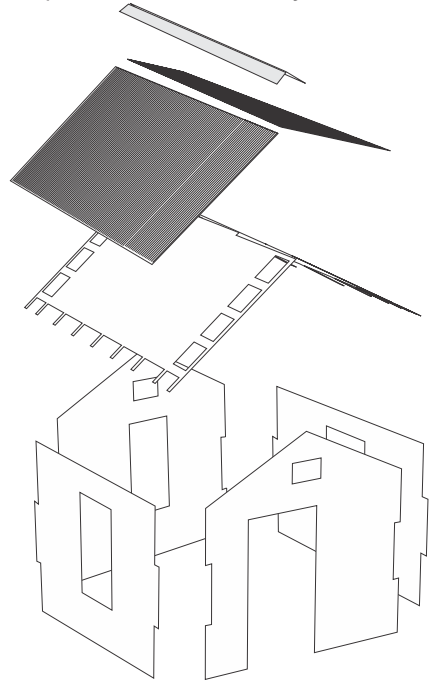
#2002 exploded view assembly illustrations

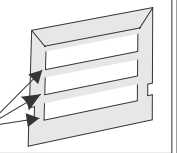
1

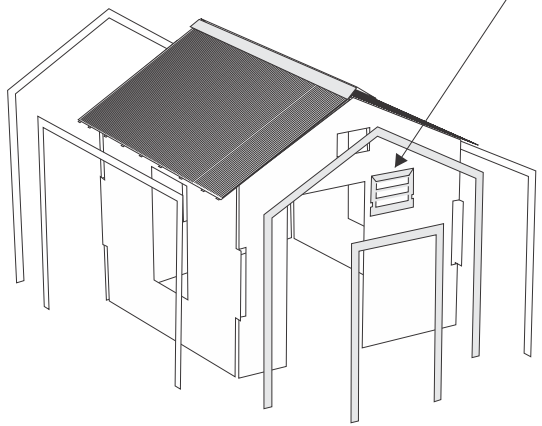


2

Vent detail tip

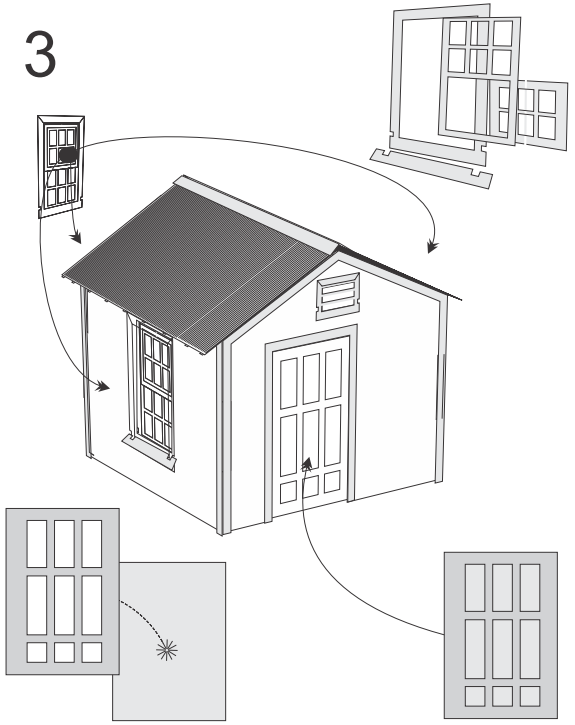
Using the blunt end of a Xacto blade carefully lift up these three points to accentuate the louvers





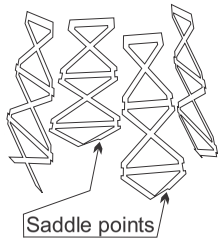
Trim frames and vents

3

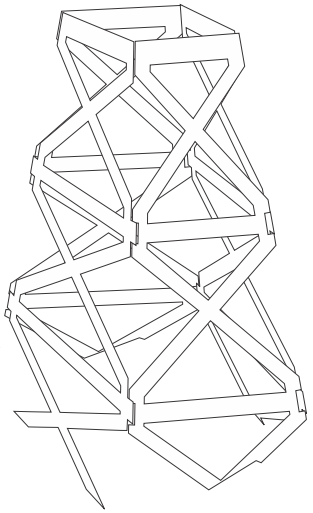


4

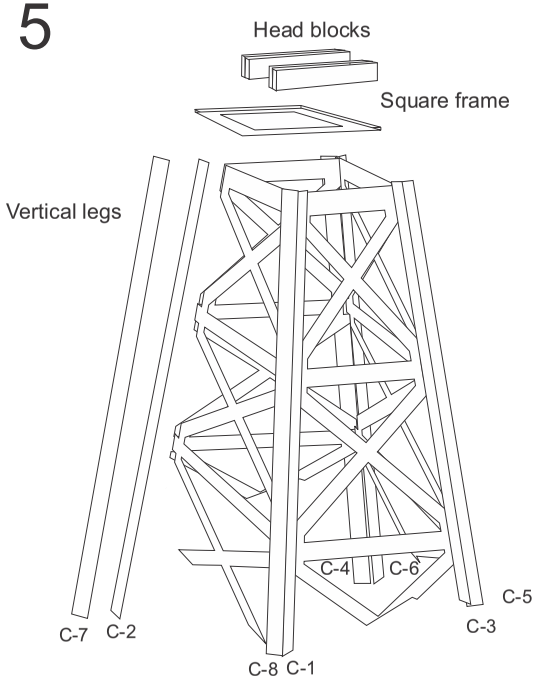
Assembled tower cross bracing oriented to the pitch of the roof



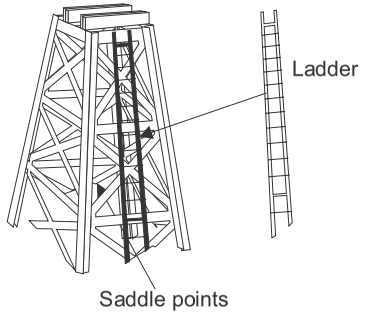
Saddle points

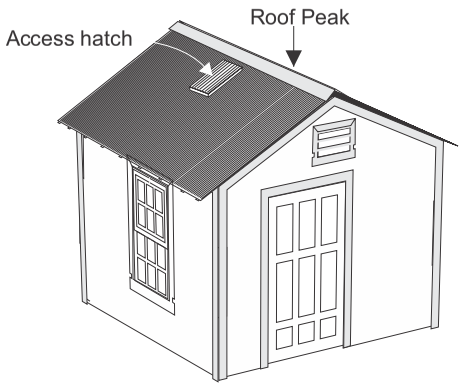


5

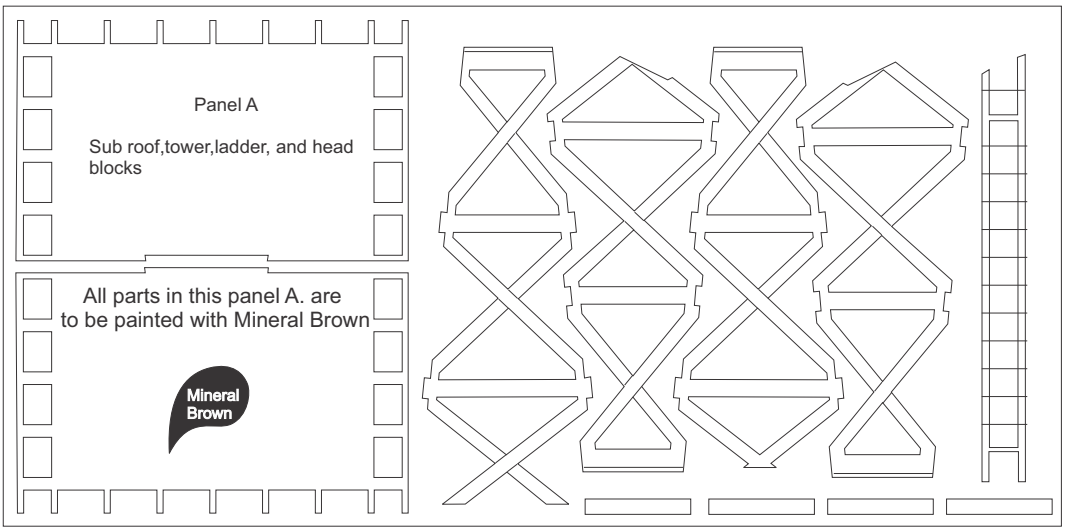


6



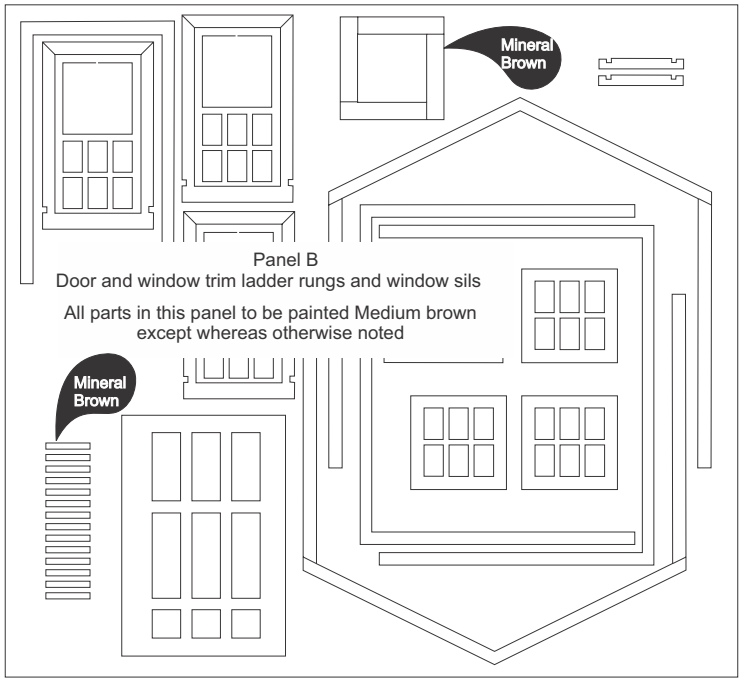


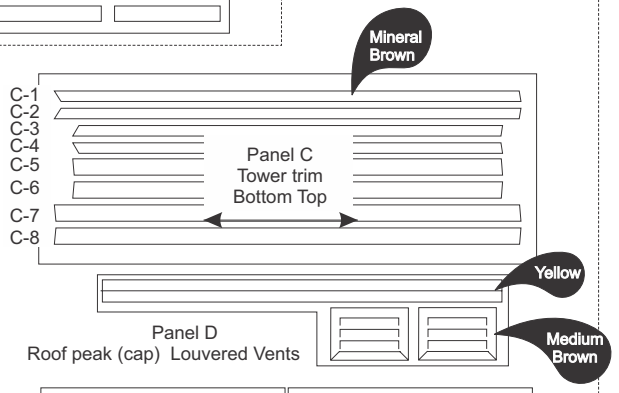
Parts Panel Inventory page

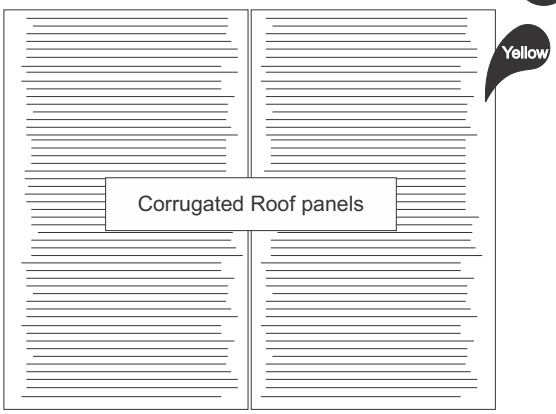


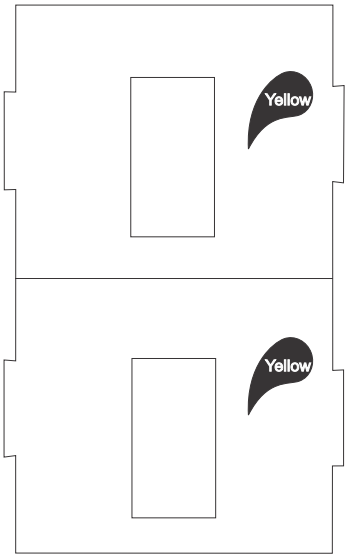
Together in small parts sub package

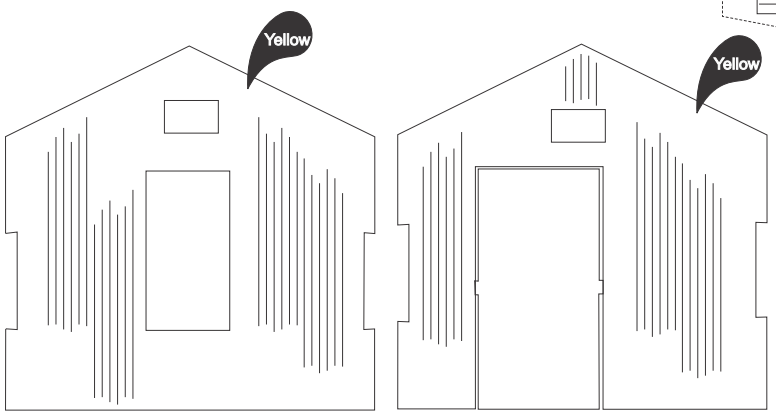
- Window glazing
- Panel C
- Panel D
- Corrugated roof panel
- Hatchs

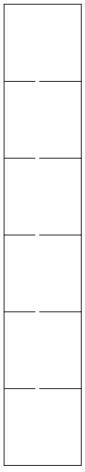












revised 10-12-10

Text instructions #2002

Thank you for purchasing our #2002 HO scale Water Pump house. Before beginning the assembly of your kit, look at the parts inventory drawings and identify the parts panels in your kit. The panels have reference to their respective paint colors shown in the parts panel inventory page of the instructions. There are three colors that are used in the painting of this kit: yellow, medium brown, and mineral brown. SP used a yellow they refereed to as colonial yellow. Although colonial yellow is not a color you can buy over the counter at a model shop I was advised that you achieve a colonial yellow by mixing 50%reefer white with 50% reefer yellow. That is what I used for the model shown on the front of the package. For best results we recommend painting the parts while they are secured in their parts panels. Then follow up by painting the edges and doing random touch ups as you go. To make parts identification easier we have cut the parts so that they stay in their respective panels and do not shift out during transportation and handling. Because of the varying hardness (density) of the wood you may need to assist the release of some of these parts by drawing the blade down the laser cut groove. An Xacto knife (or equivalent) with a sharp #11 blade is very useful in helping you to do this. When the part is removed from the panel carefully sand the edges to remove any roughness or soot left from the laser. Finally you will need some wood glue and a flat surface to build on.

The following steps are related to the illustration page drawings 1 through 6.

1. Remove the panel inside the wall with the door opening and the access hatch located in the window of one of the wall pieces. Save these parts because you will need them later. Assemble and glue together the four walls, two sub-roof pieces, the two corrugated tin roof pieces, and cap (***fig.#1)***. For best results installing the cap, bend it to match the peak prior to removing the adhesive. It has a groove that will assist you in folding and keeping the bend straight. Once you have matched the angle of the peak remove the adhesive paper and install it in place. Now is a good time to touch up or paint the assembly you have just completed. You will also need to paint the backside of the part you removed from the doorway of the wall and the window. SP used the color Colonial Yellow.

2. Paint the parts in the trim and window panel (parts panel B) and the vents in the bag (panel D). After you have painted them in their secured parts panels remove the parts one by one and paint the edges. After the parts have dried remove the adhesive backing and stick the trim parts to the walls, as shown (***fig. #2***) Trim paint color is medium brown.

3. Assemble the windows as shown in the layered sequence (top right hand corner ***fig. #3***) and the door (bottom left hand corner ***fig. #3***). Be sure to place window glazing behind the windowpanes (clear styrene located in bag with panel D) cut to fit the back of the windows.

4. Paint the tower cross bracing while still in their respective panel (panel A). When the painted parts have dried remove them and assemble before gluing, because the tower does not sit on dead center you will need to orient yourself with the illustration. The original SP drawings are also helpful in showing this relationship. We have pointed out the saddle points (***fig. #4***). This is where the center of the roof lines up with the tower. Once you have become familiar with tower's position on the building glue the tower cross bracing together. Now assemble the ladder. The vertical boards of the ladder are joined at the top and bottom and have evenly spaced marks to guide where each rung on the ladder should be placed. The adhesive backing of these small ladder rungs should make it easier to fit and adjust as you go. Use mineral brown color paint.

5. Install the square frame on the top of the tower. Next install the head blocks. They are located in parts panel A., double them up making them into two head blocks as shown in the illustration (***fig. #5***). Then glue them on top of the square frame. Next you will stick the vertical legs on the corners also shown in (***fig. #5***). To help you place each vertical leg in its correct place we have assigned numbers relating to each leg. They are cross-referenced from the parts panel inventory page. If you follow this relationship the tower should stand straight up and down as shown in the photo.

6. Install the access hatch on the roof. Next (***fig. #4 and #6***) refer to the saddle point at the bottom of the tower. The tower should line up and sit on the roof with the saddle points resting on the roof peak. Finally glue the ladder on the door side of the tower.

It can be very challenging to write and illustrate good kit instructions. I believe the instructions can make a major difference in the quality of a kit. By no means do I feel that Showcase Miniatures has this department all figured out. If you found a particular part of this kit to be very good or bad please let me know. I will continue to improve future instructions and your input is critical to that improvement.

Thanks to the encouragement of my friend Bruce Petty. Showcase Miniatures was able to attain the original SP drawings that this kit is patterned after. By the way Bruce produces 6 volumes of the SP common standards books, published by *SteamAge Equipment Company*, Dunsmuir CA.. They have been the inspiration of other Showcase Miniatures kits in the past and ones you will see in the future. I highly recommend his books for anyone wanting to scratch build SP prototype projects. They can be attained from many railroad hobby bookstores.