

Working with Rusty Stumps Factory Windows

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Understand that the Factory windows offered by Rusty Stumps do not assemble into a unit that is then installed into an opening. Rather, they are assembled in the opening itself becoming an integral part of the wall.

The method of installation of these items is virtually the same with only slight variations. Once you have installed one type you will have little to no issues installing any of the others.

These directions are general in nature and so don't deal with a specific product. With that you may find you will need to vary some from the directions given here.

As these factory windows do not come with any trim and the frames are real narrow on the sides it is important that your openings be made to fit the outside dimensions of the frames. The dimensions given on our website for the opening sizes are approximate. You will need to measure the actual frame(s) you are installing to make sure you make the proper size opening.



Like any modeling project planning is important here and should be done before proceeding with installation.

RSSM makes recommendations on the steps to proceed to install the windows. These are "Best Practice" methods but you are free to proceed as you choose to attain the results you desire.

A general instruction sheet is included in the poly envelope of each of our Factory Window offerings. Read it along with these instructions.

NOTE: These instructions are provided with the understanding that you have yet to assemble the walls of your building. That will be done after the windows have been installed into the walls not before.

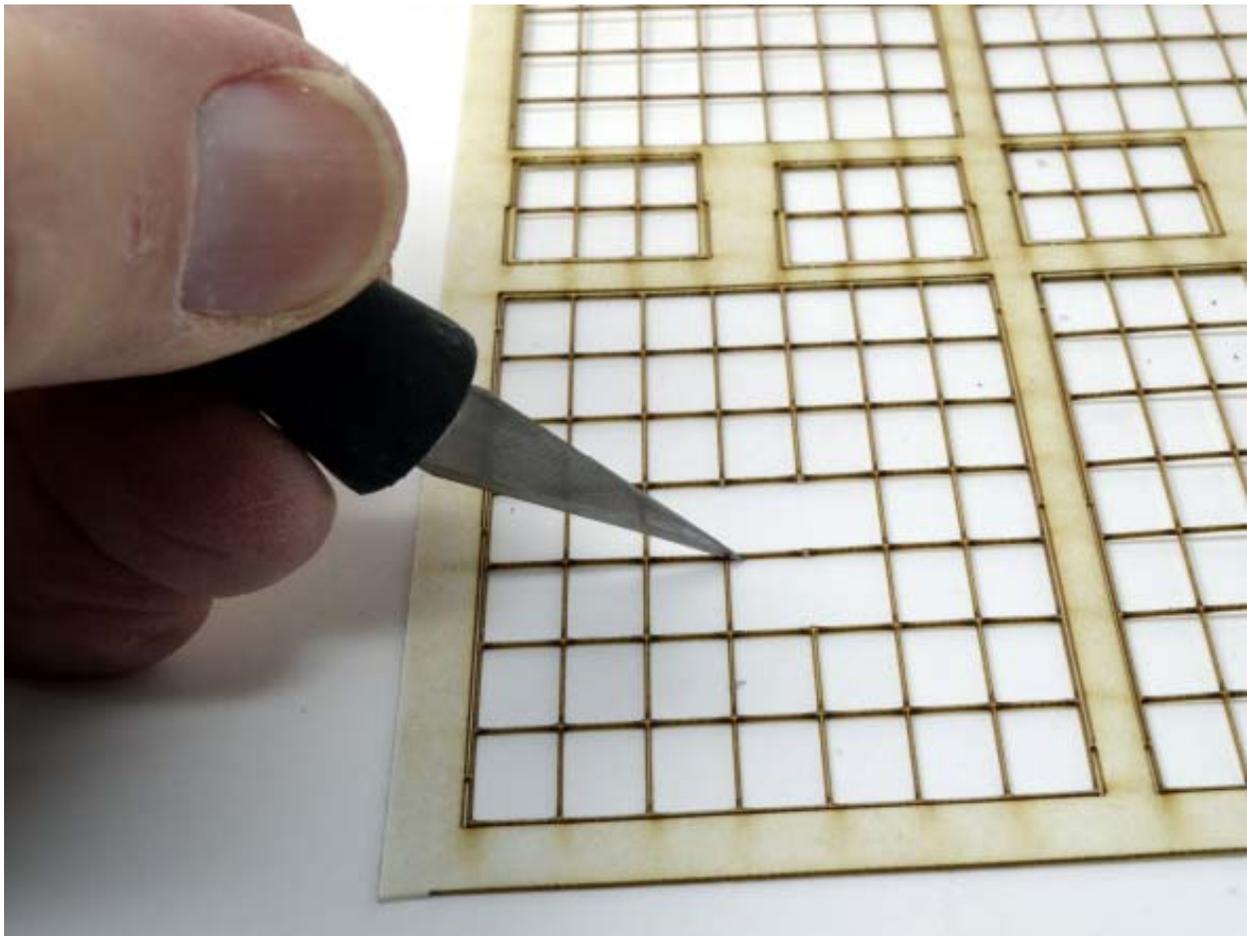
Let's proceed.

1. You must decide first if you are going to install a tilt out window frame or not. If you do want a tilt out frame then proceed as follows, otherwise skip to step 5.

2. The tilt-out frame can be installed anywhere in the overall frame area that you want it to be. Some windows would have it near the bottom, others in the middle and still others closer to the top. It would depend on the type of ventilation needed.

3. You need to cut two rows of vertical mullions within the area that the tilt-out frame will be inserted.

4. You only want to cut those mullions on the inside. Ex: you have a tilt-out frame of 4 wide by 2 high openings. You would only cut the center two mullions



Here you can see the vertical mullions being cut. The center, horizontal mullion, is not cut and will become the fulcrum to pivot the tilt-out frame on. Only the two mullions in each row are cut.

in two rows where the tilt-out is to be installed. See photo above.

5. It is recommended that you paint or stain your windows before removing them from the carrier sheet that they came on. Do not soak the frame when painting. This is a plasticized cardstock material and too much water will warp it. Use light multiple coats or an air brush to paint the frames. Paint the frames a metal color such as silver or light grey. If you want, add rust in spots.

6. Allow the frames to totally dry before proceeding further with their installation.

7. Check the center, horizontal, mullion to make sure it's reasonably smooth where you cut the vertical mullions free.

8. Turn the window carrier sheet face down on your clean work surface.

9. Cut the protective layer about halfway between the frame you are looking to use and others that will remain on the carrier sheet.

10. Remove all the protective layer from the back side of the self-adhesive carrier sheet on each of the items to be glazed. .

NOTE: *If the acetate sheet comes in contact with the permanent adhesive on the back of the carrier sheet it will be almost impossible to peel back off. Take care!*

11. Carefully position the sheet of acetate, that came with your windows, over the back of the carrier sheet high enough **not** to allow it to touch the

glued surface.

12. Keeping the acetate sheet taut, lower one corner to the glued surface and then slowly lower the rest of the acetate sheet in a sort of rolling action so that it progressively comes in contact with the glue moving towards the opposite corner.

13. Once the acetate sheet has made contact on the back of the carrier sheet proceed to lightly burnish it. Progressively increase the pressure on the burnishing to make good contact between the acetate sheet and the glue. Do not press so hard as to distort the carrier sheet material.

NOTE: *The tilt-out frame will be installed last after the window frames are*

installed and the building assembled as it's too easy to damage them otherwise.

14. At this time your wall openings should be prepared if you have not already done so. The openings need to be slightly larger than the finished size of the windows that they will receive. If you choose to add sills or headers do that before installing the frames. The finished vertical opening should be correct to allow the frame to slide in, but not overly snug.

15. The outside wall surface of your building should also have been painted with it's final color at this time. Things such as aging solutions (India Ink and Alcohol) may wait until the final assembly of the building is complete. Spraying with such things as Dullcote Lacquer should be done before the windows are installed otherwise the acetate will take on a frosted look.

NOTE: *There are alternatives to installing the windows. Following is one way. A second way is in the Alternatives section at the end of the step by step.*

16. Cut the acetate out within the area of the frame that the tilt-out frame will be installed. To do this use the frame opening as a guide. Be careful not to cut the frame and ALWAYS cut OUT of the corners, never into them. Do not try and cut the acetate along the center mullion nor behind it. It will break loose when you remove the piece of acetate from the opening.

17. Carefully remove the waste piece of acetate from inside the tilt-out frame area.

Check to make sure you have a smooth cut all the way around this opening. If not trim it now.

18. Place window frame into the opening and position it the distance you want it from the front edge. A piece of the correct size of strip wood could be used as a gauge to set the window back from the front or rear edges. Check all four sides.

NOTE: *Tacky glue is recommended for installing the windows but CA glue can be used as the frames contain plastic and the glue will hold. Be careful of wicking.*

19. From the backside of the wall place small drops of glue at each of the four corners where the frame touches the wall. Then place additional small drops of glue along all edges.

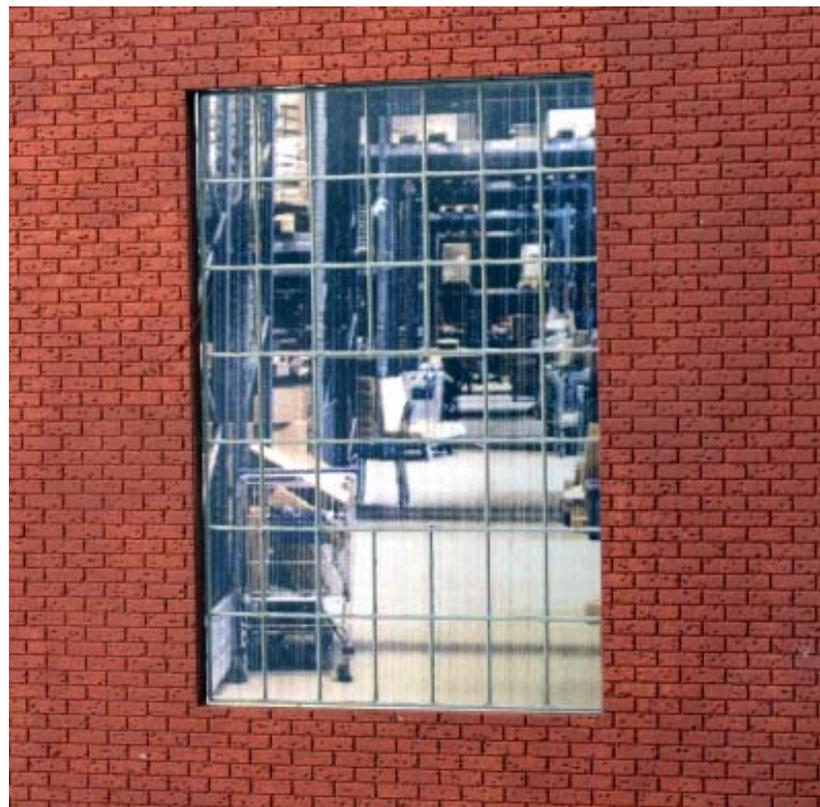
18. Allow each of your windows to dry totally before proceeding further.

19. Assemble your building taking special care not to damage the frames as you do so. Check them as you go.

20. Apply a thin layer of Tacky Glue to the top and front edge of the horizontal mullion that will be the tilt-out fulcrum.

21. Position the tilt-out frame so the narrow part inserts into the opening above the horizontal mullion. Push it back far enough so that the front side edges come in contact with the window frame opening then lower it onto the horizontal mullion. Position the tilt-out frame at the angle you prefer and allow it to totally dry.

These instructions on the installation of our Rusty Stumps Scale Models factory style window are fairly generic and are meant as a general guideline and not specific about any one of our fine products.



Factory window without the tilt-out yet installed.

Alternative Ideas:

NOTE: *As stated earlier here are alternatives to installing the windows.*

Following is a second way.

1. Turn the window carrier sheet face down on your work area.

2. Cut the acetate about 1/8" to 3/32" away from the frame edge to the outside.

3. Turn the carrier sheet back over face up and cut the very small tabs holding the frame to the carrier sheet. Do not cut through the acetate.

4. Turn the carrier sheet back over face down and slowly peel the acetate sheet from the area of the carrier sheet around the window frame. The window frame should lift with the sheet of acetate.

5. This will give you a the window frame with a acetate extension all the way around.

6. Place the window frame into the opening from the back side with the acetate edge flat against the back of the wall.

7. Place the wall face down on your work surface and proceed to place drops of sticky glue at each of the four corners and midpoints along all edges. Place this glue right at the edge of the acetate so it wicks in under the acetate. Do not put too much glue on so it goes in on the glazing of the windows. Allow the glue to dry.

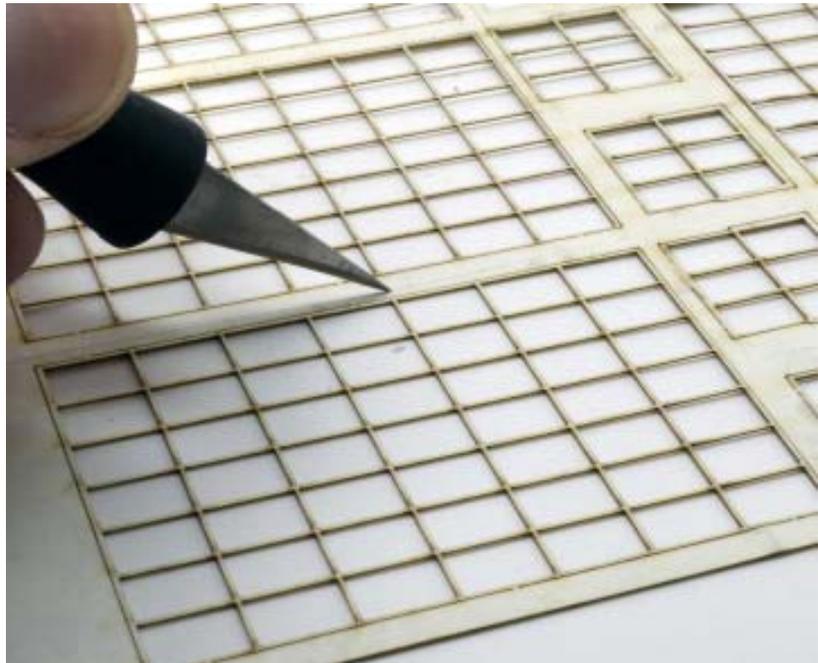
Other things you can do to finish off these factory window frames.

1. Don't put a vent frame in at all. Some factory windows don't have them.

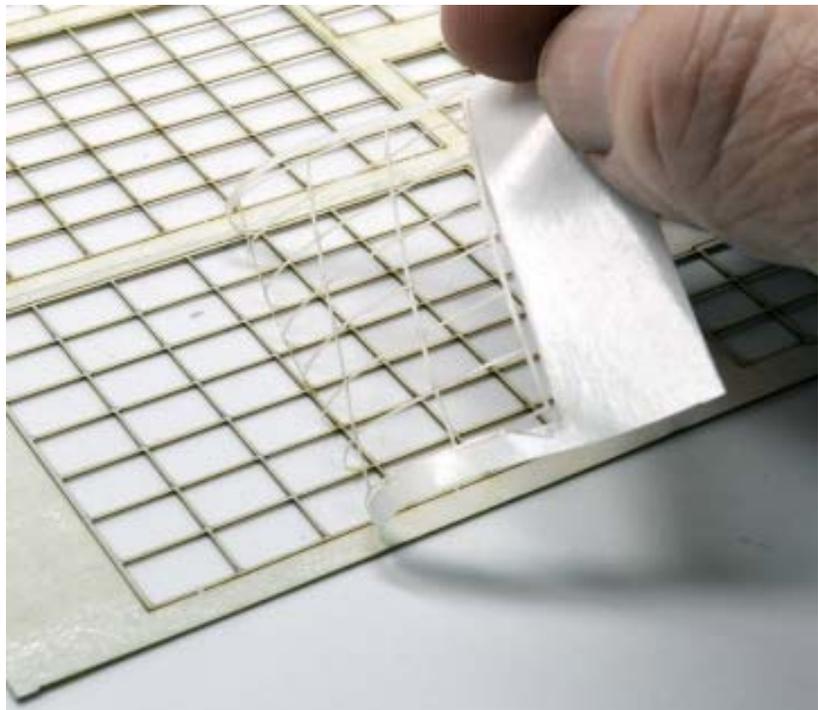
2. Replace the area where you might put a vent frame in

with a solid piece of styrene. This could have a hole in it for a vent pipe, a exhaust fan, a cyclone exhaust or the whole area could be a louver vent.

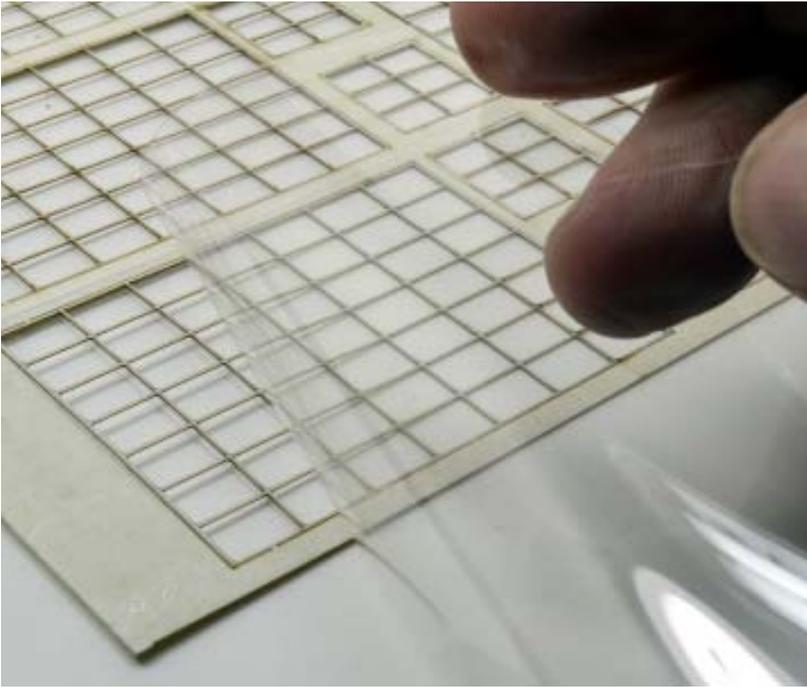
Big thing here is use your imagination and you can do a lot of things with these windows.



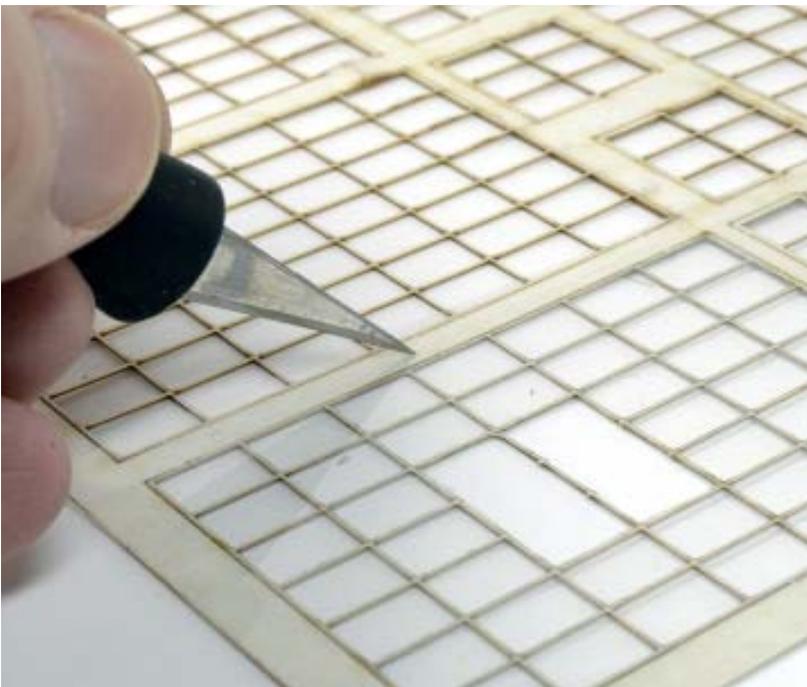
Cutting the protective backer sheet.



Peeling the protective backer sheet.



Applying acetate glazing sheet.



Cutting the acetate glazing sheet about 1/8" outside the frame.