

TWX-2175 Cameron Freight Transfer Company

Assembly Instructions

Recommended tools;

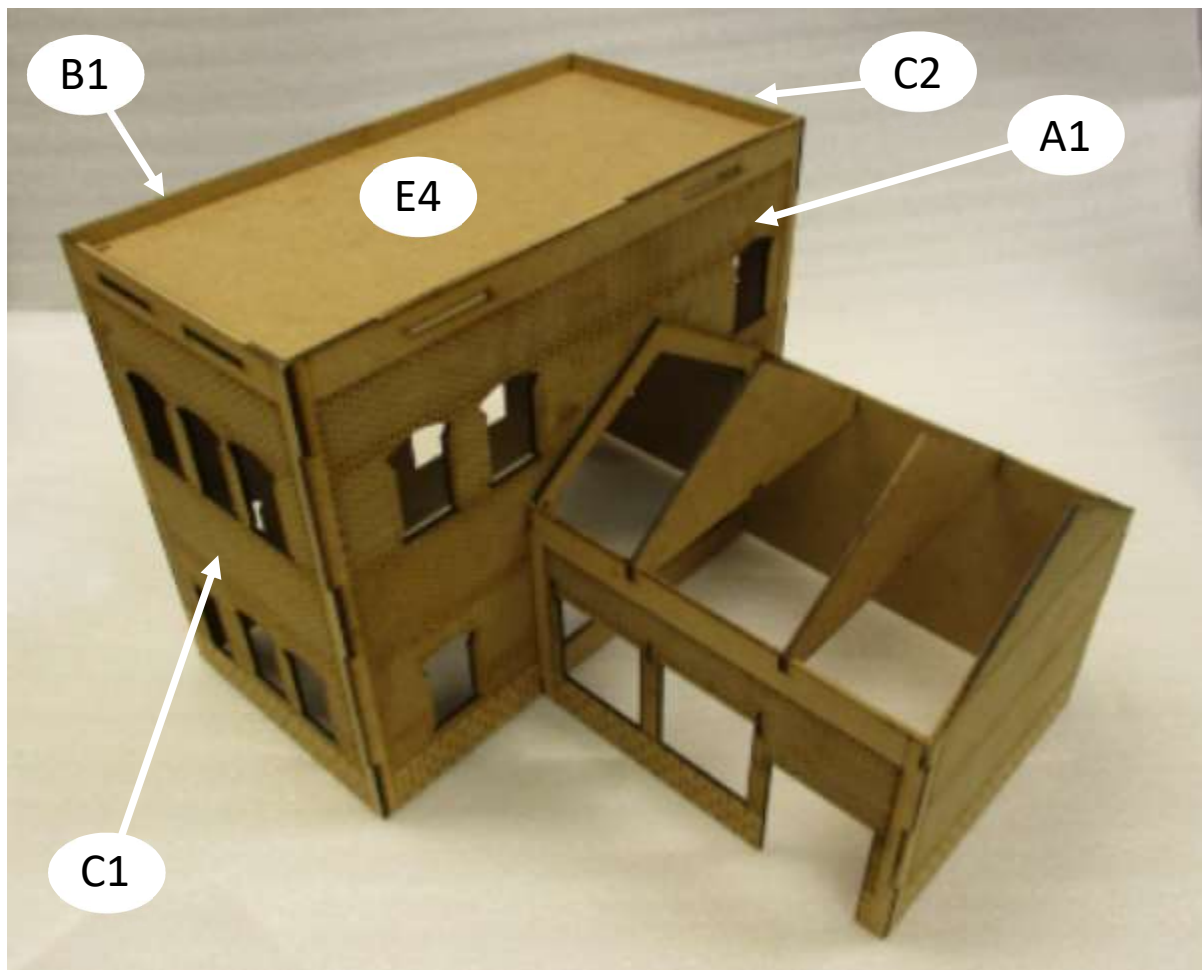
- 220 grit sandpaper
- 400 grit sandpaper
- Sharp X-Acto knife
- Tite Bond II Wood Glue
- Medium Viscosity Superglue & Accelerator (Kicker)
- Masking tape

Removing parts from their frets

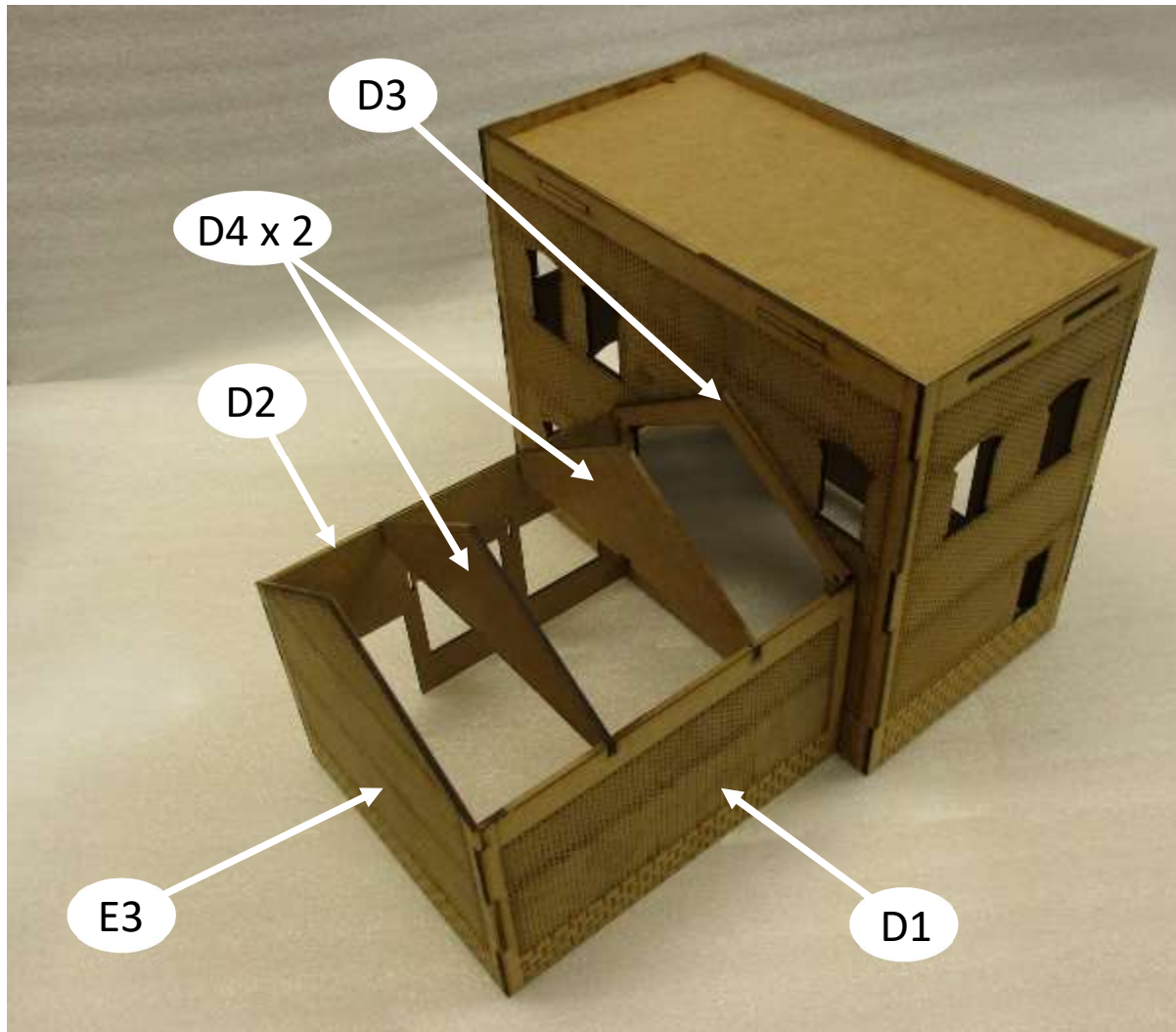
Each part has one or more small sprues to keep the part held into the fret. Carefully cut one or more sprues using the X-Acto knife and sand the sprue off using 220 grit sandpaper.

Assembling the main structure

Use Tite Bond II wood glue to glue the sides and roof together for the main building. Use masking tape to hold the joints tight while the glue sets up. It typically only takes 15 minutes for the glue to set up.

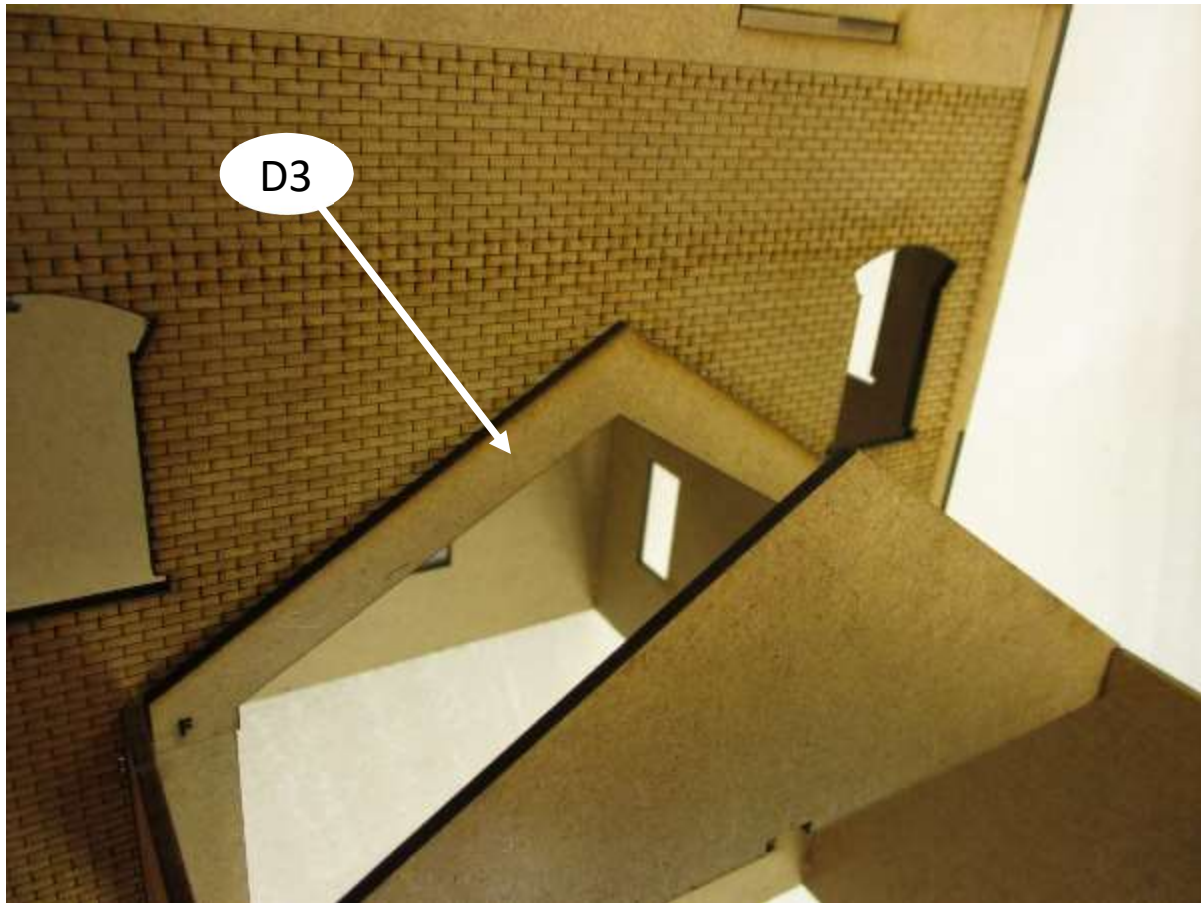


Use Tite Bond II wood glue to glue the 3 sides of the dock building together (and masking tape to hold the joints while the glue sets).



Use superglue and accelerator to glue both pieces of D4 to the walls. This will help strengthen the end joints. Glue the dock walls to the main building using superglue and accelerator.

Finally, attach part F7 to the main building wall using super glue. Note the “F” faces towards the garage doors and the “R” faces the back wall. Use the etched line on the side of A1 to properly align the truss.

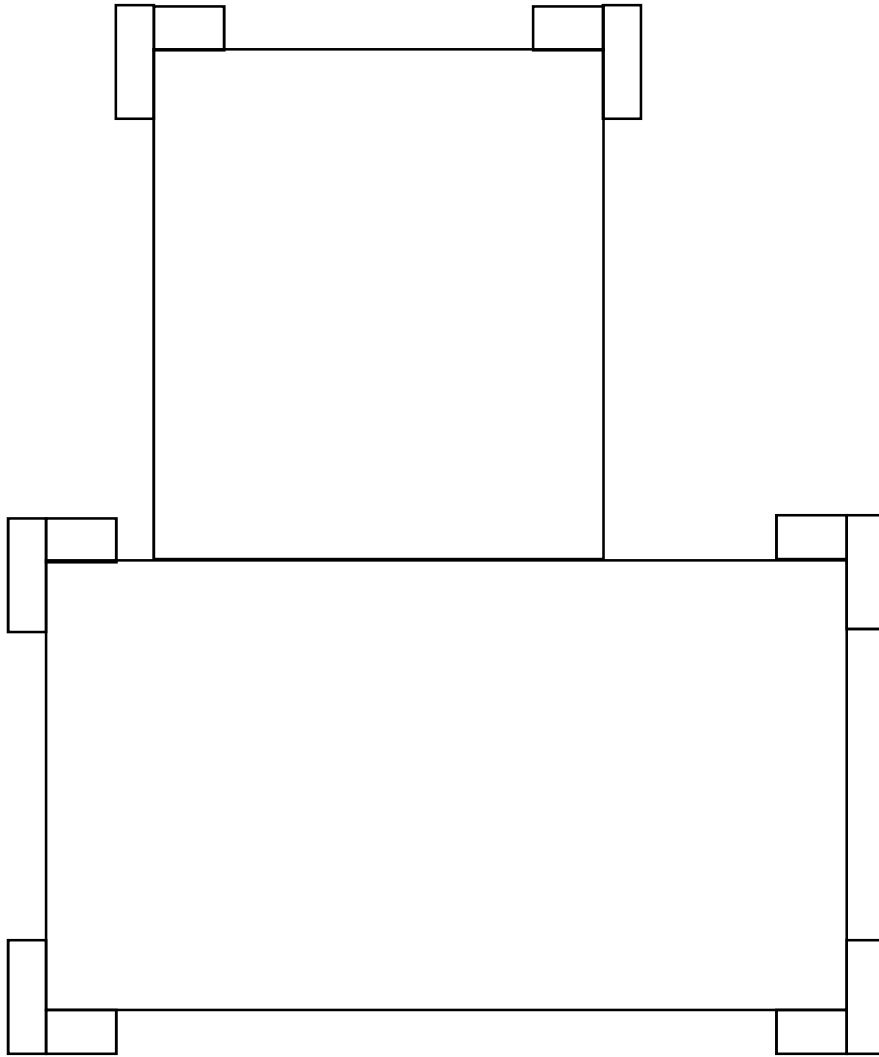


****Note:** Now is a good time to put a base coat of paint on the main building. We used Rustoleum Rusty Metal Primer as a base color for our brick, as it dries quickly and easily coats the raw MDF with one coat. You may want to paint the entire brick areas with whatever treatment you prefer, before any additional parts are added to the structure. If you do decide to finish the brick treatment at this time be sure to also paint parts J1, E1 and E2 (as they will require the same brick finish as the main structure).

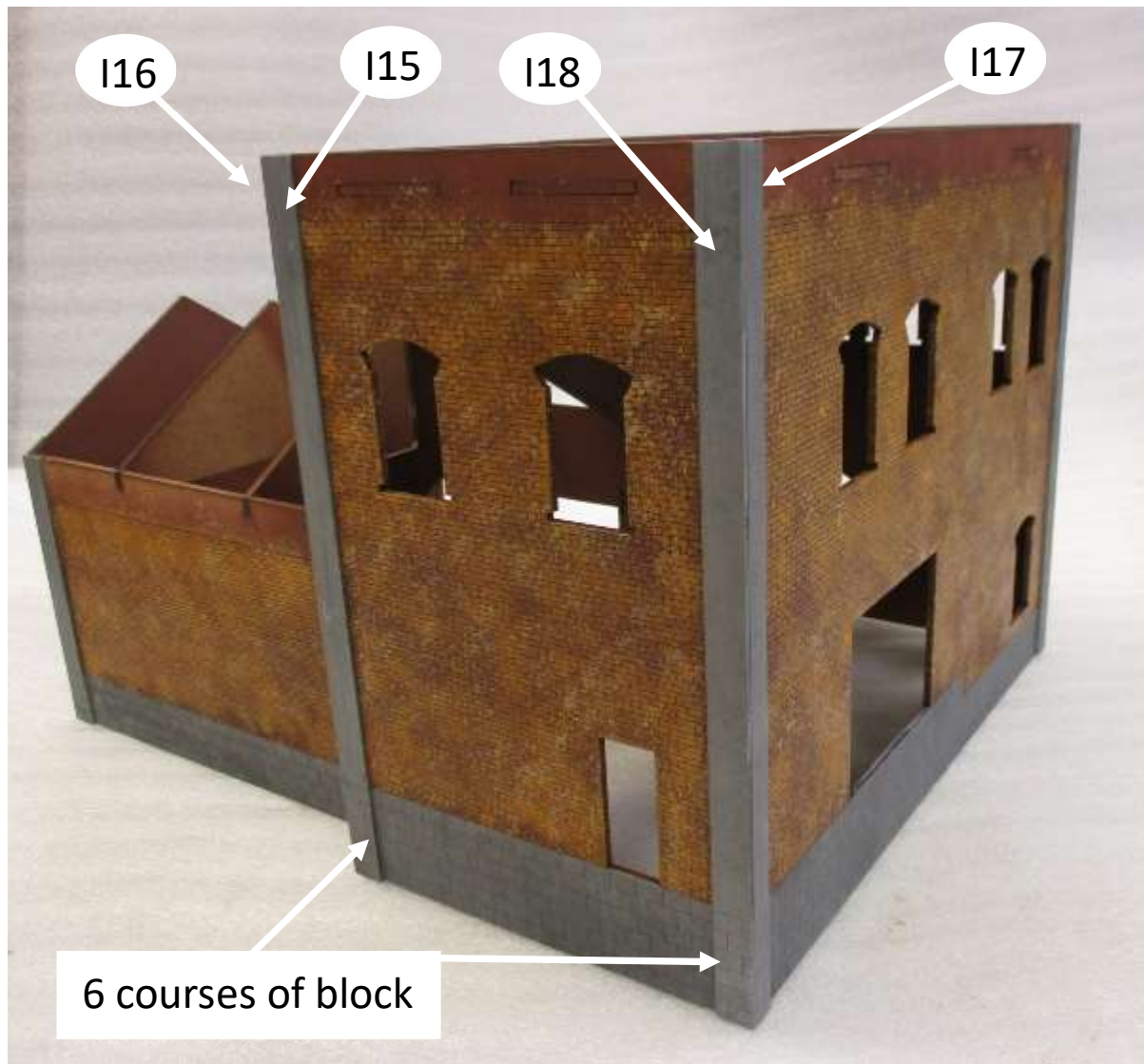
Assembling Corner Trim

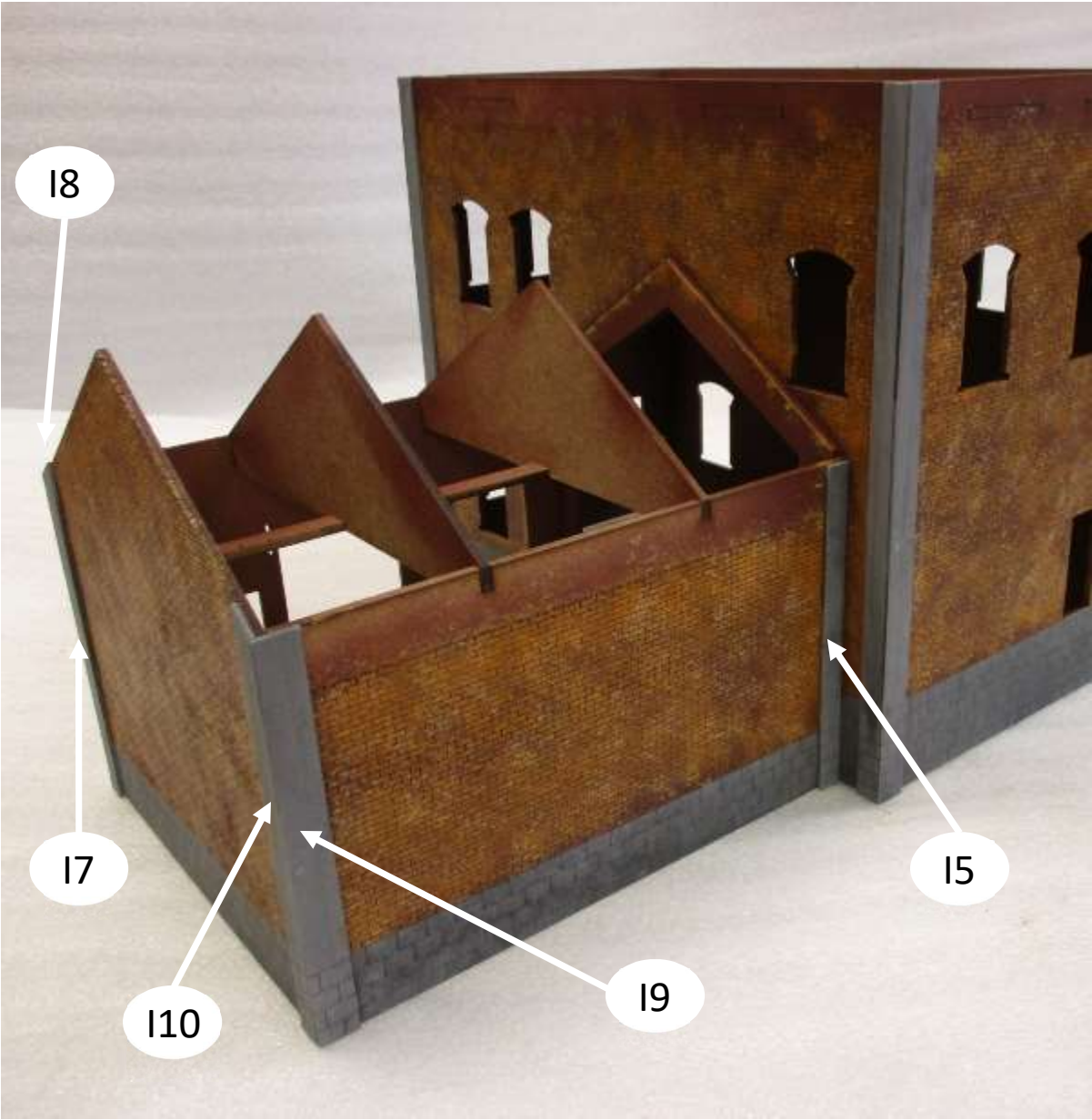
Now is a good time to paint the corner trim pieces as well as the top cornice details (sheets I & J). Once they are glued to the main structure it will be difficult to paint the edges that set up against the brick surfaces.

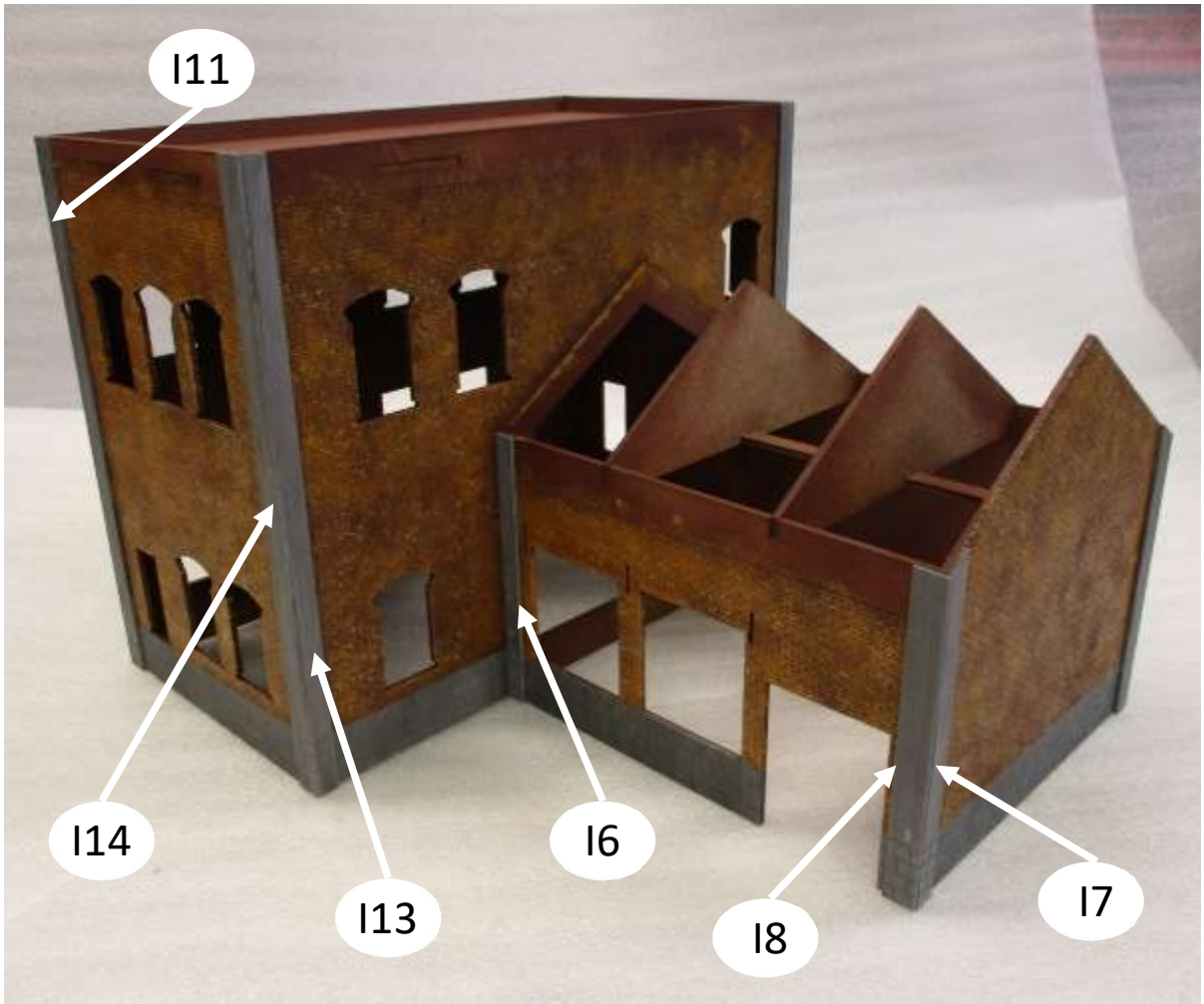
****NOTE:** Pay close attention to the number of courses of concrete block on the bottom of the corner moldings. There are 4 tall pieces with 6 courses of block (rear of the tall building) and 4 tall pieces with 4 courses of block (front of tall building). Use superglue to attach these corner moldings.

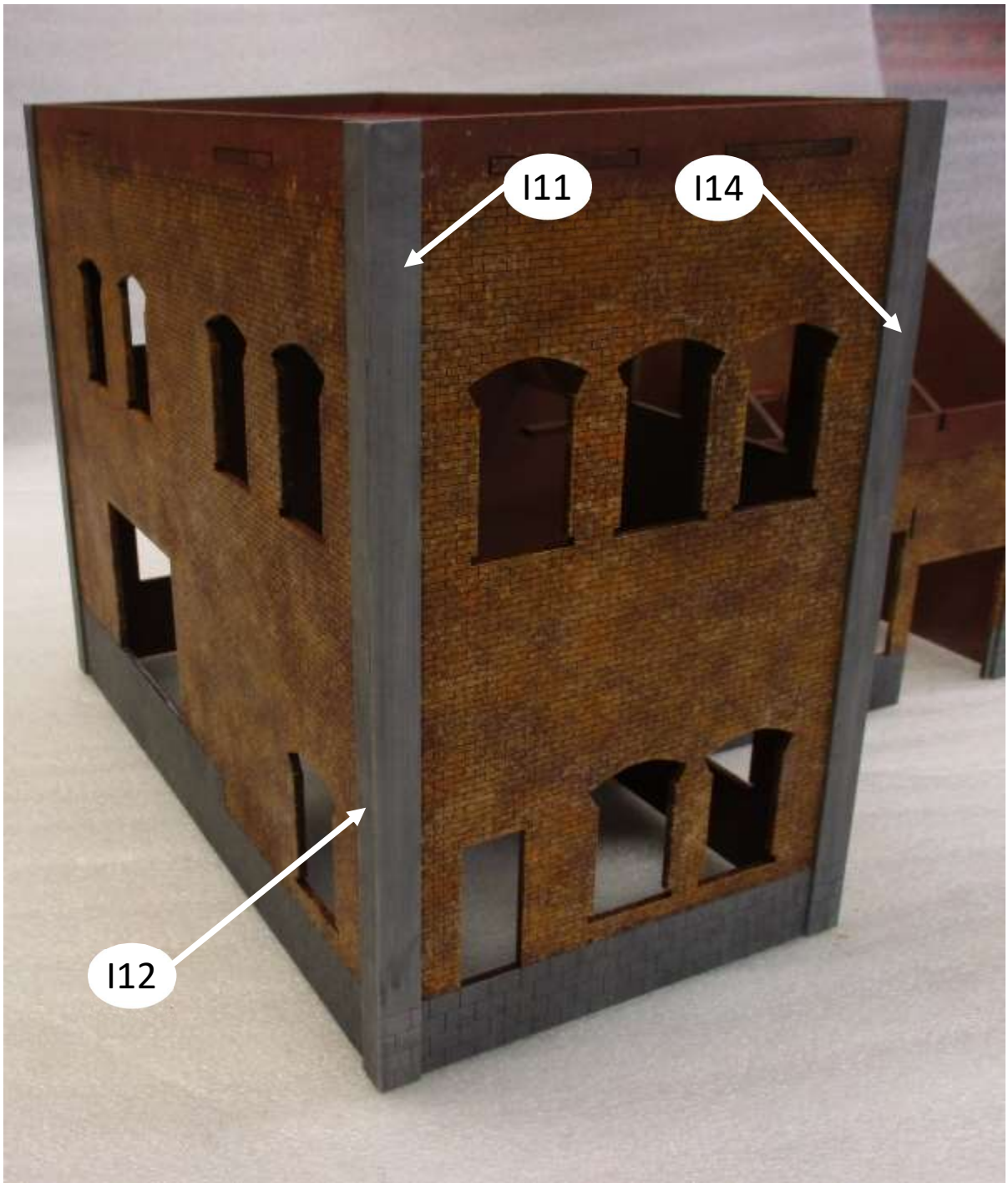


The above diagram is an exaggerated overview of how the corner moldings align on each corner of the two structures.



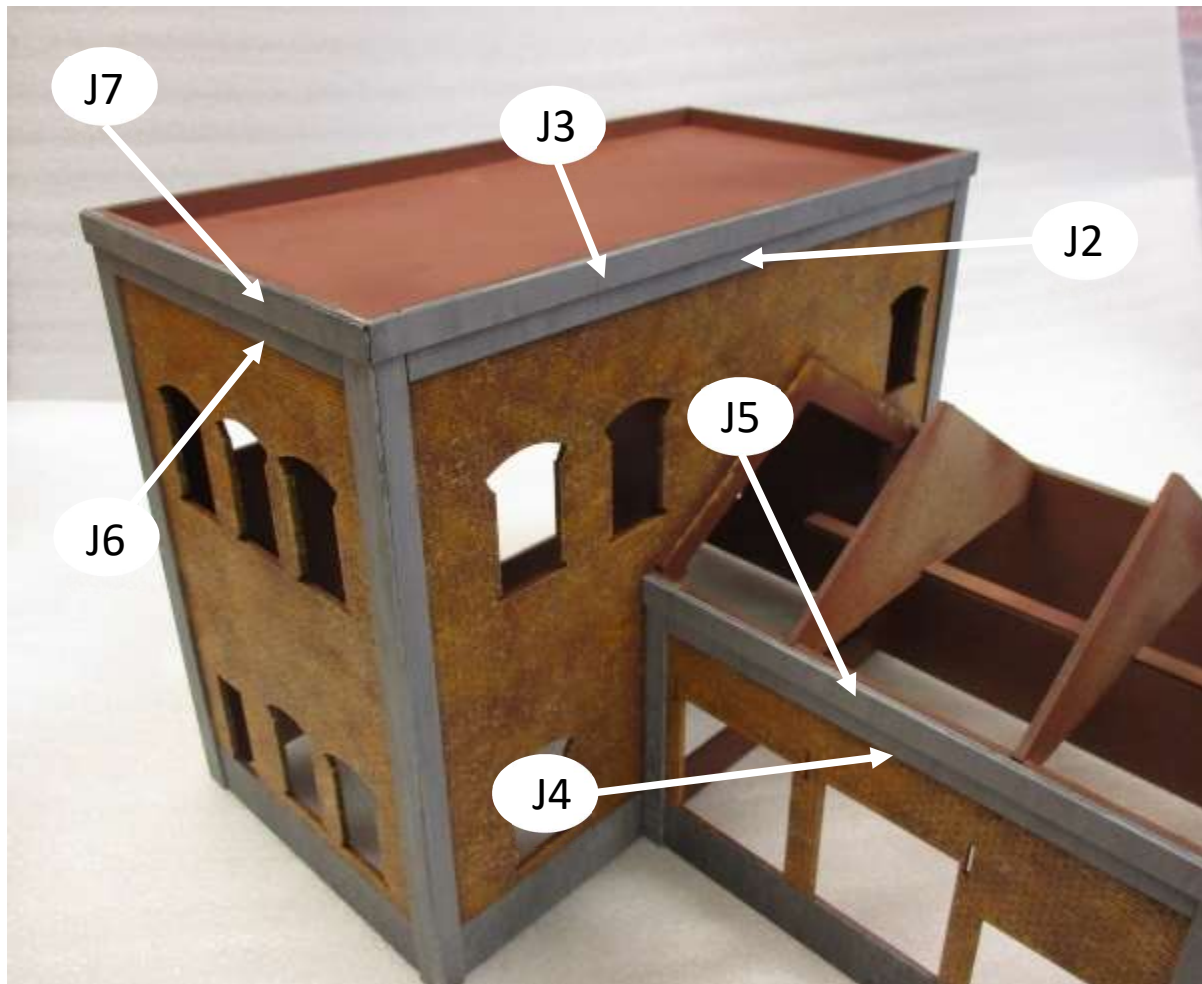


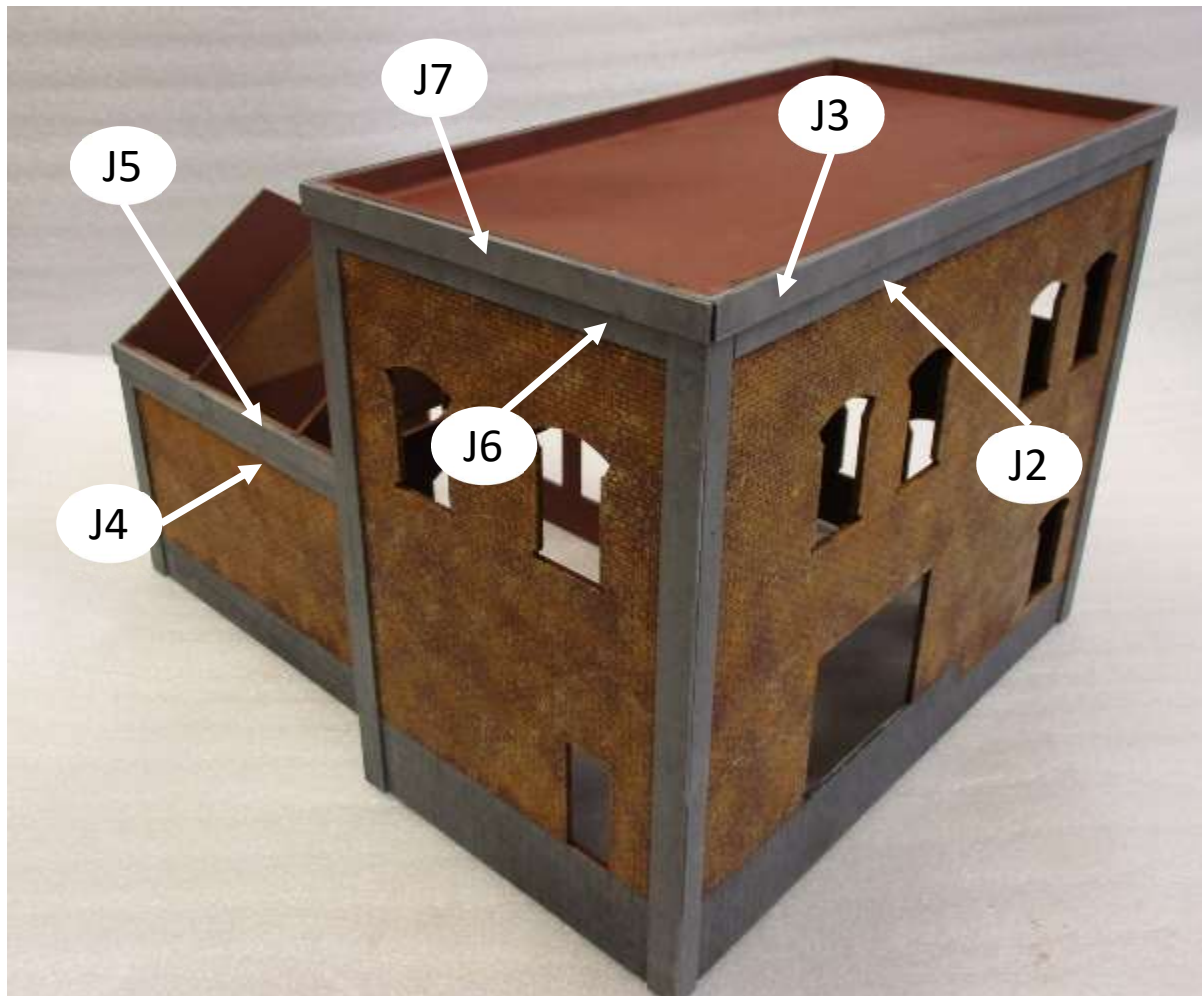




Assembling the Cornices

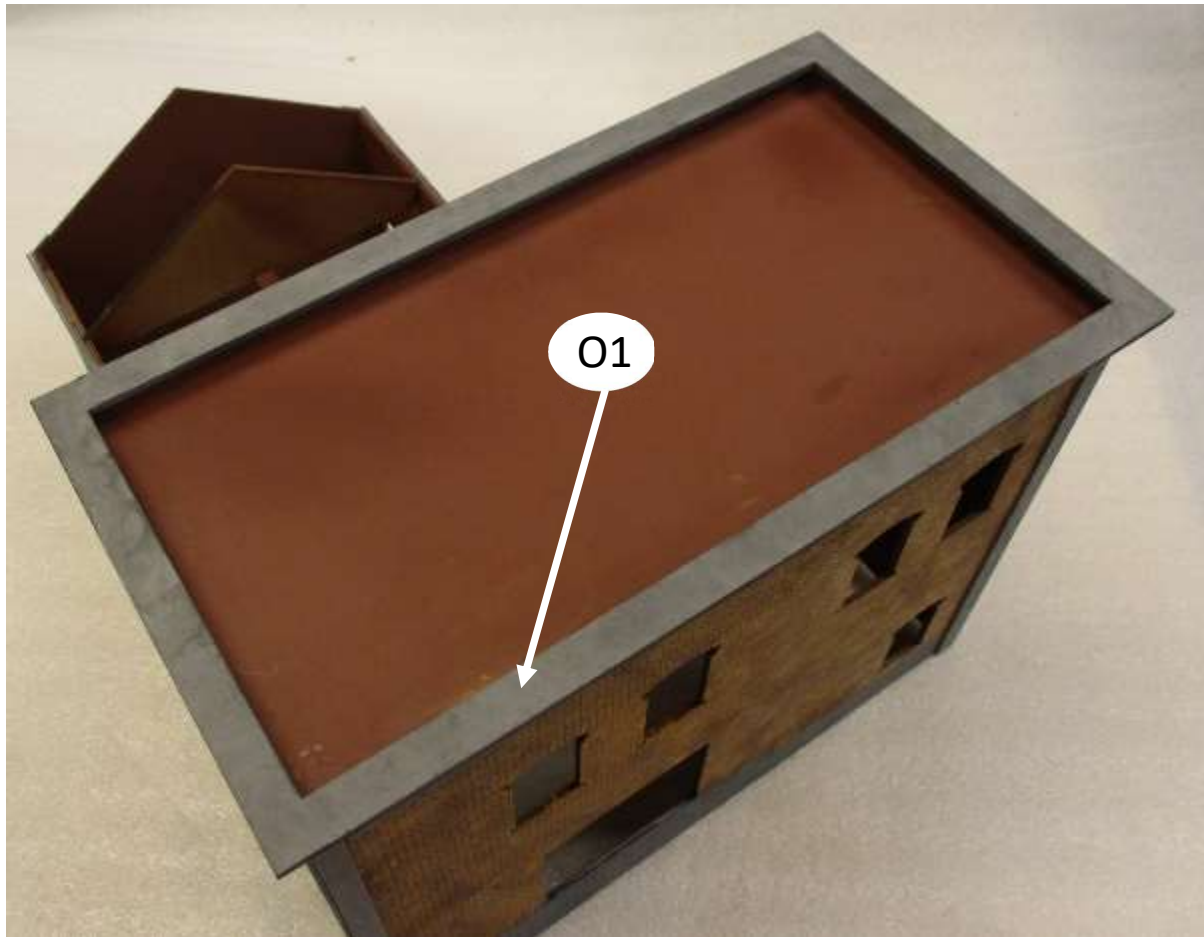
Using superglue, attach these pieces so they are even with the tops of the walls, follow the alignment line etched in the top of the brick detail as a guide. You may need to adjust the length of some of these pieces. The thicker piece is applied first, then the thinner piece overlaps the corner moldings. None of the thinner laminate pieces will need to be trimmed or sanded.





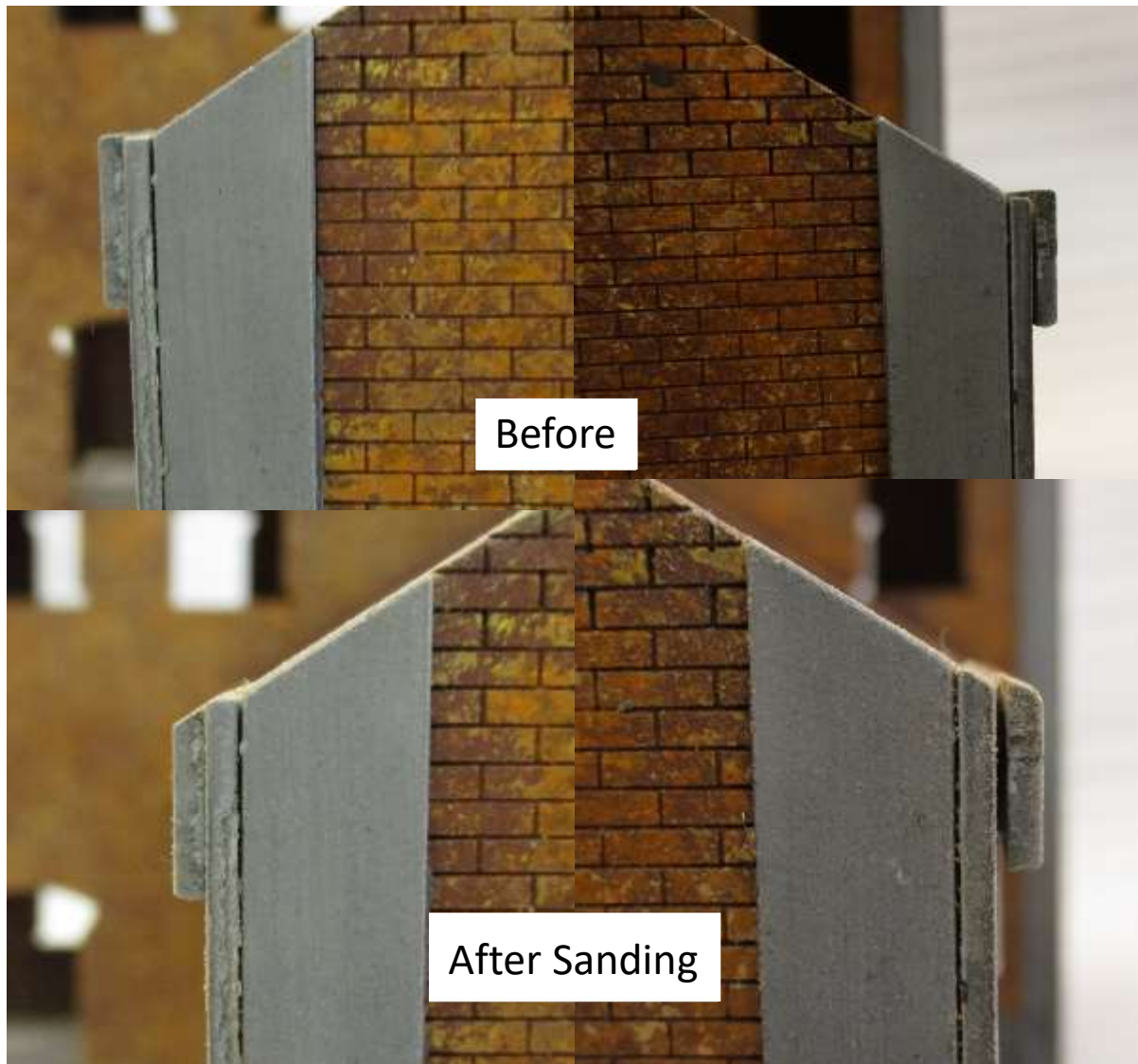
Assembling the Top Trim Detail

Once the cornice moldings are dry carefully sand the top of the tall building walls to create a smooth surface to mount the top surround. Using superglue mount the top surround, ensuring there is an even amount of overhang on all four sides of the building.

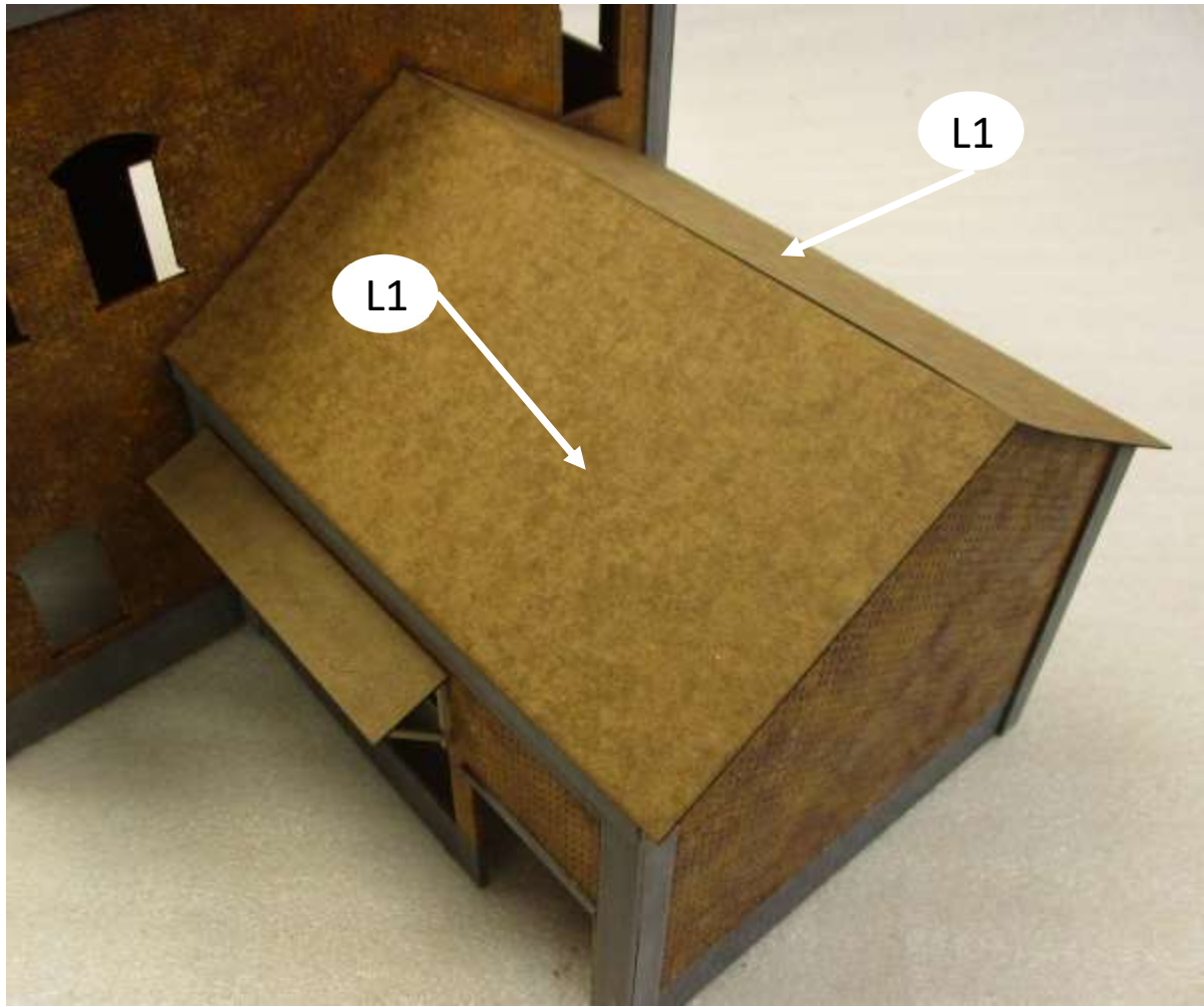


Mounting the peaked roof on Dock Structure

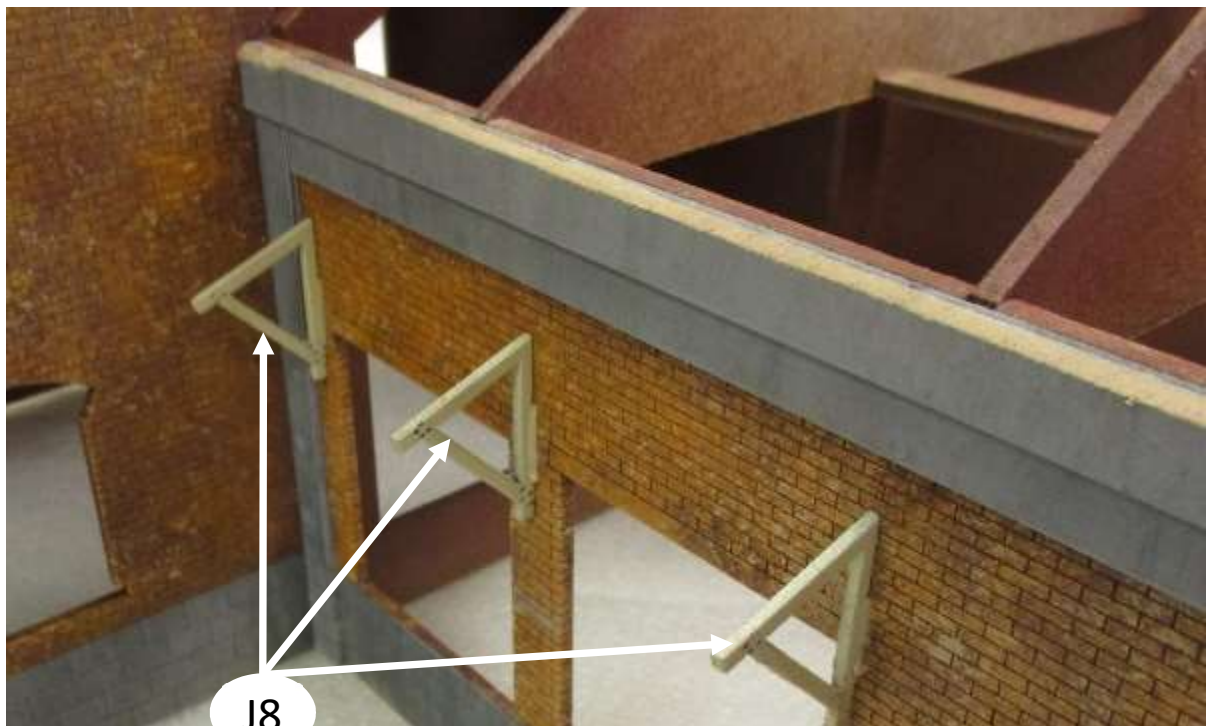
Before mounting the roof you must first sand the cornice detail to allow the roof to sit against the trusses properly. The photo below shows what each side looks like before being sanded. Then after being sanded. Use a sanding block to ensure you stay level with the angled trusses.



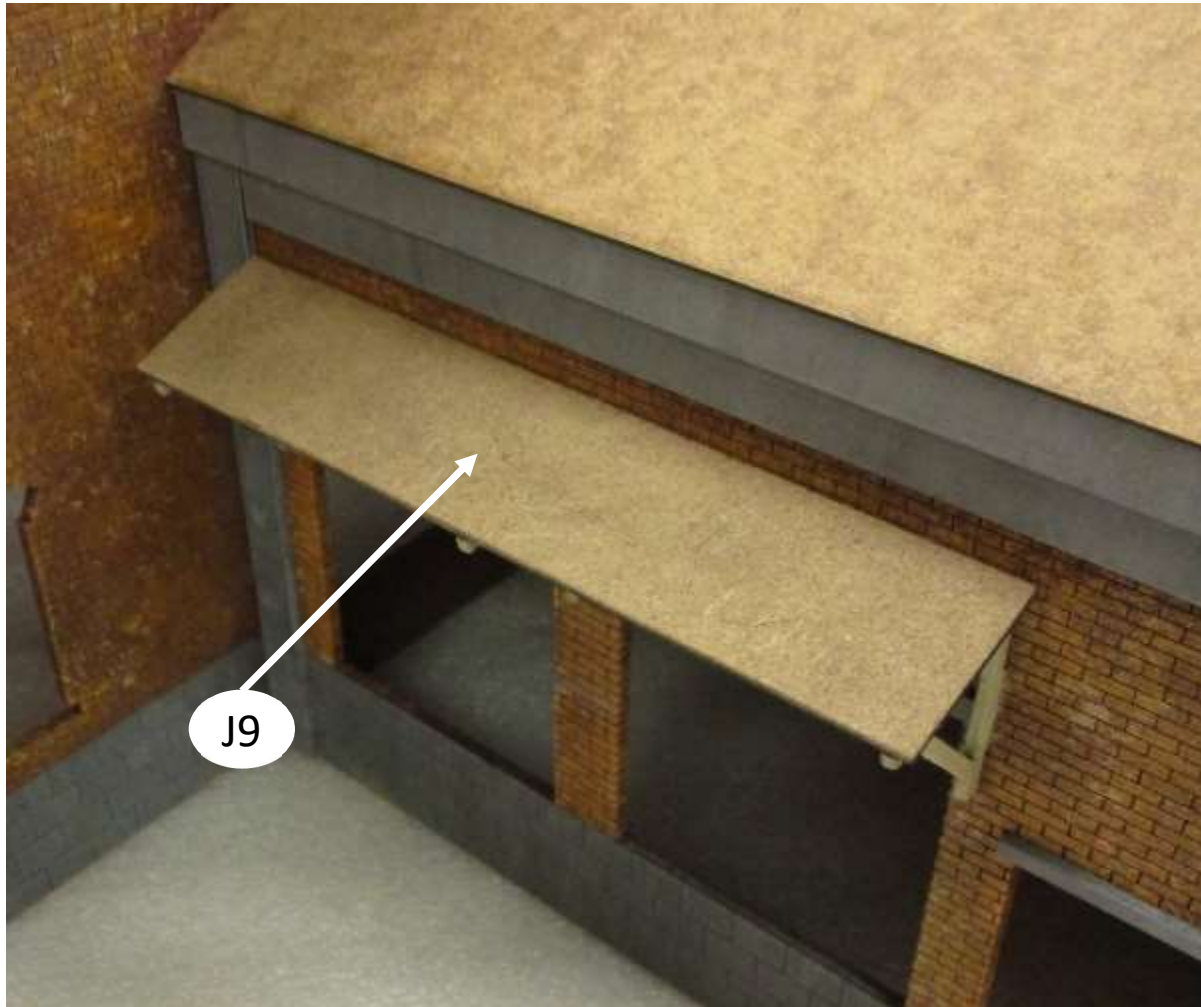
Once the cornice details have been sanded to match the roof truss angles its time to mount the roof decks. Use a bead of superglue on each truss (including the support truss glued to the side of the tall building). Be sure to align the top edge of the roof deck with the peak of the trusses.



Mount the angled roof brackets in the dock wall. Use superglue to attach these brackets

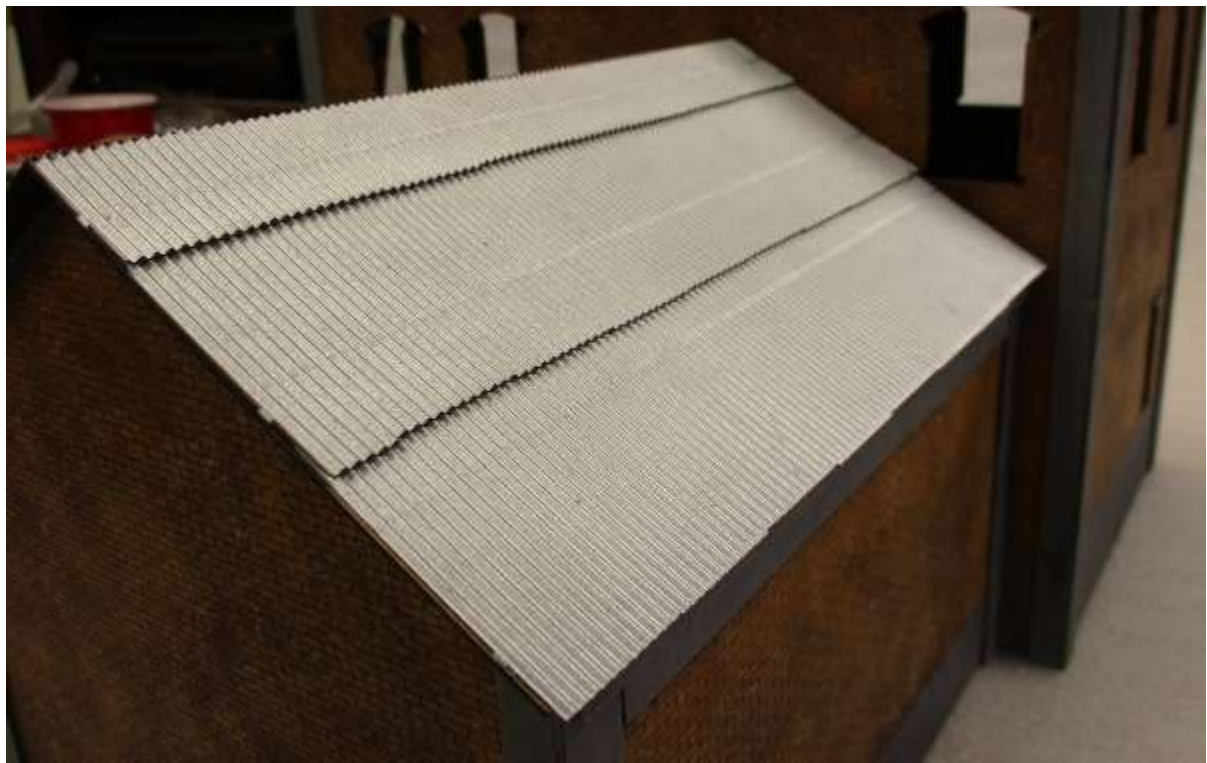
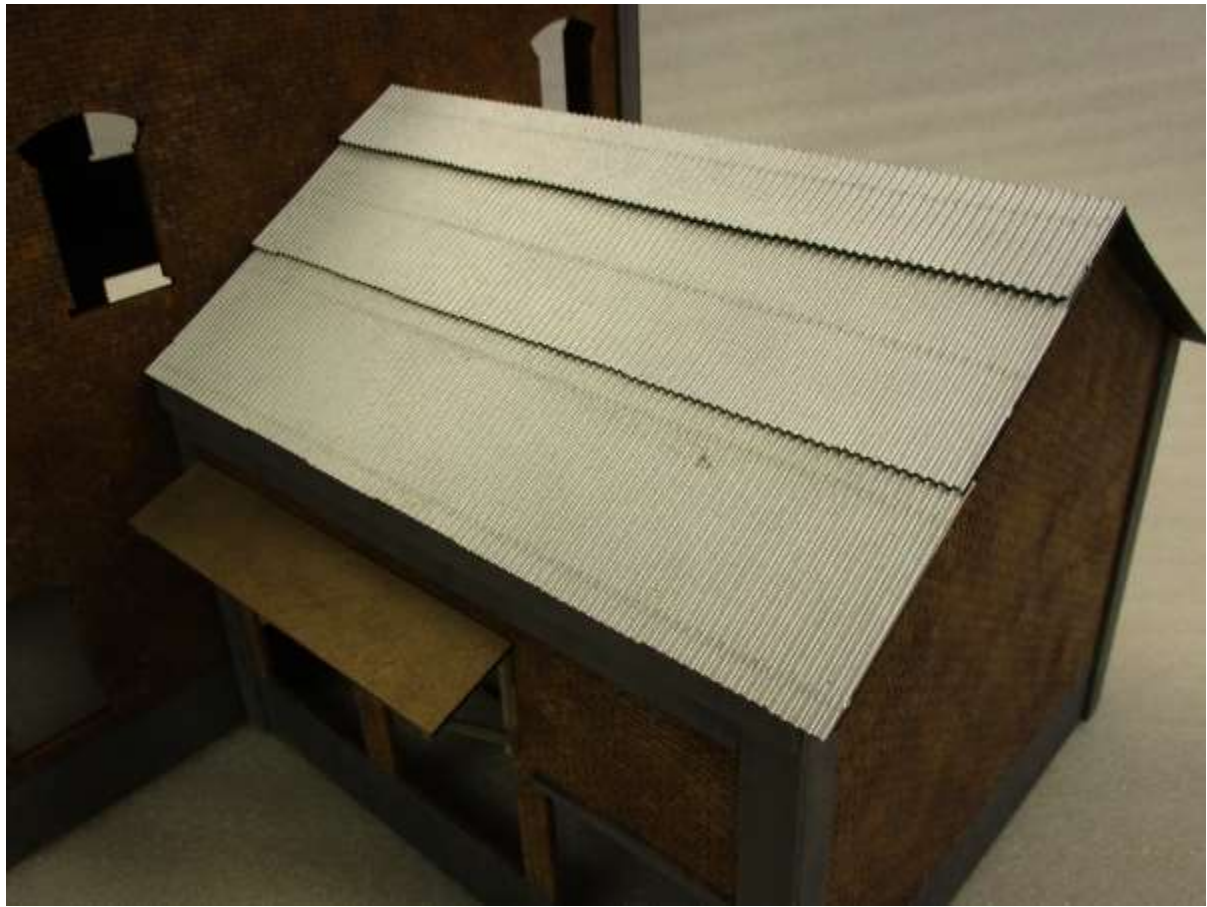


Once the brackets are mounted to the side of the dock walls mount the roof using superglue. The left edge of the roof should set against the pillar in the corner of the two structures.

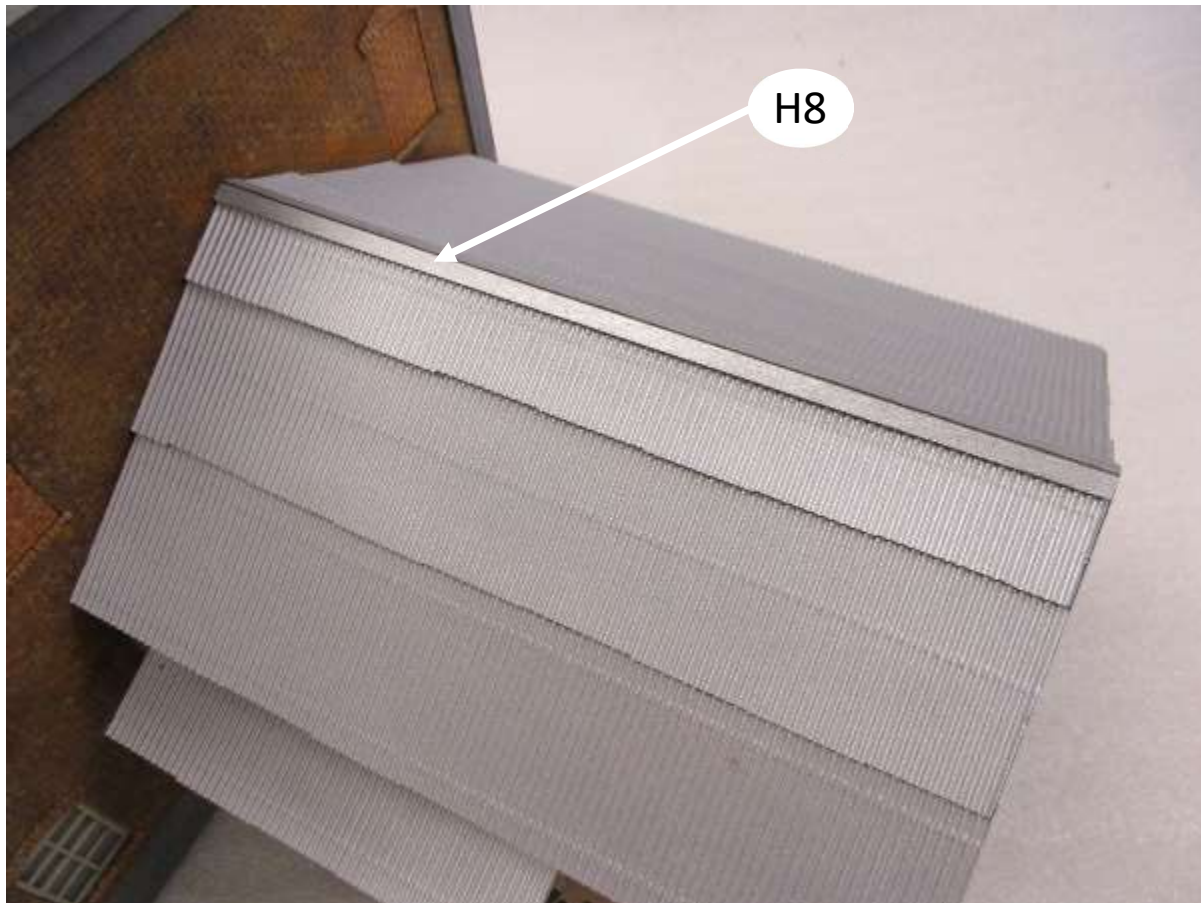


Use superglue to mount the corrugated roof to the roof deck. Pay close attention to the corrugated paper, one long edge is straight and one edge is jagged, to represent different length panels. Be sure the jagged edges are facing downward, towards the bottom of the roof edge.

The two wide sections go on first, the thinner strip goes one the top.



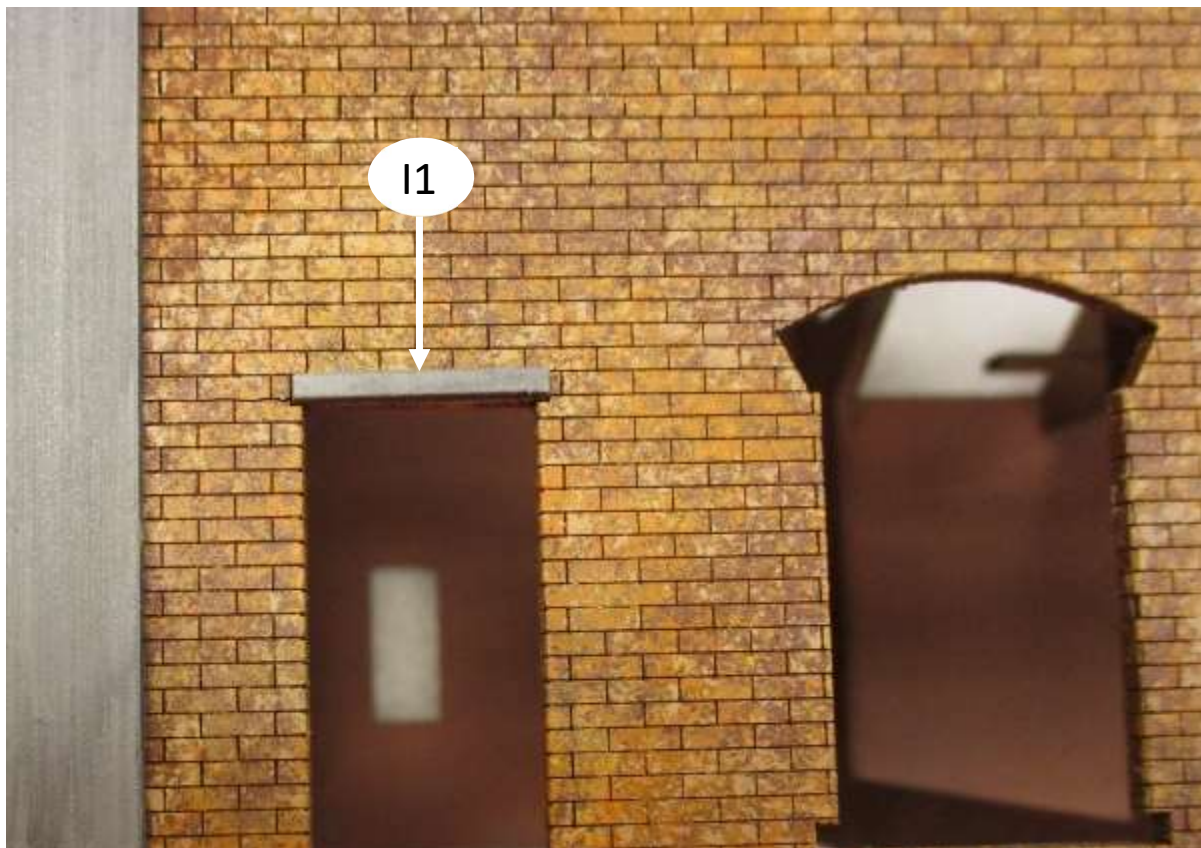
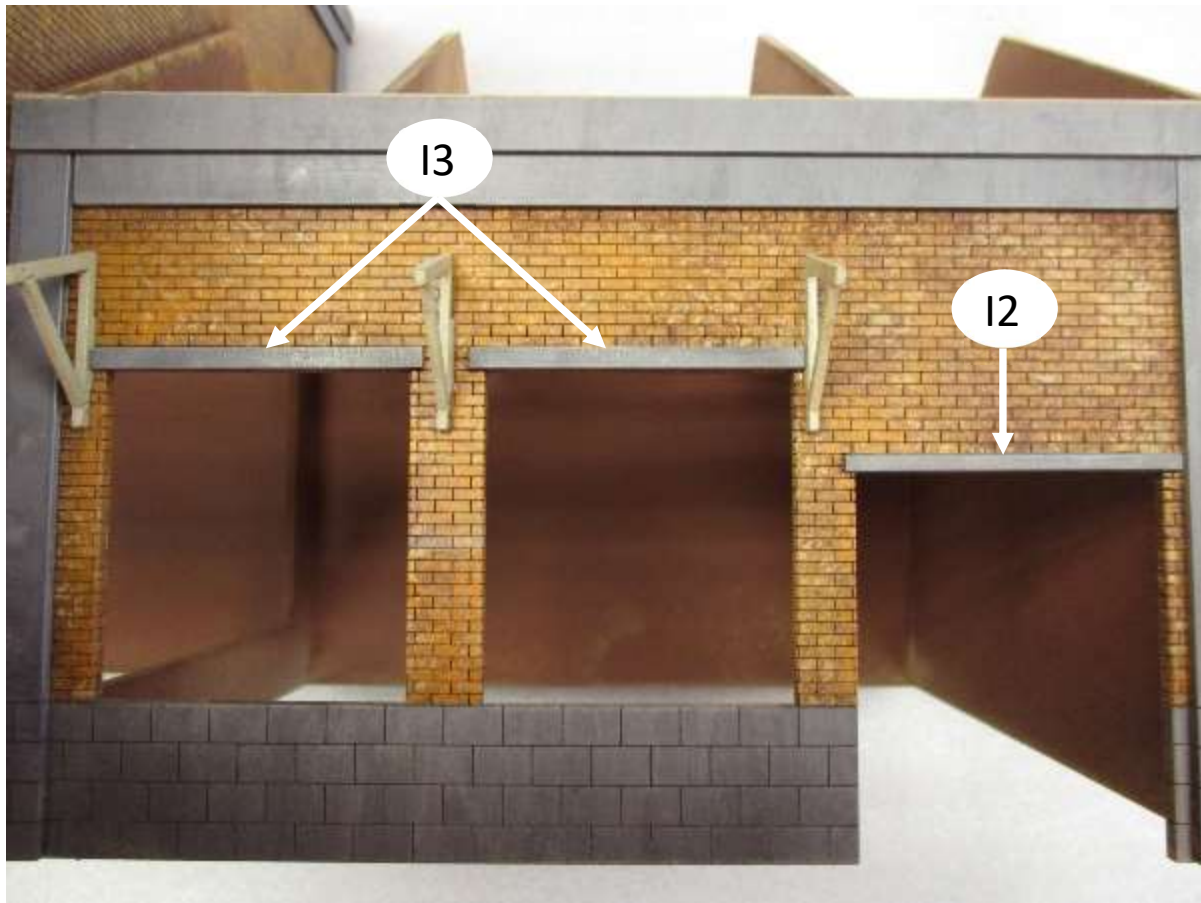
Apply the ridge cap by removing the protective paper on the self-adhesive, gently bend the ridge cap along the engraved line and use a couple small drops of superglue on the self-adhesive side. Mount the ridge cap across the ridge of the roof as shown below.

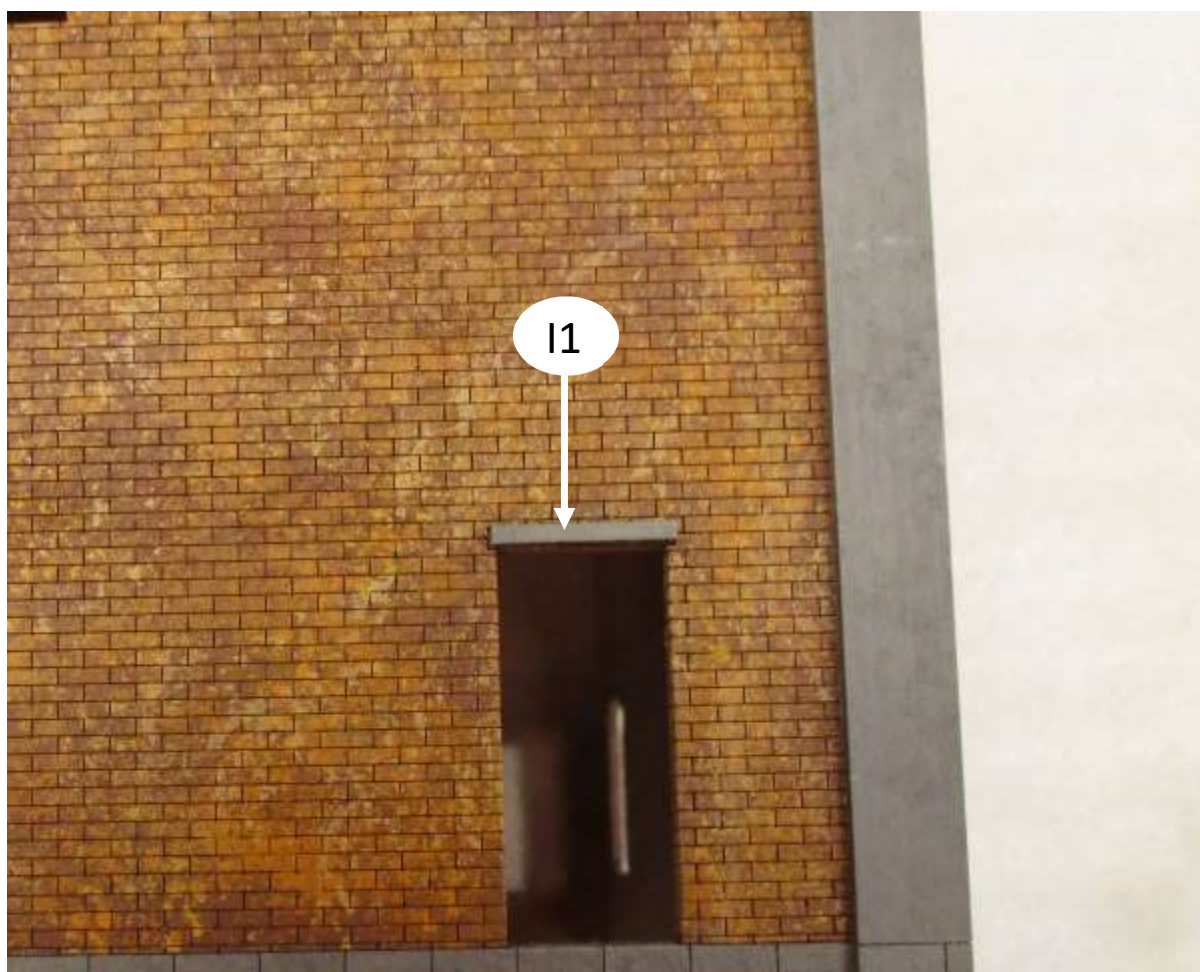
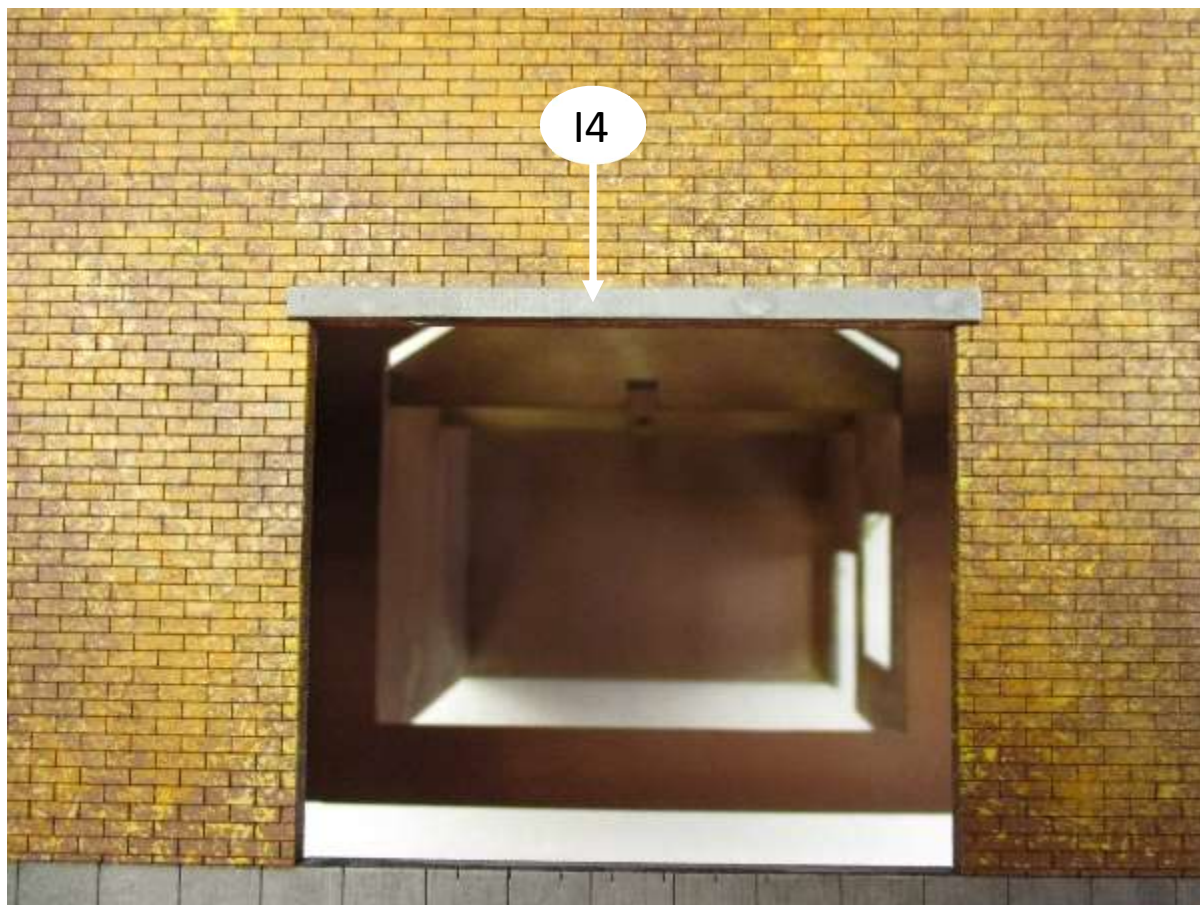


Apply the corrugated roof to the short dock roof using superglue. Make sure the jagged edge is facing away from the brick wall as shown above.

Installing the Lintels

Using superglue, install the 6 lintels over the door openings.

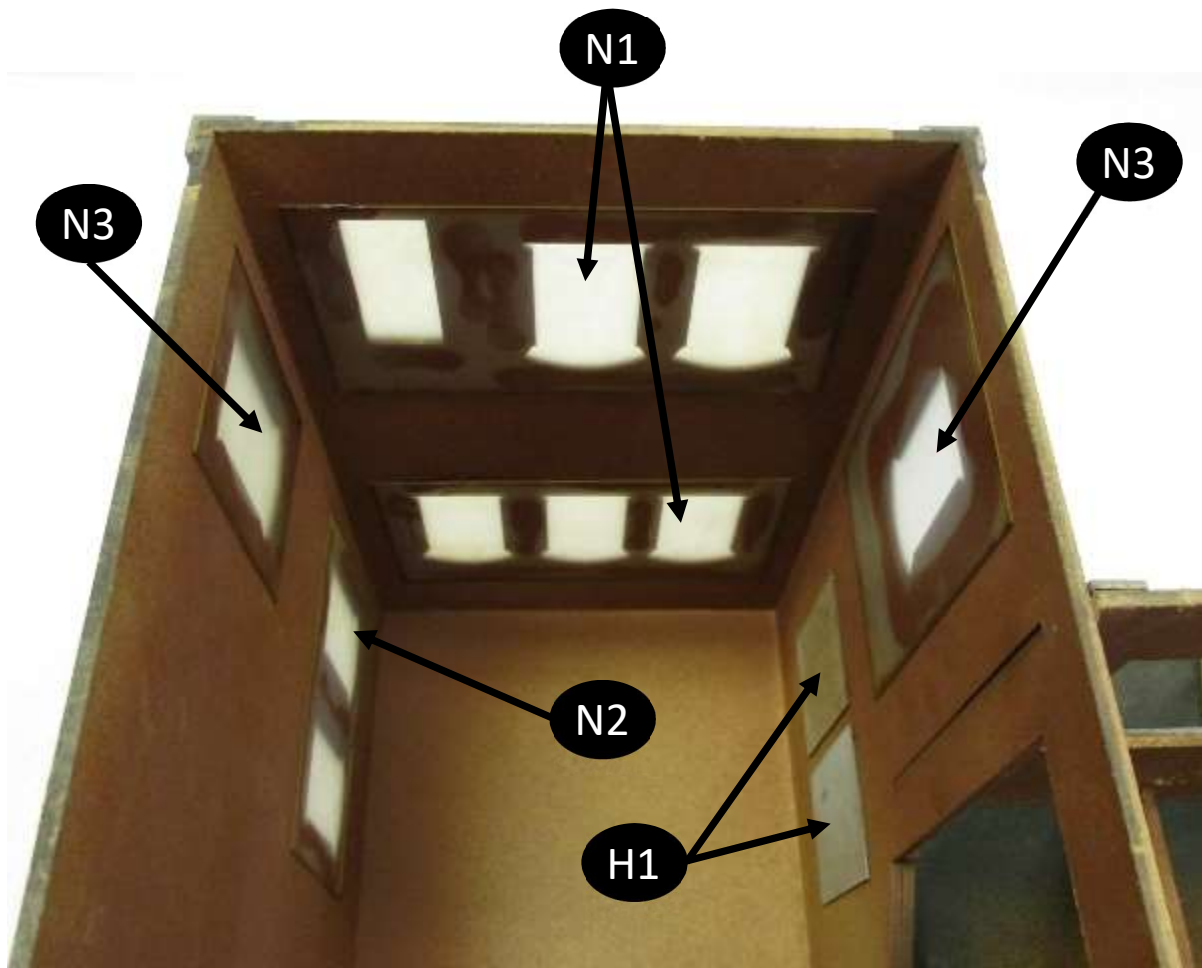


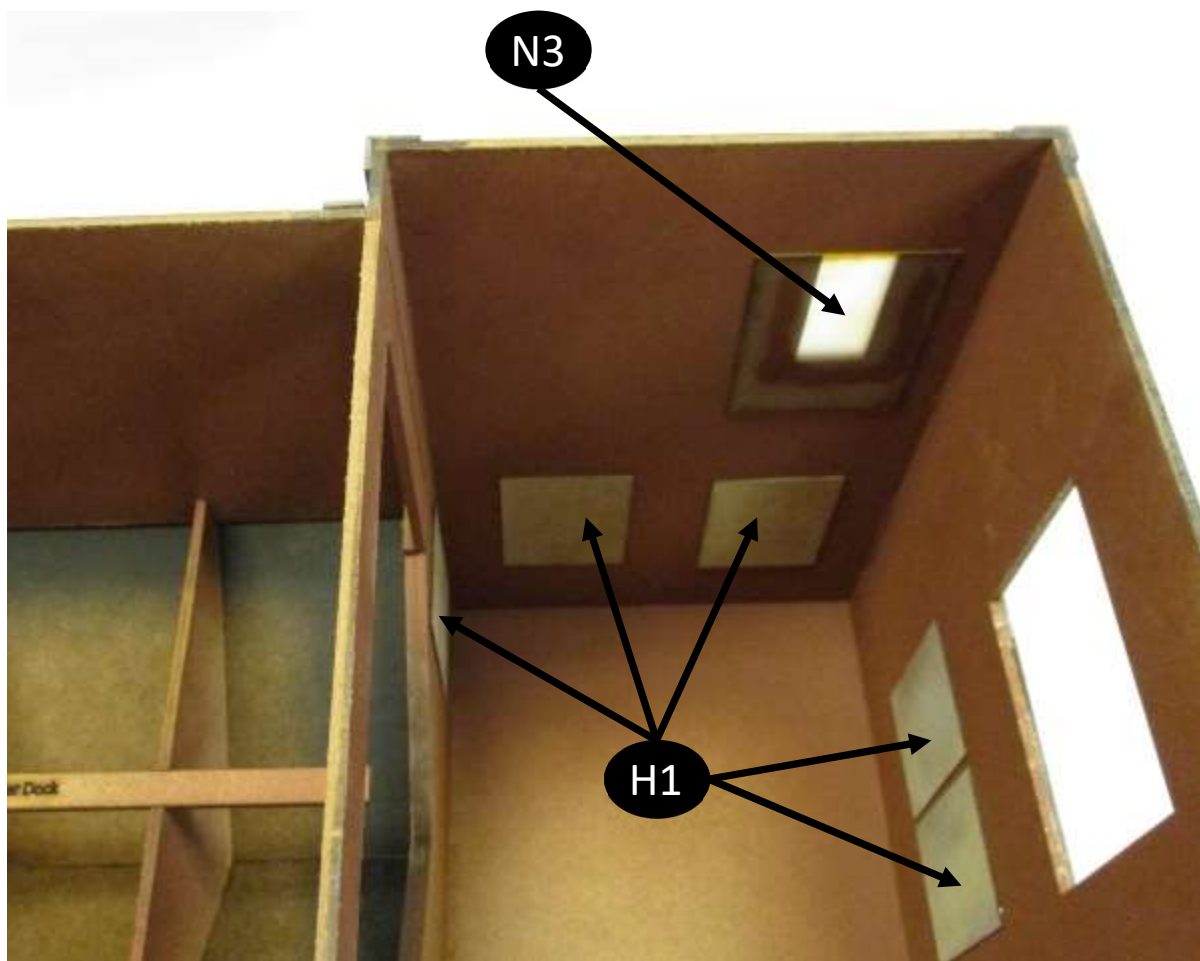
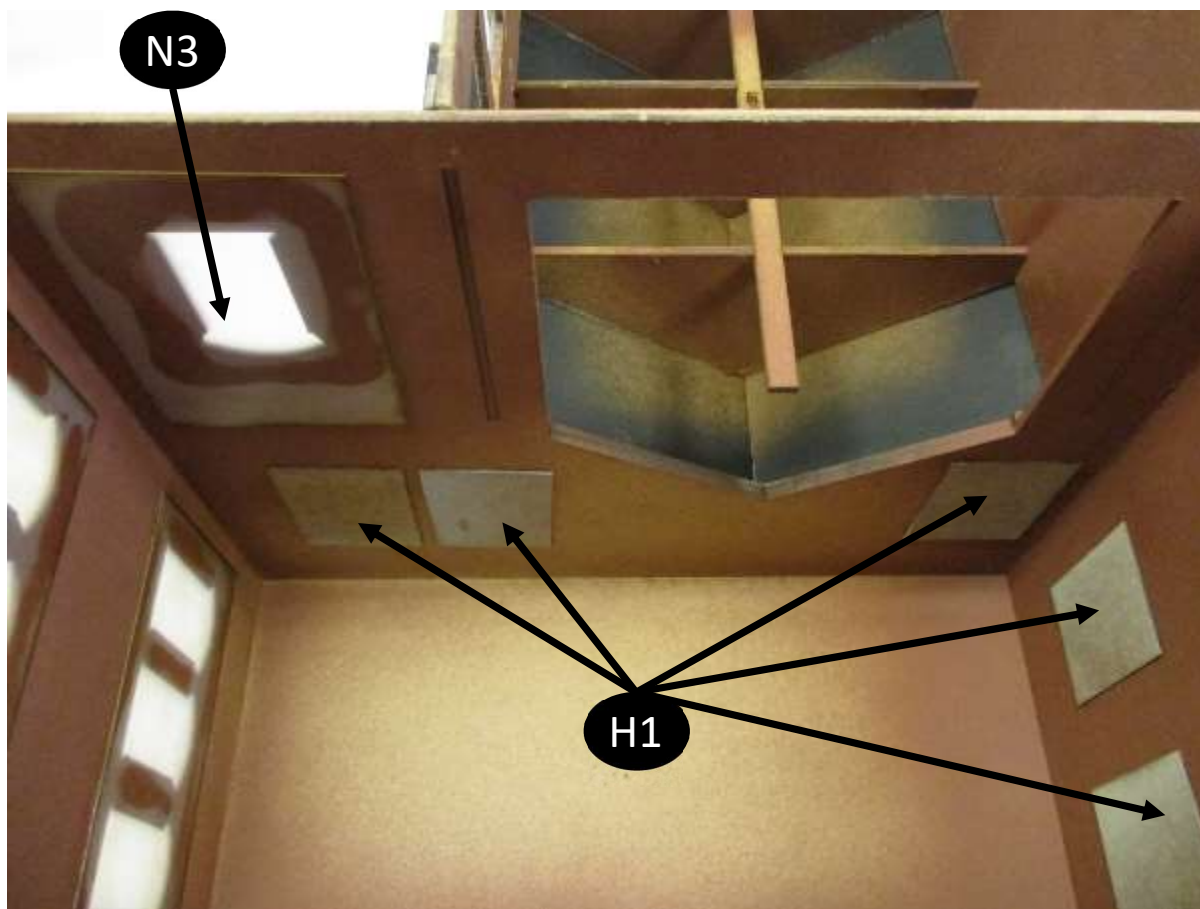


Assembling the windows

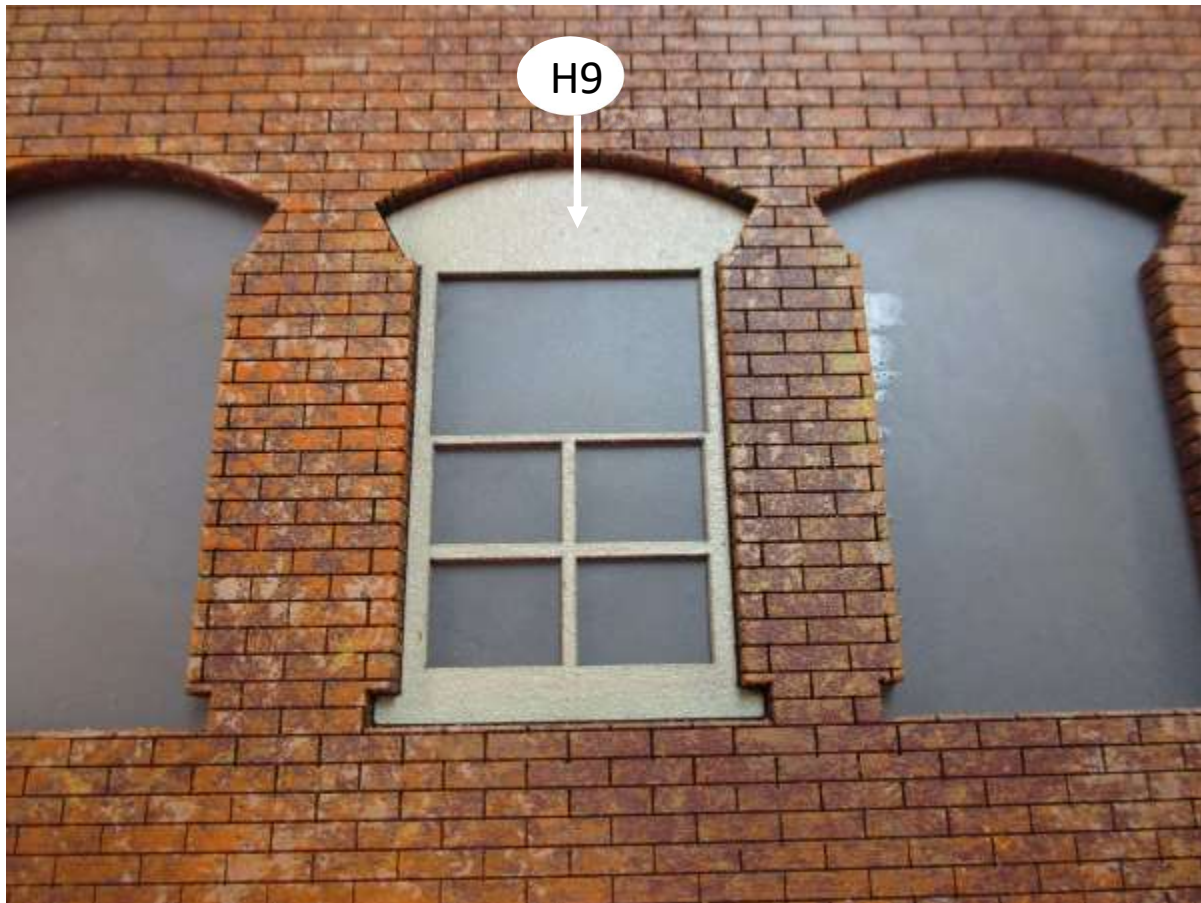
The kit includes 10 windows and 7 brick window inserts, the building has a total of 16 windows, it is entirely up to you which windows you use and where. For the sake of consistency with our marketing we will show the way we have advertised the kit, feel free to arrange the windows however you like.

Begin by using superglue to mount the frosted window pieces behind the windows that will receive actual windows. Use the window backing blanks for window openings that will receive the brick inserts. We recommend you use a few drops of superglue on the adhesive side of the window blanks to ensure it stays securely fastened to the raw MDF backing.





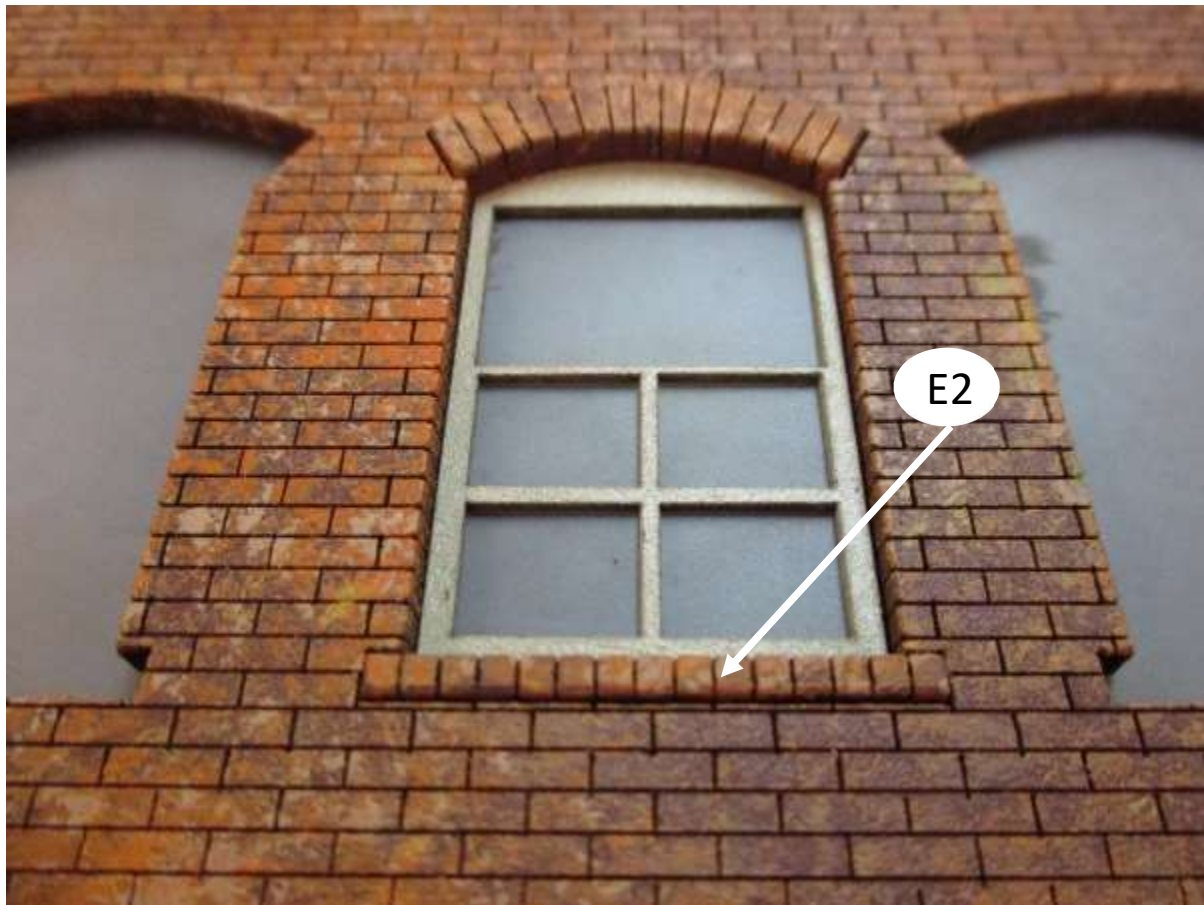
Windows with a frosted vinyl backing. Remove the adhesive backing and stick the window to the vinyl



Use a small dab of superglue to attach the arched lintel to the top of the window frame



Use a small dab of superglue to attach the sill to the window frame.



Remove the adhesive backing and position the double hung window to the top of the window frame.



The finished result will be a lintel and sill that protrudes from the brick face just slightly.

Use a small dab of super glue and attach the window blank to the blank backing you installed earlier.



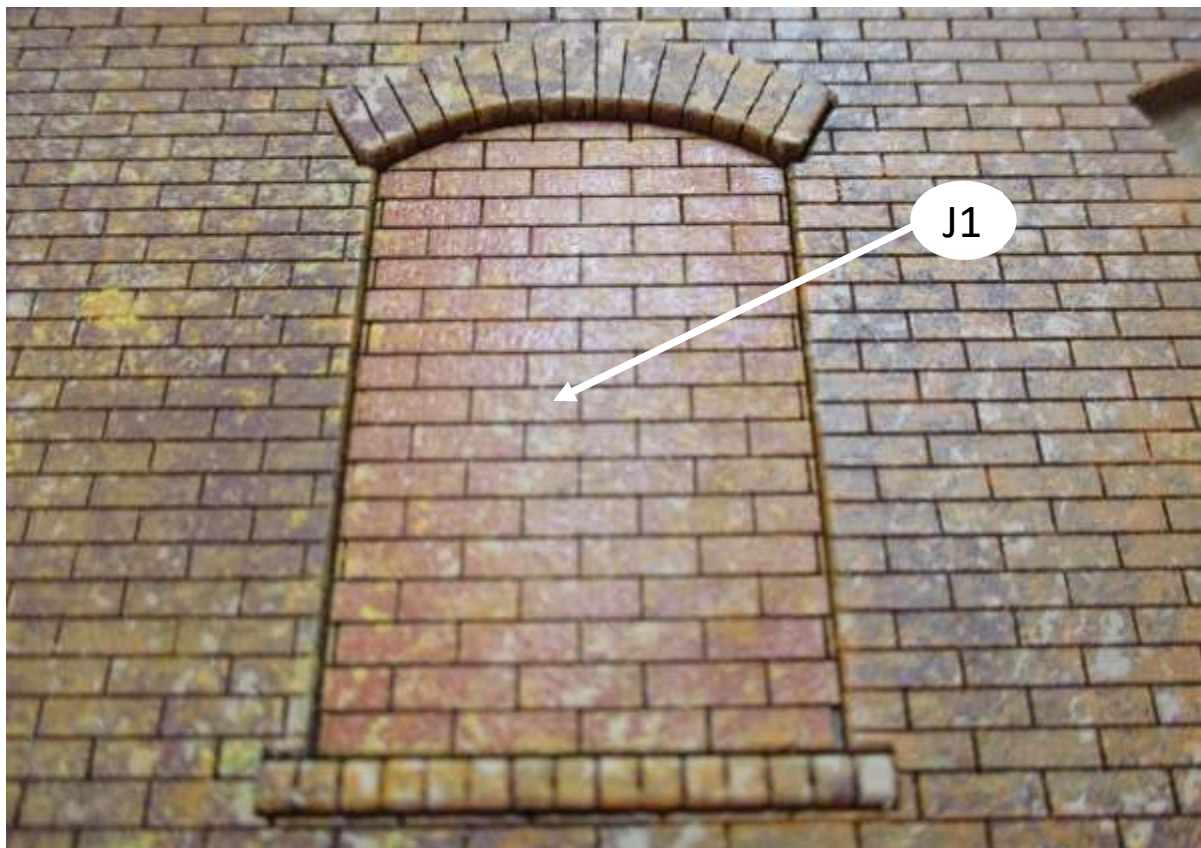
Use a small dab of superglue and attach the arched lintel to the blank insert.



Use a small dab of superglue and attach the sill to the window blank.



Finally use a few dabs of super glue and attach the brick insert to the window blank.

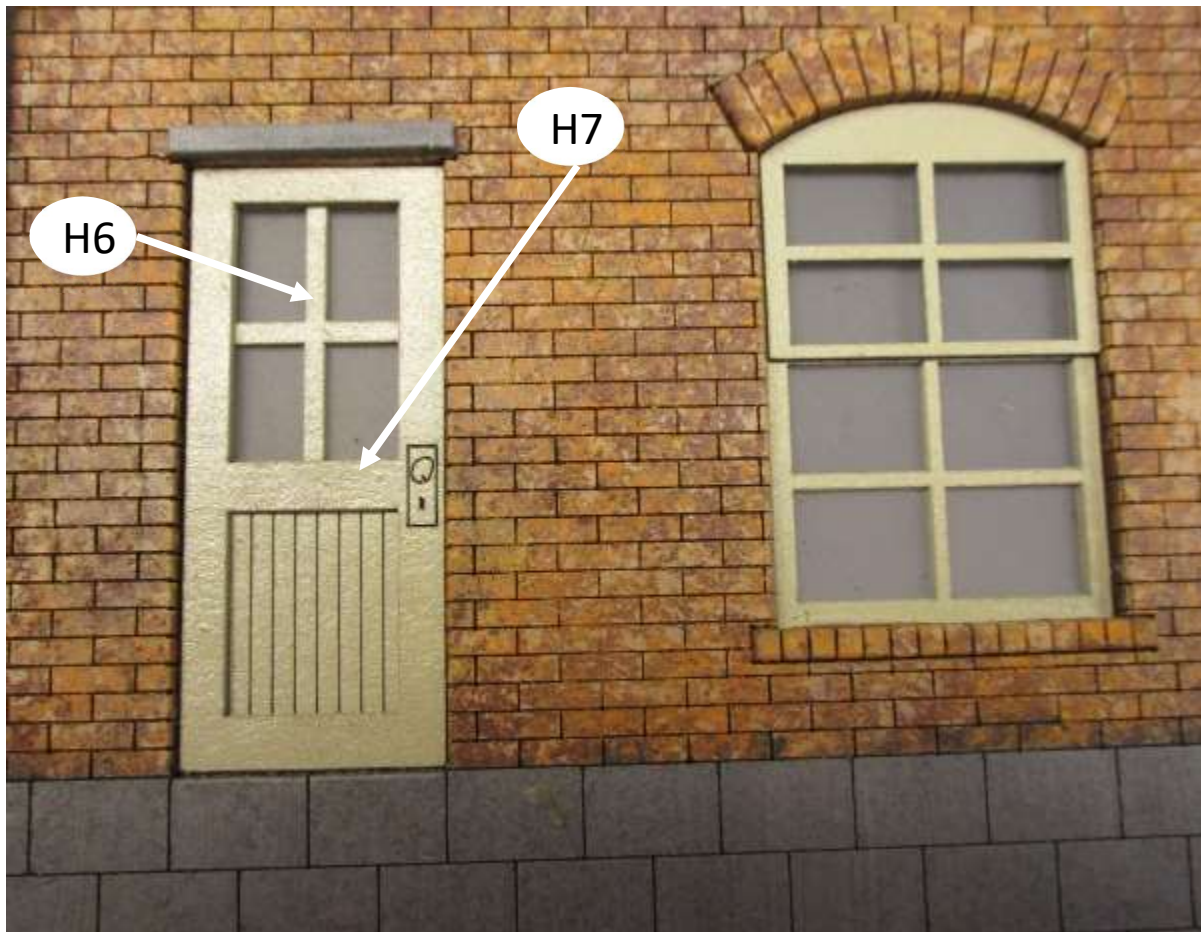


Repeat these steps for the windows and window inserts.

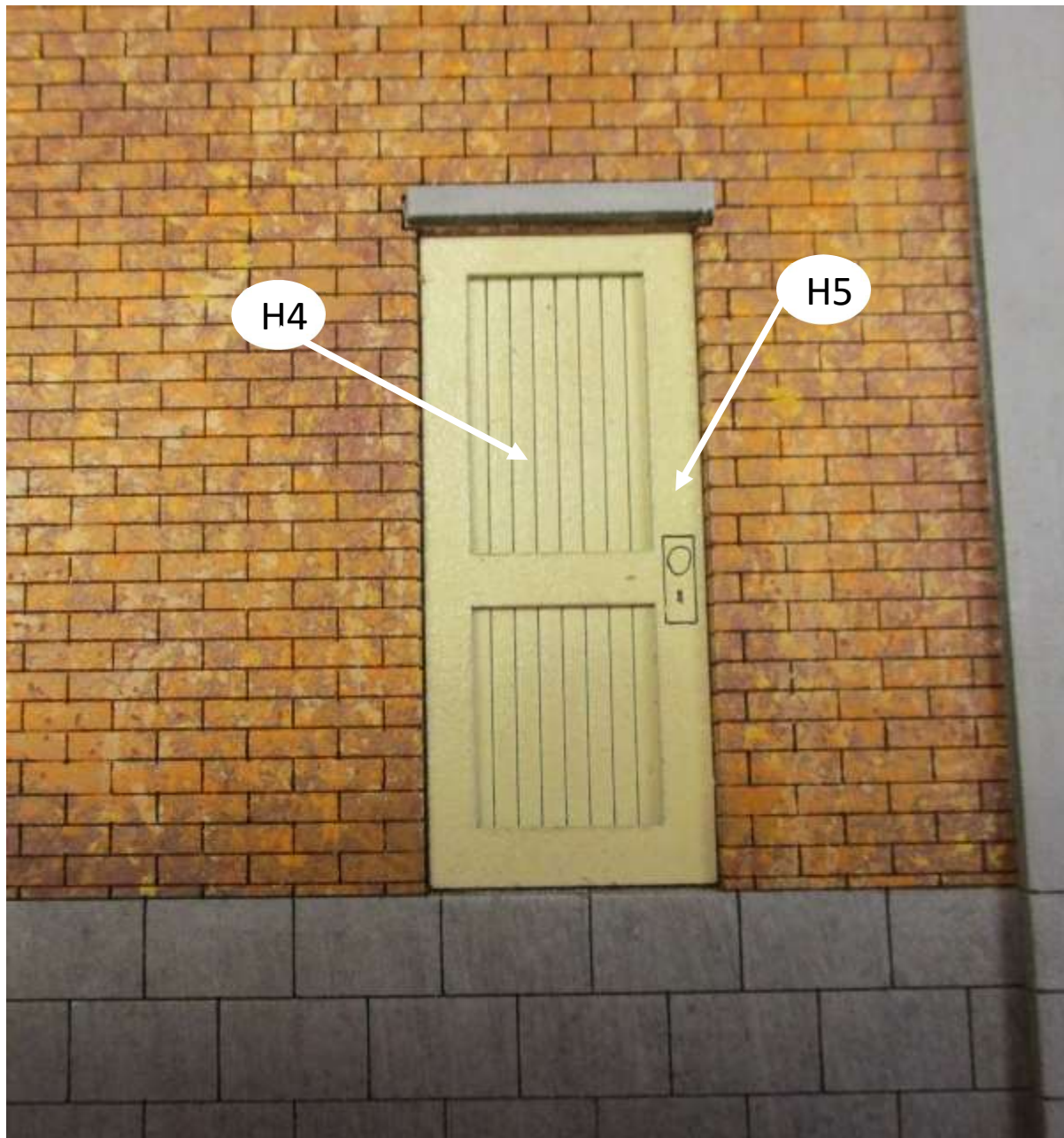
Assembling the doors

There are a total of 2 man doors, one sliding dock door and 3 garage doors. You can choose what position the 4 dock doors are in, to suit your tastes for the scene you wish to create. We only installed a small section of the floor level garage door to show that there is a door present, however, we wanted to leave it mostly open to create the best possible dock scene.

Remove the adhesive back on part H6 and place it on the frosted vinyl opening. Remove the back from part H7 and laminate it over top of part H6.



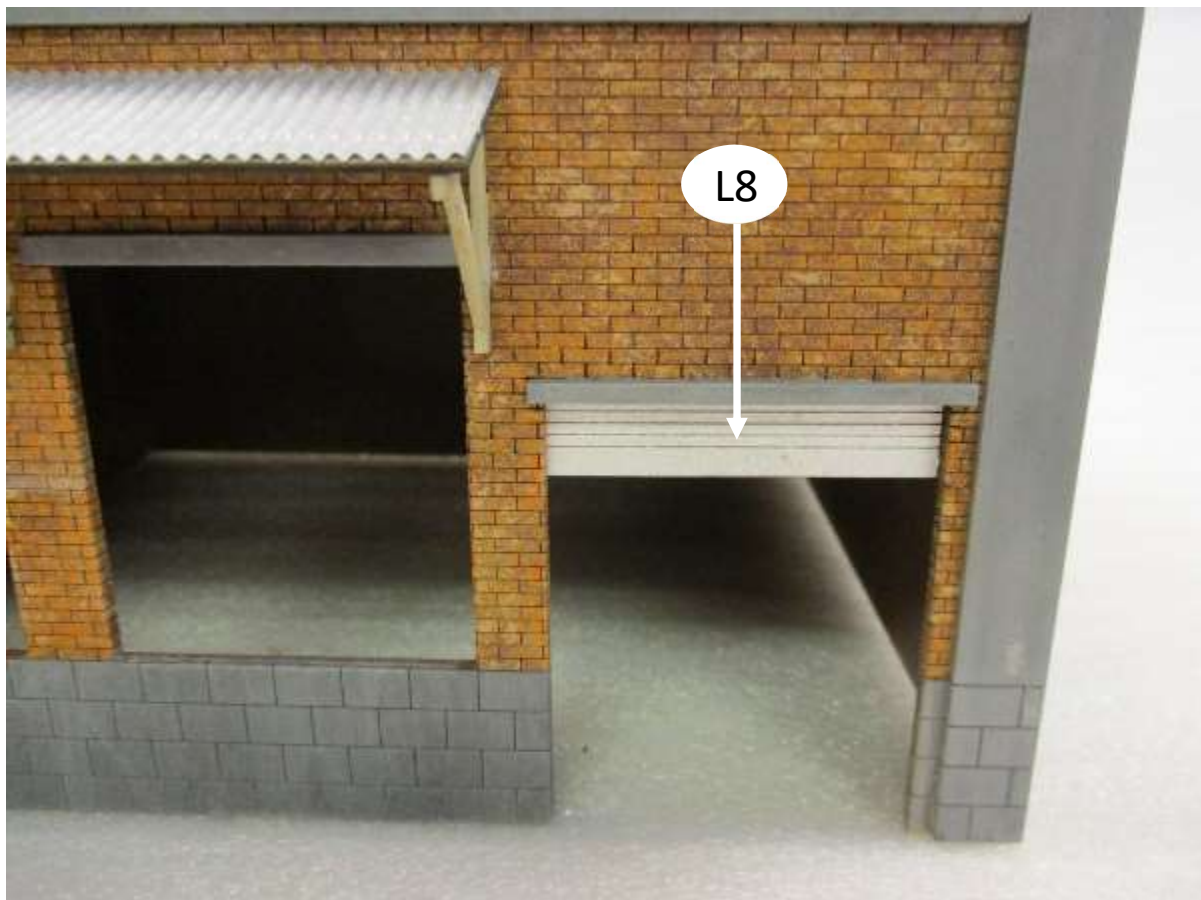
Similarly, remove the backing from part H4 and apply it to frosted vinyl backing. Remove the backing from part H5 and laminate it over top of part H4.



Finally, using a few dabs of super glue, mount the freight dock door track to the brick face. Remove the backing before applying the superglue. It is important that a tiny section of the door track be positioned on the left side of the lintel, to secure it to the brick wall.



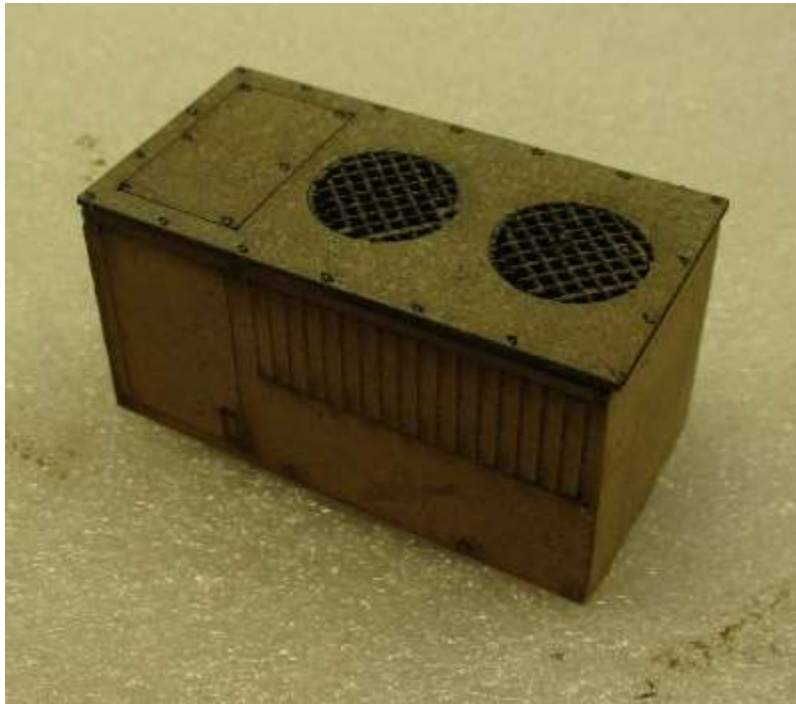
As mentioned earlier, we only used a small portion of one garage door to show its presence on the model. This door was cut short using a pair of scissors and super glued at the top.



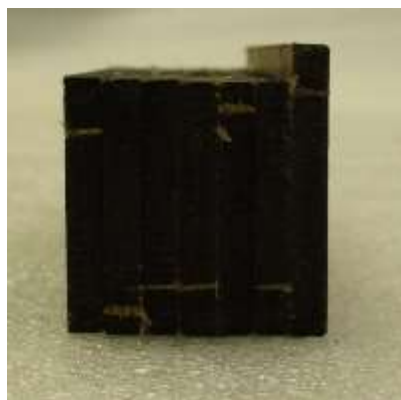
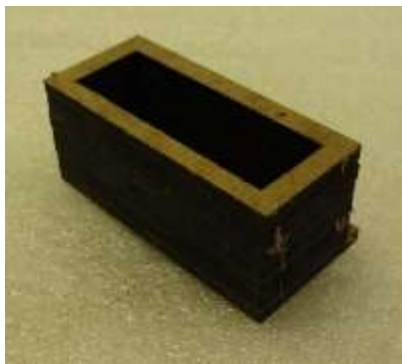
Assembling the Rooftop details

The rooftop details consist of an HVAC cabinet, a heating plenum and a ventilation duct. These parts are constructed by laminating the pieces together using either wood glue or super glue. Ensure the etched detail sides are facing outwards and the non-etched pieces are in the center of the “stack”. Do your best to align the outside edges of these stacks so they sand without having to remove too much material.

HVAC Unit (shown finished below)



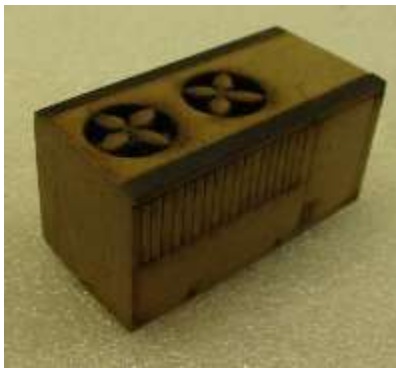
Start the assembly by removing parts O2, O3, O4 and O5, clean up the sprue marks. The unit is assembled by stacking parts O2 on top of one another as shown below.



The bottom edge of the stack should align with the bottom of the cabinet detail as shown in the completed photo at the beginning of this section and the photo below.

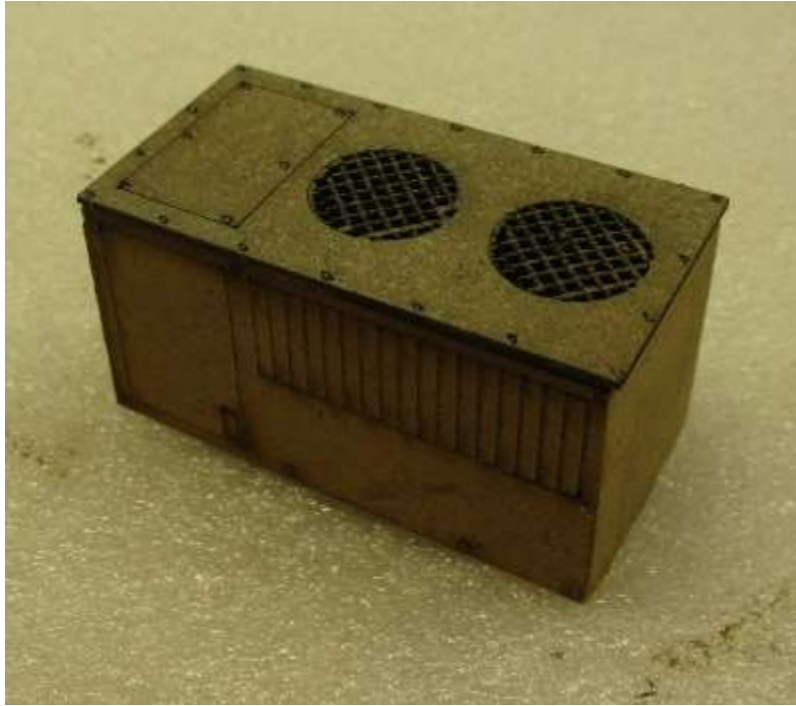


Once the stack is dry glue part O6 on top of the O2 stack, positioning the fan detail towards the etched vent details on the exterior of the cabinet.



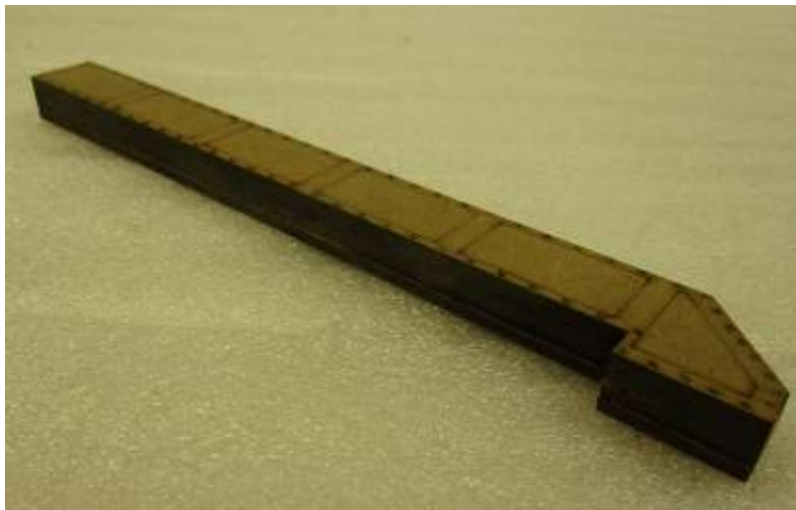
Next, glue the other side of the cabinet to the stack to create a cube, as shown above. Now sand the ends of the cabinet to makes the edges even with one another.

Finally, remove the adhesive backing from part H11 and use a couple small dabs of super glue to position the top cover on the HVAC unit, as shown below.

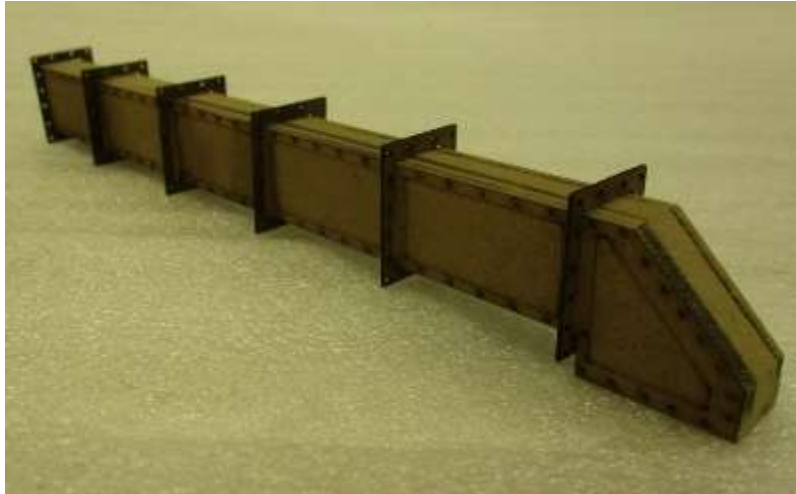


Assembling the Plenum

Remove parts F1, F2 and F3 from the fret and sand the sprues off. Stack these pieces like you just did for the HVAC unit, ensuring the etched details remain on the exterior of the stack.

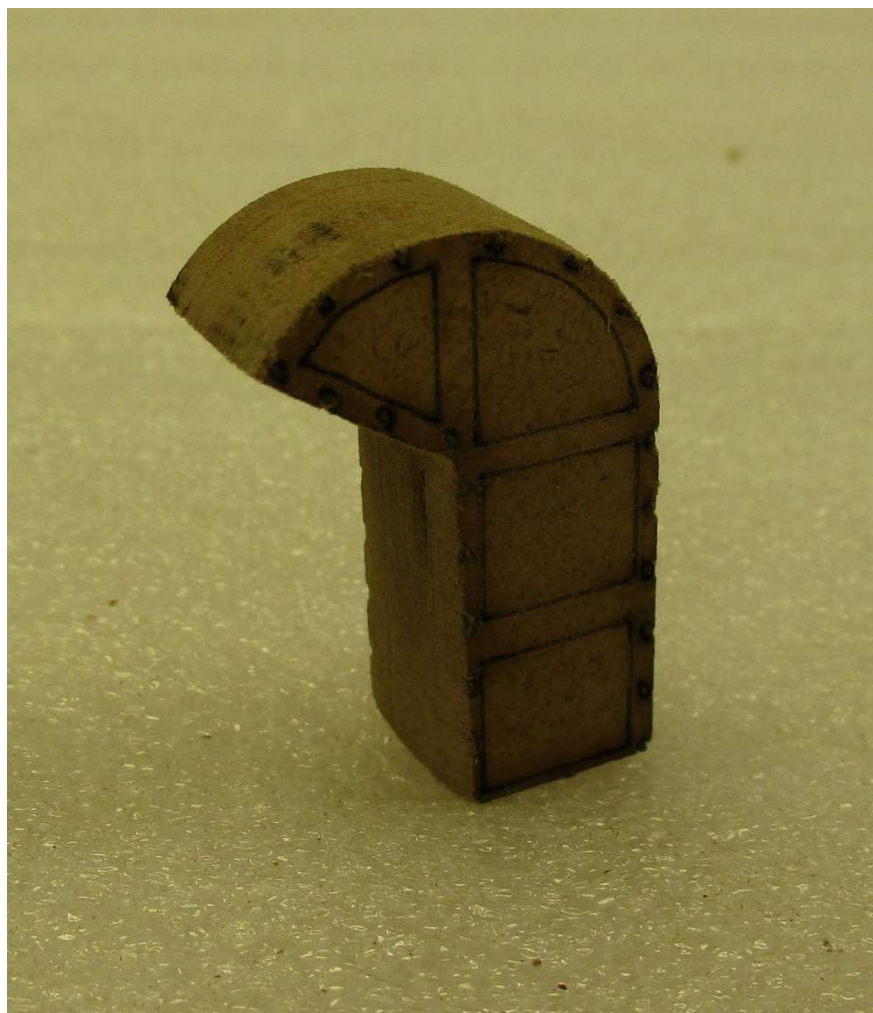


Once the stack is dry sand all the surfaces to make them smooth and install the joiner pieces (L2) as shown below. Only apply superglue to the underside of the plenum, to keep the exposed top free from any globs of glue!



Assembling the Ventilation Stack

Assemble the ventilation stack (pieces located on the F fret) in the same manner as the plenum and HVAC unit. Sand all the edges smooth once the glue dries.



Mounting the Rooftop Details

Glue the rooftop details to the roof using either super glue or wood glue. We arranged the details as shown below.



The kit comes with a bag of fine ballast, use white or clear school glue to attach the gravel to the building roof. The photo below shows the completed model with the ballast applied to the roof.



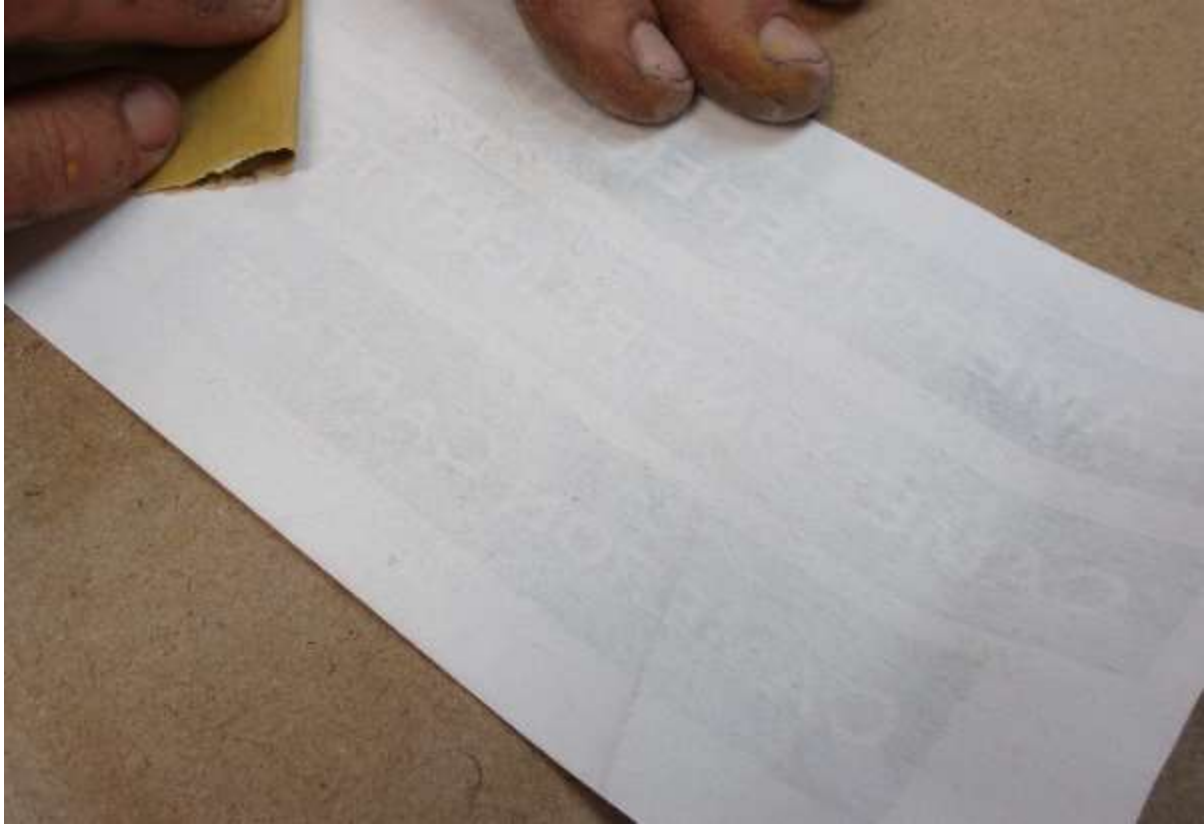
Assembling the wooden crates

Assemble the wooden crates in the same manner, laminating them with the etched surfaces facing outward. There is a total of 8 crates provided. Once assembled sand the edges smooth and paint accordingly.



Applying the signage

Using 400 grit sandpaper carefully sand the back of the sign paper, making the sign as thin as possible without tearing the signs. ***NOTE: Its best to sand the signage on as smooth a surface as possible! Its okay if the sign tears a little, as this will give character to the finished results.* Once you have sanded the backside of the paper signs use a sharp X-Acto knife and straightedge to cut the signs out, even with the black background



Sand the backside of the signs until the black blocks start to show through. Don't sand too aggressively, as this will tear the signs.



Use either Elmer's white or clear school glue and apply a thin layer on the back side of the sign, then apply to the brick surface. Use a damp paper towel to dab the sign into position. Then use a dry paper towel and dab the sign to work it into the mortar lines.



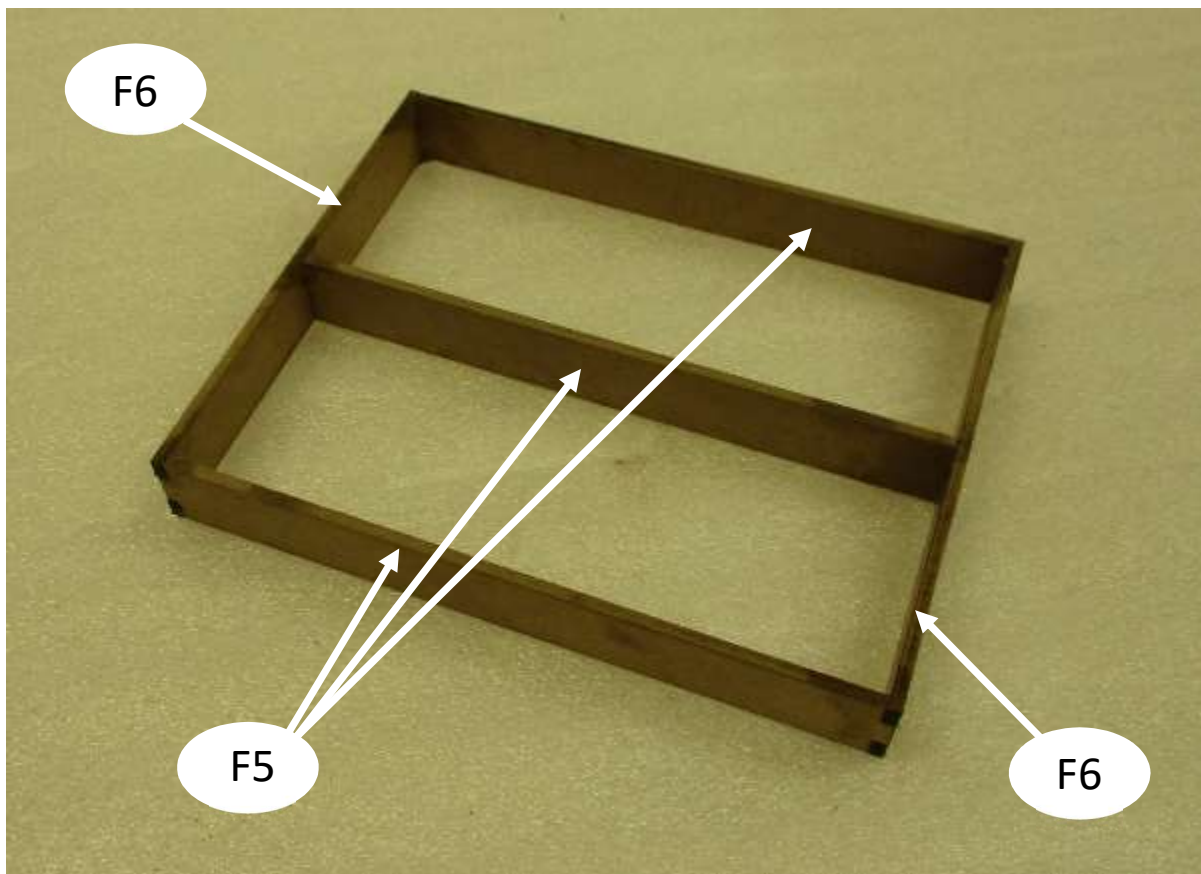
Its okay if the sign tears a little, this helps add an aged look to the sign.



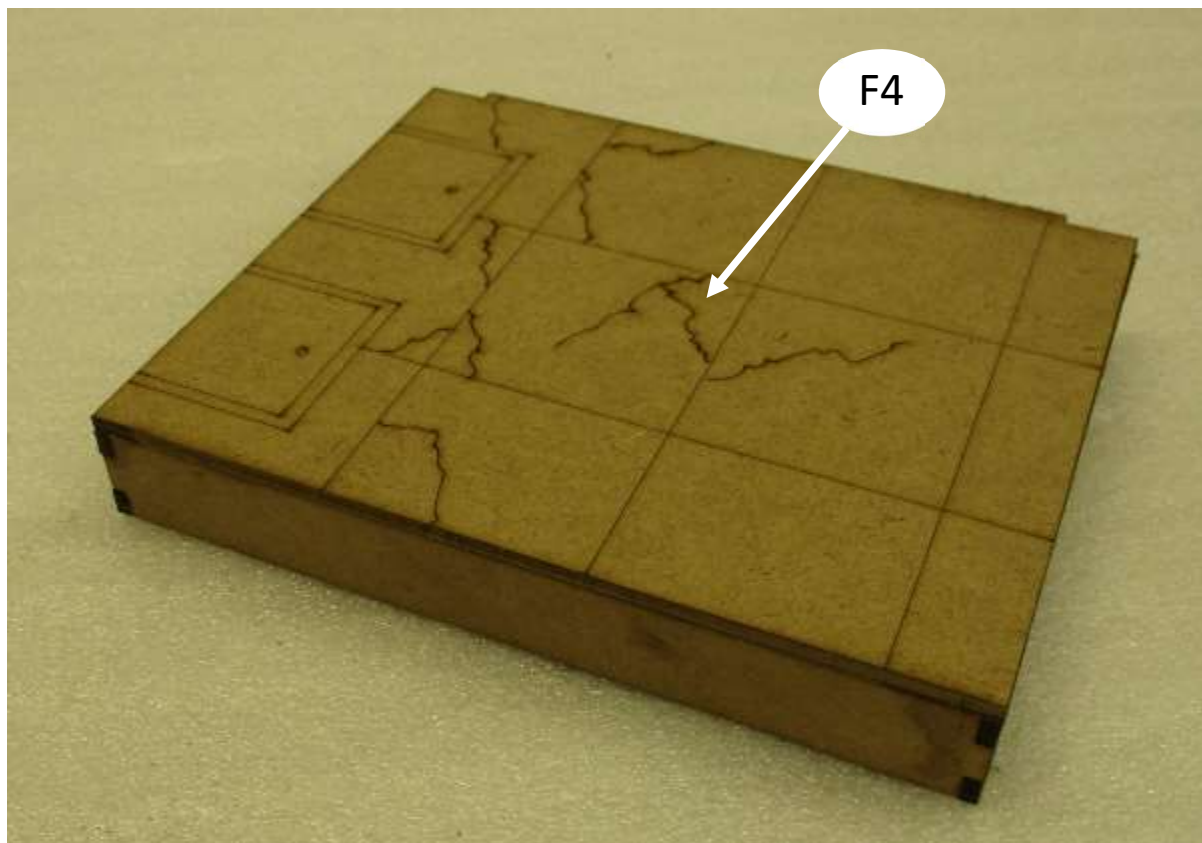


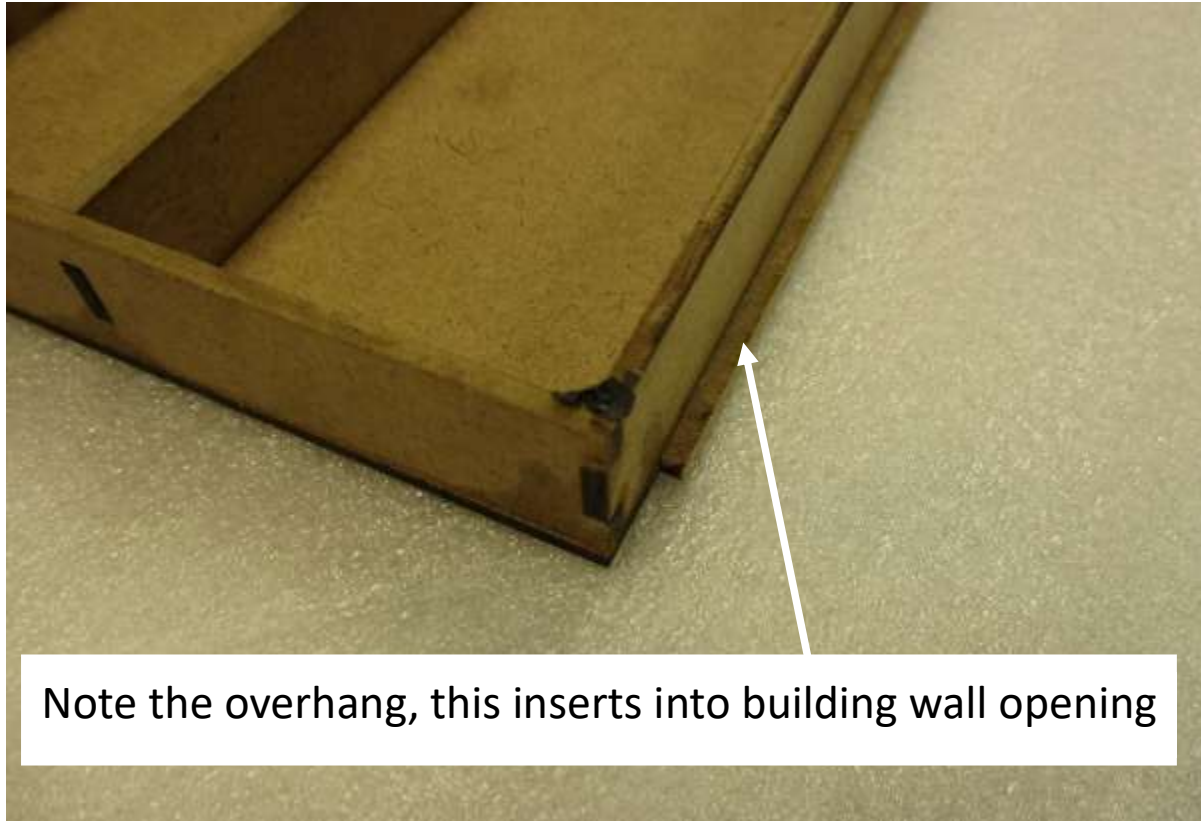
Assembling the Freight Docks

There are two interior docks to be assembled (providing you chose to leave the doors in the open positions). The first is the truck dock floor. Use wood glue to put this assembly together.

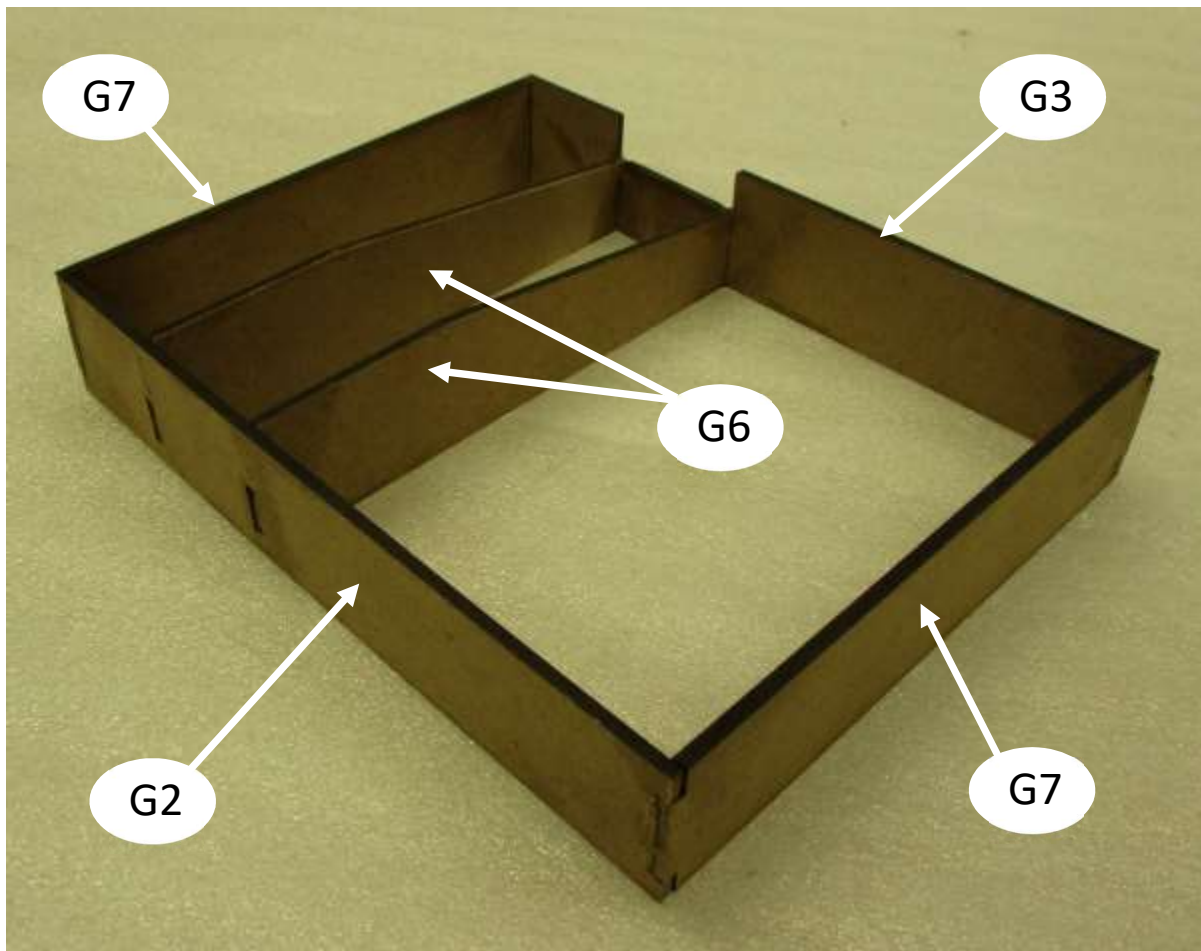


Once the under framing is dry its time to mount the dock floor. Note there is a lip on the side of the dock that protrudes over the opening between the two structures.

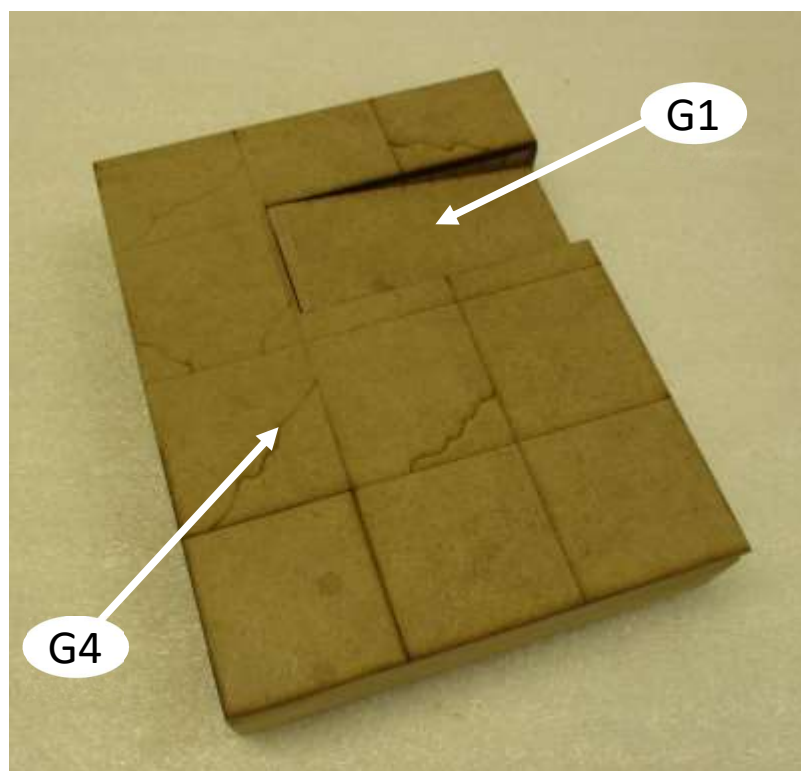
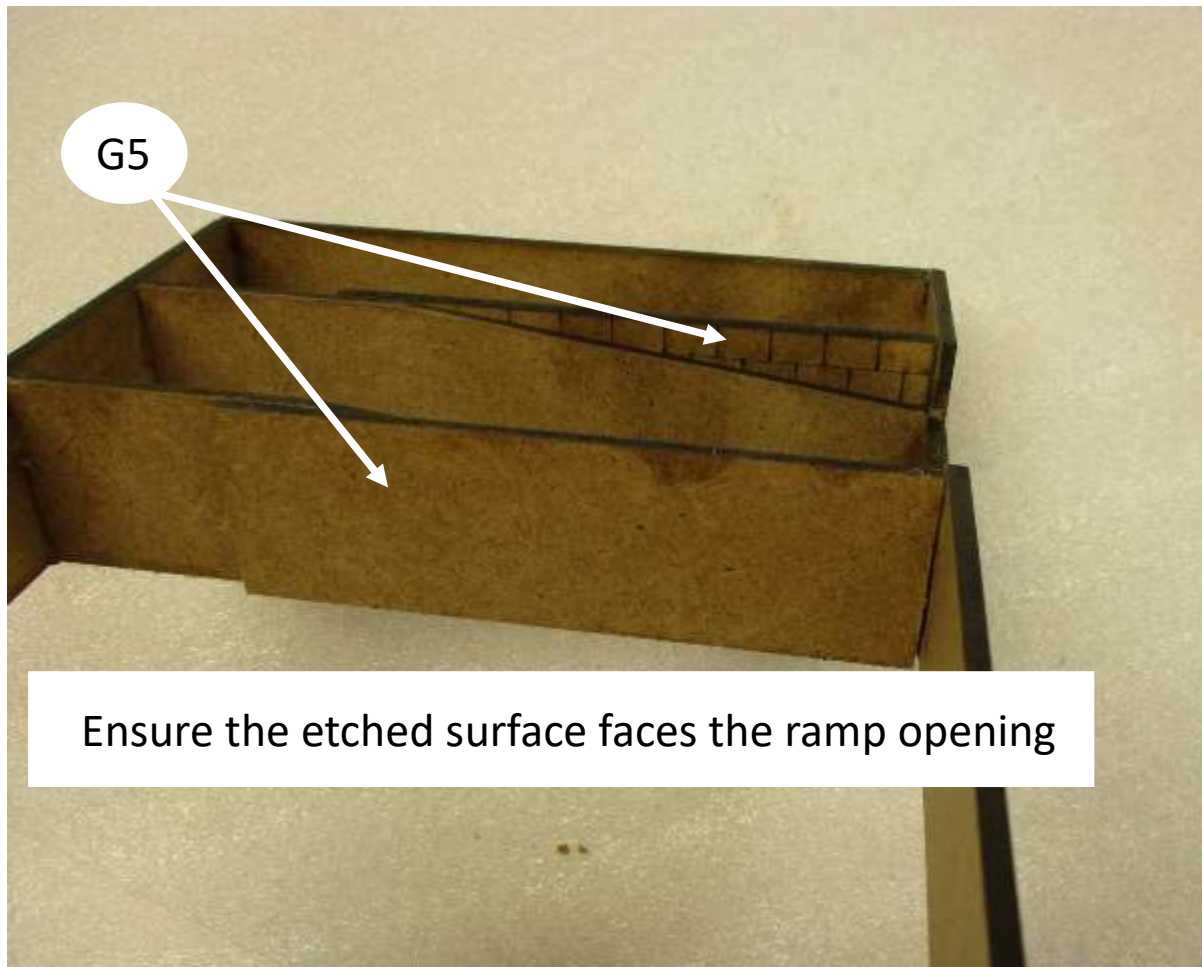




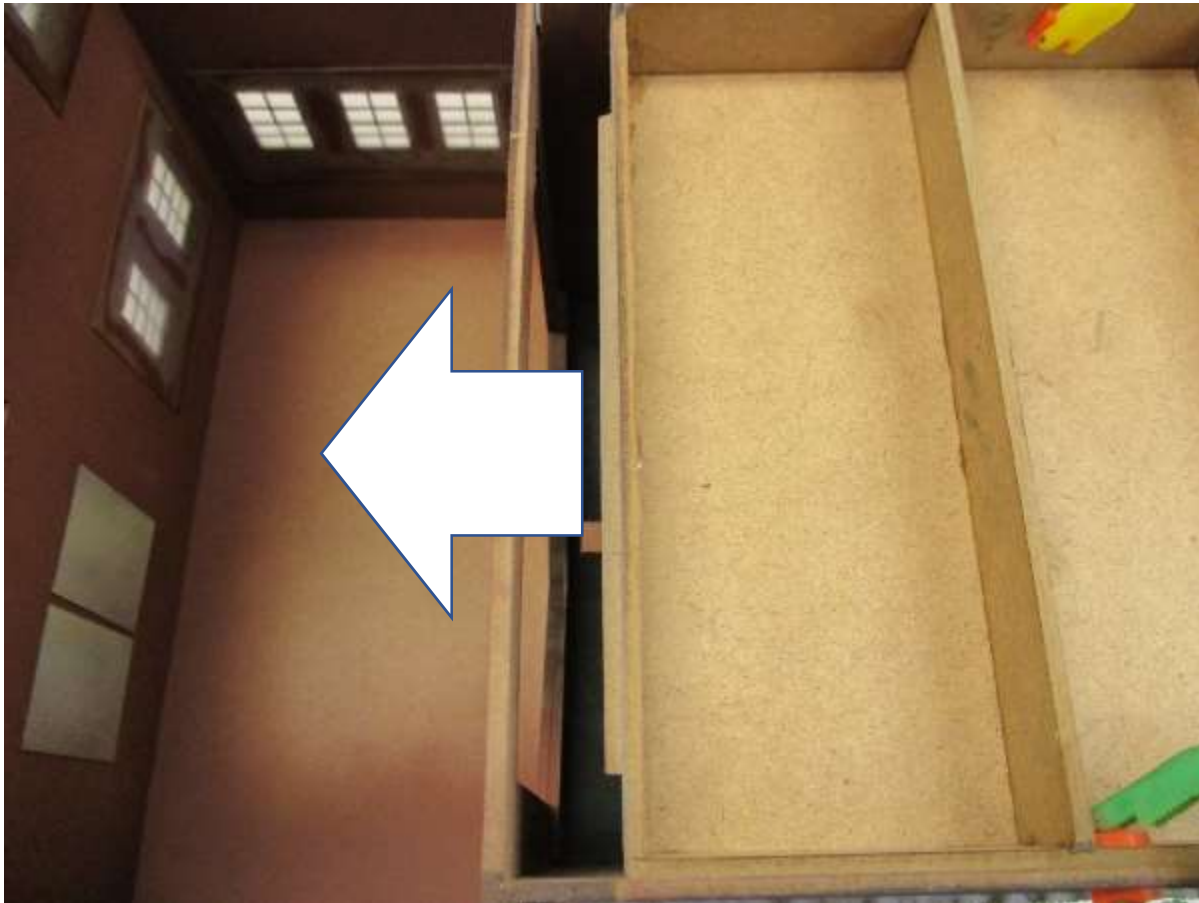
The main building has a dock floor as well, but its 2 courses taller than the garage floor, so there is a ramp to accommodate the height difference.



Once you have the under framing built you need to add the interior block details to each side of the ramp. See below



Attach the dock floor to the under framing using super glue. Paint the dock floors accordingly. Once painted the floors will install inside both structures as shown below. Its your choice to glue the docks in place or detail the docks before gluing them in position.



The garage dock lip goes over top of the opening on the tall building wall as shown above.



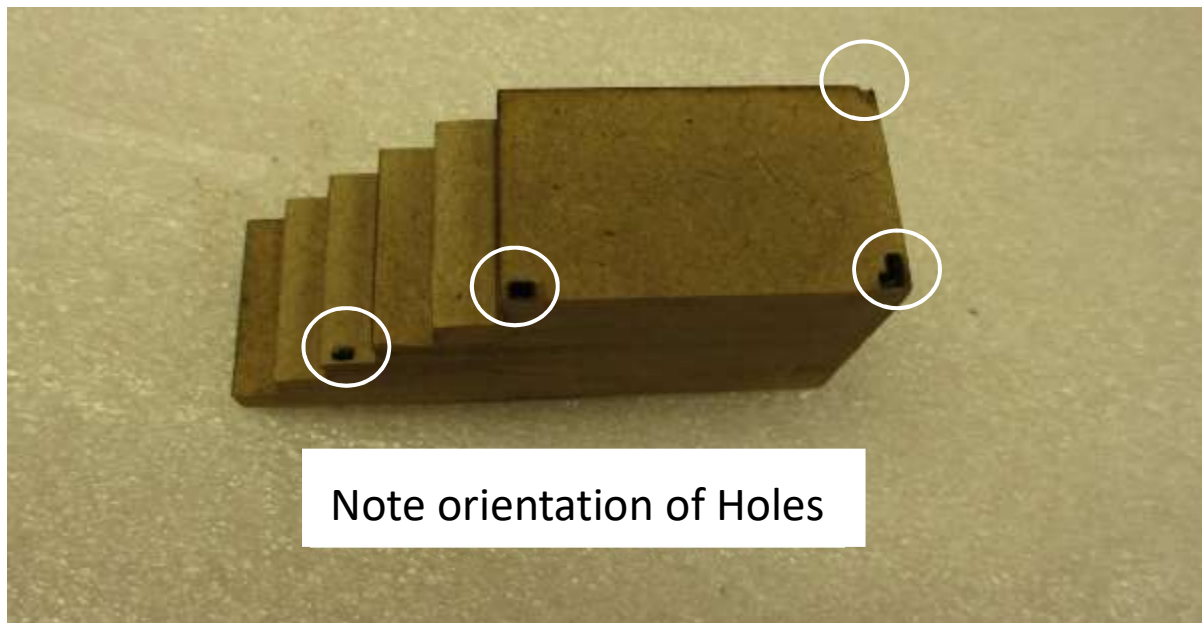
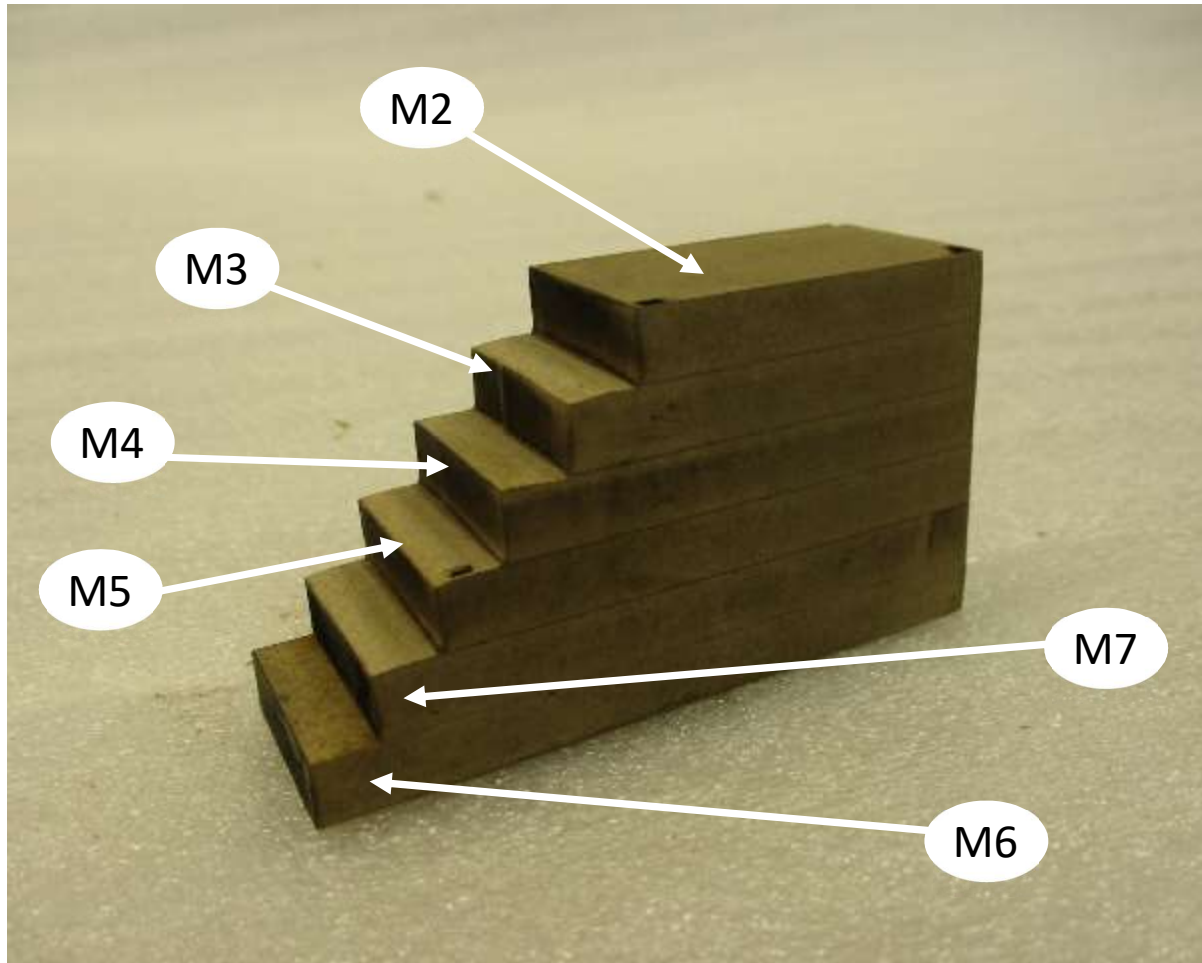
Note the orientation of the ramp on the main building dock. The photos below show the ramp positioned properly inside each structure.

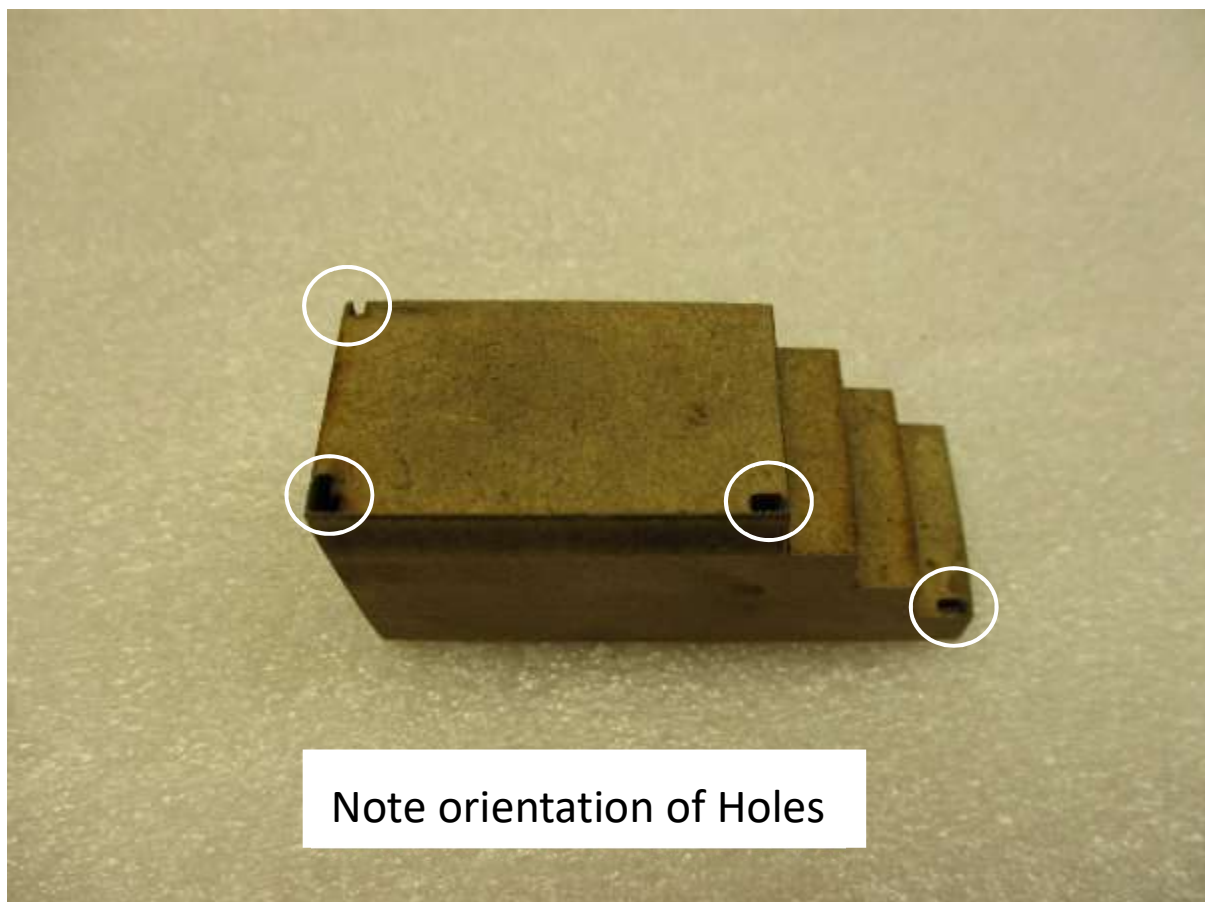
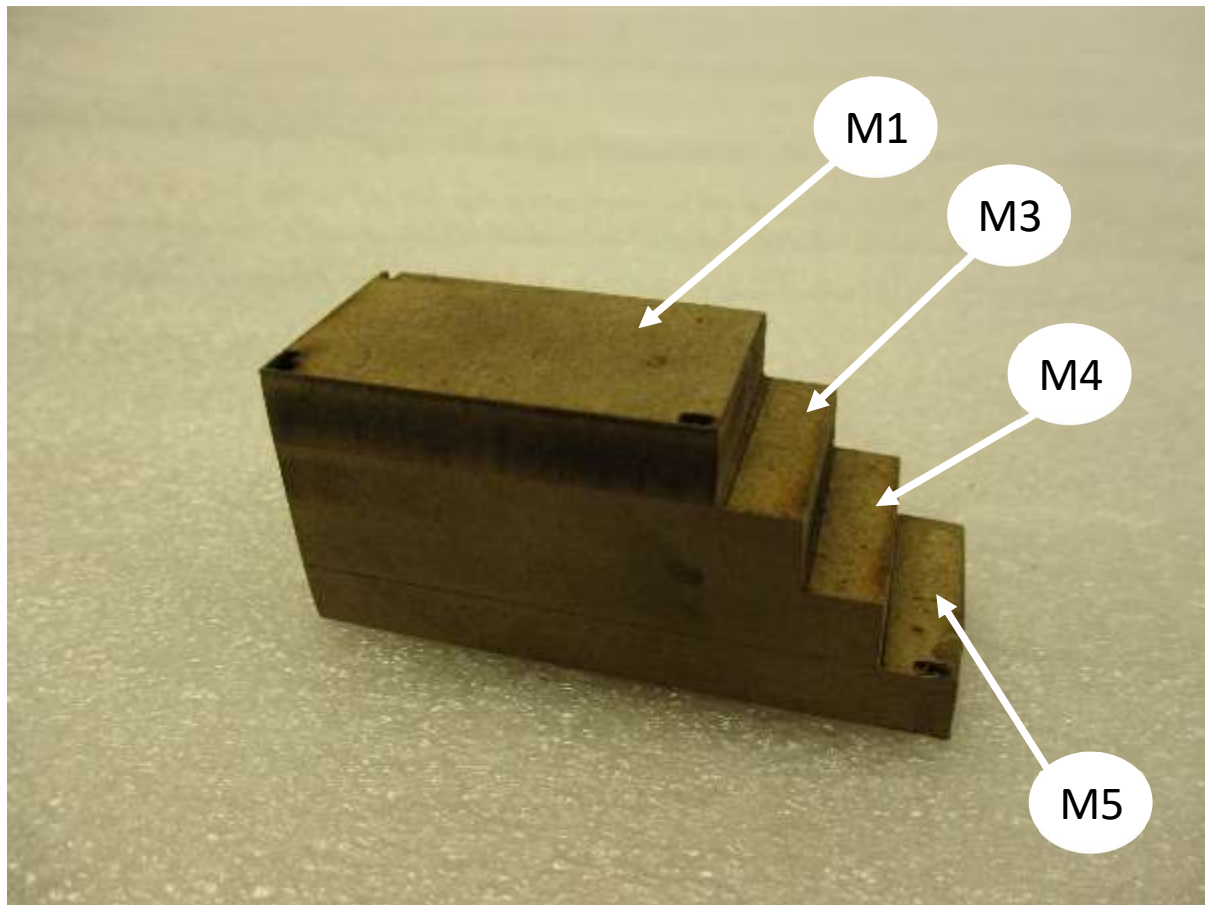


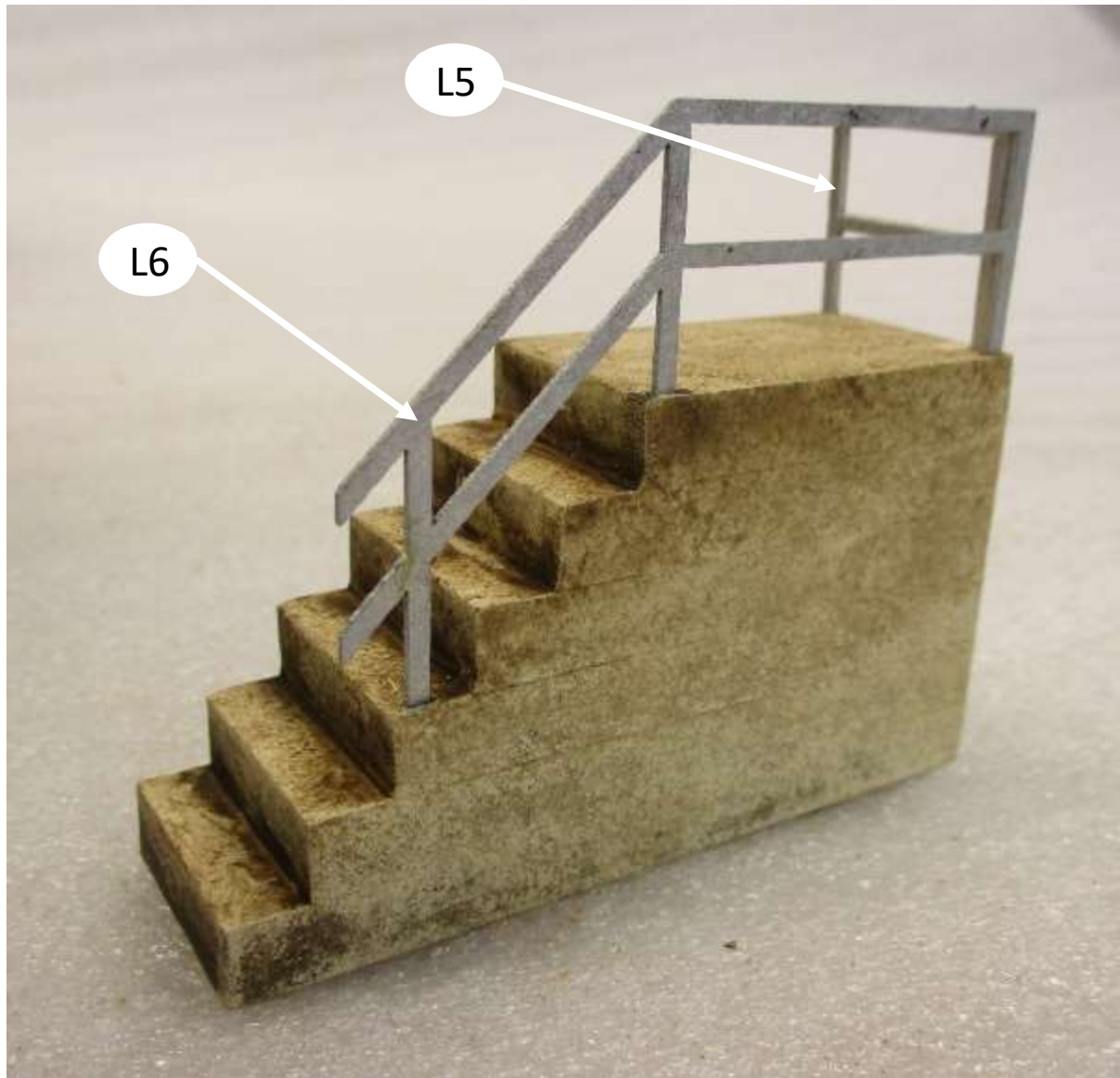


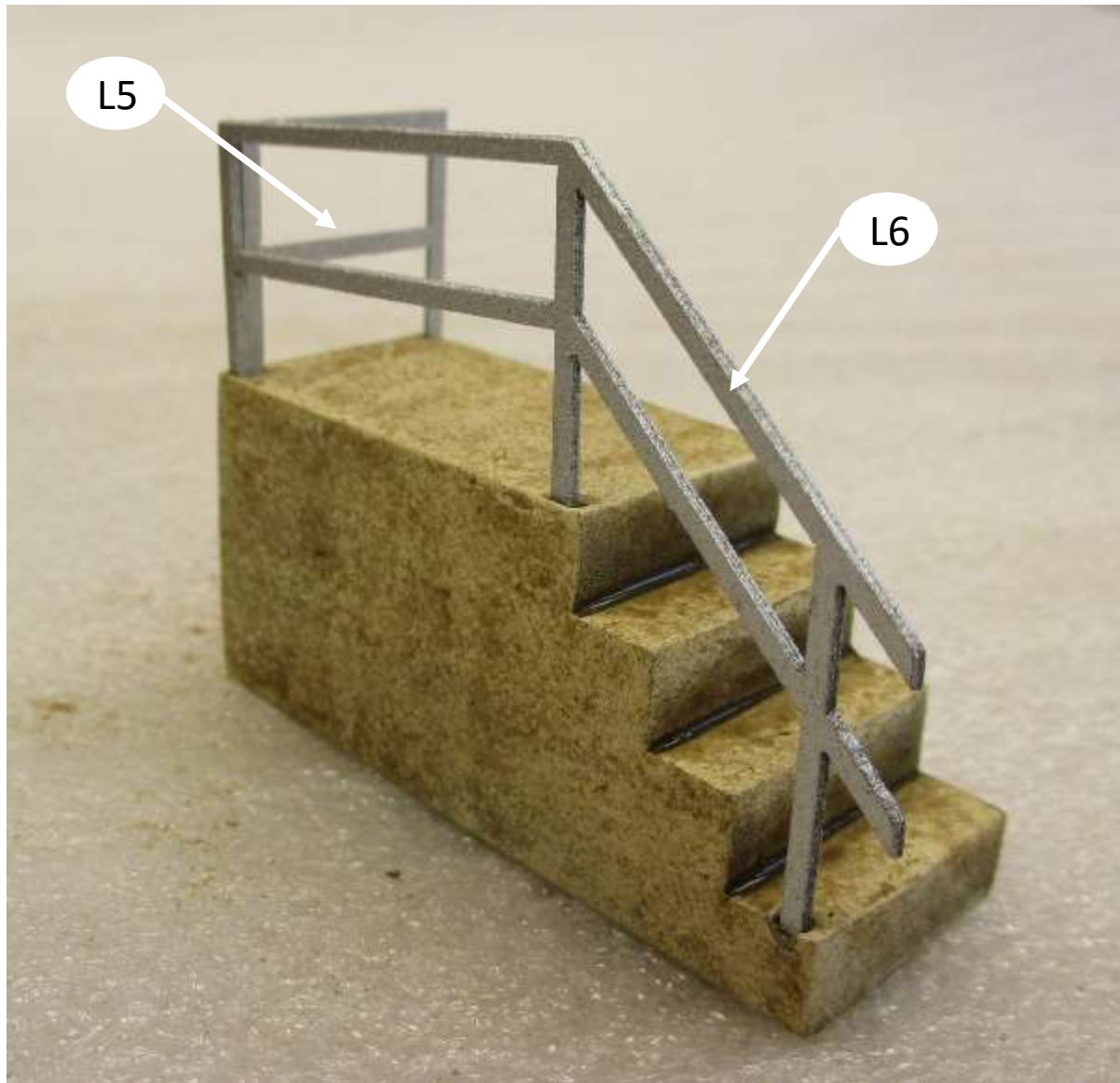
Assembling the staircases

The staircases are made from $\frac{1}{4}$ " MDF and are laminated, much the same as the rooftop details and wooden crates. There are a total of 2 staircases, one that raises 4 courses of cinder block (front office door) and one that raises 6 courses of cinder block (rear exit door). The orientation of the railing holes matter on both staircases, so pay close attention to these holes!









Once the railings are in place, glue the staircases to the cinder block, allowing enough space for the door to open and a figure to enter the doorway.

Below are photos of our completed freight house, after being weathered.















Please visit our online web store for more Craftsman Hybrid kits;

<http://www.twtrainworxstore.com>

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