

# Korber Models

Scale Model Railroad Structures

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## Model 910 O Scale Alenco Co.

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10" W x 10" L x 8" H



### Introduction

Alenco Co is a place the people on your layout come to work, load freight, make deliveries, and otherwise serve as a busy hub of activity in any part of the community. This model is a two story brick industrial building that is a perfect fit on your railroad.

The Korber Alenco Co model includes molded brick details roof top details, freight doors and injection molded windows to bring life to your model railroad.





Buildings like this are still in use across the land serving different uses in the community. This structure fits nicely as a key business on your layout ranging from steam thru modern era.





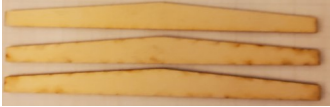
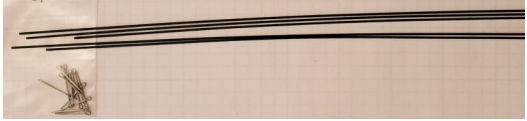
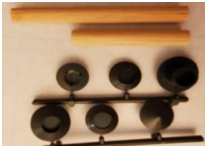
It includes easy-to-follow assembly instructions. Once assembled this model has approximately a 10" x 10" footprint.

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	Front Wall w/ 2 double doors & 7 windows	1	Back Wall w/ 7 windows
			
	<b>FRONT WALL #1</b>		<b>BACK WALL #2</b>
1	Side Wall w/ double door and 5 windows	1	Side Wall w/ 3 windows on top
			
	<b>SIDE WALL #3</b>		<b>SIDE WALL #4</b>

Qty	Description	Qty	Description
1	Side Wall with 3 windows 	1	Double stairs with foundation 
2	Loading dock deck 12"L—1 Loading dock roof 12"L—1 	2	Roofs (1 each level) 
3	Roof supports for inside side walls  <b>Invert supports for flat roof style.</b>	4	Down Spouts and Cotter Pins 10 
2	Chimneys 1 Long 3"1 short 1" with 3 plastic pieces each 	2	Plastic sheets for windows
2	12"L LD Roof Beam & LD Deck Beam	3	3 1/12"L LD Posts
2	5 11/16"L LD Deck Beams	10	1 1/4"L Beam Braces w 45 degree ends
2	1 3/4:L LD Deck Beams		<b>All wood may need trimmed to size</b>

## 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.

**If any parts are warped**, a hair dryer set on warm or hi setting for a couple minutes or placed on a flat surface in oven at 110 degrees for 10 minutes will help to soften the plastic. Just place heavy books or objects on top until cool to keep the shape.

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. (The colors can be different for the inside than the outside.)

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 part of the 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
- 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 as 1 part. The part forms a set of cement steps with side walls.

- Sand and trim parts to match up.
- Paint to desired color to match foundation or color of choice.
- When building is fully assembled, glue steps to building as shown in pictures.



## 4 - Assembly of Main Structure

- Next, assemble all the building walls as described in the wall layout sketch on next page. Be sure to assemble the walls square to one another. The use of a square would be helpful in this step.
- Some light sanding may be necessary to square up the wall sections at the glue joint.
- Tack each wall section together by placing a small drop of glue at the top, middle and bottom of the casting and then hold in place until glue has set, then run a bead of glue down the entire joint and immediately apply a shot of Zap-Kicker. This will form a tight, firm joint.
- Repeat for each wall section until wall sections are assembled.
- Glue the roof supports (wood or plastic) with the arch side facing up. These are glued to the end wall and 2 tall side walls. They sit so the edge is even with the side and end walls so the roof pieces will fit tight against the top edge of walls.
- If needed, you can take a sharp knife and cut the roof down the center, NOT ALL THE WAY THRU so you will be able to bend the roof to fit the angle of the supports.
- When all looks right, glue in place the roof sections. Allow to dry.



## 5 - Build and Install Loading Dock and Roof

- On a sheet of wax paper, assemble and glue the loading dock roof supports.
- While supports dry, assemble and glue the loading dock into the slot under the loading dock doors. When supports and loading dock are dry, glue the loading dock roof support onto the loading dock. When dry, glue the loading dock roof in place in the slot provided under the second story windows and to the top of the supports.
- Finally, assemble and glue in place the front stairs and any rooftop accessories.

## 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.

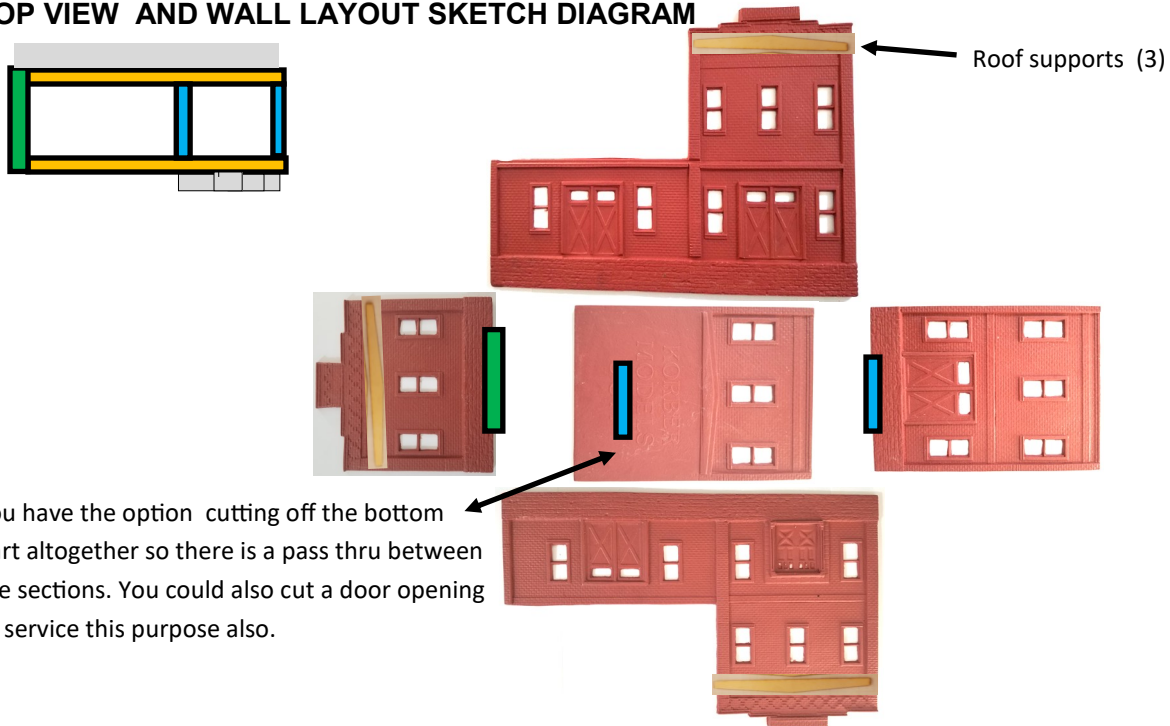
You can now add the downspouts to your building. Locate the side of building desired for the downspout, then drill a small **3/64 diameter hole** in wall at top and bottom for the cotter pin anchors. Next bend the green downspout wires to acceptable shape and size and fit in the cotter pin circular ends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

Your Alenco Company 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.

**TOP VIEW AND WALL LAYOUT SKETCH DIAGRAM**



You have the option cutting off the bottom part altogether so there is a pass thru between the sections. You could also cut a door opening to service this purpose also.

