 piece
Wall panels 1-A, 1-C, 1-D, 1-E, 1-F, 1-G, 1-H, 1-I, 1-J, 1-K, 1-L.		

3. Use the utility knife or plane to carefully shave the tongue off the top piece of siding on wall panel 1-H.
4. Spread out waxed paper on a flat surface. Apply glue to the top edge of wall panel 1-H, then lay it face up on the waxed paper. Lay the main gable (part no. 10-88) in position on top of the wall panel. Figure *6. (The face or exterior side of 10-88 has an arrow at the top of the window. The arrow points toward the peak of the gable). Allow the glue to dry.
5. After the glue in step 4 has dried, place all wall panels face down. Place them in position as shown in Figure 7A.
6. On wall panels 1-A, 1-E, 1-F, 1-G, 1-H, 1-I, 1-J, 1-K and 1-L measure up from the bottom of each panel 9-5/8" and draw a line across at that point. Draw another line at 19-3/8" up from the bottom.
7. Wall panels 1-C and 1-D do not require floor support installation.

8. Cut the floor support stock (part no. 5-46) into pieces of the following lengths:
 - 4 pieces 13" long for wall panels 1-A, 1-L
 - 12 pieces 2 1/4" long for wall panels 1-E, 1-F, 1-G, 1-I, 1-J, 1-K
 - 2 pieces 6" long for wall panel 1-H

9. Glue the floor supports on to the wall panels, as shown in Figure *7A so that the upper edges are on the previously drawn lines. Center from side to side so that there is an even gap between the ends of the floor support and the corner posts.

10. Glue the main gable support (right) (part no. 5-102) in place on the main gable (part no. 4-88) as shown in Figure *7. Glue flush with the edge of the gable. Allow to dry.

NOTE: Parts no. 5-102 and 5-103 must be glued to the interior surface of 10-88, not to the edge and not to the exterior surface.

11. Glue the main gable support (left) (part no. 5-103) in place on the main gable as shown in Figure *7. Glue flush with the edge of the gable. Allow to dry.

12. Glue one piece of the gable window frame (part no. 2-41) over the opening in the gable.

13. Use the remaining gable window frame (part no. 2-41) as a pattern and cut 1 window pane (part no. 6-20). Trim this pane slightly smaller than the window frame and glue it over the opening on the exterior side of the gable. Glue the remaining gable window frame in place over the window pane.

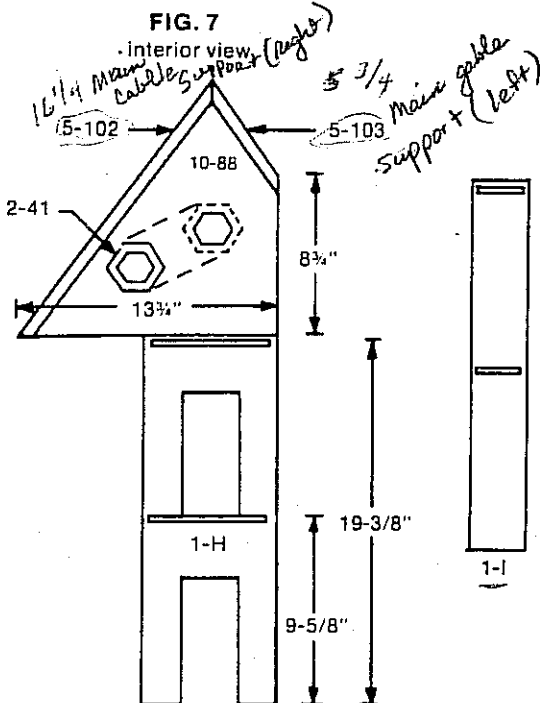
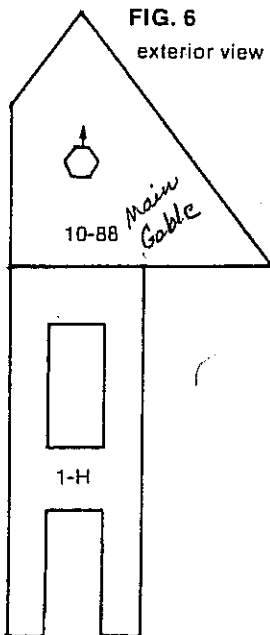
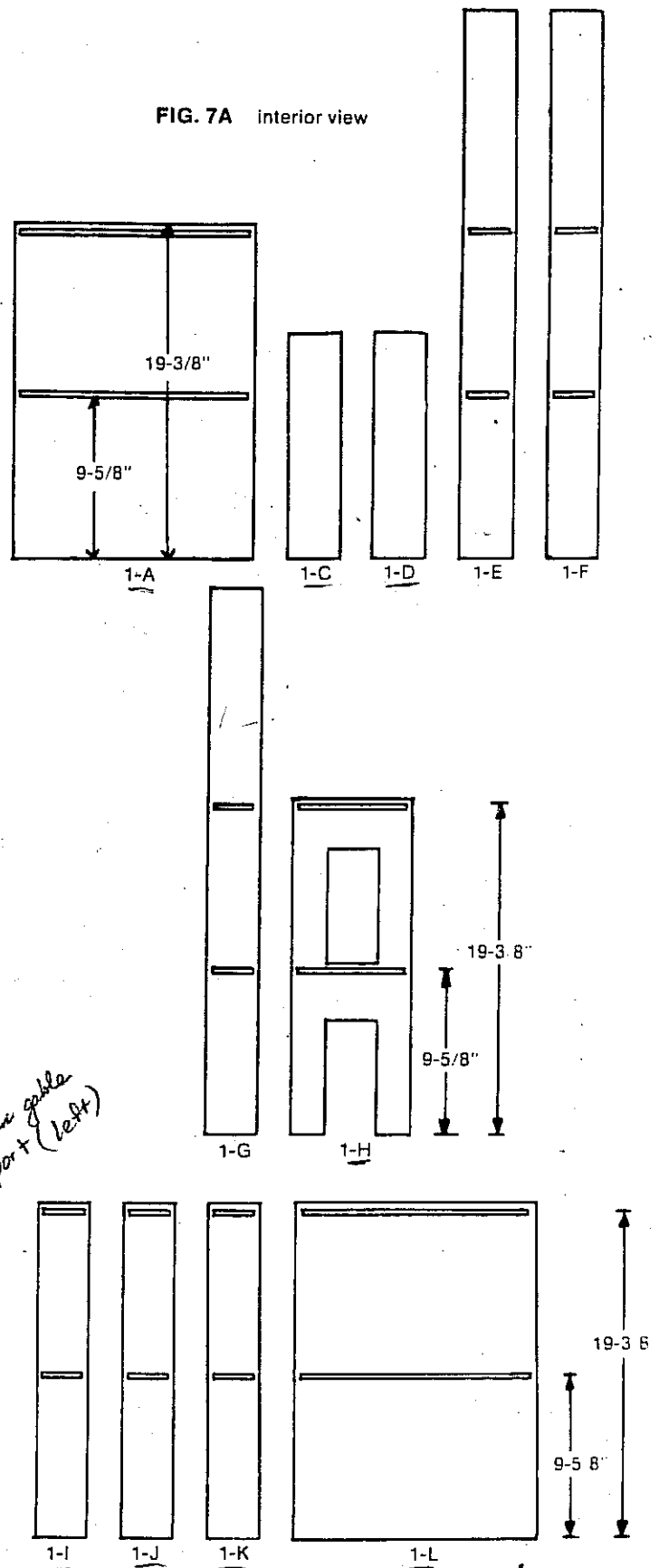


FIG. 7A interior view



SUBASSEMBLY NO. 5 STAIRWAYS AND RAILINGS

1. Prepare your tools and materials. You will need the following items to complete this subassembly:
dispenser of woodworking glue
roll of waxed paper
ruler or tape measure
pencil
2. Locate the parts. You will need the following parts:

5-70	Bannister stock	
6-2	Bannister post	58 pieces
10-13	Stairway base	2 pieces
6-14	Steps	26 pieces
3. Lay down stairway base (part no. 10-13) and spread glue evenly over the entire surface.
4. Position the bottom step (part no. 6-14) so the angle-cut side seats in the glue at one end of the stairway base, as shown in Figure *8.
5. Apply glue to the bottom (*smallest side*) of the next step, as shown in Figure *8, then lay it in place. It should be in full contact with the stairway base and the bottom step.
6. Install the remaining steps in succession, following the same procedure, spacing them evenly to fill the full length of the stairway base. Be sure all the edges are flush. Allow the glue to set.
7. Cut eight (8) 3½" pieces of bannister stock (part no. 5-70). Lay them out and make pencil marks every half inch next to the grooves. These mark the locations for the bannister posts.
8. Apply glue to the ends of the bannister posts (part no. 6-2) and install them in the bannisters as shown in Figure *9 to make four assemblies. Line up the posts with the pencil marks. Be sure the ends of the assemblies are square!!
9. Stand the stairway assembly on edge on a sheet of waxed paper, as shown in Figure *10.
10. Apply glue to the lower half-inch of the bannister posts, and lay them in position against the steps. Refer to Figure *10.
11. Cut two 12 inch pieces of bannister stock (part no. 5-70). After the glue from step 10 has dried, lift the assembly off the waxed paper. Apply a dab of glue to the end of each post, then install the bannister piece. Its lower end should be flush with the bottom post, and the upper end should overhang about an inch.

FIG. 8

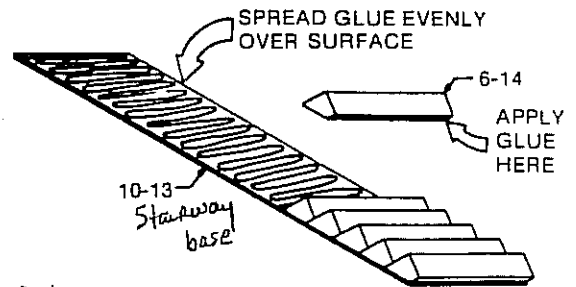


FIG. 9

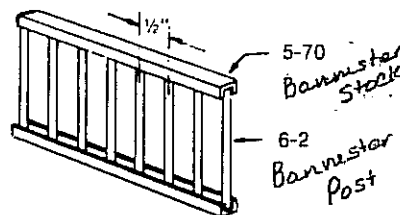
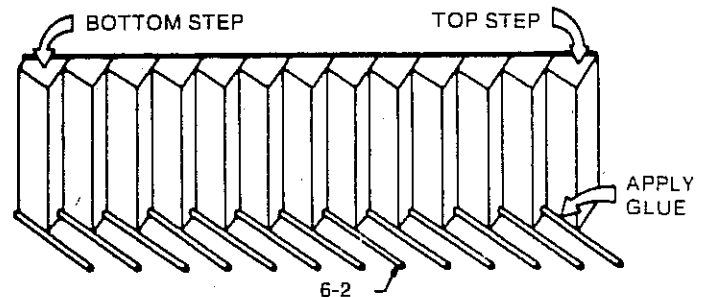


FIG. 10



SUBASSEMBLY NO. 6 HOUSE BASE

1. Prepare your tools and materials. You will need the following items to complete this subassembly:
dispenser of woodworking glue
roll of waxed paper
masking tape
100 grade (medium) sandpaper
2. Locate the parts. You will need the following parts to complete this subassembly:

3-22	Base	2 pieces
3-23	Foundation strip	2 pieces
3-24	Foundation strip	3 pieces
3. Prepare an area for gluing. You will need a hard flat surface at least 2 feet x 2 feet in size. Select a location where the assembly will not have to be disturbed for twelve hours after gluing. Tape waxed paper over the entire surface.
4. Glue the two base pieces together (part no. 3-22) as shown in Figure *11. Apply glue heavily to the mating edges, then press firmly together.
5. After the glue from step 4 has dried, glue the foundation strips (part no. 3-23) in place as shown in Figure *12.

- After the glue from step 5 has dried, glue the foundation strips (part no. 3-24) in place as shown in Figure *12. Allow completed assembly to dry overnight.

FIG. 11

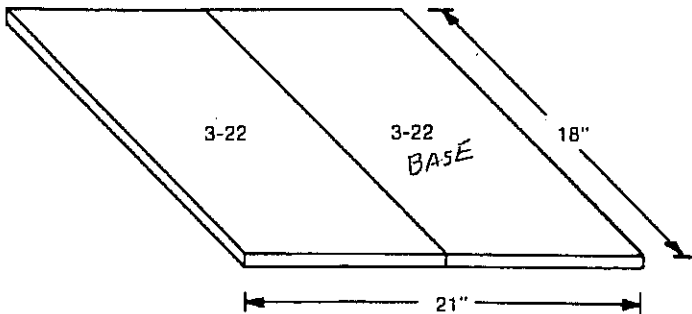
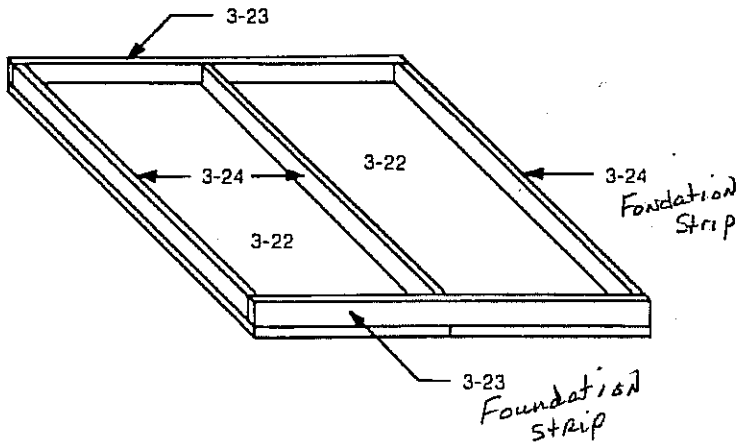


FIG. 12



FINAL ASSEMBLY PART 1 WALLS, FLOORS AND WINDOW TRIM

- Prepare your tools and materials. You will need the following items to complete this assembly:
 - dispenser of woodworking glue
 - pencil
 - "T" pins or straight pins
 - string
 - several large rubber bands
 - framing square
 - roll of masking tape
 - waxed paper
- Locate the parts. You will need the following parts and complete subassemblies:

2-33	Door Caps	2 pieces
2-38 ✓	Top and bottom window trim	33 pieces
2-39 ✓	Window Caps	11 pieces
2-42 ✓	Inside window trim	22 pieces
10-77 ✓	Floor	2 pieces
10-78 ✓	Wing floor	4 pieces
5-3	Universal molding	
Wall panels 1-A thru 1-L		

- Lay wall panels 1-I, 1-J and 1-K face up on a table as shown in Figure *13-A. Make sure that the corner posts are flush with each other at the bottom and touching each other on the sides. Run a strip of masking tape the full length of each joint where the wall panels meet at the sides. Carefully turn the assembly over, run a bead of glue down the trough formed by the corner posts as shown in Figure *13-B. Gently close the assembly by bringing the two outside walls (1-I and 1-K) up and in towards the center as shown in Figure *13-C. Secure with masking tape.

- While the glue is still wet from the above step, notch to fit two wing floors (part no. 10-78) and insert one top and one bottom of the assembly. **DO NOT GLUE IN PLACE.** These floors will serve as a jig to make sure that the tower assemblies stay on the prescribed angle necessary for assembly later. Allow the glue to dry.

- Repeat step 3 and 4 above for wall panels 1-E, 1-F and 1-G, and also for wall panels 1-B, 1-C, and 1-D. Make certain that the wall panels are arranged in the proper sequence as shown in Figure *14. Allow the tower assembly to dry.

- Install corner post 5-1 to Panels 1-A, 1-L and 1-H as shown in Figure *14. Also glue corner post 5-140 to the left edge of wall panel 1-H. $19\frac{1}{2}$ " $27\frac{5}{8}$ "

- Attach wall panel 1-A to the back edge of wall panel 1-E. Attach wall panel 1-H to wall panel 1-G and 1-I and wall panel 1-L to the back of wall panel 1-K as shown in Figure *14. Use masking tape to hold wall panels in place. Also glue assembly 1-B, 1-C and 1-D to the back of the tower. (See Fig. *14-A.)

- While the glue from step 6 is still wet, notch both of the main floors in the corners as shown in Figure *15. *Detail Circle *1.*

- Trial fit the second floor into position on top of the floor supports (part no. 5-46). Mark the location of the corner posts from wall panel 1-L on the floor.

- Remove the floor and cut the notches as described in *Detail Circle *2* of Figure *15.

- Apply a bead of glue on top of the floor supports. Lay the floor into place and press gently into the glue as shown in Figure *16.

- Tie strings around the assembly as shown in Figure *16. Use rubber bands to keep the string tight. This will keep the walls pulled in against the floor. Stick pins into the wall panels at floor level to wedge the floor down against the floor supports.

- Repeat steps 7 thru 11 to install the third floor.

- Apply a bead of glue to the top edge of the floor supports in the house wings. Glue all four wing floors (part no. 10-78) at this time.

14. Glue the rear floor trim (part no. 5-104, 2 pieces) in place across the back edge of the main floors. Trial fit both pieces before gluing to assure tight joints.
15. When the glue from the preceding step is dry, position the house on the base subassembly with the rear corner posts (part no. 5-1) flush with the back edge of the base as shown in Figure *17. Make sure that the house is square to the base, centered from side to side, and that all wall panels are perpendicular to the base.
16. Mark the location of the house on the base with a pencil line around the inside and outside of the walls. Lift the house off the base.

NOTE: The hardwood floor kit contains enough hardwood strips to cover one floor of the house. This material may alternatively be applied to the door, stairway, or used as wall paneling. If you do not plan to apply the hardwood to the floor, skip steps 17 through 21.

17. Brush contact cement on the base inside the pencil line that marks the location of the walls, and on one side of the hardwood strips. Follow the instructions provided with the cement.

WARNING: Contact cement is extremely volatile and flammable. The working area must be well ventilated. Keep away from flame or sparks.

18. Start laying hardwood strips at the front of the house and work toward the rear. Cut the strips with scissors. Off-set the joints as shown in Figure *18.
19. After the hardwood strips are in place, burnish them down by rubbing them firmly with a small wood block.
20. To achieve a pegged appearance, if desired, punch the ends of each strip with a 3/32" nail set, as shown in Figure *18.

21. Sand the flooring smooth and remove any traces of contact cement that would interfere with the positioning of the house on the base. Then apply masking tape to the base all around the edge of the flooring. This will keep the floor finish off the area where the house attaches to the base. Finish the hardwood flooring with two or three coats of satin sheen polyurethane varnish. Steel wool lightly between coats. When the final coat is dry, remove the masking tape.

22. Apply a bead of woodworking glue between the two lines drawn in step 16. Carefully place the house into the bead of glue. Be careful to avoid getting any glue on the unfinished hardwood flooring!! Lay weights on the upper floors to hold the house in position.

23. Cut the pieces of universal molding (part no. 5-3) to fit around the base of the walls on the inside and outside of the house. At the doorways, cut the molding a quarter inch short to allow clearance for the door casings.

24. Glue the window cap (part no. 2-39) in place over the windows as shown in Figure *19-A. Attach the bottom window trim (part no. 2-38) to the bottom of the windows. Install door caps (part no. 2-33) flush over the door openings, centered from side to side.
25. Glue the inside window trim (part no. 2-42) and the top and bottom window trim (part no. 2-38) on the inside of the windows as shown in Figure *19-B.

FIG. 13-A

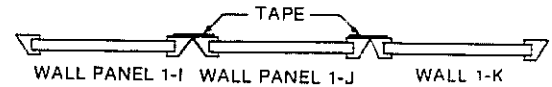


FIG. 13-B

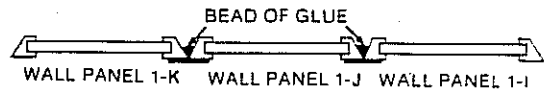
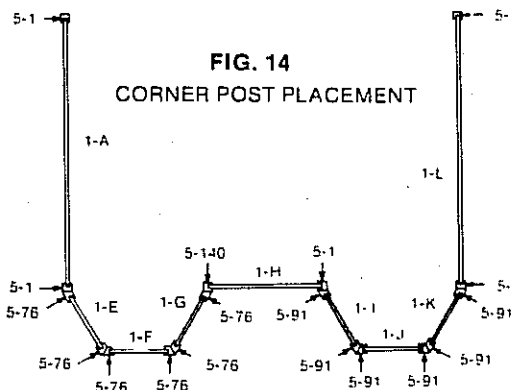
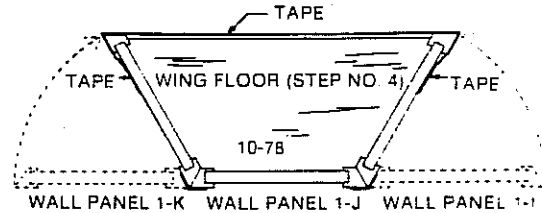


FIG. 13-C



5-1 Post
1A-1L 2 1/2 H

FIG. 14-A

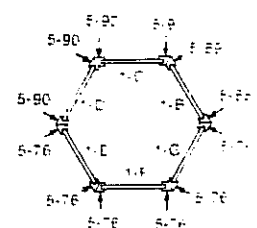


FIG. 15

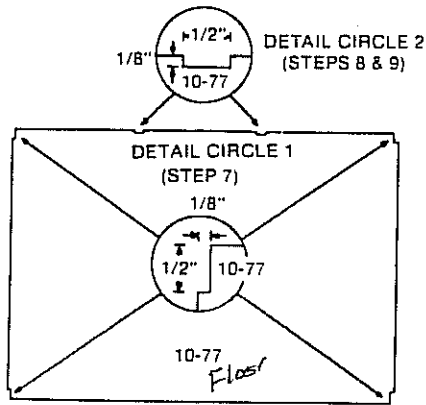


FIG. 19-A

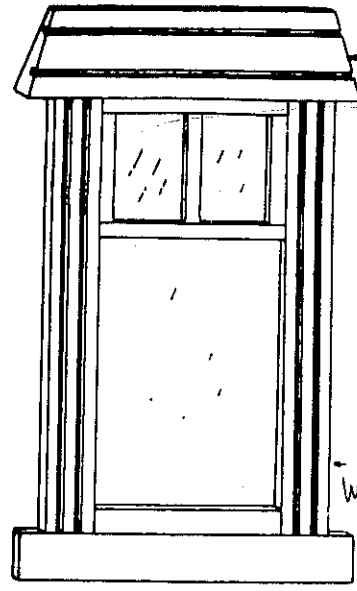


FIG. 19-B

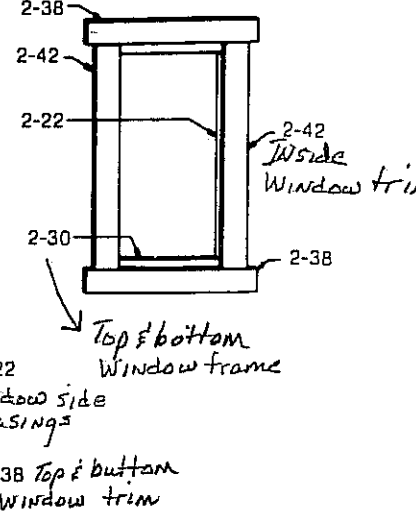


FIG. 16

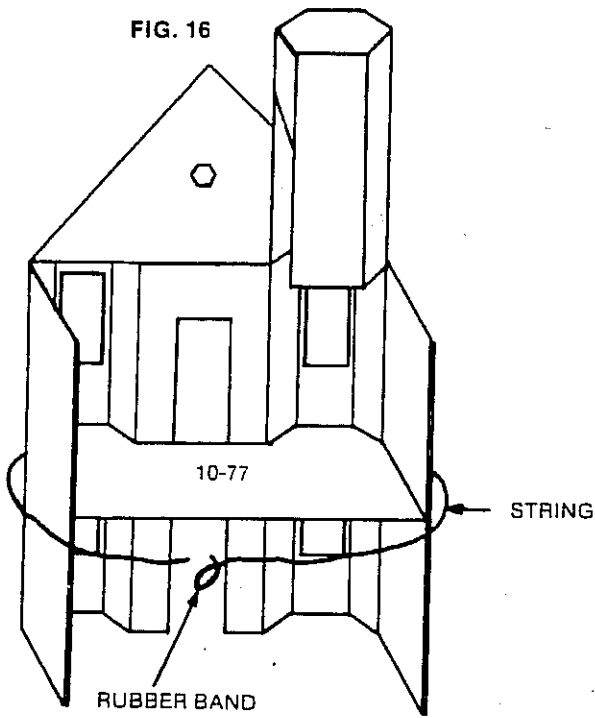


FIG. 17

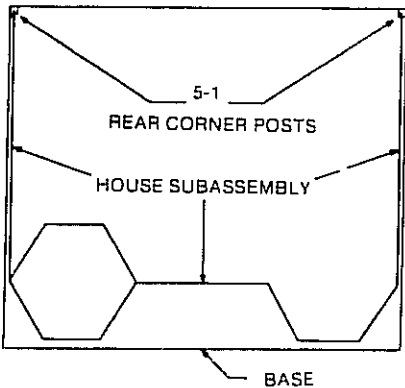


FIG. 18

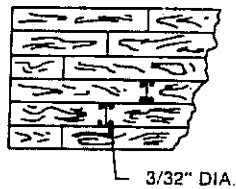
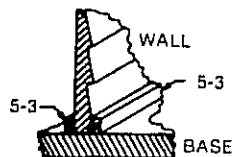


FIG. 19



**FINAL ASSEMBLY PART NO. 2
BALCONY, BALCONY ROOF
RAILING INSTALLATION**

1. Prepare your tools and materials. You will need the following items to complete this assembly:
 dispenser of woodworking glue
 pencil
 ruler or tape measure
 roll of waxed paper
2. Locate the parts. You will need the following parts and completed subassemblies.

10-85 OK	Cupola roof	2 pieces
10-86 OK	Balcony deck	1 piece
10-91 OK	Balcony roof	1 piece
5-46 OK	Floor support stock	
5-70 OK	Bannister stock	
5-93 OK	Cupola front	1 piece
5-109 OK	Porch post	2 pieces
5-110 OK	Balcony trim	1 piece
6-2 OK	Bannister post	
6-7 OK	Porch step, lower	1 piece
6-8 OK	Porch step, upper	1 piece
3. On the outside of wall panels 1-G, 1-H and 1-I measure up from the bottom of the panels 9-5/8" and draw a line across the face of the wall panels.
4. Cut the floor support stock (part no. 5-46) to the following lengths:
 2 pieces 2-3/8" long for wall panels 1-G, 1-I
 1 piece 6-3/8" long for wall panel 1-H
5. Glue these on wall panels 1-G, 1-H and 1-I, so that the tops of these pieces are flush with the line drawn in step 3 as shown in Figure *20.
6. Cover a hard flat surface at least 3 feet long with waxed paper. Lay out the balance of bannister stock (part no

5-70) not used in subassembly no. 5. Make pencil marks every $\frac{1}{2}$ " , next to the grooves. These mark the locations for the bannister posts.

- Apply glue to the ends of the bannister posts (part no. 6-2) and install them in the bannister stock, as shown in Figure *21. Line up the posts with the pencil marks. Be sure the bannister posts are perpendicular with the bannister stock! Hold the assemblies together with rubber bands until dry.
- Notch balcony deck (part no. 10-86) as shown in Figure *22 and glue in place on top of floor support stock attached to wall panels 1-G, 1-H, and 1-I. Press firmly in to the glue and weight down until the glue dries.
- Fit balcony trim (part no. 5-110) along the front edge of balcony deck. Allow to dry.

- Install a section of bannister (assembled in steps 6 and 7) on top of the balcony trim.
- Lay out balcony roof (part no. 10-91) as shown in Figure *23. Glue cupola front (part no. 5-93) $\frac{1}{2}$ " in from the front edge and centered from side to side.

- Attach the cupola roof (part no. 10-85) as shown in Figure *24.
- Notch the corners of the completed assembly and install as shown in Figure *24.

- Locate the center of the base and make light pencil marks $1\frac{1}{2}$ " from each side, as shown in Figure *25. These marks indicate the placement of the porch posts (part no. 5-109) in front of the doorway. Glue these posts in place.

- Cut sections of pre-assembled bannister to fit between these posts. Some of the railings will have to be angle trimmed to insure a snug fit.
- Attach porch step lower (part no. 6-7) and porch step upper (part no. 6-8) as shown in Figure *25.

FIG. 22

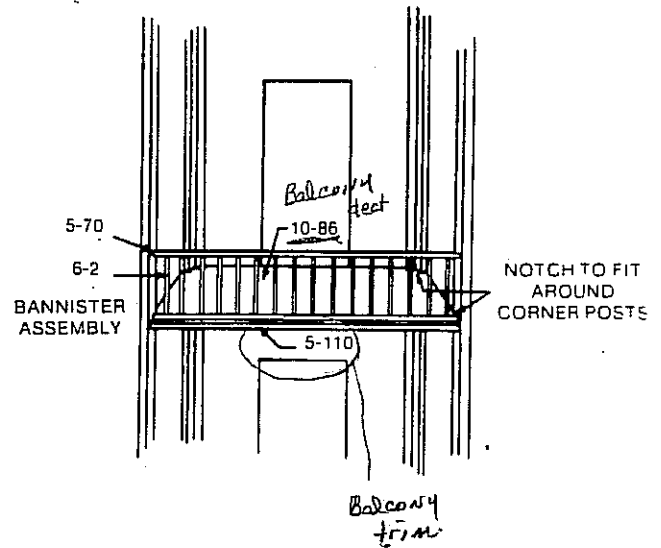


FIG. 23

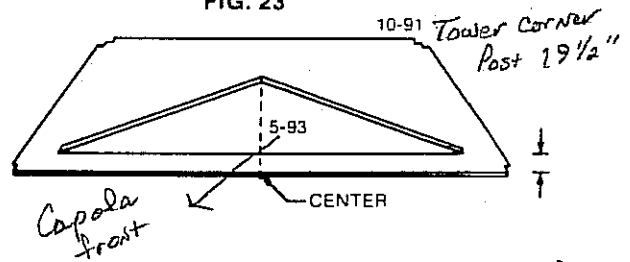


FIG. 24

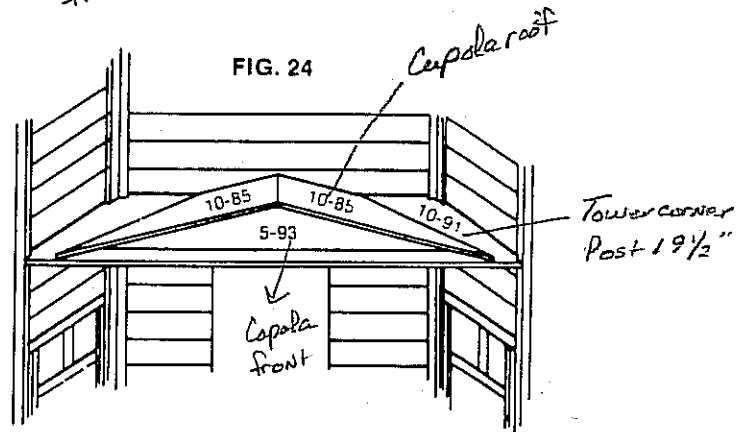


FIG. 25

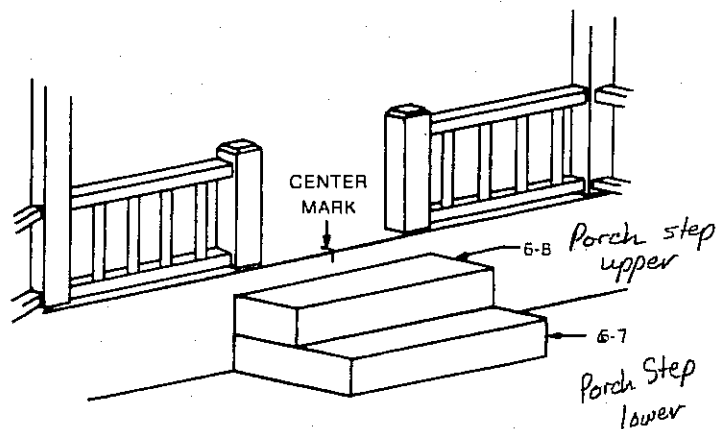


FIG. 20

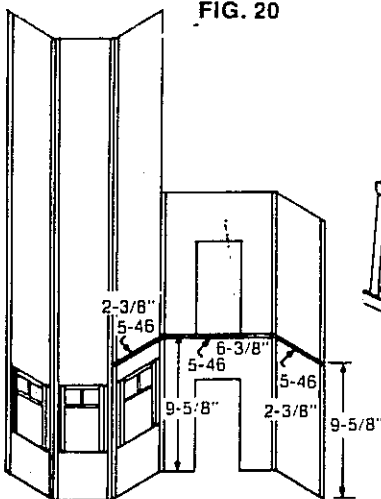
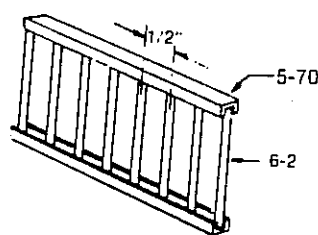


FIG. 21



FINAL ASSEMBLY PART NO. 3 ROOF INSTALLATION

1. Prepare your tools and materials. You will need the following items to complete this assembly:
 - dispenser of woodworking glue
 - ruler or tape measure
 - pencil
 - framing square
 - roll of waxed paper

2. Locate the parts. You will need the following parts to complete this assembly:

10-25	Tower roof	6 pieces
10-79	Front wing roof (left)	1 piece
10-80	Front wing roof (right)	1 piece
10-81	Main roof (right)	1 piece
10-82	Main roof (left)	1 piece
10-87	Front wing gable	1 piece
10-104	Main roof (left) extension	1 piece
10-105	Main roof (right) extension	1 piece
<i>NOT</i> — 5-17	Shakes, plain	1 package
5-19	Universal shake trim	15 feet
5-94	Tower finial	1 piece
5-99	Wing roof deck	1 piece
5-100	Fillet molding	2 pieces
5-101	Fillet molding	1 piece

3. Spread waxed paper over a hard flat surface at least 3' x 4' in size. Lay out all roof panels as shown in Figure *26.
4. Glue main roof (*left*) extension (part no. 10-104) and main roof (*right*) extension (part no. 10-105) onto the front edge of the main roof (*left*) (part no. 10-82). Glue front wing (*right*) (part no. 10-80) on to main roof (*right*) (part no. 10-81) as shown in Figure *26. Allow the glue to dry.
5. Measure one inch from the left side of assembled panels 10-82, 10-104, and 10-105, and draw a line across parallel to the edge. Measure and draw lines across the panel every inch after that. Work from right to left, until the entire panel is marked.
6. On assembled panel 10-80 and 10-81, measure from the *right* side of the panel and draw a line across parallel to the edge. Measure and draw lines across the panel every inch after that. Work from right to left, until the entire panel is marked.
7. Using the procedure in step 5 mark panel 10-79 working from left to right.
8. Attach the wing roof deck (part no. 5-99) to the front wing gable (part no. 10-87) as shown in Figure *27.
9. Glue fillet molding (part no. 5-100) and (part no. 5-101) in place as shown in Figure *28. Glue them directly in line with the wall panels. Be sure they are sloped the same way as the gable, and perpendicular to it.

10. Glue the assembled gable (part no. 10-87, 5-99) in place on top of the right hand wing. Make sure that the edge of the deck runs parallel to wall panel 1-L so that the right main roof will fit flat when installed later. Refer to Figure *28.
11. Trial fit the main roof (*left*) panel. Trim the tops of the corner posts on the house structure as required to match the pitch of the roof and ensure that the roof panels will fit tightly against the gables and fillet molding.
12. Apply glue to the gable support and fillet molding and install the main roof (*left*) as shown in Figure *29. Apply several spots of glue where the roof contacts the tower walls.
13. Trial fit and glue in place the main roof *right* panel. Hold the two roof panels together at the peak with tape until the glue dries.
14. Glue the main roof support (part no. 5-100) inside the peak of the main roofs. Tape in place until the glue dries.
15. Install the front wing roof (*left*) (part no. 10-79) in place as shown in Figure *30.
16. After the glue dries, apply plain shakes (part no. 5-17) over the entire roof. Start at the bottom of each panel and work towards the top, staggering the shakes in each row as shown in Figure *31. Align the top edges of the shakes with the guide line drawn earlier.
17. Lay out the six tower roof panels (part no. 10-25) and draw shake guide lines as shown in Figure *32. The first line should be one inch from the bottom and the rest one (1) inch apart. All lines are parallel to the bottom edge.
18. Arrange the tower roof panels side by side, as shown in Figure *32. Securely tape the joints between the panels.
19. Lift the side pieces to bring the tower roof assembly into shape. Tape the final joint. Hold the tower roof assembly upside down and place the tower roof support (*small*) (part no. 10-46) snugly in position deep inside the roof assembly. Glue into place. Next place the tower roof support (*large*) (part no. 10-47) inside the tower roof assembly. It should rest securely against all six sides. Glue it in position and allow to dry.

NOTE: When positioning the tower roof supports it might help to hold the tower roof upside down in an empty tin can.
20. When the glue from step 19 is dry, lay the tower roof assembly on its side and apply plain shakes (part no. 5-17). Cut them as required to conform to the angles on the panels. Allow the glue to dry, then turn the roof assembly and apply shakes to the next panel. Proceed in this manner until all six panels are done.

21. Glue the tower finial (part no. 5-94) in place on top of the tower roof. Apply glue to the tops of the tower corner posts, then position the tower assembly on the tower.
22. Cut and install the universal shake trim (part no. 5-19 redwood strips) on the edges of the roof and over the joints on the tower roof.

FIG. 26

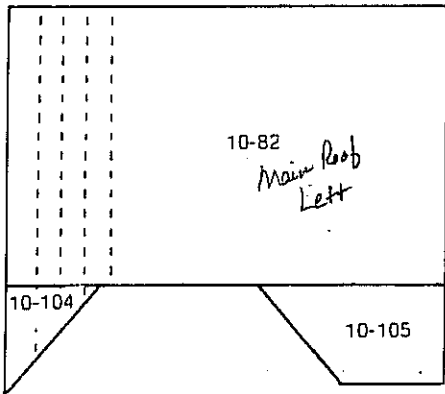
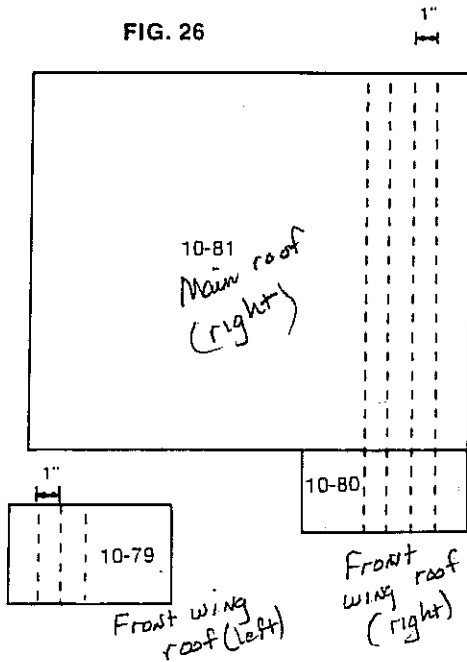


FIG. 27

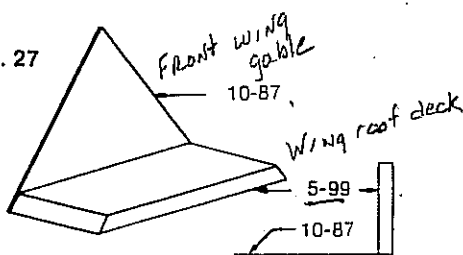


FIG. 28

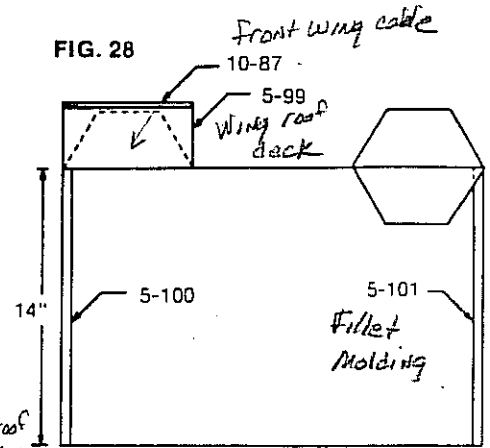


FIG. 29

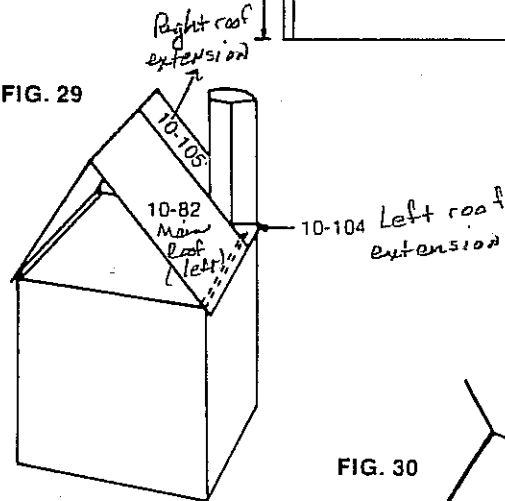


FIG. 30

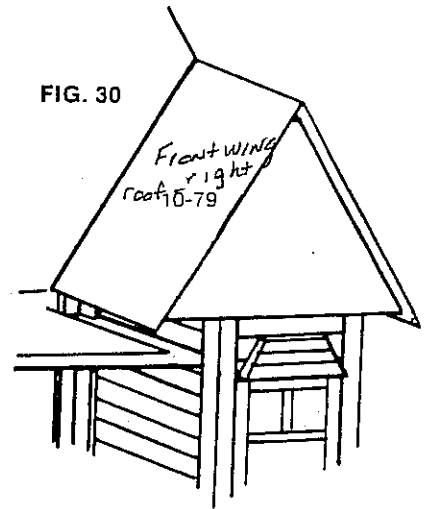
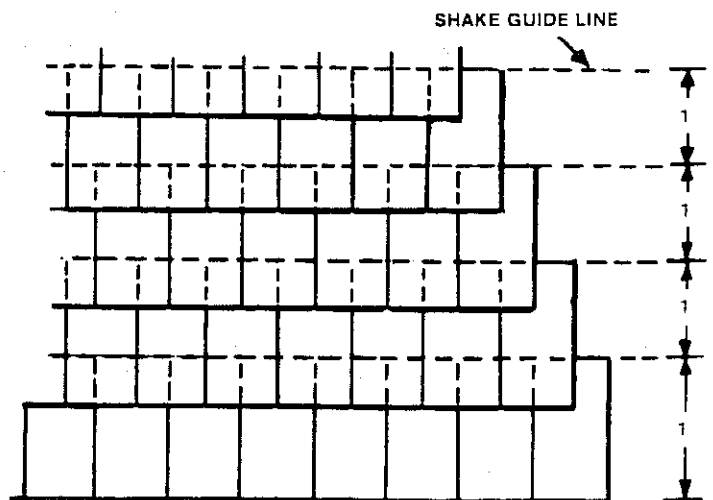
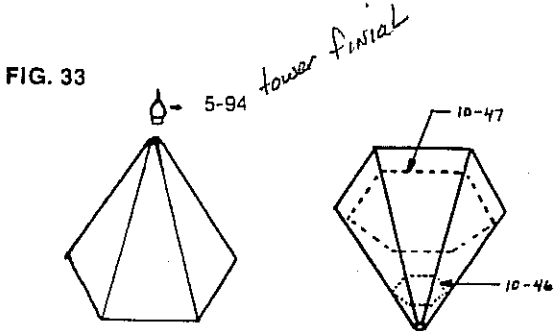
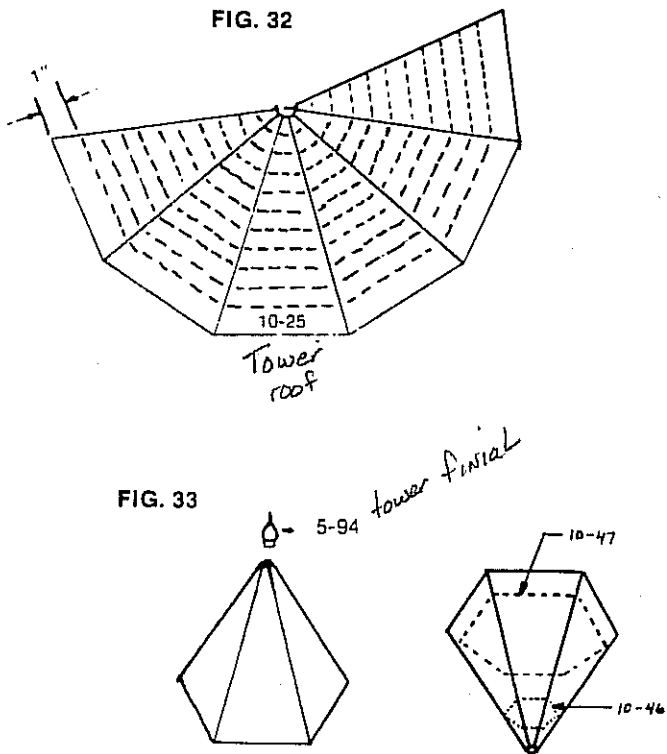
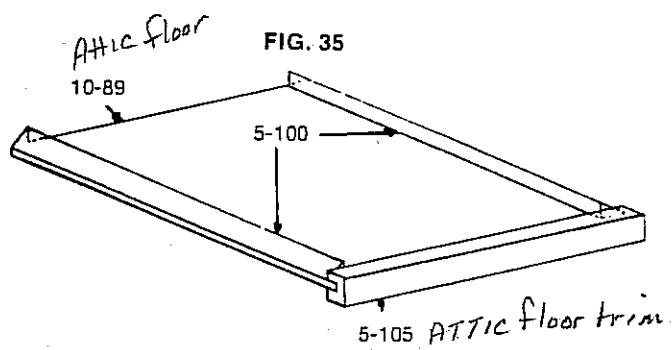
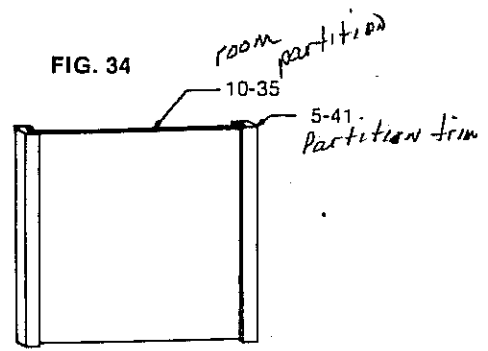


FIG. 31





6. Apply glue to the fillet moldings on the attic floor assembly and to the top and bottom of the third floor partition. Hold the attic floor in position against the roof panels, then install the partition under it as shown in Figure *36.



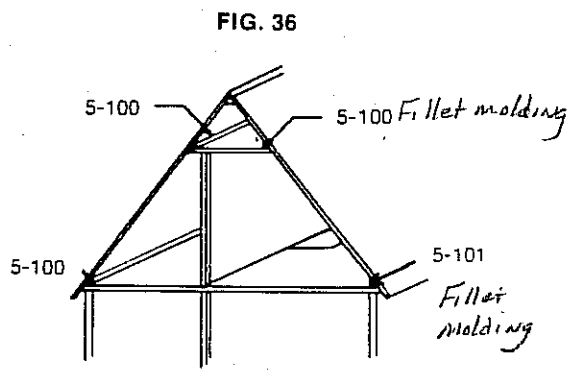
FINAL ASSEMBLY PART NO. 4 PARTITIONS

1. Prepare your tools and materials. You will need the following items to complete this assembly:
 dispenser of woodworking glue
 sharp utility knife
 ruler or tape measure
 pencil
 small square

2. Locate the parts. You will need the following parts to complete this assembly:

10-35	Room partition	3 pieces
10-89	Attic floor	1 piece
5-41	Partition trim	6 pieces
5-100	Attic fillet molding	2 pieces
5-105	Attic floor trim	1 piece

3. Glue two pieces of partition trim (part no. 5-41) on opposite edges of each of the room partitions (part no. 10-35) as shown in Figure *34.
4. Glue the attic floor trim (part no. 5-105) across the back edge of the attic floor as shown in Figure *35. Notch the opposite end of the floor as required to fit around gable supports. Attach the attic fillet molding (part no. 5-100) as shown.
5. Locate the partitions to the left of the stairway openings. Make sure they are perpendicular.

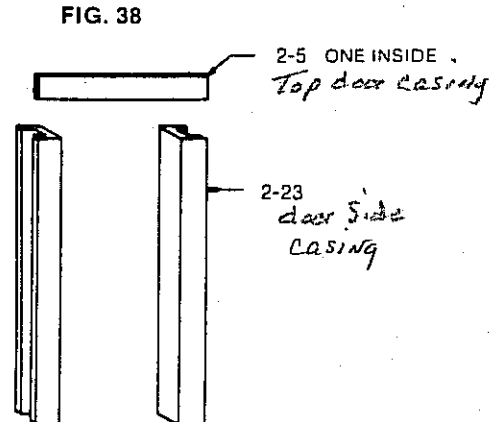
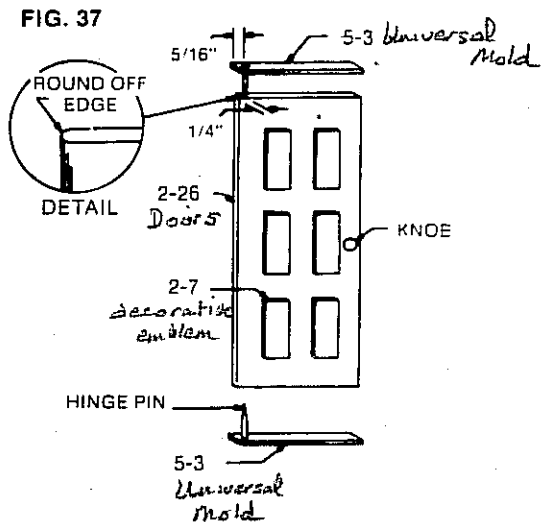


FINAL ASSEMBLY PART NO. 5 DOORS, FRONT STEPS STAIRWAY INSTALLATION

1. Prepare your tools and materials. You will need the following items to complete this assembly:
dispenser of woodworking glue
100 grade (medium) sandpaper
masking tape
2. Locate the parts. You will need the following parts and completed subassemblies:

2-5	Top and bottom window trim	4	2 pieces
2-7	Decorative emblems	25	12 pieces
2-23	Door side casing		4 pieces
2-26	Door		2 pieces
5-3	Universal molding stick		
6-17	Door knob		2 pieces
6-18	Hinge pin		4 pieces
	Bannister subassemblies		4 pieces
	Stairway subassemblies		2 pieces
3. Prefit the stairway subassemblies into the house. Apply glue to the top and bottom of the stairway, and glue in place.
4. Locate four (4) pieces of the bannister subassemblies 3½" long. Install them in 2 sides of the stairway opening.
5. Glue the four door side casings (part no. 2-23) in place in the doorway opening as shown in Figure *38.
6. Lay out the decorative emblems (part no. 2-7) on the doors (part no. 2-26) in the pattern that creates an effect you like. (The standard pattern is shown in Figure 37). Glue them in place.
7. Cut four (4) pieces of universal molding (part no. 5-3) to fit in the tops and bottoms of the two doorways.
8. Use sandpaper to round off the hinged edge of the door, as shown in the detail circle of Figure *37.
9. Drive a hinge pin through each of the pieces of universal molding, 5/16" from one end.
10. Hold the piece of universal molding with the hinge pin through it so that the hinge pin goes into the door ¼" from the rounded edge, as shown in Figure *37. Install the four pieces on the tops and bottoms of both doors in this manner.
11. Install the door knobs as shown.
12. At the top and bottom of each door, insert several paper shims between the door and the universal molding. This will insure that the door will have proper clearance for opening and closing.

13. Apply glue to the universal molding pieces, then insert the door assembly into the door opening. Be sure the door has adequate clearance on the sides.
14. After the glue has dried, remove the paper shims.
15. Install a window top and bottom trim (part no. 2-5) across the top of the door side casings (part no. 2-23) inside the house, as shown in Figure *38.



FINAL ASSEMBLY PART NO. 6 LATTICE AND DECORATIVE GABLE TRIM

1. Prepare your tools and materials. You will need the following items to complete this assembly:
dispenser of woodworking glue
sharp utility knife
100 grade (medium) sandpaper
roll of masking tape
ruler or tape measure

2. Locate the parts. You will need the following parts to complete this assembly:

2-40	Lattice trim	1 package
10-83	Deco. gingerbread	4 pieces
10-84	Deco. gingerbread	2 pieces
5-3	Universal molding	

3. Trim universal molding (part no. 5-3) to length and glue on EDGE around the perimeter of the base as shown in Figure *40. Use masking tape to hold the trim in place while the glue dries. The top of the molding *must* be flush with the top edge at the base.

4. When the glue from step 3 has dried, start attaching lattice trim to the base as shown in Figure *41-A and *41-B. On each piece, one of the mitered ends will fit flush against the bottom of the universal molding (part no. 5-3) attached in step 3 and the other mitered end will fit flush to the bottom of the base. Use a piece of the lattice (*without glue*) as a spacer between each of the glued pieces. Start at any corner on the bottom edge of the base and work to the left as shown in Figure *41 B.

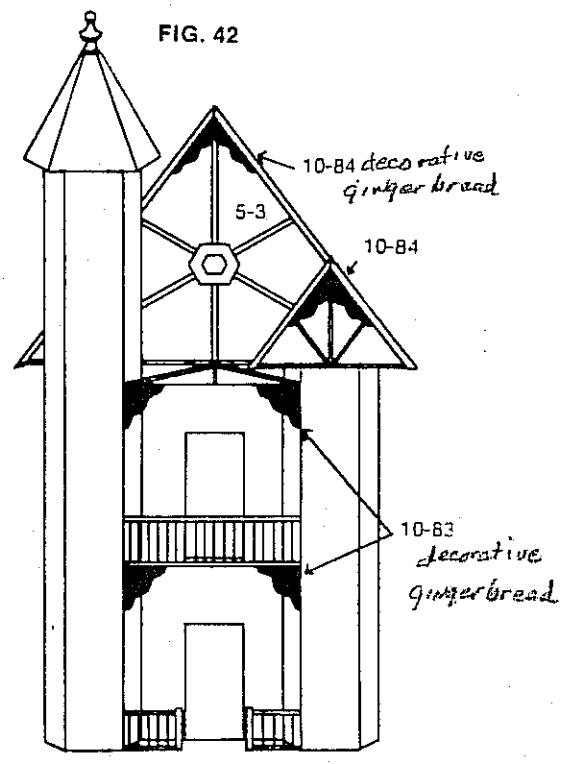
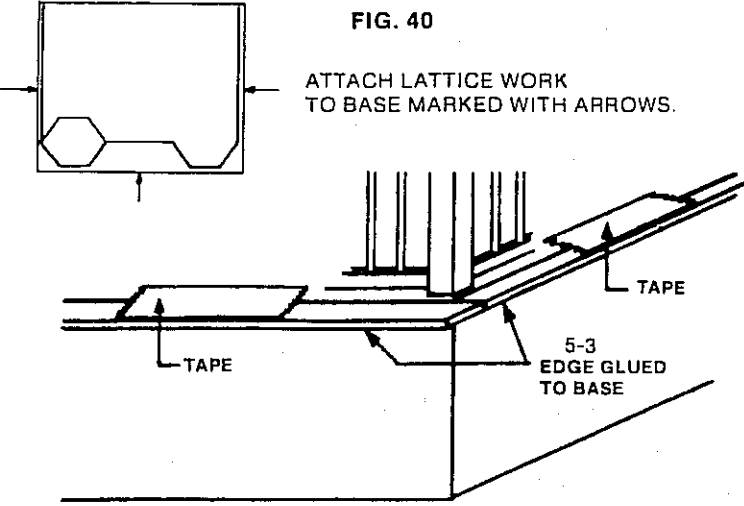
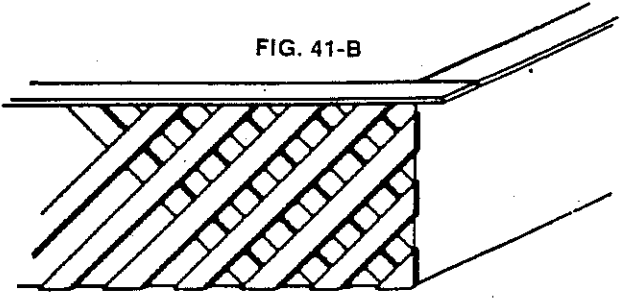
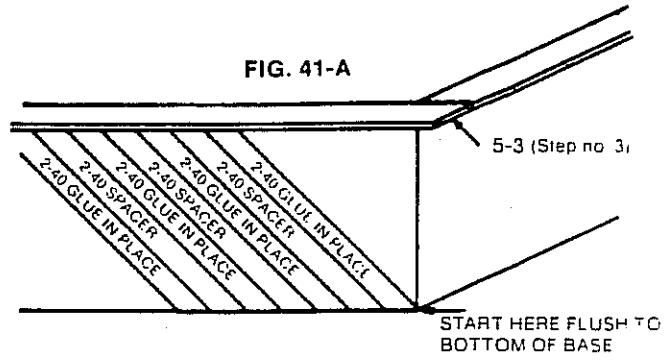
5. Complete the bottom layer of lattice work on all exterior sides of the base marked by the arrows in Figure *40.

6. When the glue from steps 4 and 5 has dried, use the same procedure to attach the outside layer of lattice work. Please note that the second layer is running the opposite direction of the first layer.

7. Referring to Figure *42, use the universal molding (part no. 5-3) to trim all edges of each of the gables. Ample universal molding stock is supplied so that you can vary from the standard design shown to complete the decorative gable trim. While gables vary in size, it is suggested that they all carry the same pattern.

8. Glue the decorative gingerbread (part no. 10-83, 4 pieces and part no. 10-84, 2 pieces) in place as shown in Figure *42.

9. Glue the main roof ridge cap (part no. 6-25) in position on top of the main roof.

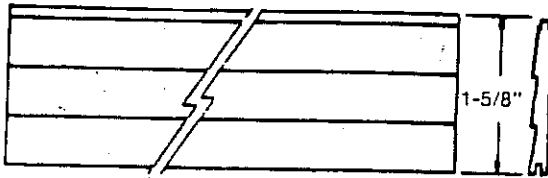


SF-550 PARTS LIST

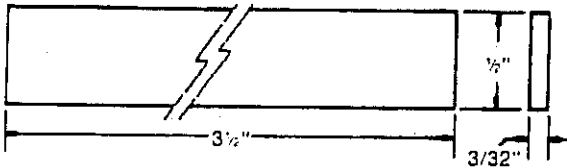
NOTE: This list is intended for parts identification only. Drawings are not intended to be exact scale representations of the actual parts. Measurements listed are close approximations. A reasonable degree of tolerance for parts sizes has been built into the design of this doll house.

- 1-2 Siding 14" 24 pieces
- 1-4 Siding 3" 82 pieces
- 1-11 Siding 2" 16 pieces
- 1-30 Siding 3" - 30° 1 piece
- 1-31 Siding 7" 4 pieces

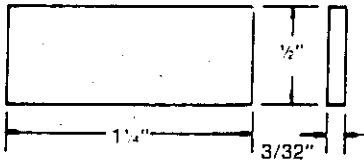
Siding



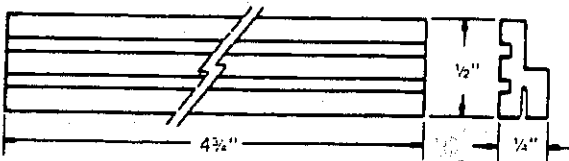
- 2-5 Top door casing 2 pieces



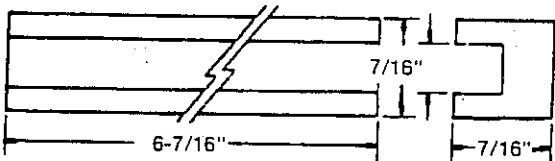
- 2-7 Decorative emblem 12 pieces



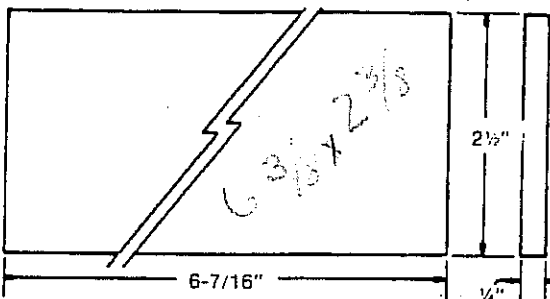
- 2-22 Window side casings 22 pieces



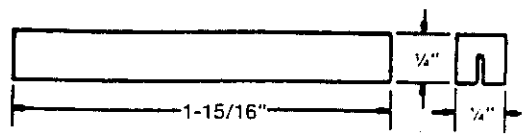
- 2-23 Door side casings 4 pieces



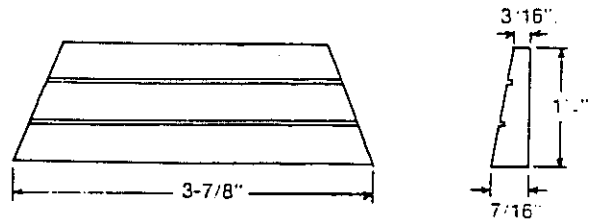
- 2-26 Doors 2 pieces



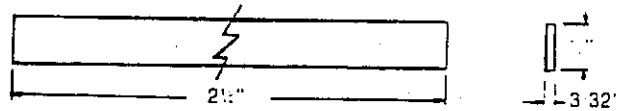
- 2-30 Top & bottom window frame 22 pieces



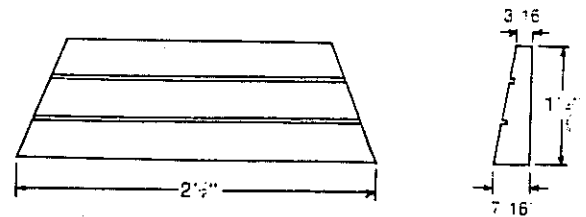
- 2-33 Door caps 2 pieces



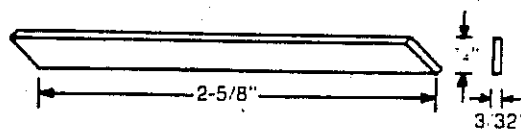
- 2-38 Top & bottom window trim 33 pieces



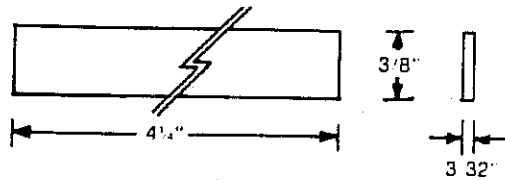
- 2-39 Window caps 2 1/2" long 11 pieces



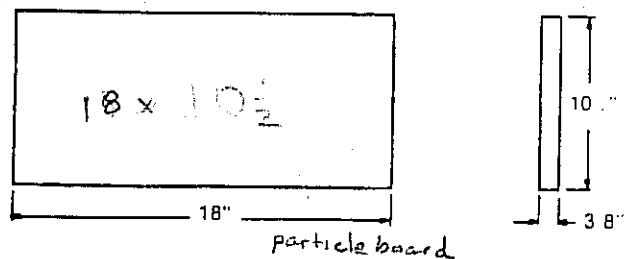
- 2-40 Lattice trim 152 pieces

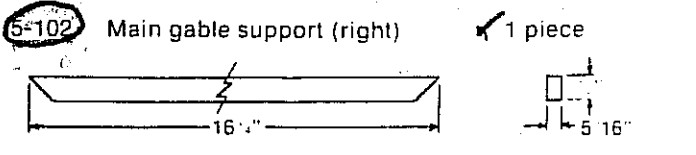
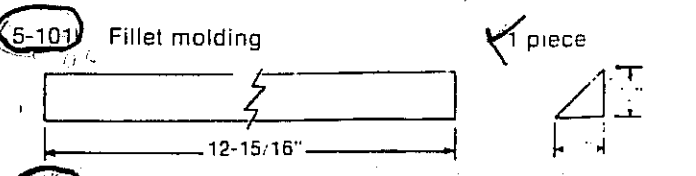
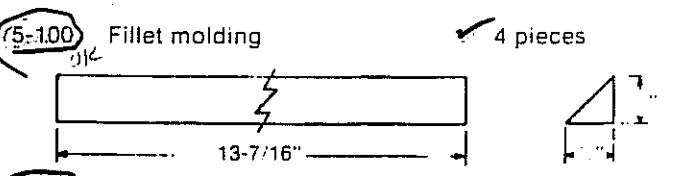
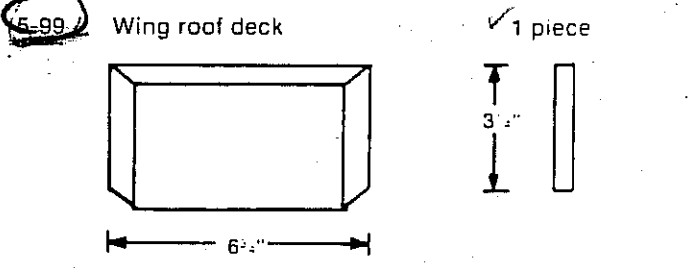
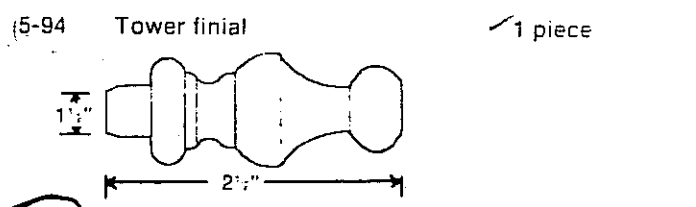
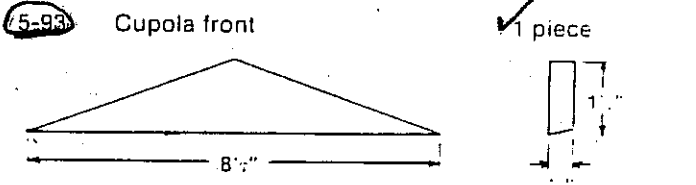
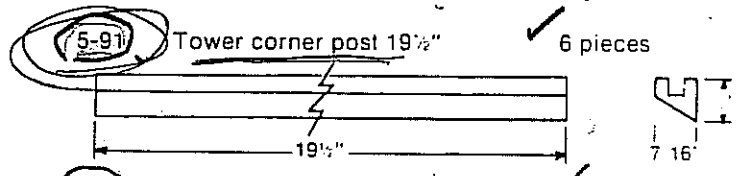
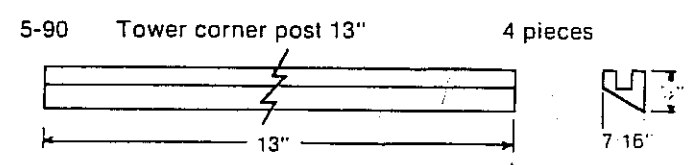
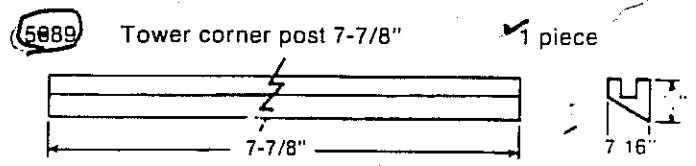
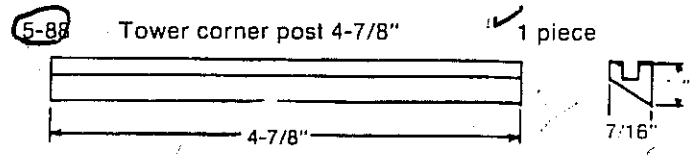
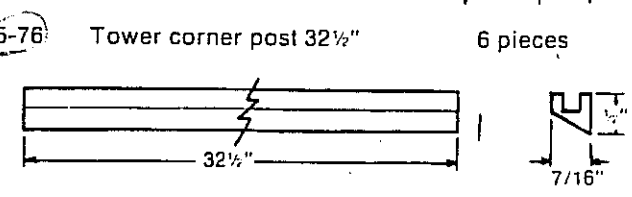
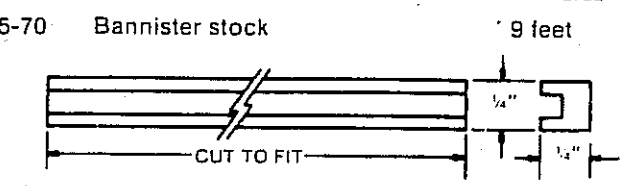
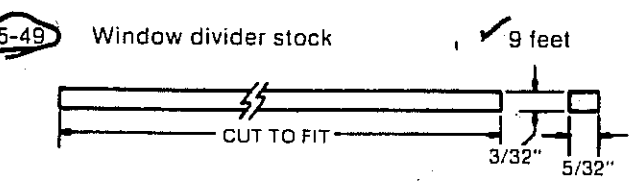
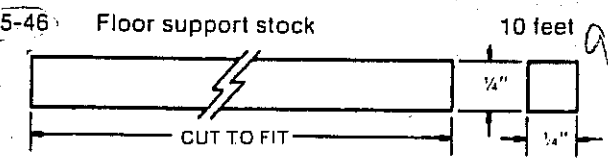
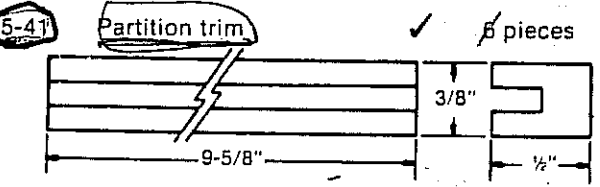
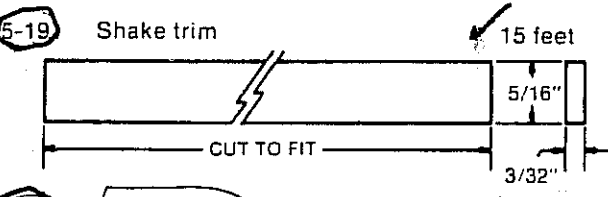
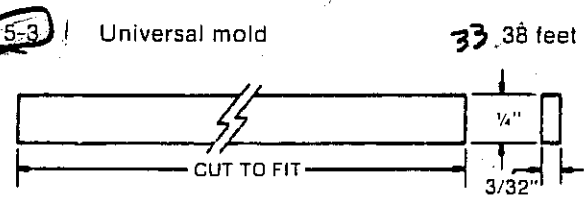
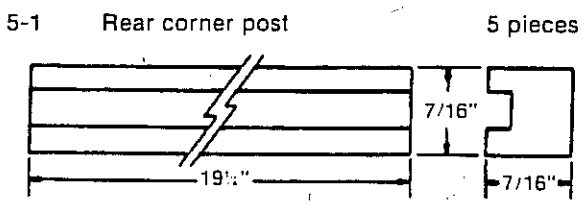
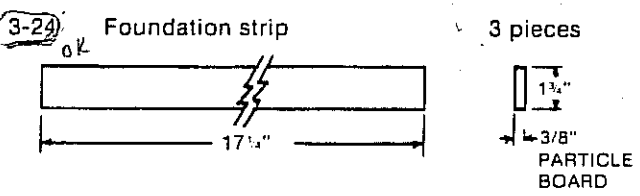
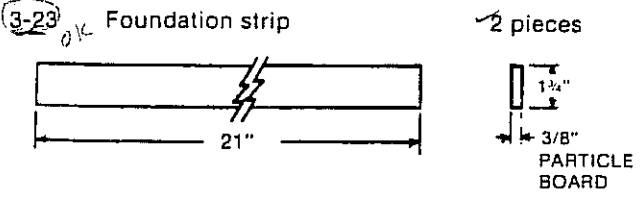


- 2-42 Inside window trim 22 pieces

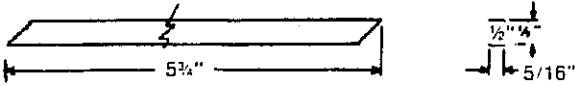


- 3-22 Base 2 pieces

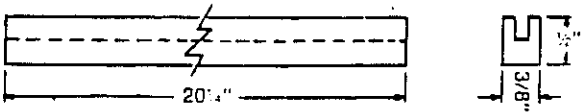




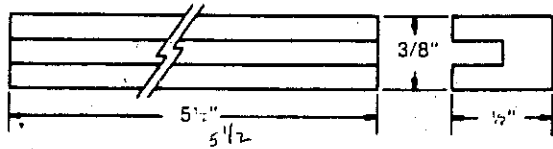
5-103 Main gable support (left) ✓ 1 piece



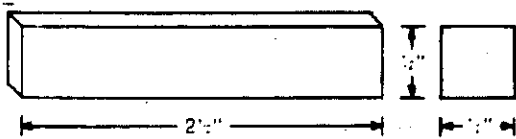
5-104 Rear floor trim ✓ 2 pieces



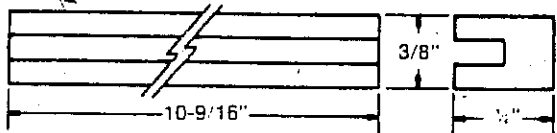
5-105 Attic floor trim ✓ 1 piece



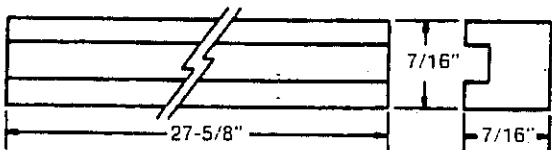
5-109 Porch post ✓ 2 pieces



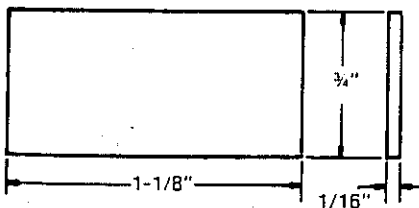
5-110 Balcony trim ✓ 1 piece



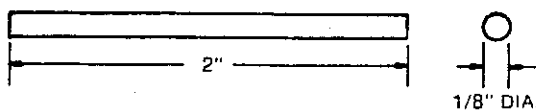
5-140 Corner post 27-5/8" ✓ 1 piece



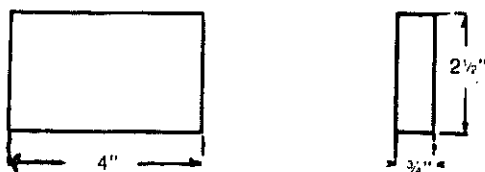
5-150 Shakes ✓ 1 package



6-2 Bannister posts ✓ 80 pieces



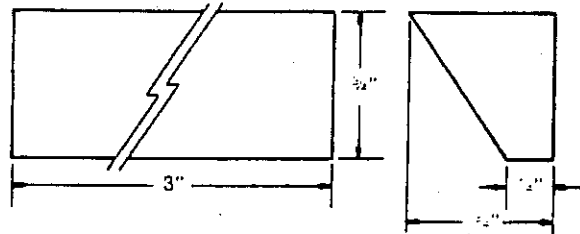
6-7 Porch step (lower) ✓ 1 piece



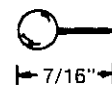
6-8 Porch step (upper) ✓ 1 piece



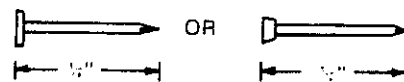
6-14 Steps ✓ 26 pieces



6-17 Door knobs ✓ 2 pieces



6-18 Hinge pins ✓ 4 pieces

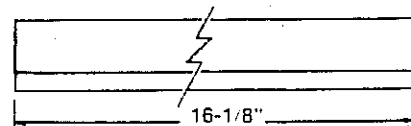


6-19 Flooring (3 sq. in.) ✓ 1 package

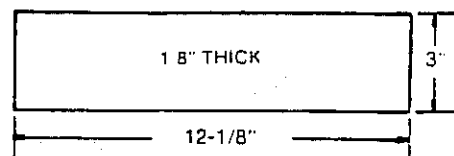


6-20 Window pane ✓ 12 pieces

6-25 Main roof ridge cap ✓ 1 piece

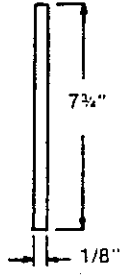
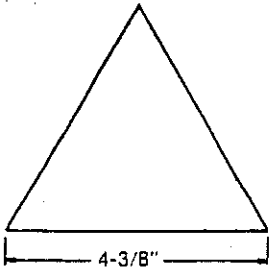


10-13 Stairway base ✓ 2 pieces



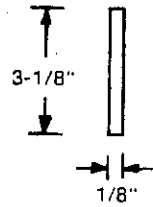
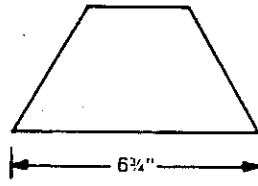
10-25 Tower roof

6 pieces



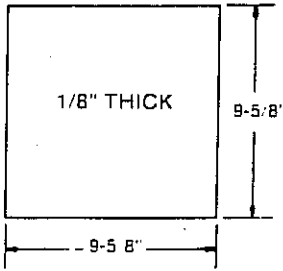
10-78 Wing floors

4 pieces



10-35 Room partition

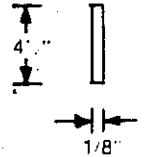
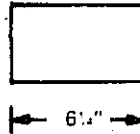
3 pieces



✓ 4

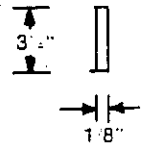
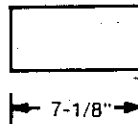
10-79 Front wing roof (left)

✓ 1 piece



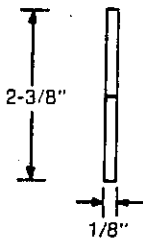
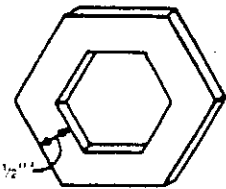
10-80 Front wing roof right

✓ 1 piece



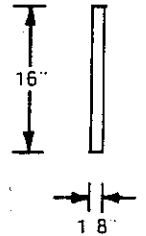
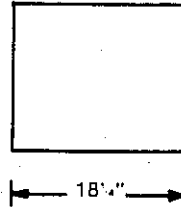
10-41 Gable window frame

✓ 2 pieces



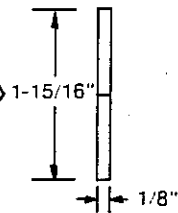
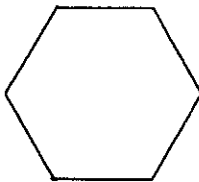
10-81 Main roof (right)

✓ 1 piece



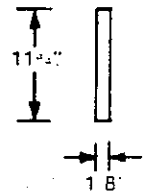
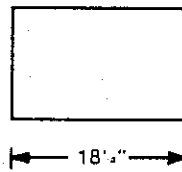
10-46 Tower support (small)

1 piece



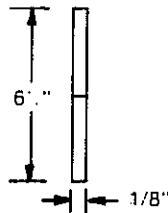
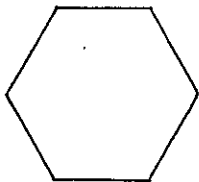
10-82 Main roof (left)

✓ 1 piece



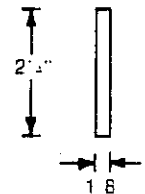
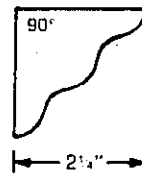
10-47 Tower support (large)

1 piece



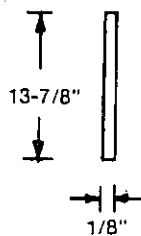
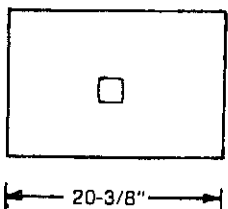
10-83 Decorative gingerbread

✓ 4 pieces

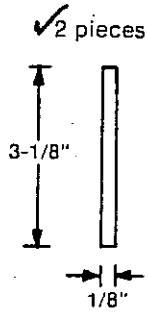
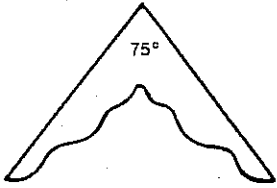


10-77 Floor

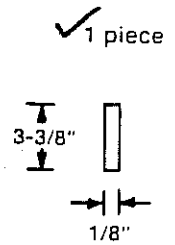
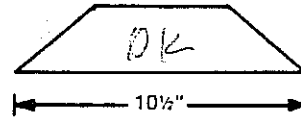
2 pieces



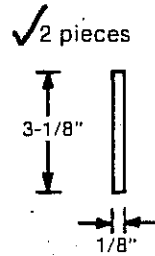
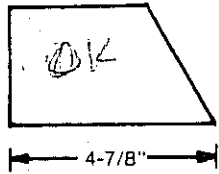
10-84 Decorative gingerbread



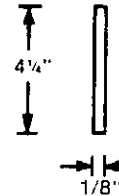
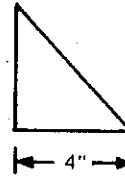
10-91 Balcony roof



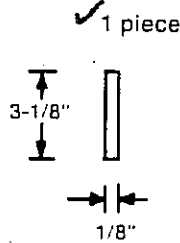
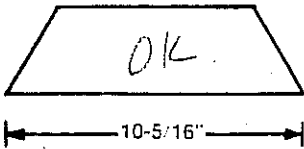
10-85 Cupola roof



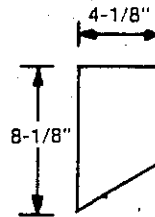
10-104 Left roof extension



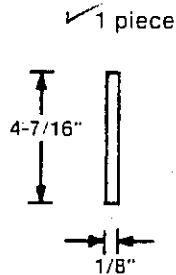
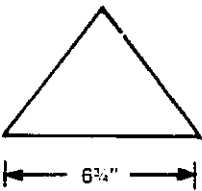
10-86 Balcony deck



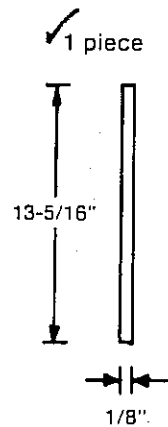
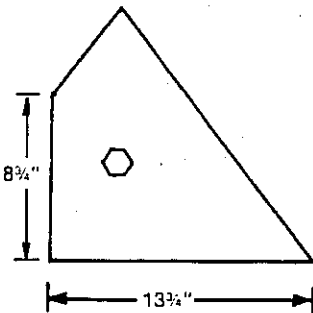
10-105 Right roof extension



10-87 Front wing gable



10-88 Main gable



10-89 Attic floor

