

G.C. Murphy 5 & 10 Store.



RIVER LEAF MODELS, LLC

Thank you for purchasing the GC Murphy 5&10 structure kit. Your kit includes everything you need to assemble the final product. We recommend using “Carpenter’s Glue”, which is available in various brands, including *Elmer’s*. We also recommend using a steel square for perfectly aligning your walls. Perpendicularity is important; and a drafting triangle will also suffice. A sharp *X-Acto* knife and a sanding tool are also necessary, with either fine sandpaper or a nail file being suitable.

Step #1 – Glue the Four Walls Together.

Apply Carpenter’s Glue to the edges of the side walls (B & D). Do *not* use excessive glue, rather apply a thin bead of glue and spread it out as a thin coat. You may also apply a bead of glue to the inside surfaces of the front and side walls (A & C). Carpenter’s Glue will afford you the time to perfectly align your walls, as there is some “setup” time for drying. I recommend gluing one corner at a time. This will give you the flexibility to adjust the perpendicularity of the structure. Once the walls are securely glued, I recommend letting the glue dry additionally for 24 hours. While the glue is setting, you can use the roof panel to check the perpendicularity of the building corners. It may also opt to use clamps positioned with the clamping faces on the front and rear of the building, forming a tightly glued seal.

With structures made of lighter, or less sturdy, material, it is common practice to run a square brace tucked into each quarter using 1/4” or 3/8” square wood. The thickness and squareness of River Leaf wall sections makes this an unnecessary step, however the option is available.

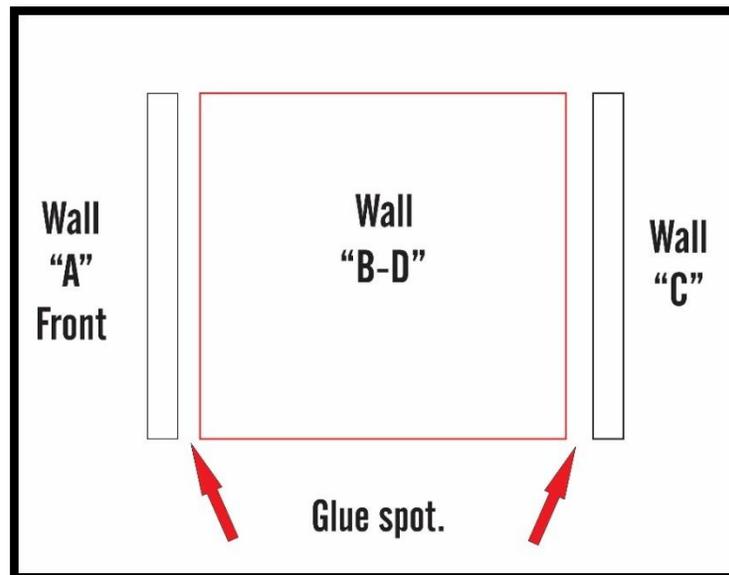


FIGURE 1 – GLUING THE STRUCTURE WALLS

Step #2 - Painting the Base Structure.

There are a number of methods for painting the structure. Experienced modelers will find the structure is well suited to any number of painting and detailing techniques. Here is one technique delivering excellent results.

Using a sponge roller, paint the brick surface with the desired color. The sponge roller controls the paint application without contaminating the mortar lines. After the paint dries, spray dull cote over the structure to seal the acrylic paint. When the dull cote dries, apply wall compound as mortar, remove the excess from the brick surface with a damp cloth.

Note:

We recommend acrylic paint sold in crafts store. The MDF or any other material supplied with our buildings do not require primer or sealer before painting.

Step #3 – Assembling the Front Entry Foyer.

Your structure is now stable, squared up and ready for the details. Prior to installation, this is the time to decide on your color scheme for your detail parts, including window and door frames. Painting these prior to installation will yield the best results.

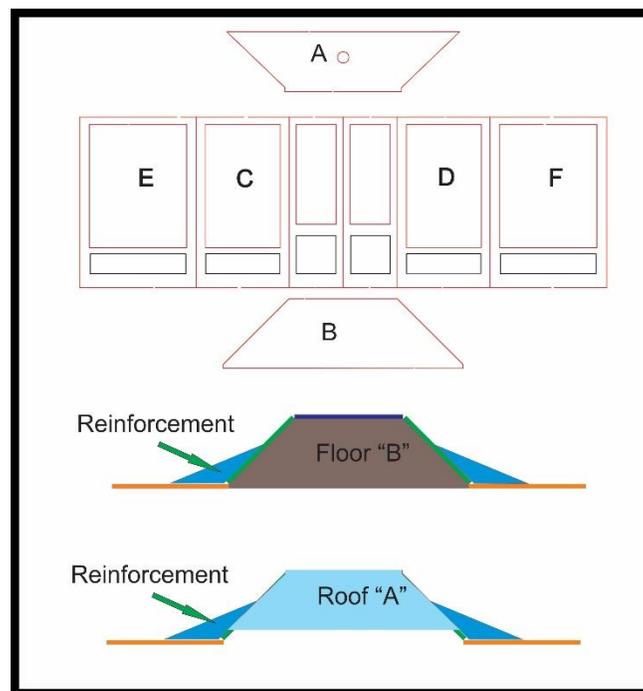


FIGURE 2 – ASSEMBLING THE FRONT ENTRY FOYER

The front entrance is a recessed entry and fits as the front wall. The best way to assemble these pieces is to lay the door flat on your work surface and glue part “B” and “A” on the top and bottom of entrance door edges. The doors are around the piece “B” and the piece “A” on top of the doors. You want to keep these pieces perpendicular to the door. You can check this alignment using a drafting triangle or another 90 degree tool. Once dry, glue sides “C” and “D” to parts “A” and “B” as shown. Think of this as building a bathtub with four sides and a base. You may notice a slight gap between side pieces “C” and “D” and the main door. Touching this gap up with paint will seal it closed.

Install the frame windows “E” and “F” to each side using the reinforcement triangles. ***Do not use the reinforcement to close to the windows edge because you will not have space enough to install the acetate windows.***

Glue the front panels by applying glue on the edges only. Be sure the floor section (Part “B”) lays over the front wall “step”.

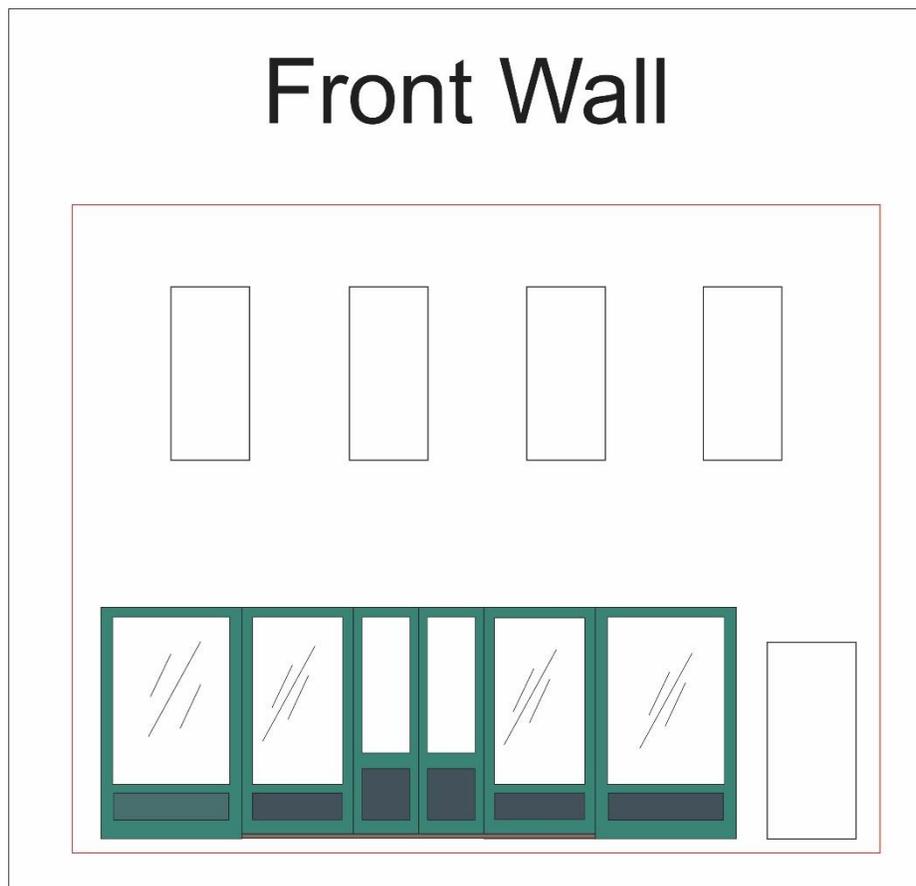


FIGURE #4 – ASSEMBLING THE FRONT PANEL

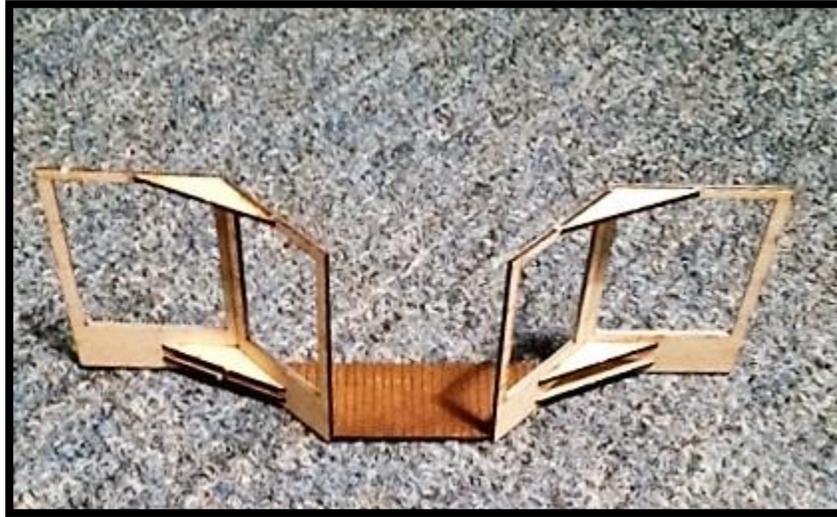


FIGURE #5 – ASSEMBLING THE REINFORCING BRACKETS

When gluing the front entry foyer to the front panel, apply glue to the sides of “C” and “D” as well as “A” and “B”. Position the entry foyer so the floor section “B” aligns with the bottom of the front wall.

Apply the window glass as appropriate. Your entire front panel is now complete. You may opt for customization, such as adding illumination to the entry foyer using either a bulb or LED light source. Attach the completed front entrance assembly to the front wall from the inside and align accordingly.

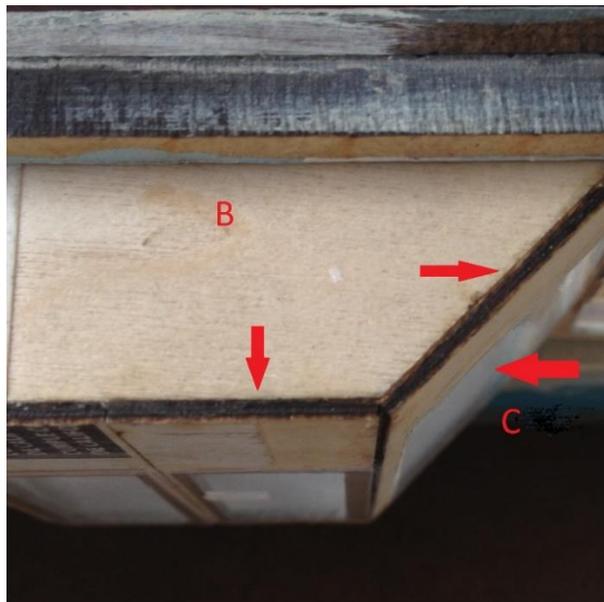


FIGURE #5 – SECURING THE FRONT PANEL ASSEMBLY

Step #6 – Applying Windows, Doors and Details

After painting, place windows and door as shown. Apply the window glass and shade and insert into wall. The door is precut, if you want to model it opened. Paint the steps and overhang roof and glue it accordingly. The front views shown in Figure #6 illustrate window, door and detail placement.

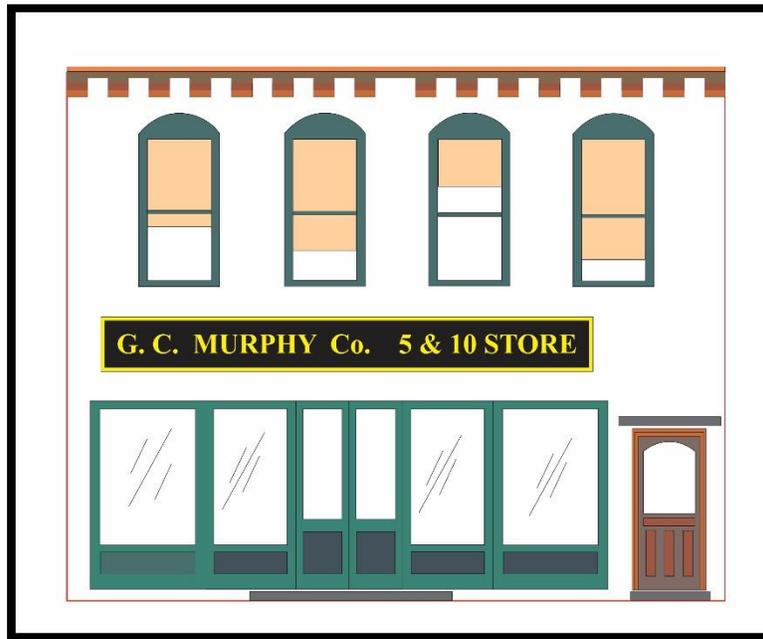


FIGURE #6 – WINDOW, DOOR & DETAIL PLACEMENT

Corbellings are comprised of 3 pieces mounted one over the other. Apply a small amount of glue and let it dry over a flat surface. I recommend painting all corbellings before gluing. Install the corbeling over the top front flush with the wall edge. The last piece (blue in the picture) will cover the corbeling and the wall. Figure #7

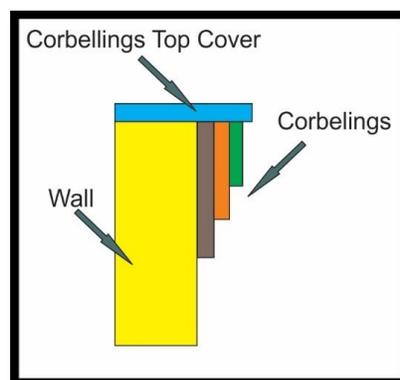


FIGURE #7– CORBELING

Awning will be located centered regarding the main entrance.
 Prepare the awning first, bending slightly the edges using a ruler and keeping parallelism regarding the edge. The edge attached to the building can be reinforced using a 1/16 square dowel as show in the picture giving robustness to the awning. Apply small amount of glue on the awning and attach to the building to your desired height. Figure#8

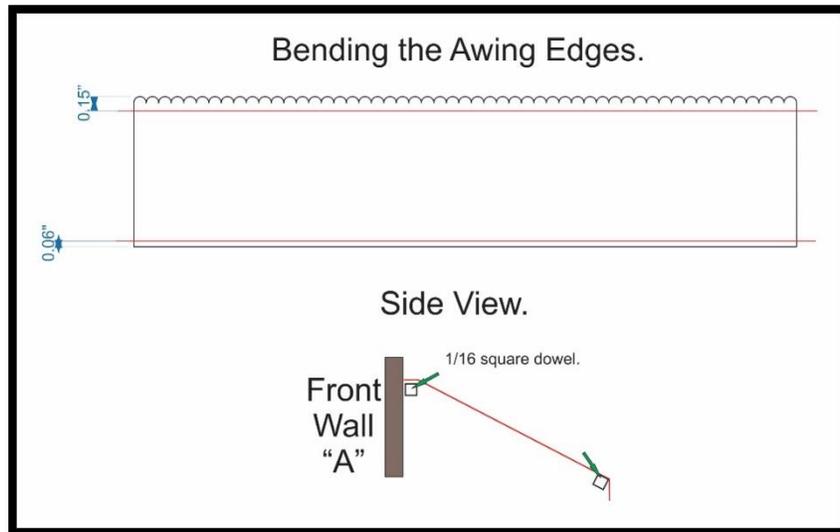


FIGURE #8– AWNING

Step #7 – Roof

Roof is self-explanatory. I recommend painting the roof black and applying masking tape to overlap the edge for a realistic appearance.

Congratulations! Your building is complete!

With your building now finished, you may opt to further enhance the structure using weathering techniques such as chalk or misting. Keep in mind that weather runs from top to bottom and will be concentrated in areas where water may gather and run off, such as around windows. Likewise, you may have weather “splash up” along the base. We will be posting tips on aging and weathering on our website in the near future.

If you have questions on construction or suggestions, please contact us by email at riverleafmodels@gmail.com

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