



# Korber Models

Scale Model Railroad Structures

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**Model 956 O Scale 13" L x 8" W x 8 1/4" H**

**James Company**

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## Introduction

Up and down the mainline and branch lines, industry was everywhere making products for use in domestic and international markets. Furniture, textiles, machinery, even toys were made and shipped far and wide, and the **James Company** is the perfect model to represent these common industries. This model can be the center of activity on your railroad as a place people come to work, load trucks, pickup and delivery goods, and of course larger loads come and go by rail. Factories like this one were common across the heartland of America from the steam through the transition era. This model is a two story brick industrial building that is a perfect fit on your pike.

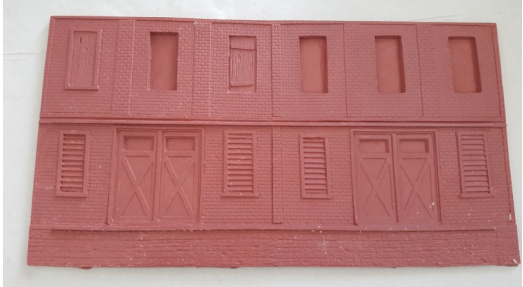



The **Korber James Company** model includes molded brick details, roof top details, covered loading dock, chimneys and injection molded windows to bring life to your model railroad.









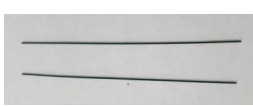



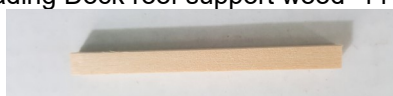

It includes easy-to-follow assembly instructions. Once assembled this model has approximately a 8" x 13" footprint. You can follow the simple, step by step instructions outlined in this document to easily assemble this great looking addition to your layout. We have covered not only the key required steps to build the building so you can get it on your layout the quickest, but have also included several optional steps to enhance the appearance. These enhancements are based on submissions from modelers just like you who have taken the Korber structures to the next level, and now by following a few extra steps you can achieve the same results.

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 centerpiece to your layout, so let's get started!



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

Qty	Description	Qty	Description
1	Side Wall w/ 2 double doors & 4 windows  <b>SIDE WALL #2 Loading dock side</b>	1	Side Wall w/ 8 windows  <b>SIDE WALL #4</b>
1	Front Wall w/ single door and 2 windows  <b>FRONT WALL #3</b>	1	Back Wall w/ single wood half door & 2 windows  <b>BACK WALL #1</b>

Qty	Description	Qty	Description
2	Main roof supports 	1	Main roof 
1	Loading dock deck 10 3/4" 	1	Loading dock roof 11 1/8" 
1	Loading dock foundation walls 2@1 1/2 x 3/4 1@10 1/16 	21	Windows plus 2 sheet clear plastic  
6	Cotter pins 	2	Down spout Wires 
1	Dock Stairs 	2	Loading Dock Braces 
1	Double Stairs w/ foundation wall 	5	4– Corner supports 5 1/4" 1—Loading Dock roof support wood 11 1/8"L 
4	Roof vents one each 		

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

The Korber Building, 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

“Red” automotive primer spray paint to cover all molded brick surfaces such as Krylon Ruddy Brown

Antique white craft paint for cement lines

Light grey or cement color paint for cement foundation and frame

RustOleum camouflage flat spray paints work well for painting window frames, gutters and doors

Small paint brushes

Paper towels or soft cloth rags

Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well

We like the new Gorilla brand super glue because it is thicker than most super glues, and allows you to put it on a seam while holding the part in your hand, and will not run when you turn the seam on the side to put two pieces together. This glue is available in most retailers, including the larger home improvements stores

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 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, a small file, or an emery board. Some may require more grooming than others as the flashing can be thick. Then it is time to wash parts with soaping water to clean of residue from mold release agent. Dry completely.

The parts in the kit will need to be painted to the final colors you select, and it is much easier to do this step before you assemble them. All the wall sections come colored in a brick red or yellow coloring, however many modelers find a light coat of flat red auto primer spray paint gives not only a great look, but also makes it easier to add the mortar color lines to the walls later on. In a well ventilated area (outside is good) apply a coat to the inside (smooth side) of all the brick wall sections first; once dry, do the same to the other side. By painting the **BACK** side first you avoid any marks that might appear on the brick textured side.



Use a similar process for the window frames and doors. You may want to paint both of these types of pieces the same color to create a theme for your building.

The internal wooden pieces do not need to be painted as they are for structural support only.

### Option

An optional step that adds a great deal of realism to any model of a brick building is to add the mortar lines to contrast with the red brick color. The ability to lay the wall sections on a flat surface, when done prior to assembly, makes this detail step simpler. There are several ways to do this, including use of water based paint (Antique White or Light Grey latex well diluted with water until the consistency is as thin as milk), some commercially available products, and the use of light spackling compound to fill mortar joints. In all of these approaches the general concept is to spread the white product you are using over the brick walls, filling in the mortar line grooves in the wall section, and then removing the excess from the top of the bricks. We will walk through the water based paint method.

One simple method we have used is to dilute some water based antique white or light grey craft paint to create a soupy like consistency.

- Cover entire wall section with diluted white paint, letting it settle and collect in the mortar lines
- Wait a few seconds and lightly wipe off excess paint using a slightly damp paper towel or soft cloth until paint is removed from the brick surface, but not the mortar joints
- Keep flat and let dry before moving so the paint in the joints does not run
- To remove haze from brick surface, apply a thin layer of Dull-Cote and wipe gently
- It may require several applications to achieve the mortar line that you want

The good news with this option is that if you don't like it, the paint is water based, so you can get it wet, remove it, and start over.

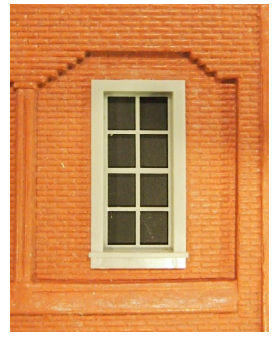
The foundation should be painted a cement or light grey color once assembled. There are other cement details that also can be highlighted with the cement color you choose.

Once dry, this area should be washed using a mix of either watered down black paint, or alcohol and India ink. The purpose of the wash is to settle the black color in the grooves/joints around the bricks and give definition. The wash should not be so dark as to overpower the cement/light grey color.

## 2 - Assembly & Install windows

The windows 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 frames
- If the window 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 brick side up on a flat surface
- The windows are designed to overlay the window opening from the front, or outside of the building, and will not fit inside the window opening if installed from the back
- Apply a small amount of glue around the edge of the frame and insert over the openings on the wall sections
- Let the glued windows 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 clear plastic material over the back of each window. Consider the following two window detailing option 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 effect 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



## 3 - Assembly of Steps

The steps come in two molded parts. These parts are glued together to form a set of cement steps with side walls.

- Sand and trim parts to match up.
- Place a small amount of glue along the edge of steps then attach the foundation wall to it, that way the glue won't show above the steps
- On the step for loading dock, just glue edge to loading dock decking and small dab of glue on wall when assembled.
- Once the steps are assembled and the glue has dried, the piece should be painted a cement color and left to dry



## 4 - Assembly of Main Structure

It is now time to start with wall # 2 with loading dock and wall #4 and rough up the side edges, but make sure they are square to bottom edge. This will help to enable a perfect joining with front and back walls.

- The next step is to lay wall sections # 2 and # 4 face down on a clean work surface. Now glue a 5 1/4 piece of wood to the side corners for more support in gluing front and back walls in place. Note: The bottom of supports will sit 1/2" from bottom of building. Let glue dry completely.
- Now glue side wall #2 to back wall #1. You will notice that the back wall has brick detail on the sides that should join seamlessly with the side wall.
- Repeat for opposite wall #4 and front wall #3. Make sure glue is setup before flowing steps.
- Once dry glue both wall assemblies together, making sure to keep a perfect rectangle.
- Once the building has set up completely, install the roof support for main building on walls #1 and #3. To do This, you must decide whether you want a slightly raised roof or a flat roof. **For a raised roof**, align the top edge of support (with angle facing up) with the top edge of both sides of long walls. Then glue in place. **IF you want flat roof** turn support over



and align in same fashion. Let dry completely.

- To install the roof, If **slightly raised** is going in, cut the roof panel in 2 pieces along the seam. Then attach to supports. You can also cut black duct or painters tape to cover the seam to give more support. This also produces a smooth roof seam. If **installing flat roof**, align the edges with some over hang and glue in place.

## 5 - Build and Install Loading Dock and Roof

- The loading dock has four pieces, a front section, two sides and a top section. Create a three sided "U" shaped part.
- Glue the "U" shaped base to the side of the building. Note that the dock sides should mate to slots in the side wall of the building rear.
- Dry fit the loading dock top of the loading dock base you have just attached to the building, some light trimming or sanding may be needed to get a tight fit to the building just below the loading dock doors. Once you are satisfied with the fit , glue the loading dock top to the base and the rear of the building.
- The loading dock roof has a black tar look to it that faces up, and attaches to the rear of the building in a slot above the freight doors. This roof section is supported by wood braces that sit on the dock floor. See the following sheet to see the door supports placements.
- Once the supports are dry top wooden support align on base and glue to base and side wall. Then it is time for the loading dock roof to be placed and glued down. Then add the side steps to side of dock.



## 6 - Final Detailing – Weathering

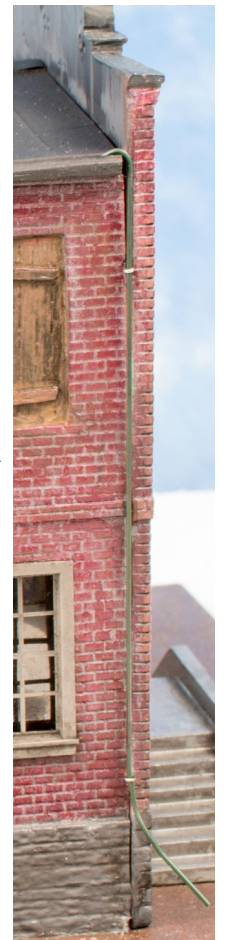
If you have not already done so, place and glue the steps assembled in an earlier step in front of the side and front doors.

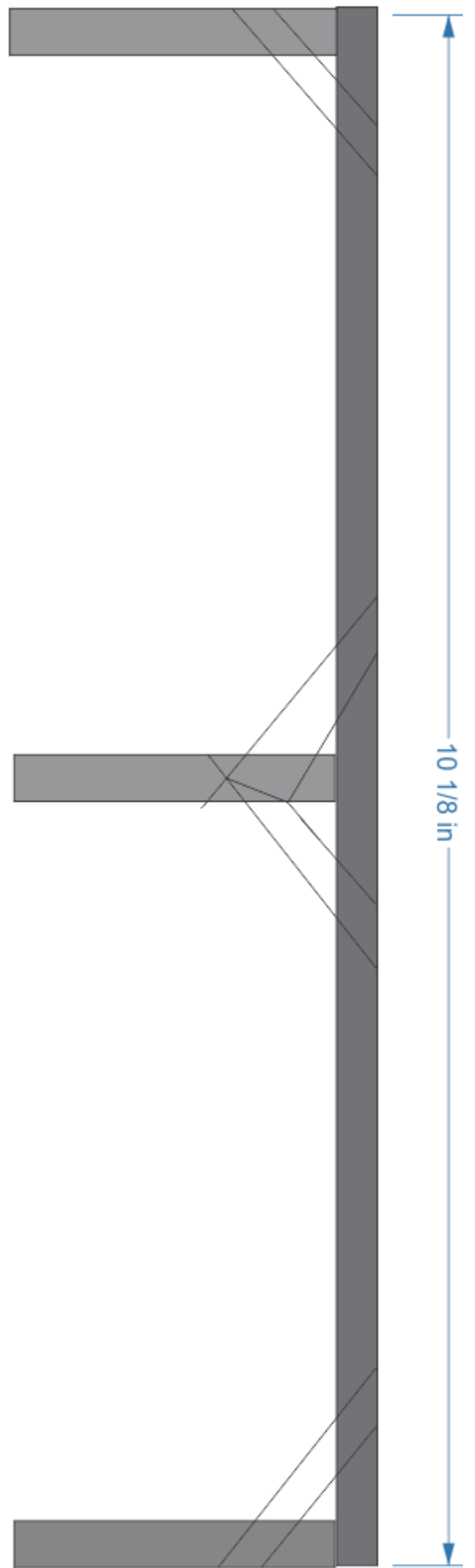
You can now add the down spouts to your building. Locate the side of building desired for the down spout, then drill a small 3/64 diameter hole in wall at top and bottom for the cotter pin anchors. Next bend the green down spout wires to acceptable shape and size and fit in the cotter pin circular ends with a dab of glue.

Your Korber Building 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. There are 2 smoke stacks for roof if desired. Just glue them to flat roof parts.

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 widows 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.





Ø 1/4 in



Loading Dock front view

Stairs

Slots in back wall