



Korber Models

Scale Model Railroad Structures

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Model 702 O Scale Background Tall City Building

Instructions

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Introduction


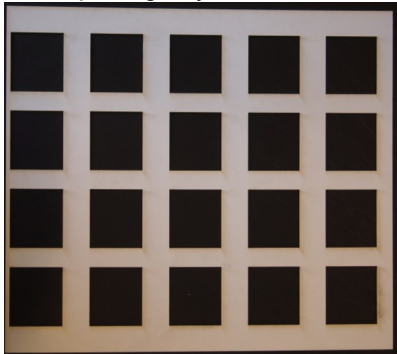
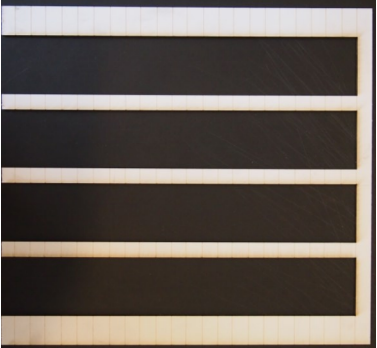
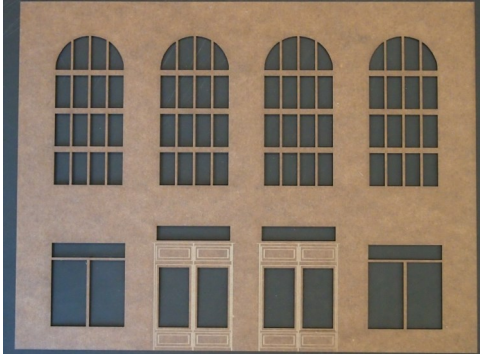
Congratulations, you have purchased the Korber Models #702 Background Tall City Building. The Background Tall City Building kit is one of the new line of Korber O Scale kits. This kit represents the thousands of tall buildings you would find in cities from coast to coast, and is right at home from the steam to modern era. Standing at an impressive 32" tall, this compact kit (11" x 1") can fit right in between the track and wall to provide large impact in a small space. 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 required key steps to build the building so you can get it on your layout the quickest and some extra details you can add.

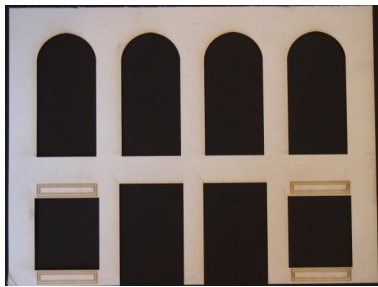
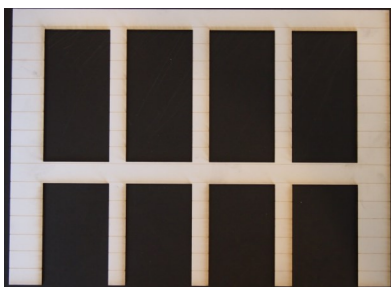
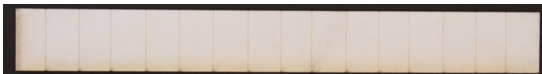
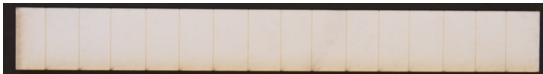








Before you start you may want to read through the instructions to get a feel for the things you will be doing, and the basic order in which they will be done. You are on your way to adding a centerpiece to your layout, so let's get started!

Parts list – (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. You may also want to spread these parts out so that you have a small separate stack of each part and make it easy to find each as you start the assembly process. If you are missing anything, please contact us so we can get you any of the missing items.



Qty	Description	Qty	Description
2	Upper Window Frame Layer 	2	Upper Window Opening Layer 
2	Upper Front Pillar Layer 	1	Lower Window Frame Layer 

Qty	Description	Qty	Description
1	Lower Window Opening Layer 	1	Lower Front Pillar Layer 
2	Lower Side Pillar layer 8" x 1" 	4	Upper Side Pillar Layer 12" x 1" 
1	Clear Acrylic 1/8 x 10-3/4 x 17"	1	Clear Acrylic 1/8 x 10-3/4 x 14-7/8"
4	5/8" Square by 15-15/16" 	4	1/4" Square by 9-1/2" 
2	Mid Level Front Cornice— 11-1/8" 	2	Mid Level Left Side Cornice— 1-1/8" 
2	Mid Level Right Side Cornice— 1-1/8" 	1	Top Front Cornice— 11-5/8" 
1	Top Left Side Cornice— 1-3/8" 	1	Top Right Side Cornice— 1-3/8" 

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

The Korber Background Tall City 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

- Spray paint for main structure, doors, windows, trim (RustOleum camouflage flat spray paints work well Khaki for cement and green and black for trim)
- Cyanoacrylate (CA) glue. Also known as Super Glue, Gorilla™ super glue works well
We really like the new Gorilla brand super glue because it is thicker than most super glues, and allows you to put in 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
- Medium grit sandpaper or emery board, small paint brush, paper towels or soft cloth rags
- Testor's Dull-cote™ (optional)
- Small clamps (optional)
- Flat black or grimy black spray paint (optional)

1 - Parts Preparation & Painting

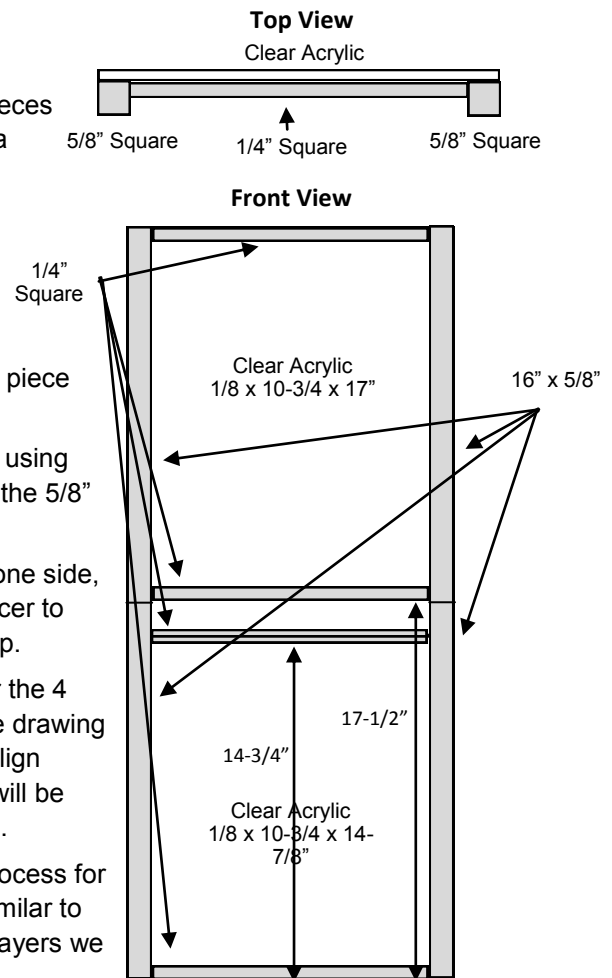
Separate the laser cut tower parts from their sheet using a razor knife if needed and trim any loose parts. Use care when removing these parts from the sheet as they can be broken if over flexed. Review all the parts and clean up any rough edges or hanging parts. Note that some of the layers have engraved line sin them, these are the outside or front part and should be the side painted.

We suggest you paint the individual parts before assembly. We recommend spraying them with flat spray paint, do so in a well ventilated area (outside). We suggest the window frame layers be painted the same color for all levels to create a theme for your Background Tall City Building. The window opening and the pillar front layers and the pillar sides should be painted in a aged cement look, RustOleum camouflage flat spray paints work well, Khaki is a good cement color. Let the paint dry before moving to the next step.

2 - Assemble the Support Structure

The assembly of the support structure uses a combination of the two pieces of clear acrylic the 5/8 square stock, and the 1/4" square stock to form a long rectangular piece approximately 32" by 11"

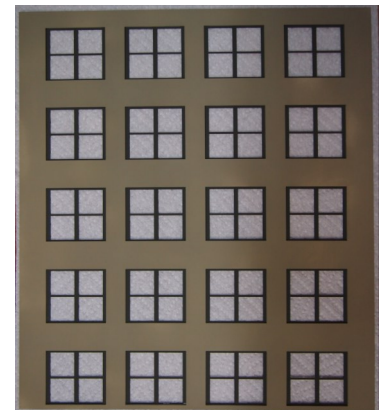
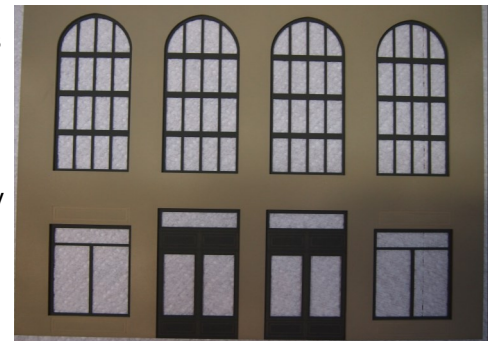
- Remove the protective blue film from one side of each of the clear acrylic parts, and lay them on your work surface end to end saw shown in the diagram to the right with the side that you just removed the protective film from facing up.
- Glue two of the 5/8" stock parts together at the end to form a single piece approximately 32" long—repeat for the other two 5/8" stock parts.
- Dry fit the two long 5/8" parts, one on each side of the clear acrylic, using the 1/4" stock as a spacer, and center over the acrylic base. Note the 5/8" stock should overhang the edge of the acrylic slightly on each side.
- Carefully remove one of the 5/8" parts, apply a bead of glue along one side, and replace on the clear acrylic, again using the 1/4" stock as a spacer to keep the parts in place as you had aligned them in the previous step.
- Once the first 5/8" part is dry and in place, use a similar process for the 4 1/4" parts. Note the distance from the bottom of the assembly in the drawing to the right is important (14-3/4" and 17-1/2") to ensure these parts align properly to be covered by the front wall layers. Note the 1/4" parts will be attached to the acrylic as shown in the top view drawing to the right.
- Once the 1/4" parts in the previous step are dry repeat the same process for the final 5/8" part and let dry. You should now have an assembly similar to the one shown in the drawing to the right, this will support the wall layers we will assemble in the next steps.



3 - Align and Assemble Front Wall

The front wall of the building is made up of three layers that will be glued together to form the front façade of the building and the short side walls. Once this section is built, it will be attached to the support structure we assembled in the previous step. Note the drawing on the right shows the three layers as looking from the top or end, the window frame layer is on the bottom and will be next to the clear acrylic once complete, next is the window opening layer, and lastly the very front is the window front layer which will be the most exposed layer on the front of the building.

- If the various layers have not been painted, paint them now and let them dry before moving to the next step
- Starting with the lower level parts, align the lower window frame layer and the lower window opening layer such that the window opening layer is on top of the window frame layer. Center the two parts so the frames are centered in the window openings. Once aligned, carefully remove, add a thin bead of glue around the window openings on the back of the window opening layer, and place the two parts back together again carefully aligning them to center the window frames in the opening. Let the parts dry.
- We will do a similar process as the last step but this time for the upper window frame layer and the window opening layer. Be careful to dry fit the parts to ensure they line up before applying glue. See the photo to the right. Repeat for the second set of upper window frames and window openings.
- Returning to the lower level (arched windows) we will add the front pillar layer. Like before, careful dry fit the part over the combined lower window frame and lower window opening layers. Note this layer will overhand equally on each side beyond the



window frame and opening layers. As noted in the diagram on the previous page. Since the pillars are attached only at one end, use care in aligning the pillars to ensure they are straight. Once the dry fit is accomplished, carefully remove, and add glue to the back of the pillar layer and put back in place, quickly aligning the parts to center them before the glue dries.

- Following the same approach as in the last step, repeat the process for the two upper levels, overlaying the supper front pillar layer on to the combined upper window frame layer and the upper window opening layers we already glued together. The photo at the right shows the final combined three layers from the front.



4 - Align and Assemble the Side Walls

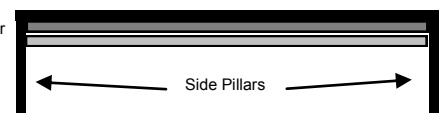
The sides walls of the building are made from six parts, two lower side pillars and four upper side pillars. These parts attach to the front layers we just made at a right angle.

- Align the lower side pillar with one side of the lower level we built in the last step. Note the engraved lines match only one way, so use care to match them up. Apply a small bean of glue to the back side of the front pillar layer along the edge and attach the previously aligned side pillar wall to the front pillar wall. The use of the right angle piece of stock or another board on your bench to create a right angle similar to that shown in the picture to the right is very useful. Use care to align the outside corner, and avoid glue getting on the outside of the structure.
- Repeat this process for the other side of the lower level.
- Repeat this process for both sides of the two upper level layers we built previously.
- Once done, you should have three levels, one lower level, and two upper levels, each in the shape of a “U” when viewed from the top or end as shown in the diagram to the right.



Top View

Front pillar layer
Window opening layer
Window frame layer



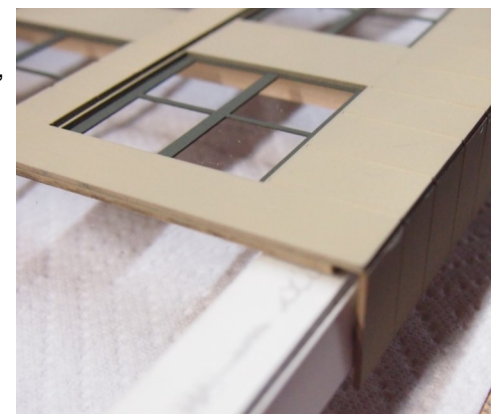
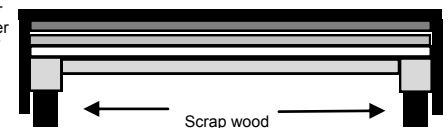
5 - Attach Wall Levels to the Support Structure

In this step we will attach the three levels we just made to the support structure we previously made.

- Remove the blue protective coating on the front of the clear acrylic, and clean the surface with a window cleaner to remove any dirt and smudges.
- Place the support structure clear acrylic side up on your work surface. Using scrape wood, raise the support structure up approximately 1/4 to 1/2” to provide a gap between the work surface and the support structure. The purpose of this is to allow the front levels to be attached to the front of the support structure without hitting the work surface as the sides of the front levels are longer than the sides of the support structure. Refer to the diagram at the right.
- Dry fit the front levels over the support structure, starting with the lower level, and following with the two upper levels. Align them to provide a uniform alignment of the vertical pillars. Ensure the gaps between the layers are tight, you may need to trim material from the adjacent layer if there is some small tab or extra material that prevents a close seam. We will be covering these seams in a future step but they should be close. Make sure the lower level is flush with the bottom of the support structure. Refer to the photo at the right. Note that the 1/4” wood cross parts that you previously installed in the back of the support structure should be covered by the front levels and not seen through the windows. If you see these parts through the windows, you likely have the layers started from the opposite end of the support structure, try aligning them from the other ends.

Top View

Front pillar layer
Window opening layer
Window frame layer



in alignment with the other levels.

- Repeat the previous steps for both of the upper levels. Once complete you should have all three levels attached to the support structure.

6 - Attach Cornice Detail

The kit includes cornice detail to cover the two seams between the three levels, and a set to add detail to the top of the building. The top level cornice detail is larger, and more ornate while the two mid level sets are more flat with minimal detail.

- Dry fit the front and sides parts of the lower cornice detail over the seam between the lower level and the first upper level. You may need some lite sanding at the corners to make a smooth seam. Repeat for the seam between the upper two levels and again for the top of the structure.
- If you have not done so, paint these parts, typically the same color as you painted the front pillar layer of the levels previously. Optionally you could paint these a contrasting color to create a theme.
- Once the paint is dry, glue the cornice parts in the places you dry fitted earlier. Note on the lower two seams, the thicker part of the cornice is intended to face up or in the direction of the top of the building.



7 - Weathering the Building (optional)

Your Korber Background Tall City Building is now assembled. 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 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.

8 - Roof (optional)

Your Background Tall City Building stands about 32" tall, and is well beyond the sight lines of people viewing this once it is installed on the layout, therefore no roof section has been added. However should you desire to add one, you can cut a small piece of poster board, matt board or styrene in a black color, trim to fit the top of the structure, behind the top cornice and glue into place. Should you need to you can paint the material a flat black to help it blend in.

9- Important Installation Note

When installing on your layout, it is important to attach this large background building to a wall or other support structure. It will not stand by itself. You can optionally create a base to screw to the 5/8" stock through the base to create stability. This base could be a piece of plywood or other similar material, and should be 6-10 inches from front to back to create the solid base needed.

