

HO SCALE



ASSEMBLY INSTRUCTIONS - ITEM # 1377

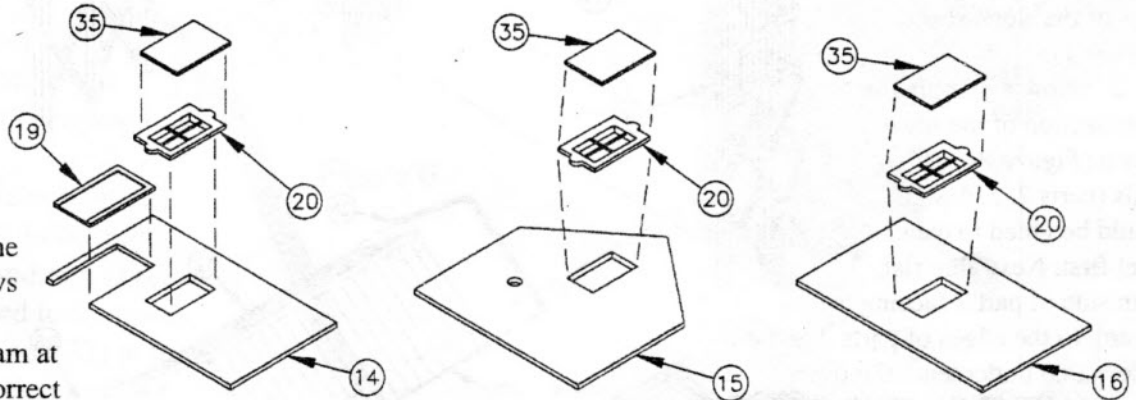
COALING TOWER

Read the instructions carefully before beginning assembly! Read each step thoroughly before attempting to complete it. Study the diagrams and locate where various parts will be needed. The part numbers are indicated on the sprues. If you want to customize your building with paint, determine which parts will need to be painted before assembly and decide whether it will be easier to paint them on or off the sprue.

Use watery styrene cement applied sparingly to assemble this building. Make sure the parts fit correctly before you apply the cement. Use sandpaper or a file to roughen a surface that is resisting the cement.

A FIT WINDOWS & DOORS INTO OPENINGS

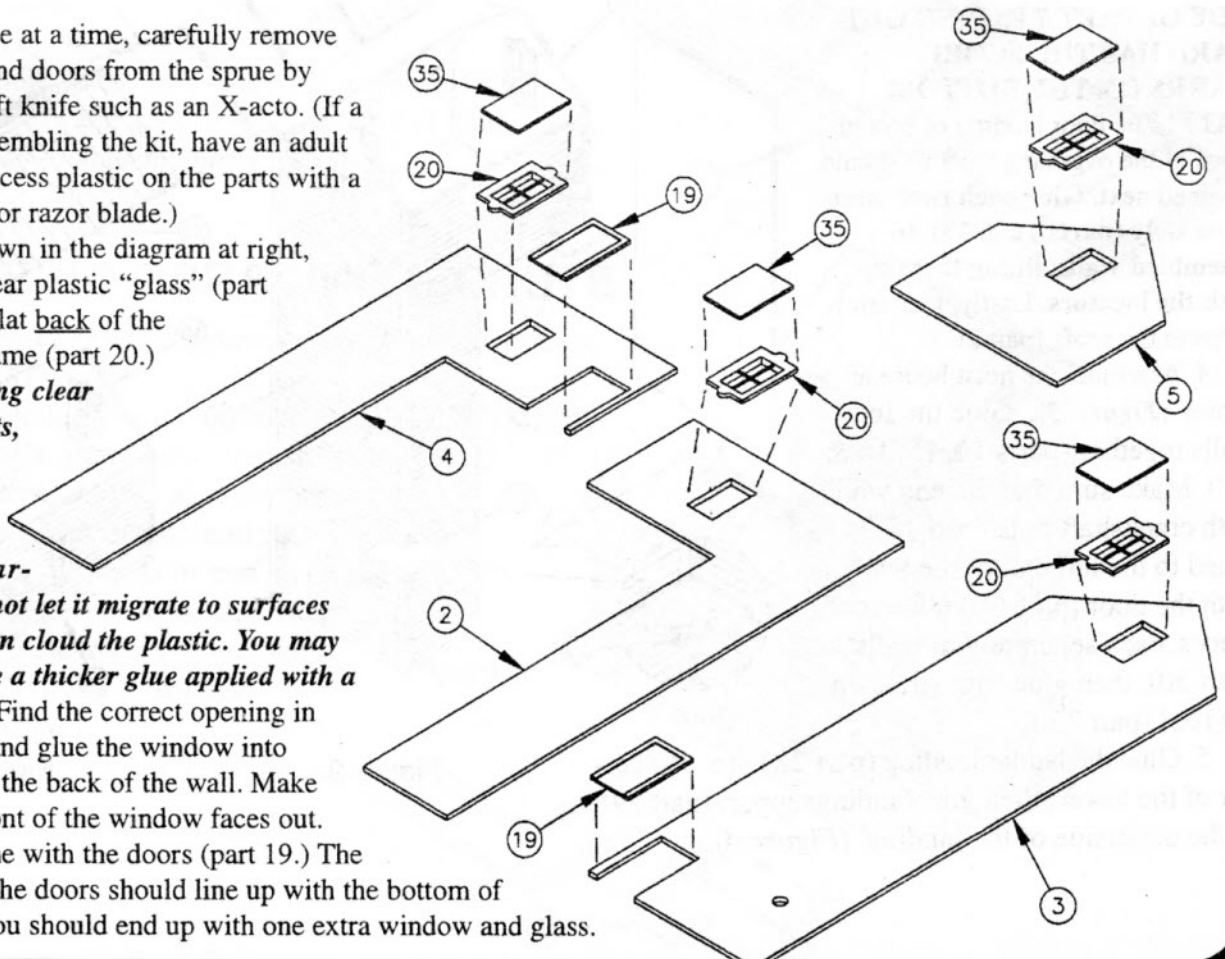
1. Look carefully at the sprue holding the windows and doors. You will notice each section is numbered. Compare the numbered windows and doors on the sprue to the diagram at right to find the correct opening.



2. One at a time, carefully remove windows and doors from the sprue by using a craft knife such as an X-acto. (If a child is assembling the kit, have an adult trim any excess plastic on the parts with a craft knife or razor blade.)

3. As shown in the diagram at right, glue the clear plastic "glass" (part 35) to the flat back of the window frame (part 20.)

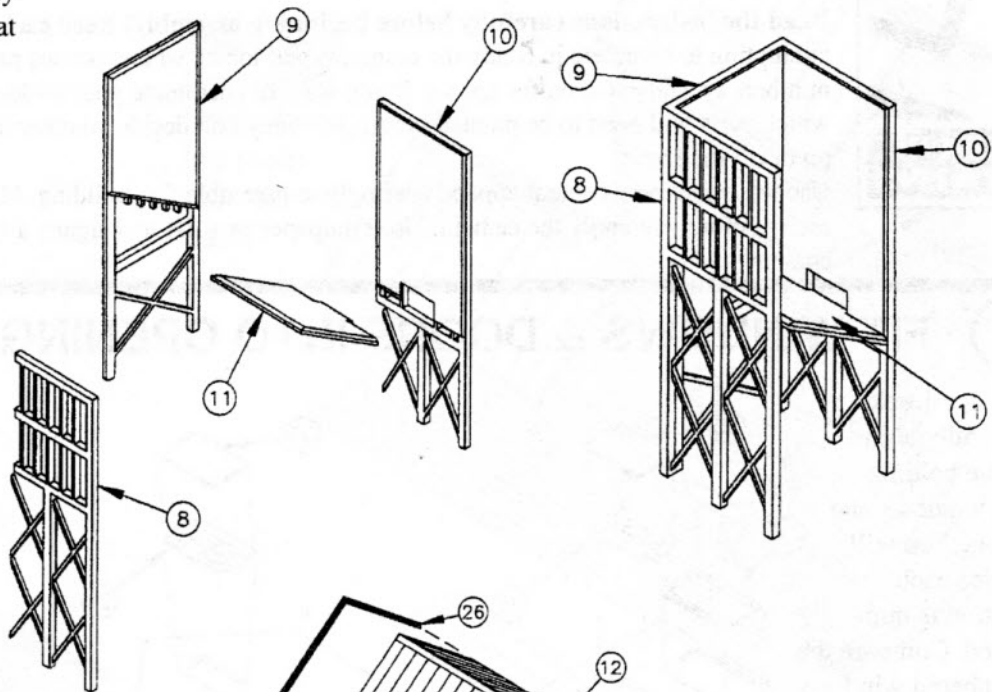
When gluing clear plastic parts, it is very important to use the glue sparingly and not let it migrate to surfaces where it can cloud the plastic. You may want to use a thicker glue applied with a toothpick. Find the correct opening in each wall and glue the window into place from the back of the wall. Make sure the front of the window faces out. Do the same with the doors (part 19.) The bottom of the doors should line up with the bottom of the wall. You should end up with one extra window and glass.



B ASSEMBLE TOWER WALLS AND SLOPE SHEET

1. Remove the walls from the sprue if you haven't already done so. Look at the diagram at right to locate the correct position of the walls. Glue tower walls (parts 8 and 9) together with the detail side facing outward. Now glue the slope sheet (part 11) at a 45-degree angle to parts 8 and 9 as shown. Finally, glue the remaining wall (part 10) to the side of part 9 and to the edge of the slope sheet.

Figure 1



(Figure 1)

2. Now assemble the other section of the tower as shown (Figure 2). All walls (parts 2, 3, 4 & 5) should be glued to each other first. Next glue flat, plain side of part 7 facing inward, to the edges of parts 2 and 4 (side walls) underneath the overhang. **MAKE SURE THAT THE SIDE OF PART 7 FACING OUTWARD HAS THE SCORE MARKS ON THE BOTTOM HALF!** The door landing or bottom piece of the overhang (part 6) should be glued next. **Glue each roof piece separately (parts 12 & 13) to assembled walls, lining them up with the locators.** Lastly, glue trim strips to the roofs (part 26.)

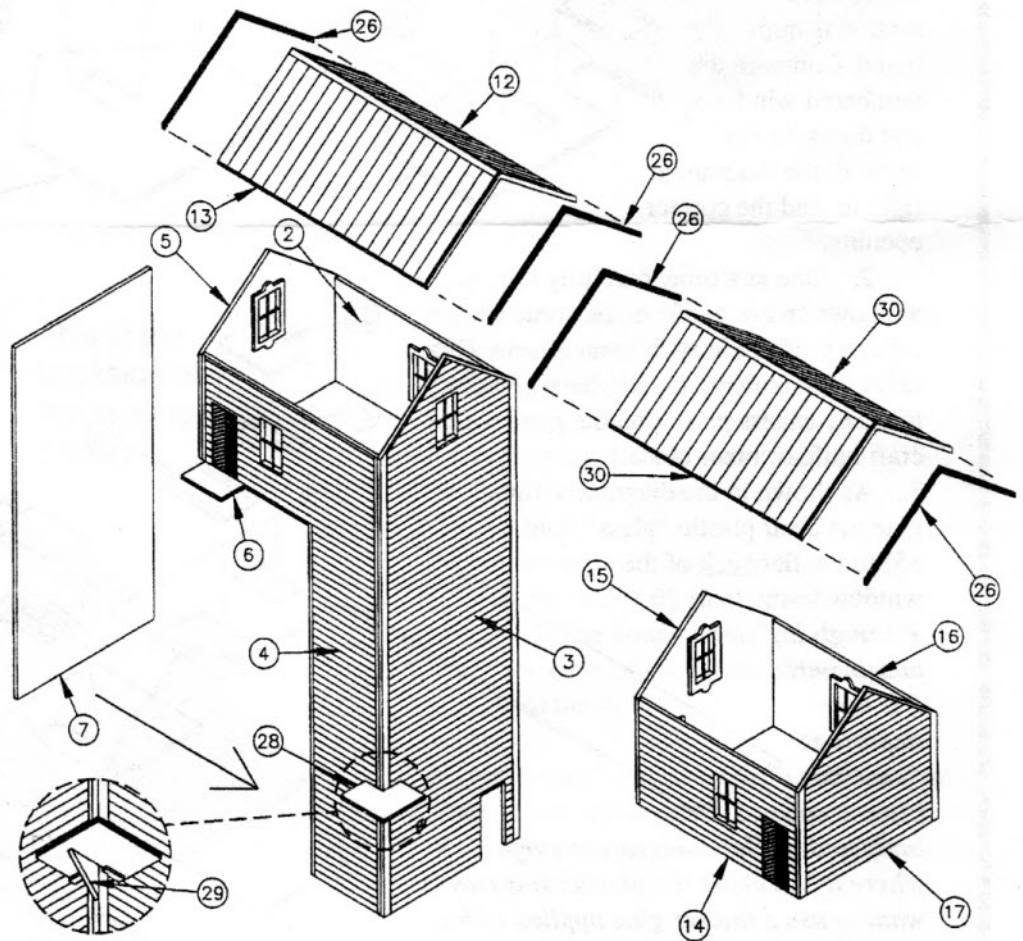


Figure 4

Figure 2

Figure 3

4. Assemble the hoist house as shown (Figure 3). Glue the four walls together (parts 14, 15, 16 & 17.) Make sure that the end wall with crankshaft hole (part 15) is glued to the left end of the wall with the door (part 14.) Glue roof pieces, each separately to walls (part 30), then glue trim strips on the roof (part 26.)

5. Glue the ladder landing (part 28) to the corner of the tower; then glue landing support (part 29) to the underside of the landing. (Figure 4)

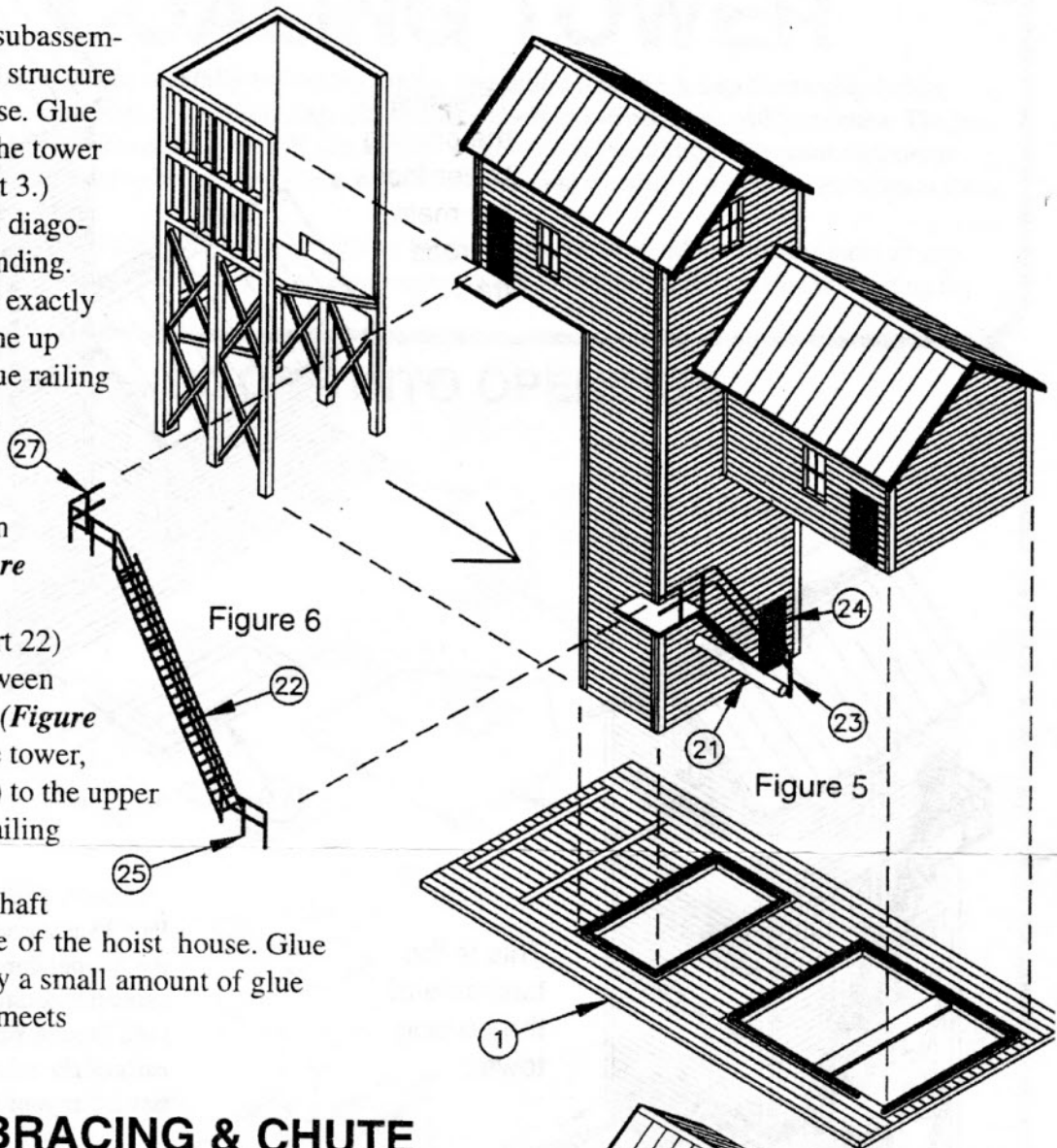
C FINAL ASSEMBLY OF TOWER AND HOIST HOUSE

1. Glue the two large subassemblies of the tower to form one structure and attach the tower to the base. Glue the short ladder (part 23), to the tower side with crankshaft hole (part 3.) Make sure to line up the steps diagonally between the base and landing. The steps do not have to meet exactly at the door, but they should line up evenly with the base. Then glue railing (part 24) to stairs and landing as shown.

6. Glue the tip of the crankshaft housing (part 21) in the hole in the side wall (*Figure 5*).

3. Glue long stairs (part 22) to the tower diagonally in between the upper and lower landings. (*Figure 6*) After stairs are glued to the tower, glue the small railing (part 27) to the upper landing. Then glue the large railing (part 25) to the stairs.

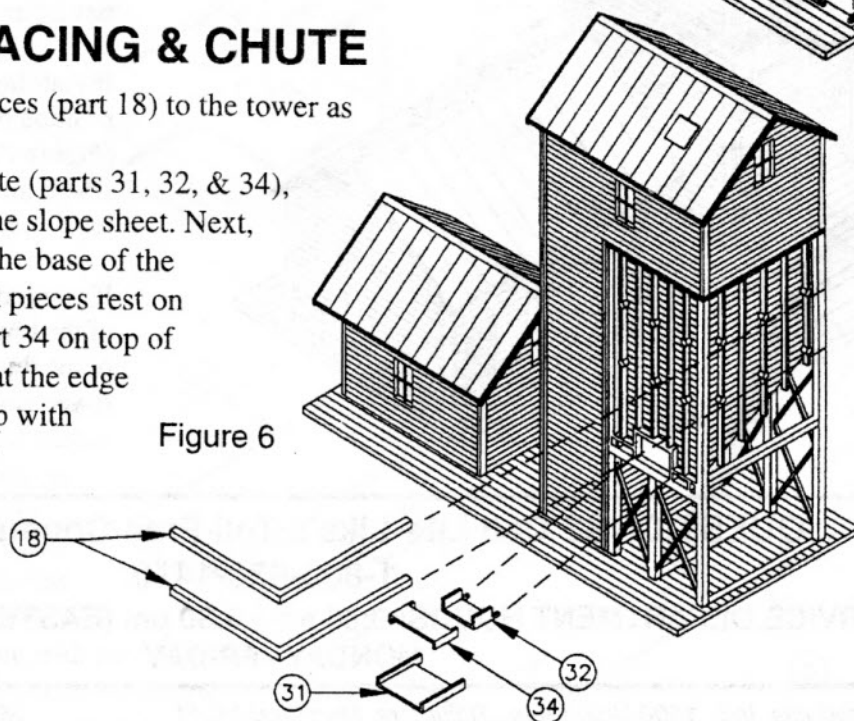
3. Match up the crankshaft housing to the hole in the side of the hoist house. Glue the house to the base and apply a small amount of glue where the crankshaft housing meets the hoist house.



D EXTERIOR BRACING & CHUTE

1. Glue exterior bracing pieces (part 18) to the tower as shown. (*Figure 6*)

2. To assemble the coal chute (parts 31, 32, & 34), glue part 32 into the space below the slope sheet. Next, glue part 31 underneath part 32 at the base of the chute opening so that the small end pieces rest on either side of the opening. Glue part 34 on top of part 31, open end downward, so that the edge facing away from the tower lines up with the edge of part 31. (*See next page for completed model.*)



(E) COMPLETED MODEL

This side of the coaling tower faces the main railroad track.

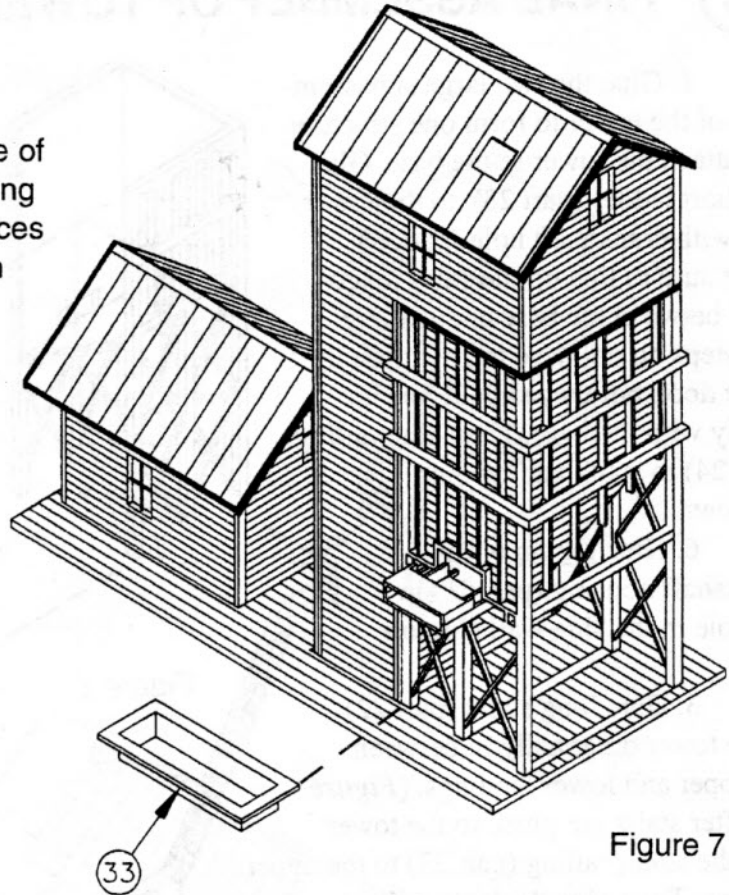
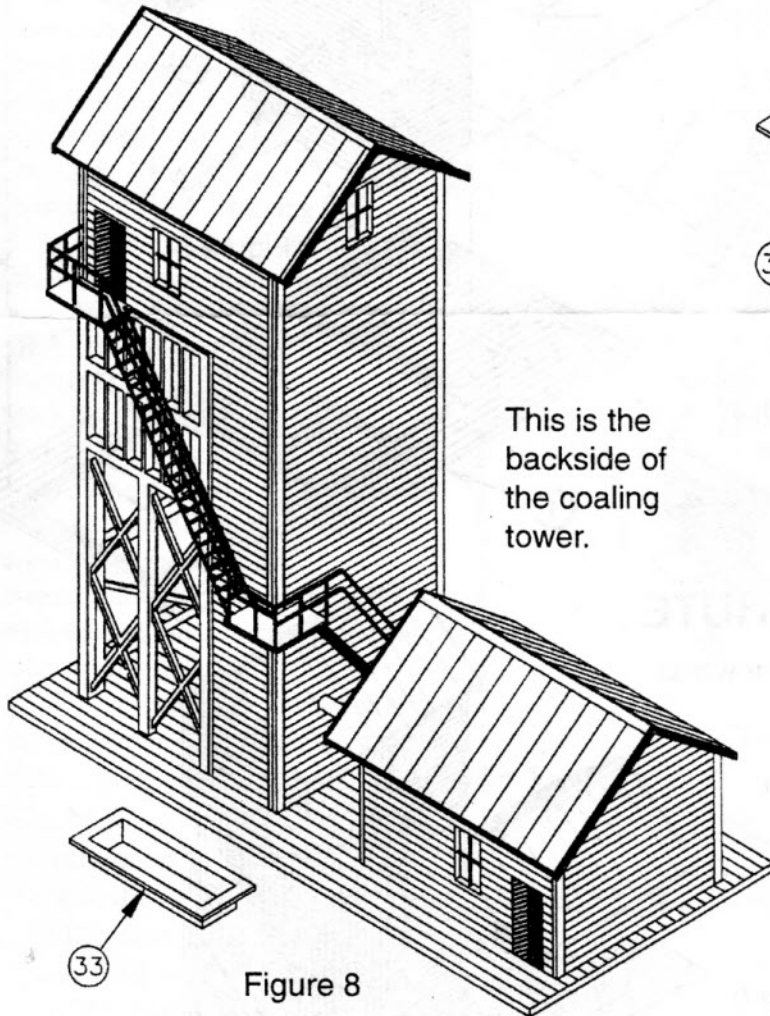


Figure 7



This is the backside of the coaling tower.

Figure 8

Part 33 is a coal receiving pit. This is where the hopper car will dump coal so it can be carried by conveyor to the coal tower. On your layout, position the pit *between the rails of the track*. (You will need to cut a few ties from your track so it fits.)

If your layout will have only one track, position the receiving pit as shown above. (Figure 7) The dotted line above indicates where the edge of the pit should line up in relation to the tower.

If your layout will have a main track in front of the tower and a second track in the back of the tower, position the pit to the rear of the tower as shown at left. (Figure 8)

QUESTIONS? Call Life-Like's Toll-Free Consumer Helpline at:

1-800-638-1470.

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MONDAY - FRIDAY