

Korber Models

Scale Model Railroad Structures

165 E Main Street
Atlanta, IN 46031USA

765-292-2044

www.korbermodels.com

Model MRS 1011 O Scale Kendall Manufacturing Company Background Building Instructions

Compiled by: Rich Redmond




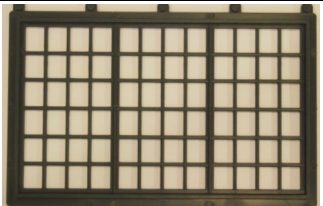





Introduction

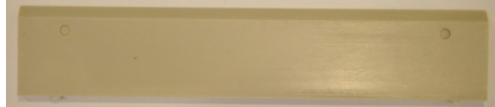




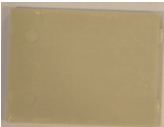



Congratulations, you have purchased the Korber Models #MRS1011 Kendall Manufacturing Company. You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout. These parts have been designed to be a complete modular system so that many styles and configurations can be built simply. You can mix and match to create your custom structure or build a pre defined kit. Before you start you may want to read through the instructions to get a feel for the things you will be doing, and the basic order in which they will be done. You are on your way to adding a great piece to your layout, so let's get started!



Parts list & Templates – (What's in the box)

Take a few minutes to locate all the parts in the box to make sure you have all the pieces you will need and that the quantities are right. If you are missing anything, please contact us so we can get you any of the missing items.

Qty	Description	Qty	Description
2	MRS100 - Peaked Top 	3	MRS101 - Straight Top 
10	MRS200 - Window Wall Section 	10	MRS203 - Green Window Insert 
2	MRS300 - Doorway Wall Section 	2	MRS302 - Loading Door insert 
3	MRS400 - Blank Wall Section 	3	MRS500 - Foundation used with Blank/Window Wall 
3	Sheet of clear plastic "Window Glass"	2	MRS501 - Foundation used with Door Wall 

Qty	Description	Qty	Description
4	MRS700 - Building Top Corner Pilaster (beveled) 	4	MRS701 - Building Middle Corner Pilaster (beveled) 
4	MRS702 - Building Foundation Corner Pilaster (beveled) 	4	MRS703 - Building Top Straight Pilaster 
4	MRS704 - Building Middle Straight Pilaster 	4	MRS705 - Building Foundation Straight Pilaster 
2	MRS706 - Building Top Corner Pilaster Cap 	4	MRS707 - Building Top Straight Pilaster Cap 
4	12" - 1/4" x1/4" wall brace material 		

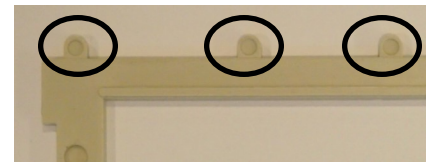
Materials needed – (What else might I need that is not included)

The Korber #MRS1011 Kendall Manufacturing Company, like any kit, requires a few additional items to complete the construction. We have included a list here, including some color and brand suggestions based on our experience; however you may use any product that fits the function. Please also note that some items are listed as options such that they either make assembly simpler, or are needed only for optional steps

- Flat paint, choice of colors, for doors, windows, trim
- Light grey or cement color paint for walls
- RustOleum camouflage flat spray paints work well for painting the structure, window frames, and doors
- Paper towels or soft cloth rags
- Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well
- CA glue accelerator (optional) (turns any CA glue into quick set glue (optional))
- Medium grit sandpaper or emery board
- Testor's Dull-cote™ (optional)
- Small clamps (optional)
- Flat black or grimy black spray paint (optional)

1 - Parts preparation & painting

Look over all the molded parts and remove any flashing or small nubs that might be left on them. Flashing is the thin pieces of the molding material that may be left in widow openings and along edges in the molded parts. This can quickly be removed with a razor type knife, angled cutters, a small file, or an emery board.



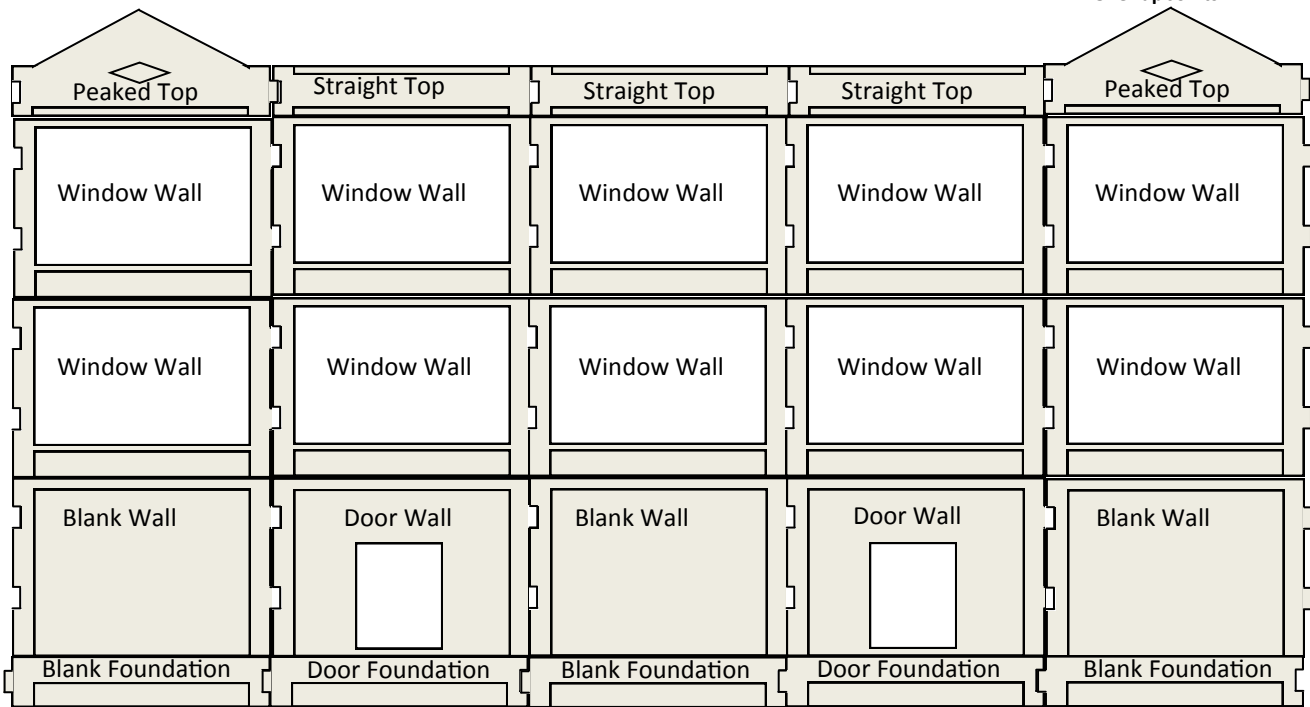
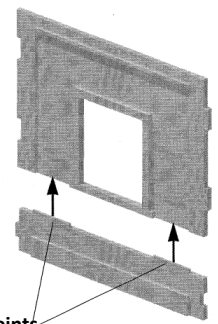
The parts in the kit can be assembled in the color they come in or optionally you can paint them to the final colors you select, for parts such as the windows or doors, it is much easier to do this step before you completely assemble them. The windows and doors come colored in gray, red or green, however you may want to apply a light coat of flat paint in the color of your choice, RustOlium Camouflage spray paints give a great look. Paint in a well ventilated area (outside is good).

2 - Assembly of Walls Section

In this step we will assemble individual wall sections together to make a complete front wall of the structure. The assembly of the walls of the structure is based on gluing together several modular sections to make a continuous front wall. On the next page is a front view drawing of the relationship of the modular wall sections use to make the front wall. We have found it is simpler to build the wall sections in vertical "columns" the complete height of the structure, then glue the multiple "columns" together to make a front wall frame.

- Some sanding may be necessary. Sand edges only where you need to glue to ensure a smooth fit
- Starting at the foundation glue two sections together aligning them on a flat surface face up and let dry, note there are small tabs on the foundation and on the top sections that overlap the piece above or below as show in diagram on the next page

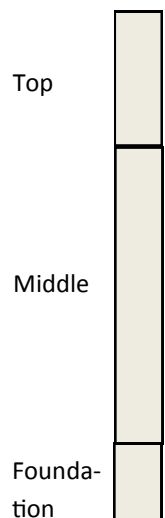
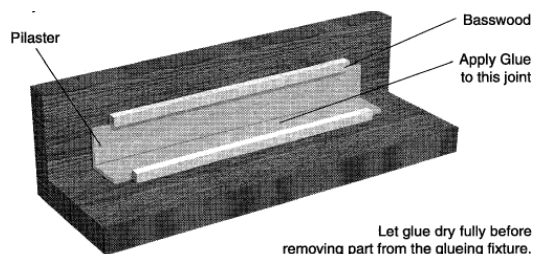
- Repeat the last step but using the remaining modular wall sections in the left most “column” to create a continuous piece
- Optionally use clamps as necessary to hold pieces together
- Repeat the previously steps four more times to create a total of five “columns” using the diagram provided below as a guide
- Dry fit the previously construction columns together to ensure a solid fit, once certain glue together along the joint.
- Repeat the above step for the next four columns using the diagram below as a guide to complete the front wall



3 - Assemble & Install Pilasters

In this step we will assemble the pilasters that cover the seam between wall sections. The assembly of the pilasters is based on gluing together several sections together to make a continuous pilaster from foundation to top of the structure. To the right is a drawing of the relationship of the three pilaster sections used to make a complete pilaster. In the three story building the pilaster sections are assembled full length, however in structures larger or smaller trimming the middle pilaster will be required to make the assembly the correct height.

- Glue the pilasters together end to end to make one continuous part, note the foundation pilaster is thicker than the others so join your parts together on a flat surface face up in order to get a perfectly flat backside. Use a straightedge as needed to ensure the assembly is straight.
- To make the corner pilasters, join the sections together end to end as described in the previous step with exception of the foundation pilaster.
- Using a right angle, or a fixture similar to the one shown at the right, join the corner pilasters together along the beveled edge, note the foundation corner pilasters should be made separately and not joined to the rest at this time.



- Once all the pilasters are made, place the previously assembled wall face upon a flat surface. Dry fit the center pilasters aligning from the bottom over the joint between the vertical “columns”, if any features or joints need to be trimmed to filed to ensure a smooth fit do so now. Use the drawing on the following page as a guide. Once you are satisfied with the dry fit, glue in place. Use clamps or a weight to hold down.
- Once complete with the center pilasters, turn your wall such that the end you want to place the corner pilaster on overhangs the end of you work surface. Starting with the foundation pilaster glue to the wall aligning to the raised features on the front wall. Repeat with the longer pilasters to complete the corner. Repeat steps to attach the other side.

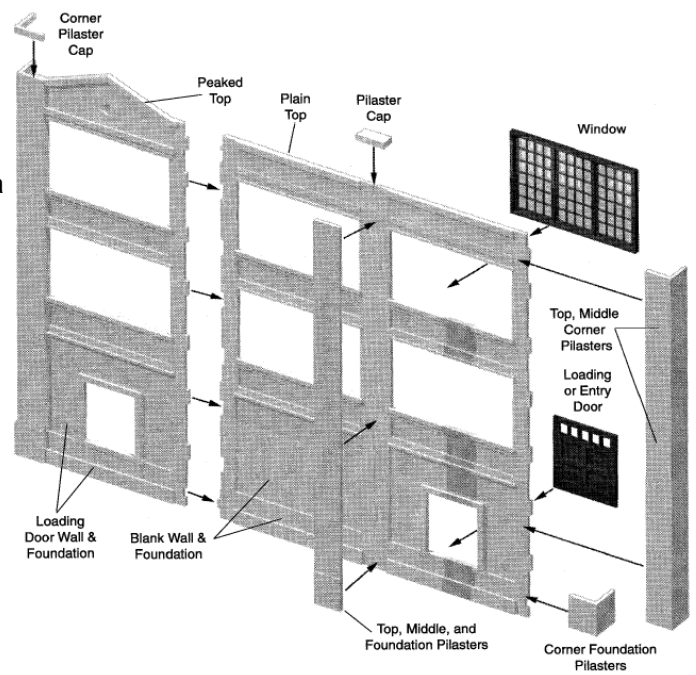
- Optionally you may want to use a brace across the back of several modules for added strength

All the wall sections come colored in a cement gray, however many modelers find a light coat of flat cement color or RustOlium Camouflage Khaki spray paint gives not only a great look, but also makes it easier to add weathering to the walls later on. In a well ventilated area (outside is good) apply a coat to the wall sections. Let the paint dry before moving to the next step

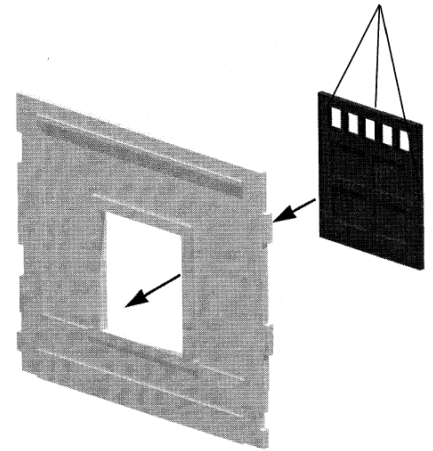
4 - Assemble & Install windows & doors

The windows & doors are made from injection molded plastic and will have a clear plastic sheet stock applied over the opening from the inside of the model to form a finished window.

- Carefully remove any flashing from the window & door frames
- If the window & door frames have not been painted, and if you would like to do so, paint them now and let them dry before moving to the next step
- Place the walls to which you want to add windows or door detailed (outside) side down on a flat surface
- The windows & doors are designed to insert in the opening from the back, or inside of the building
- Apply a small amount of glue around the edge of the frame and insert in the openings on the wall pieces
- Let the glued windows & doors dry before moving the wall sections to a vertical position to avoid glue running or the windows falling out
- Prepare to cut and glue small pieces of window material over the back of each window. Consider the following two window detailing options for the windows:
- If you want the window panes to have a hazed affect, lightly sand the window material until you've achieved desired haze affect prior to cutting into small window pieces
- You may also detail the windows with shades by covering the top portion of the window material with masking tape
- Cut window materials to fit over the back of each window & door – glue in place



Apply glue to these edges



5 - Final Detailing – Weathering

Your Korber Models #MRS1011 Kendall Manufacturing Company is now assembled and ready for placement on the layout. You may wish to provide some additional weathering before you install it as a building next to the tracks would be a heavily used structure with a layer of soot, and would rarely look brand new.

To add a weathered look, spray the entire model with flat black from a distance. This will give a sooty look to the building. Once done you can spray the completed structure with Dullcote to remove any gloss or shine.

If you choose not to detail the inside of your structure, or light it, an effective and quick way to make a good looking background building is to cover the windows with black construction paper from the inside. This creates a dark building look that is more desirable than the view in to an otherwise empty shell of a building.