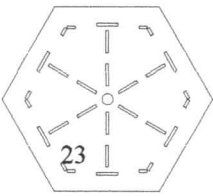


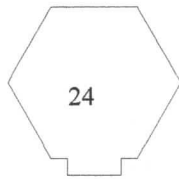
New York Central Crossing Watchman's Shelter

S Scale
Kit #301002

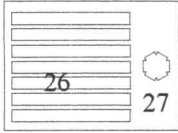
With interior



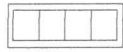
Interior Ceiling 1/16" thick



Base 3/32" thick

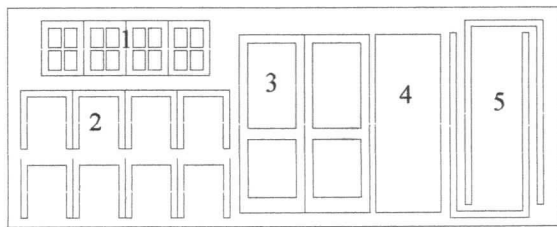


Paper Roof Trim



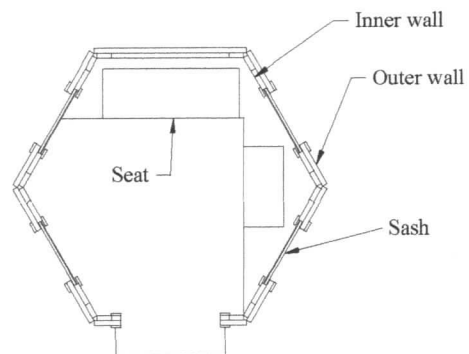
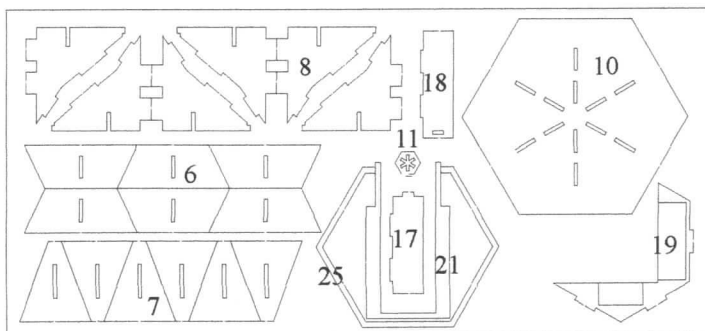
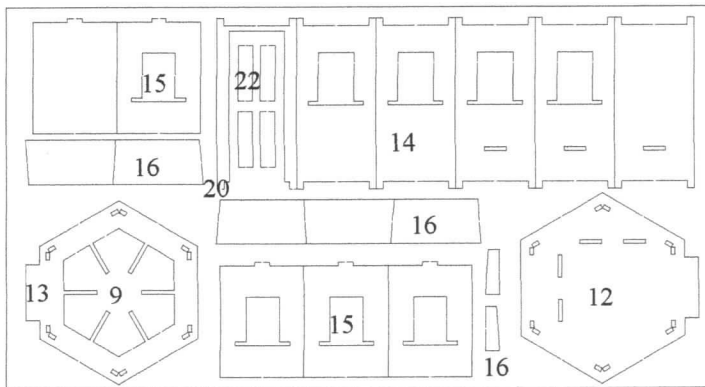
Clear Glazing

Paper Shingles



1/64" Thick Wood

Mullet River
Model Works
118 Huson Ct. • Plymouth, WI 53073
www.mulletrivermodelworks.com



1/32" Thick Wood

Parts List

#	Item	Qty.		
1	Window sash	4	14 Inner walls	5
2	Window trim	8	15 Outer wall upper	5
3	Door exterior	2	16 Outer wall lower	5
4	Door core	1	17 Seat base	2
5	Door trim	2	18 Seat base	1
6	Lower roof facet	6	19 Seat	1
7	Upper roof facet`	6	20 Inner door wall	1
8	Roof ribs	6	21 Outer door wall	1
9	Roof rib tie	1	22 Window sills	1
10	Roof base	1	23 Interior ceiling	1
11	Roof key	1	24 Base	1
12	Floor	1	25 Spacer ring	1
13	Sub floor	1	26 Ridge caps	6
			27 Roof cap	1

The Prototype

The prototype for this model appeared in the December 1986 Model Railroader magazine. That article stated that the shelter was painted light and dark green. In the photo accompanying the article it looks like the shingles are wood and I would think they are natural wood color. The photo is also interesting in that the levers to actuate the gates are out side the shelter. For further information on these shelters I would recommend contacting the New York Central Historical Society

Tools and Tips

You will need a sharp hobby knife, files, rubber bands, small paint brush, low tack masking tape and a good selection of small clamps. When cutting the parts lose from the rest of the group look for the tabs. Pressing the tab with the hobby knife will cut it. Look close at the part then. You may want to touch it up with a file to remove the rest of the tab. Yellow carpenters glue and spray rubber cement work well to assemble this kit. Place a small amount of the yellow carpenters glue in a container and thin with a little water. Apply the glue with the small paint brush to the surfaces that will be glued. The glue will dry fast so thinning it will help the spreading and give you some time to work it. Don't thin it to much or you will lose some of the adhesive properties. When clamping two flat surfaces together be careful that the parts don't shift. The glue can be slippery. When the brush starts to get stiff clean it in water. You may want to paint some of the part prior to assembly. Use the low tack masking tape and place the parts on the tape. After spray painting the parts can be removed with easy and no adhesive transfer. To glue the clear glass to the sash and doors place the painted parts on some low tack masking tape and spray them with the adhesive. After the adhesive gets tacky place the clear parts on the painted parts. Then peel the sash or door off of the tape.

Assembly

This kit was a lot of fun to put together. To assemble this model it seems to work best to assemble components first and then assemble the components into the finished model. By assembling components you can put one aside to dry and work on another one while the glue dries on the previous one. The steps are numbered and named for those of you like me who don't read all the instructions. Follow the steps and have fun. If you get confused go back and read that section.

1. **Identify the parts** Look over the drawing and the parts to get a feel for how the parts are tabbed together and in what order you will want to assemble them and paint them. Also think of how you would want to clamp parts to dry.
2. **Assemble the roof** Work quickly here and you will be able to assemble this whole unit and clamp it all at one time. That will promote good alignment. Glue the interior ceiling part 23 to the roof base part 10. Keep the glue out of the slots in ceiling part 23. You will need these slots for the walls. Insert a few of the roof ribs part 8 into the tab slots to align part 23 and 10. Install the roof ribs part 8 onto the roof rib tie part 9. Then glue the assembly into the slots on the roof base slots. Lastly glue the roof key part 11 onto the top of the roof ribs. Clamp this whole assembly from the top to a flat surface and set it aside to dry.
3. **Assemble the floors** Glue sub floor part 13 to floor part 12. Use a few wall sections part 14 to align the floors by placing a wall section in the tabs on the walls into the slots in the floor.
4. **Assemble the walls** Use the now dry roof assemble and locate the inner walls part 14 and upper sections of the outer walls part 15. The outer walls have a slight scribe to them. This goes to the outside to locate the shingles when that time comes. Apply glue to the outer wall and place an outer section and inner section together in the appropriate slots in the ceiling. Do not glue them to the ceiling. Once the yellow glue tacks up take the wall section out and clamp it to a flat surface. Do this until you have done the 5 walls of the shelter. Glue the outer door wall part 21 to the inner door wall part 20. Use the inside opening of the door opening for alignment.
5. **Assemble the roof facets** Since you still have the roof assemble in your hands from the last operation glue the roof facets part 7 to the roof ribs part 8 using the tabs and slots provided. Don't worry about the gap between the parts. This will be covered and will provide a good guide for trimming the shingles. By the way those slight scribe lines go to the outside to help align the shingles. Once you have all of these in place glue the lower roof facets part 6 onto the assembly using the tabs and slots provided. Set this aside for a bit to dry.
6. **Assemble the door and paint sash** Glue the door trim part 3 to the door core part 4. Stick this assembly and the sash part 1 onto some low tack masking tape and paint one side.
7. **Assemble the walls** You will want to work quickly through this section so you can get everything glued while the glue is pliable. Glue the seat base sections parts 17 and 18 into the appropriate slots in the floor. Glue the rear wall assembly with no window into the slots in the floor. Glue the seat onto the seat base and into the slot provided at the back wall. Glue the two side walls with windows and slots in next aligning the slots in the wall

with the tabs on the seat. Glue the remaining window walls and door wall in next. Install the roof assembly for alignment but do not glue it. Clamp this assembly and set it aside to dry.

8. **Paint the sash and door** Flip the sash and door over and paint the back side. At the same time paint one set of trim part 2. This will be used on the inside later.

9. **Assemble the lower walls** Slide the spacer ring around the outside of the building until it rests on the floor piece. Glue it in place. Now glue the outer wall lower sections part 16 to the walls. The slight scribe lines go to the outside to help with aligning the shingles. The bottom will rest on the floor with the spacer ring behind it and the top will fit under the outer wall upper section. The two small pieces go next to the door. Look them over closely it is hard to see the angled edge. That edge will go away from the door. Glue the outer window trim to the window openings. Install a window sill part 22 into the slot below the window temporarily to help with the alignment. Do not glue the window sill in yet. It is easier to put the shingles on with out it.

10 **Shingle the building** Put a new sharp blade in your hobby knife. Rough cut some shingle strips to length. Apply yellow carpenters glue to the side of the wall at the base for one row of shingles. Apply the shingles on alternating sides of the wall so the over hangs will not inter fear. By the time you get three on the first will be ready to trim. Use the gap between the wall sections as a guide and trim the shingles. Apply the missed sections and repeat. Keep going there are a lot of them to put on. When the walls are shingled clean out the slots under the windows and glue the window sills part 22 in place. Do the roof shingles the same way. It may be a good idea to stain the roof shingles first. The paper roof ridges part 26 are scored slightly so they will bend. I slightly bent them first and then sprayed them with rubber cement before removing them from the piece they were cut from. Once the glue tacks up cut them lose and press them to the ridges of the roof. Glue the cap part 27 on the roof next. Install the smoke stack of your choice.

11 **Paint the shelter** Spray the body exterior and interior your base color. Paint the trim your accent color. Spray the window sash that is still on the masking tape with rubber cement and let it tack up. Cut the clear glazing lose and press them to the sash. Install the sash from inside of the shelter and hold it in place by gluing the interior trim over it. Glue the door in the closed or open position which ever suits your fancy.