

TWX-2194 Church Assembly Instructions

Tools Required

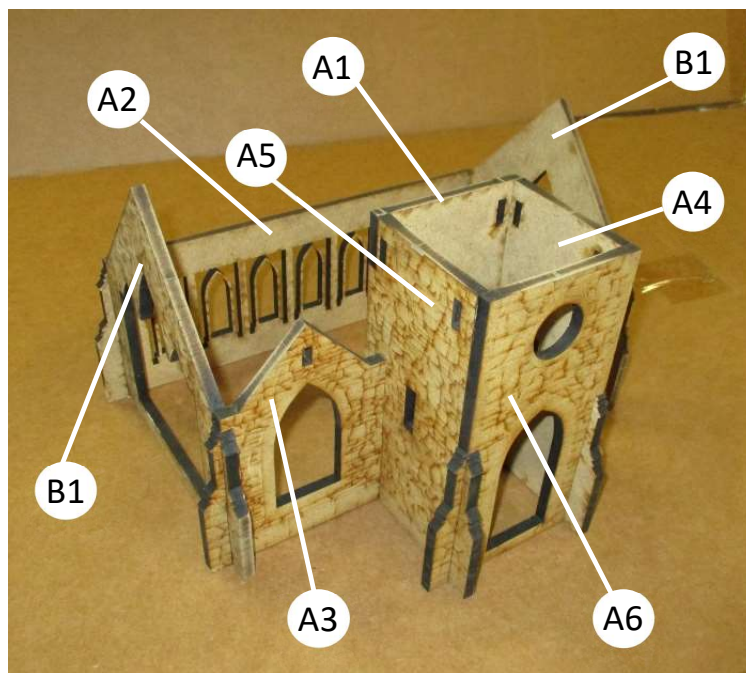
- Sharp X-Acto® Knife
- 220 Grit Sandpaper
- Tite-Bond II® Wood Glue
- Super Glue & Accelerator (Kicker)
- Masking tape

Removing parts

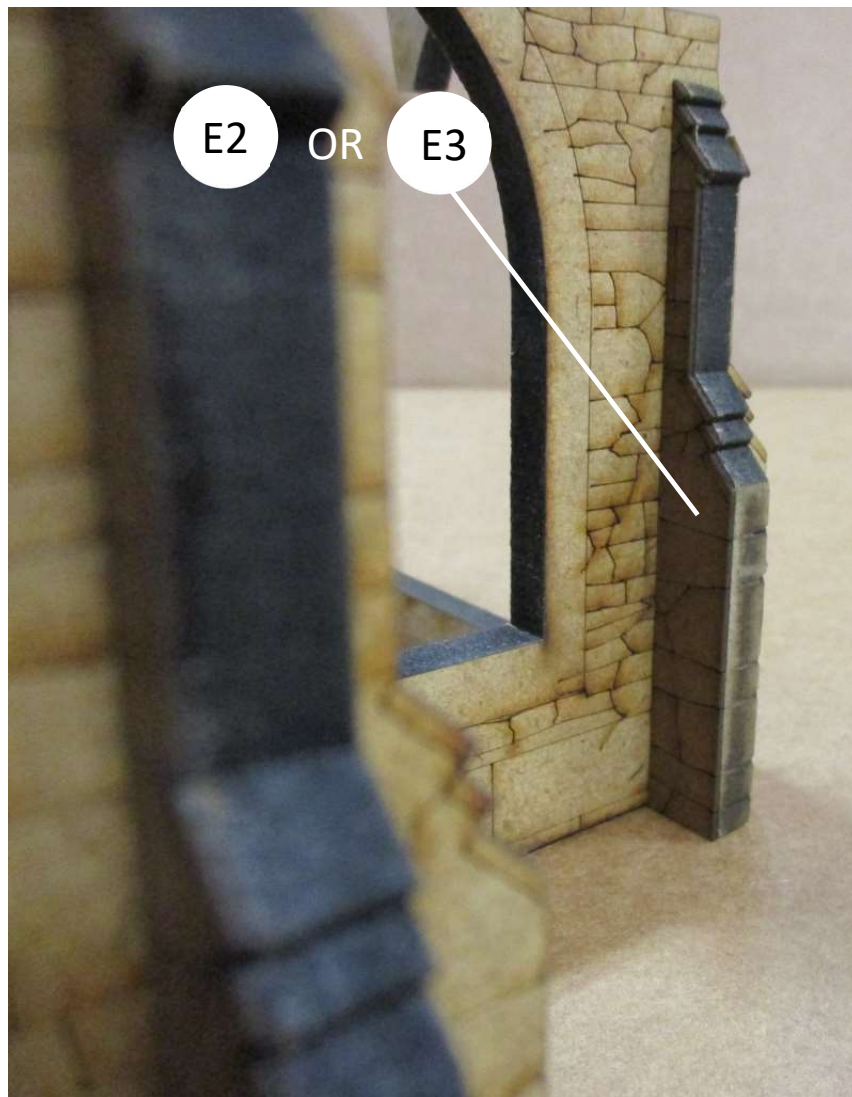
Parts are held into the frets with small sprues. Cut these sprues with the X-Acto knife to get them out of the fret. Use 220-grit sandpaper to sand the sprues off so the edges are smooth and even with the parts surface.

Assembly

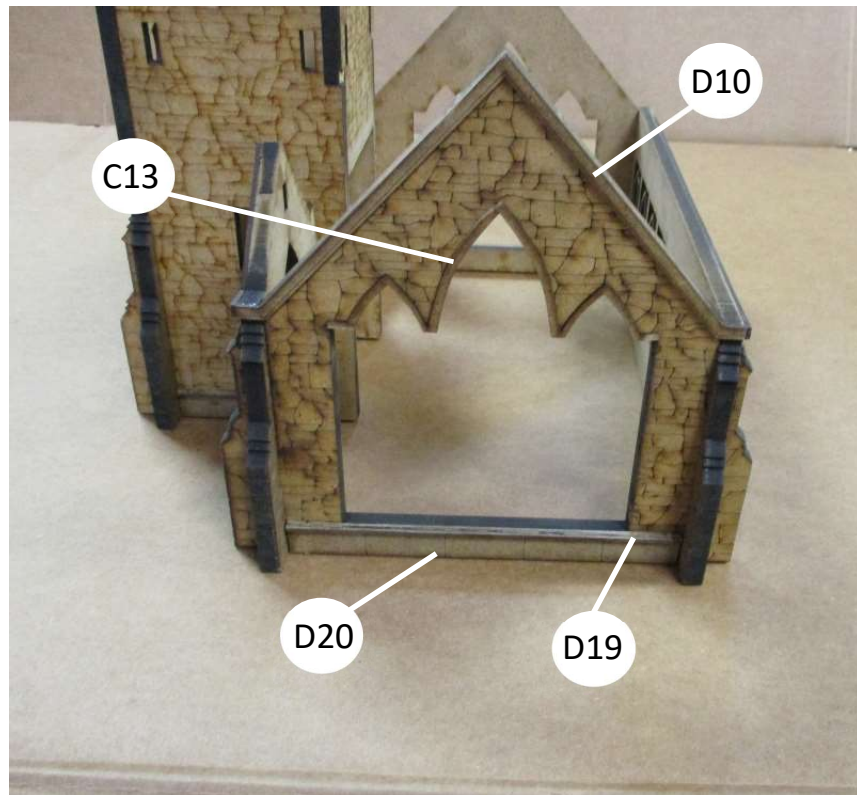
Step 1: Begin the assembly of the main building by removing the following parts from the quarter inch sheets; A1, A2, A3, A4, A5, A6 and both B1's. Use Tite-Bond II® wood glue to glue the quarter inch walls together. Make certain the bottom edges of the walls are even with one another and allow 20 minutes for the wood glue to firmly set.



Step 2: Remove 6 pieces of part E2 and E3. Using a couple small drops of super glue apply these laminates to the blank side of the quarter inch wall sections. These laminate pieces will add the engraved detail on the backside of the walls (where they protrude beyond the exterior walls).

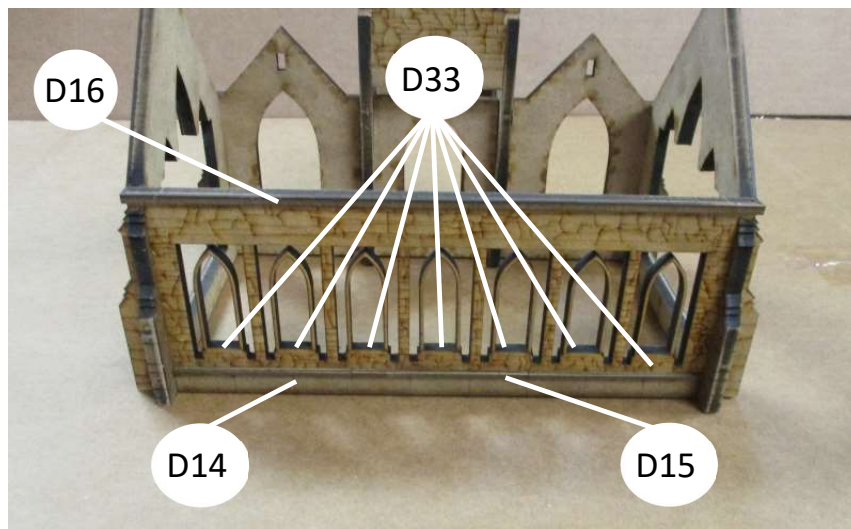


Step 3: Apply the appliques to both side walls (B1). Apply a couple drops of super glue to the backside of these parts, once in place, use the accelerator to quickly cure the super glue. Remove and clean up parts; D10 (2 pieces), D19 (2 pieces), D20 (2 pieces) and C13 (2 pieces).



Step 4: Repeat step 3 for the opposite end of the church building.

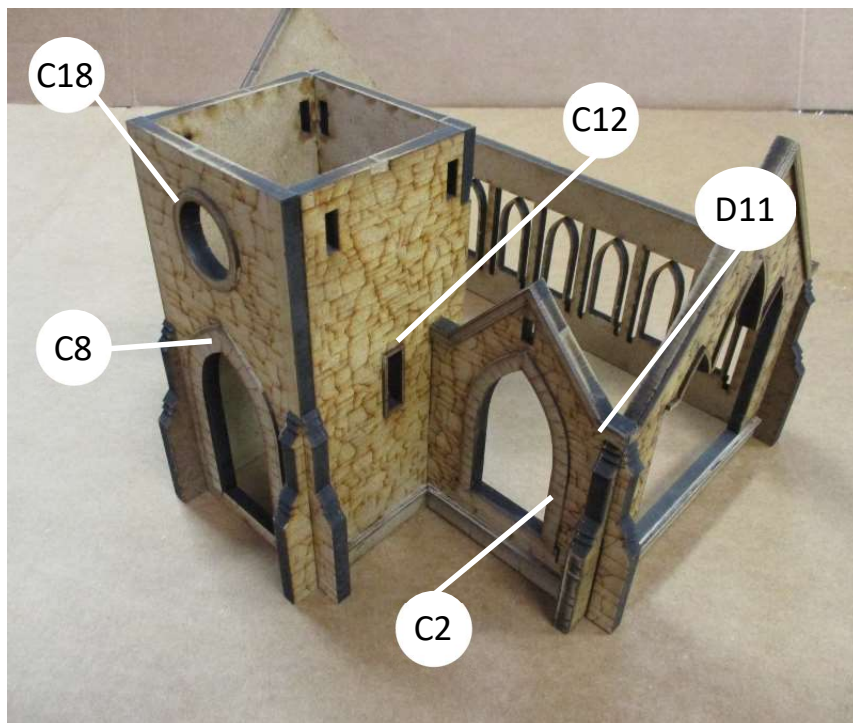
Step 5: Apply the applique to the rear wall of the building. Remove and clean up parts D14, D15, D16 and D33 (7 pieces). Use a couple small dabs of super glue to attach these parts and once in position spray with accelerator to cure the super glue instantly. Part D16 should protrude equal amounts on either side of the ends. Cut and sand part D16 so it is even with the trim on the ends.



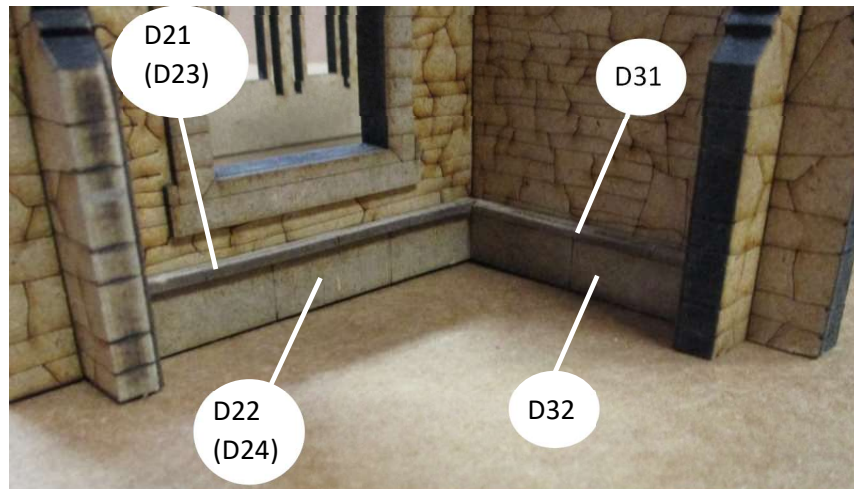
Note the position of the windowsills (D33) and the ledger (D15) on the base stone (D14) (on the following page).



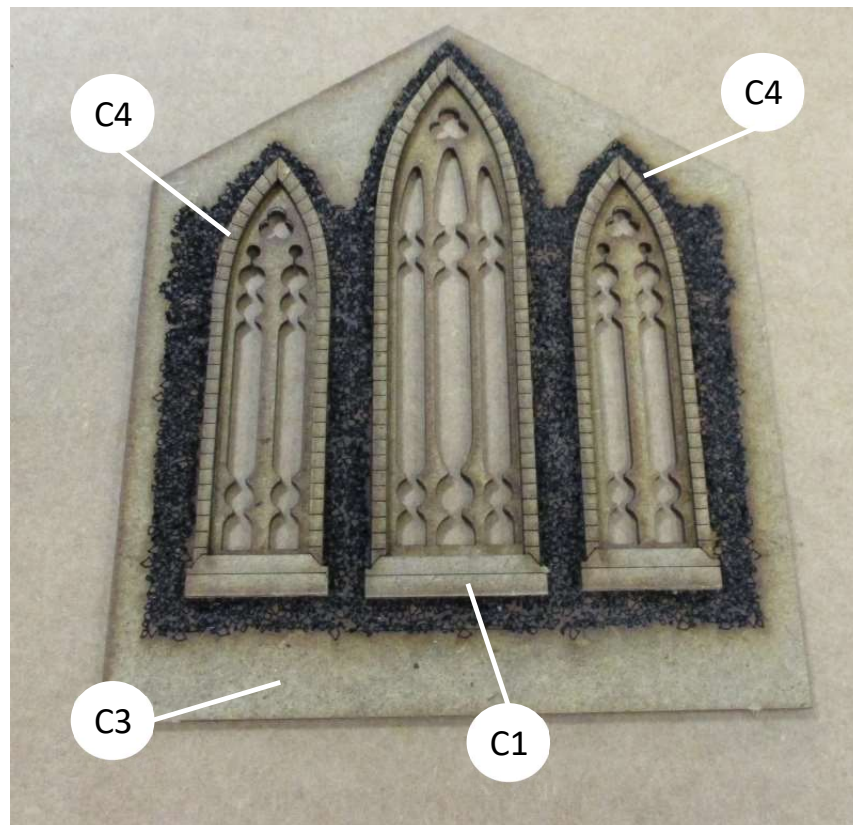
Step 6: Apply the window surrounds to the front of the building. C2 (2 pieces), C8, C12 (2 pieces), C18 and D11 (2 pieces) as shown below. Be sure to apply parts C12 and C2 on the opposite side of the bell tower! Use super glue and accelerator to mount these parts.



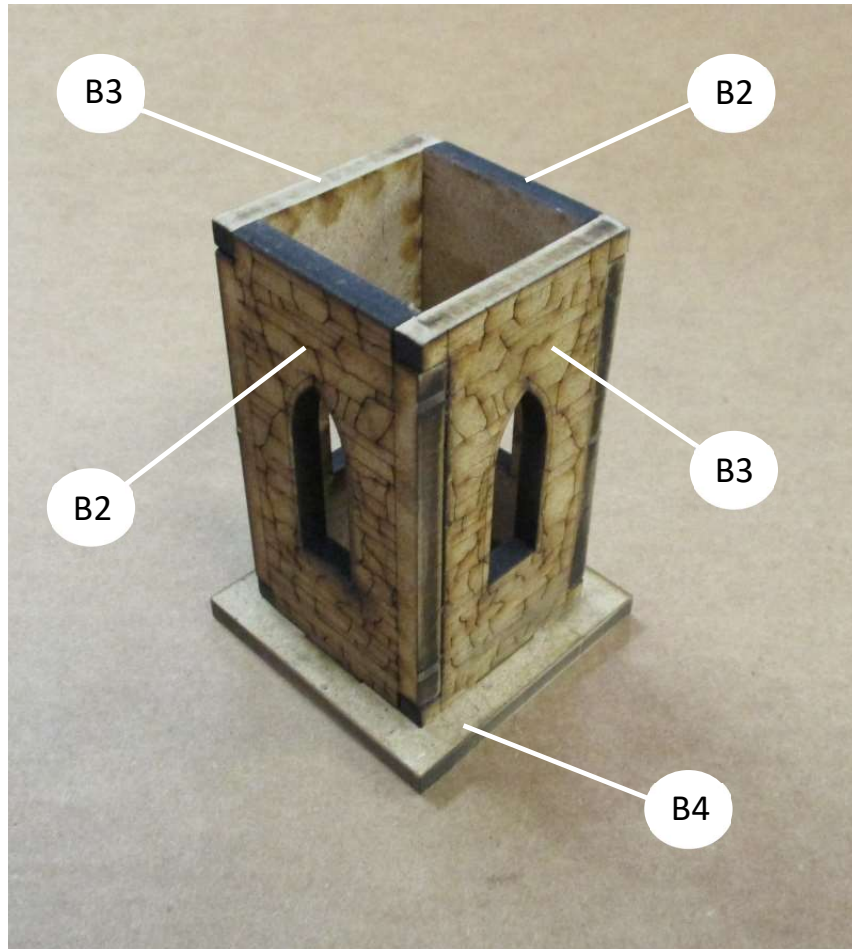
Step 7: Apply the applique to the front walls of the church using parts D21, D22, D23, D24 on the front face of the long front wall. Use parts D31 (2 pieces) and D32 (2 pieces) along side the bell tower walls. NOTE: the base stone pieces nestle into one another in the inside corners between the bell tower wall and the front wall (see reference photo below).



Step 8: Prepare the window inserts by adding the trim around the windows. This step will use parts C3 (2pieces), C1 (2pieces) and C4 (4 pieces). Remove the adhesive backing and apply a couple dabs of super glue to the adhesive tape and position as shown below. (There are etched guidelines for these window frames.) Repeat this step for both C3 pieces.



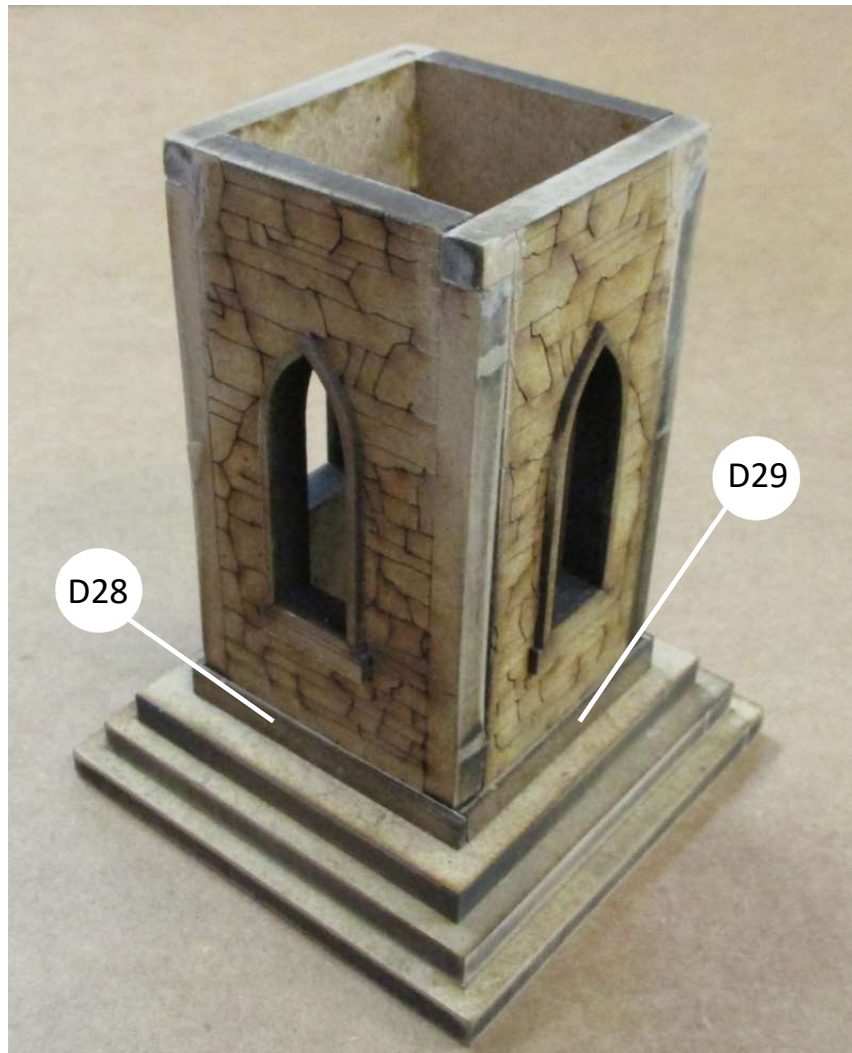
Step 9: Construct the bell tower using parts B2 (2 pieces), B3 (2 pieces) and B4. Use Tite-Bond II® wood glue to glue the four walls together (B2 and B3). Be sure the tabs on the bottom of the walls are all facing the same direction! glue the tabs into the base (part B4) while the glue is drying to ensure it stays square and flat against the base.



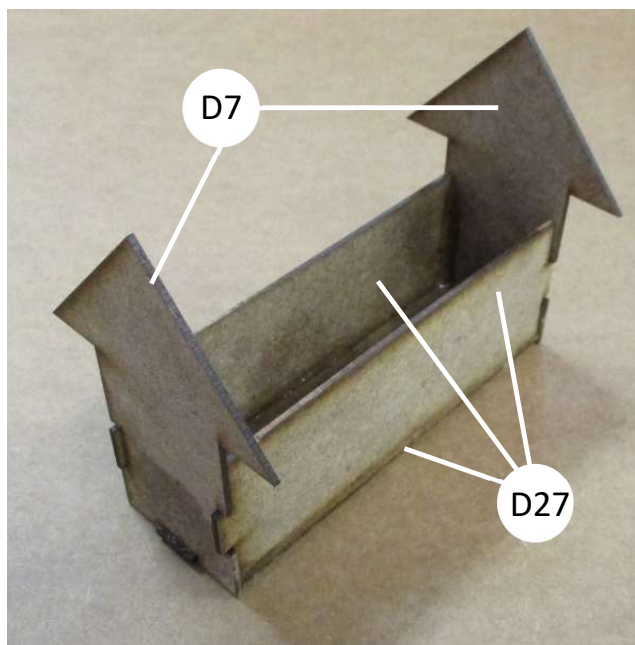
Step 10: Glue the tower to the other two tower bases B5 and B6. You can use super glue to speed up the gluing process. Make sure these bases stay square with one another (inside the etched alignment lines). Refer to the photo on the following page.



Step 11: Glue the trim around the base of the tower using parts D28 (2 pieces) and D29 (2 pieces). Use super glue and accelerator to glue these pieces on. NOTE: start with D29 on opposite sides, gluing it even with the edges of the wall. D28 will overlap D29 to prevent any sanding.

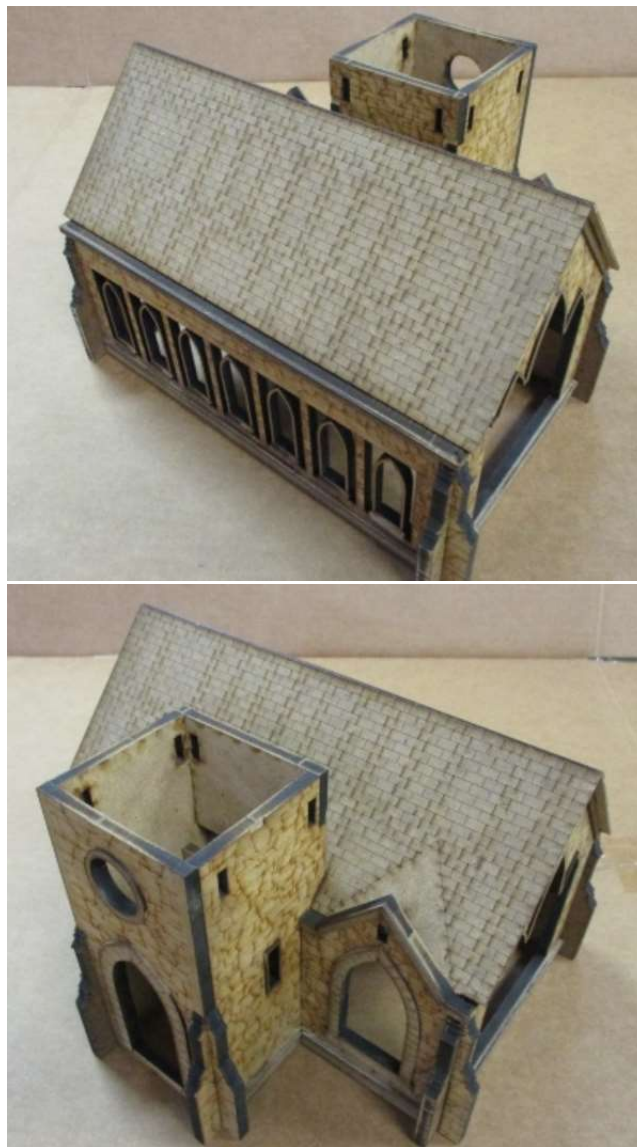


Step 12: Build the interior lighting stand using parts D7 (2 pieces) and D27 (3 pieces). Glue the stand together as shown below. This part will be installed later in the process.



Step 13: Remove the two large roof panels D1 and D8. D1 is glued to the backside of the building and D8 goes on the front of the building. Use super glue to attach these pieces. NOTE: The top edge of the roof does not need to be mitered (there is additional detail on the ridge added later). Just make certain the roof panel sits flatly on the angles of the walls.

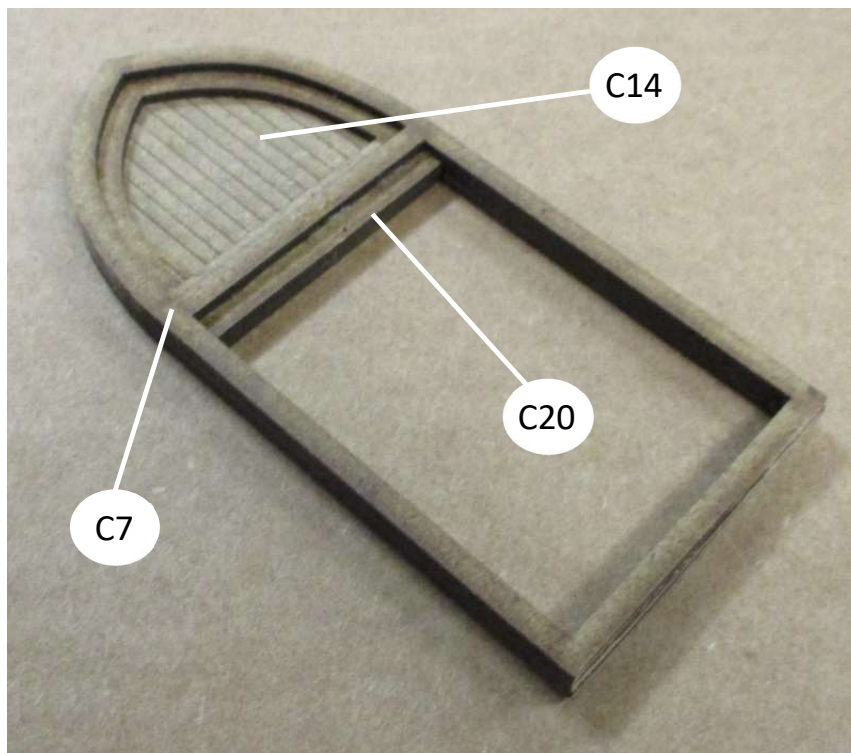
NOTE: ensure there is an equal amount of overhang on each end of the church walls.



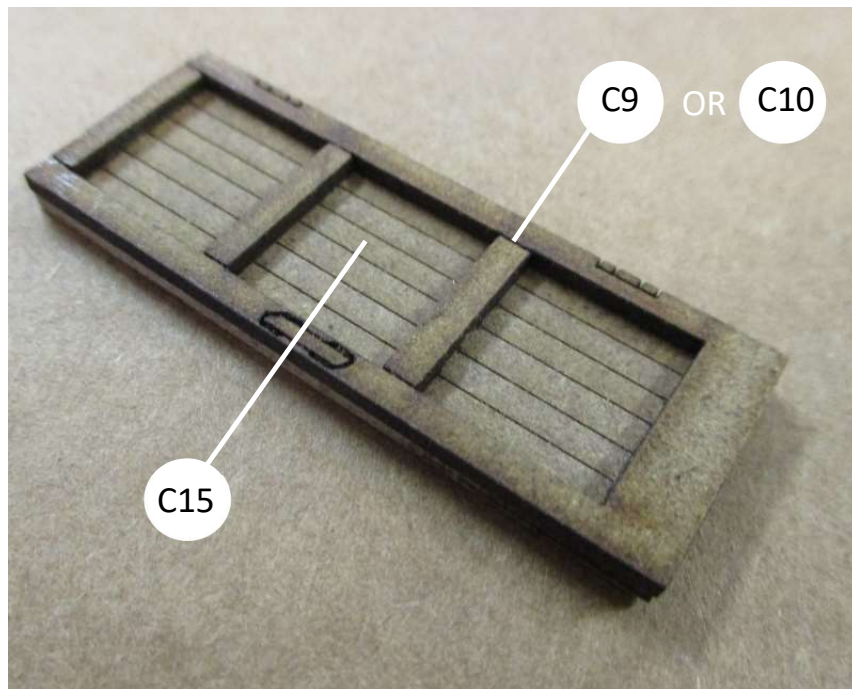
Step 14: Install the interior lighting bracket you assembled in step 12. Apply a piece of tape across the ridge of the roof to ensure it does not split apart during this step. Using super glue and accelerator position the bracket in the center of the under side of the roof and secure it in place with accelerator.



Step 15: Build the front door frame using parts C7, C14 and C20. Remove the protective paper from the backside of parts C7 and C20 and use a couple dabs of super glue to ensure they stay in place. Stack the front door frame parts as shown below. NOTE: This frame sits inside the opening on the bottom front of the bell tower, so it is important that the outside edges align properly.



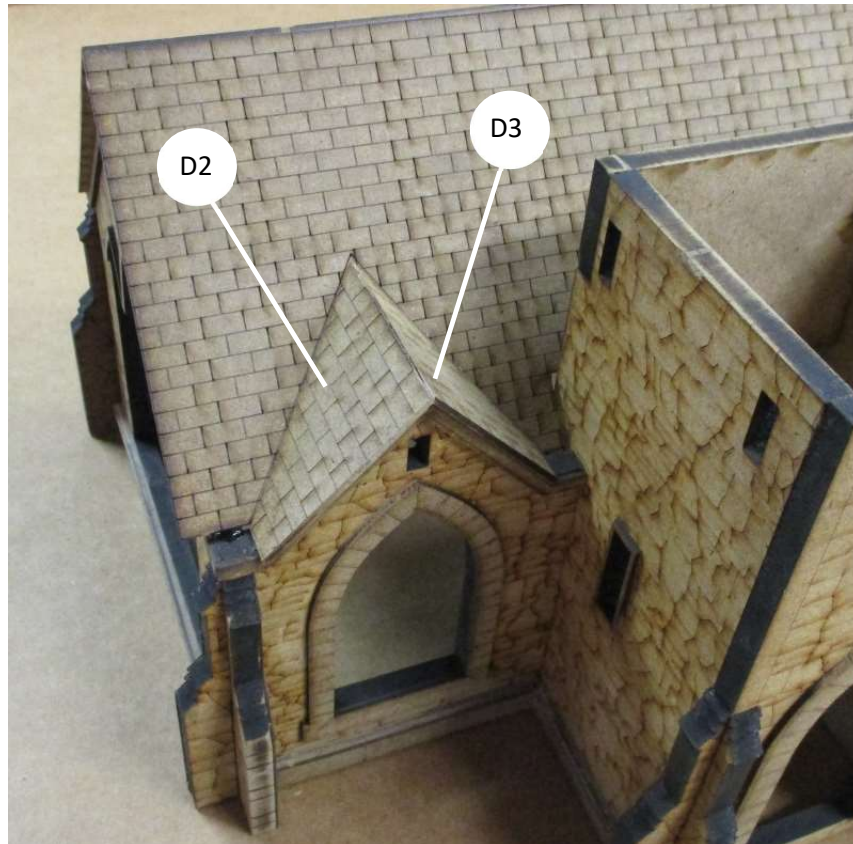
Step 16: Assemble the front doors using parts C9, C10 and C15 (2 pieces). Remove the adhesive backing from the door detail and apply them to the door as shown on the following page.



Step 17: There are two separate doors, in the event you choose to position them open. For the manual we chose to keep them closed. In either event the doors need to be glued into position inside the door frame, as shown below.

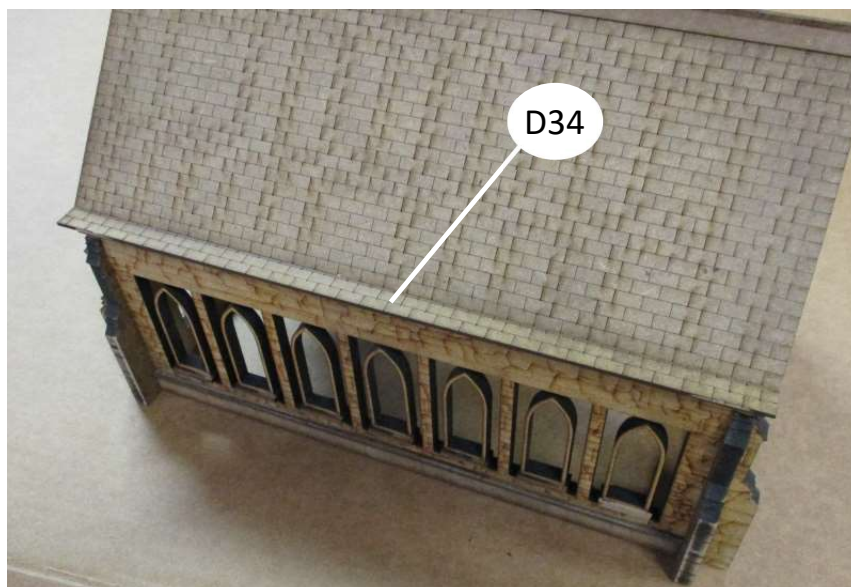


Step 18: Add the dormer rooves using parts D2, D3, D4 and D5. It is recommended that you sand a slight bevel to both the edges that mate with the main roof (so there is not a large space between these roof sections) and the peak of the dormer. Use the 220-grit sandpaper to sand a 45-degree bevel on the sides that intersect the main roof and the ridge of the dormer. We recommend using super glue on these joints with accelerator.

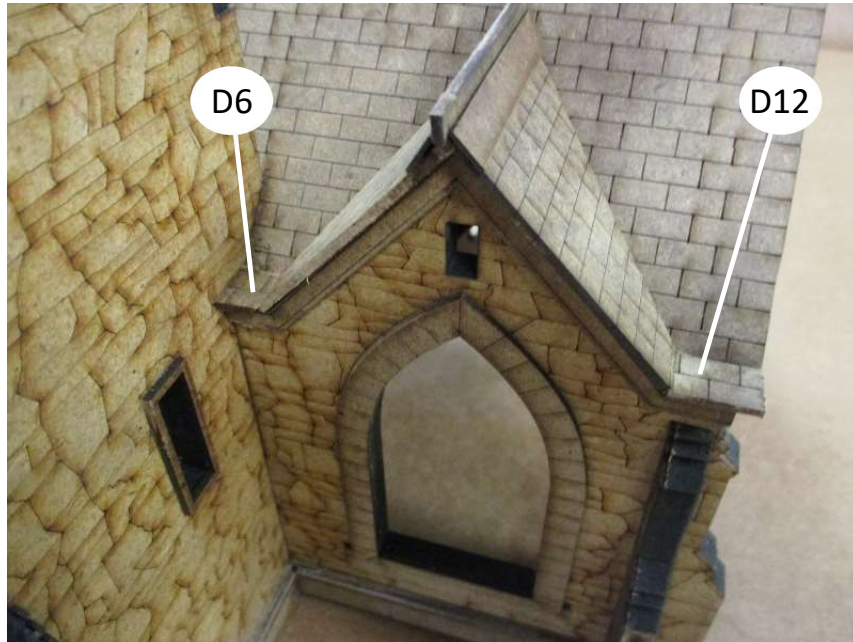


Repeat this for the other dormer using parts D4 and D5.

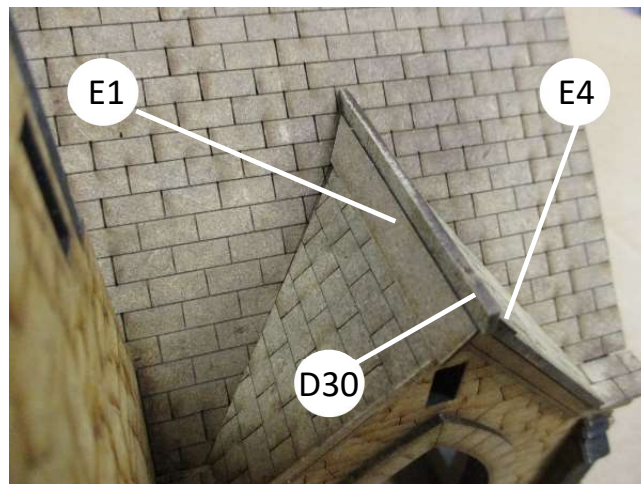
Step 19: Remove part D34. Use super glue and accelerator to glue this roof section to the top of the rear wall as shown in the photo below.



Step 20: Install the small roof ledges to the front wall on either side of the front dormers. Remove parts D6, D9, D12 and D13. You will need to use the 220-grit sandpaper to sand a slight bevel on the edge that intersects the dormer roof. Refer to the photo below. D7 and D9 go against the bell tower and parts D12 and D13 mount to the outside of the dormers.

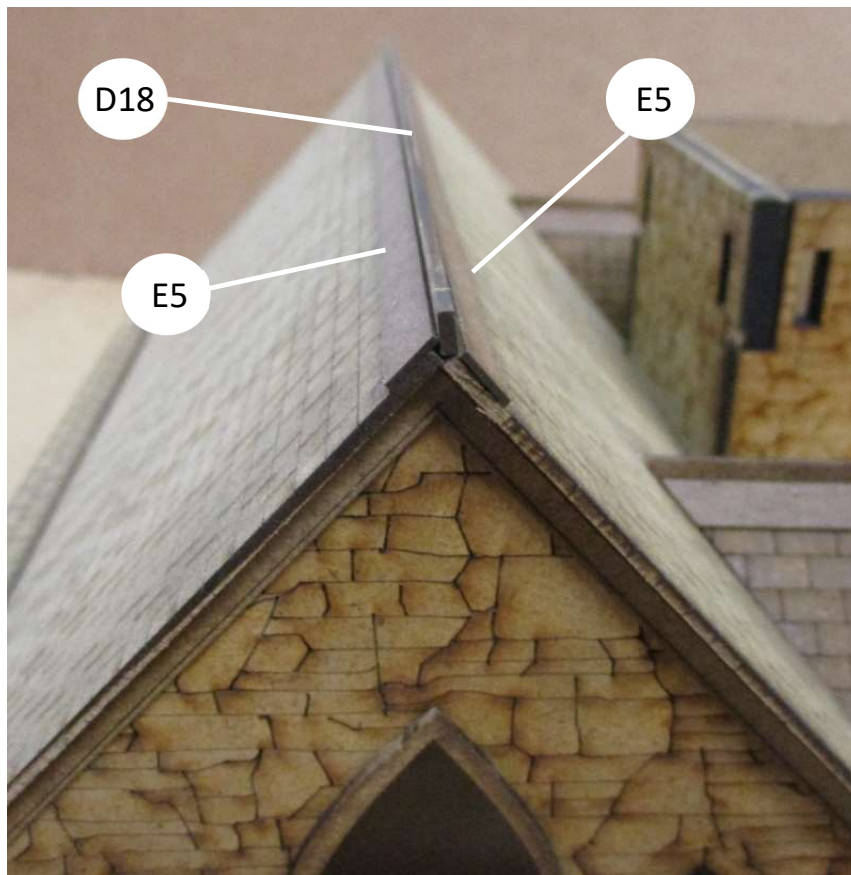


Step 21: Remove parts D30 (2 pieces), E1 (2 pieces) and E4 (2 pieces). These parts make up the ridge detail on the dormers. D30 mounts to the top of the dormer ridge (on its narrow edge) and parts E1 and E4 lay against the roof, butting up against part D30. Refer to the photo below. Use super glue and accelerator to mount these parts.

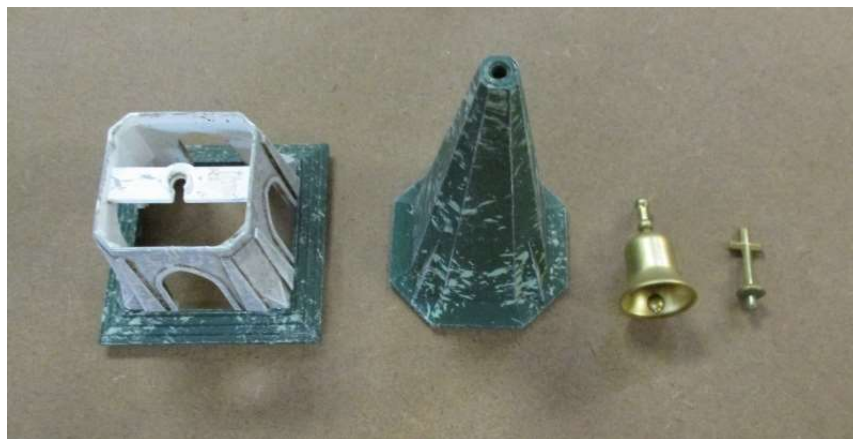


Step 22: Repeat step 21 for the opposite dormer ridge.

Step 23: Remove parts E5 (2 pieces) and D18. These parts comprise the ridge cap on the long roof. Glue part D18 to the peak of the roof on edge and glue E5 on either side (exactly like the dormer rooves).



Locate the injection molded bell tower components from the box (this includes the Belfry, Steeple, Bell and Cross).



Step 24: Mount the bell in the belfry (preferably after painting the bell and belfry!)



Step 25: Mount the steeple on top of the belfry as well as placing the cross on the top steeple. Use super glue to hold these pieces in position.



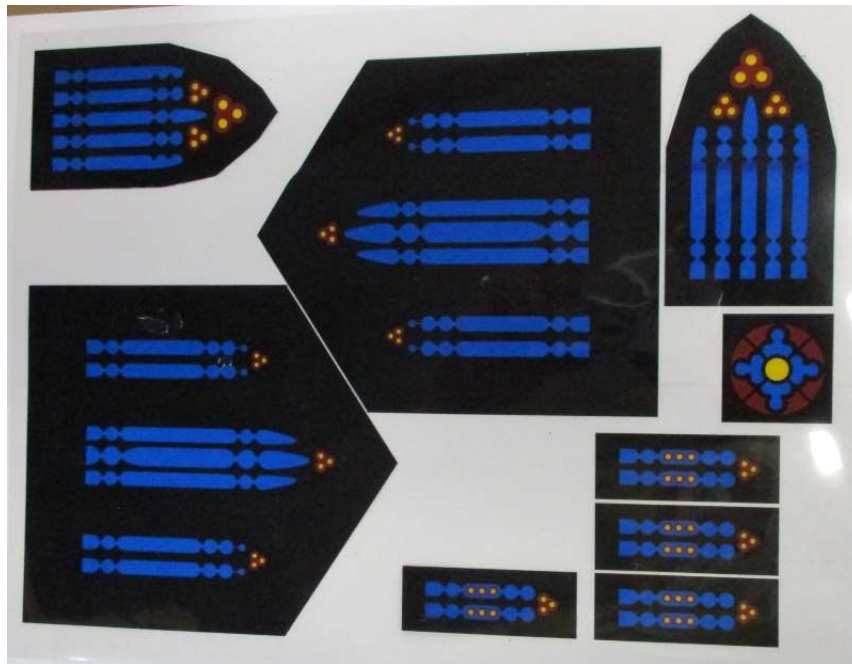
Step 26: Place the belfry/steeple on top of the tower from the main structure (you may be required to lightly sand the MDF mounting surface between the church tower and the belfry). Do not glue the belfry to the tower just yet, otherwise you will not be able to access the tower to install the frosted glass!



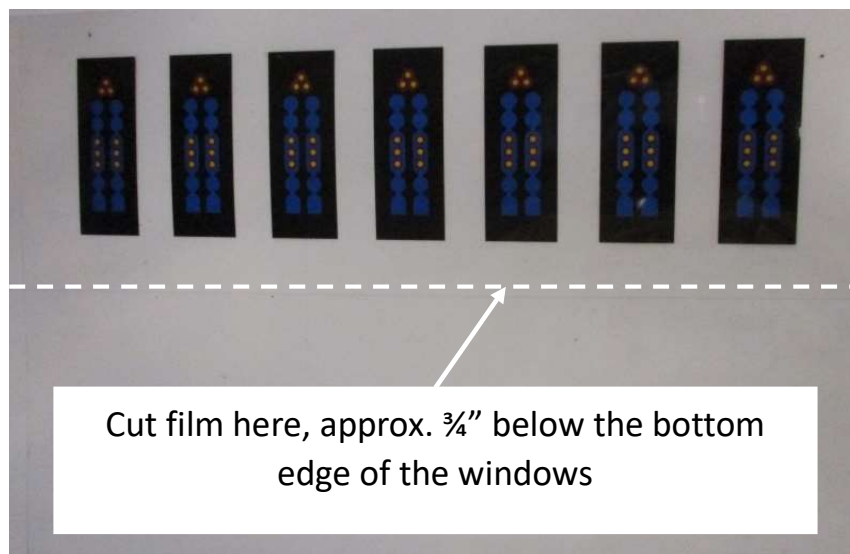
STOP: Important note regarding windows

The windows of the church will need painted, it will be far easier to paint these windows while they are not mounted inside the building. Additionally, it will be far easier to mount the stained-glass window film while the windows are free (as opposed to mounted inside the structure). The steps below cover how to install the window film on the back of the windows (the painted windows). Then we walk through installing the windows in the church.

Step 27: Locate the envelop that contains the stained-glass window film. You will need to cut the windows out of the film using a pair of scissors or an X-Acto knife (with a new sharp blade!). The sheet below shows the windows used for the sides, front and bell tower of the church. Cut the window film along the edge of the black areas.

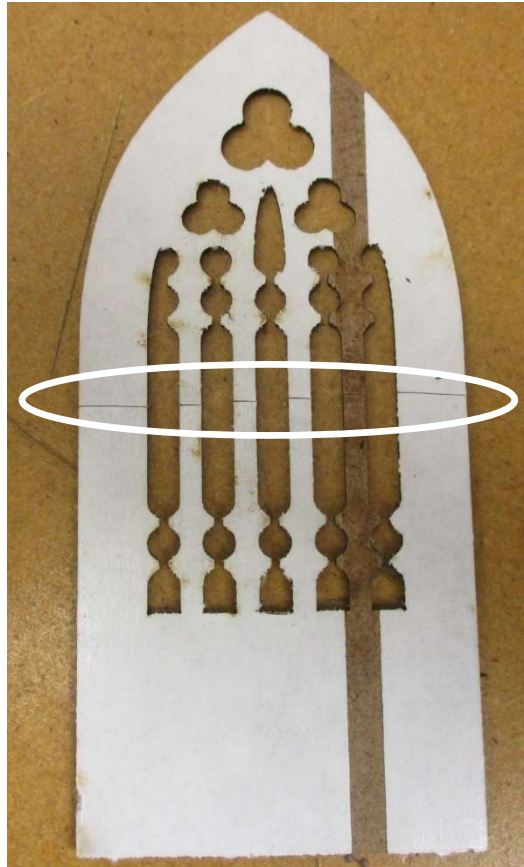


For the rear wall windows keep all the windows on one sheet and just cut the bottom of the clear film away. Use a straight edge to cut a straight line approximately $\frac{3}{4}$ " below the bottom black border of all seven windows.



Step 28: Mounting the stained-glass window film

The reverse side of each window is covered with double-sided adhesive tape. This tape has a protective layer of paper attached to it. Carefully cut a straight line horizontally across the back of the window (you are only cutting the protective paper) position this cut as close to the center of the window as possible (see photo below).



(The purpose of this cut is to allow you to remove one half of the adhesive protective paper to attach the window film to the window in the exact position you want it, as the self-adhesive tape is not forgiving if you make a mistake!)

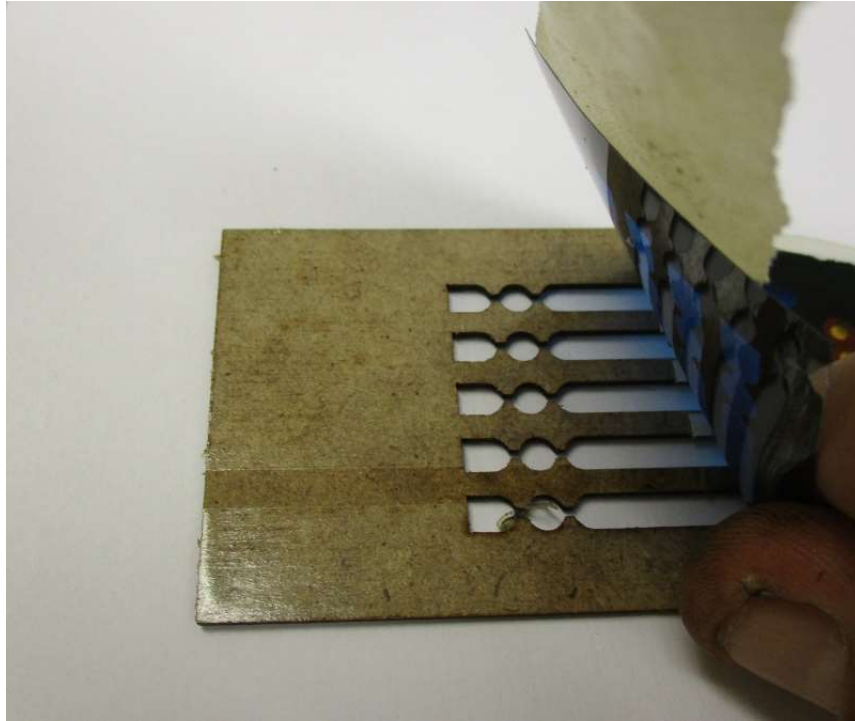
Next, use the appropriate stained-glass window film (it will be obvious where each one goes) and apply a small piece of masking tape along the non-glossy backside of the window film. Carefully flip the window over and align the film with the window opening. Once it is exactly where you want it press the masking tape onto the back of the window to hold it in place temporarily.



Once the window is taped into position with the masking tape lift the non-taped side up and remove the protective film. Lay the window film down and press it firmly against the adhesive.



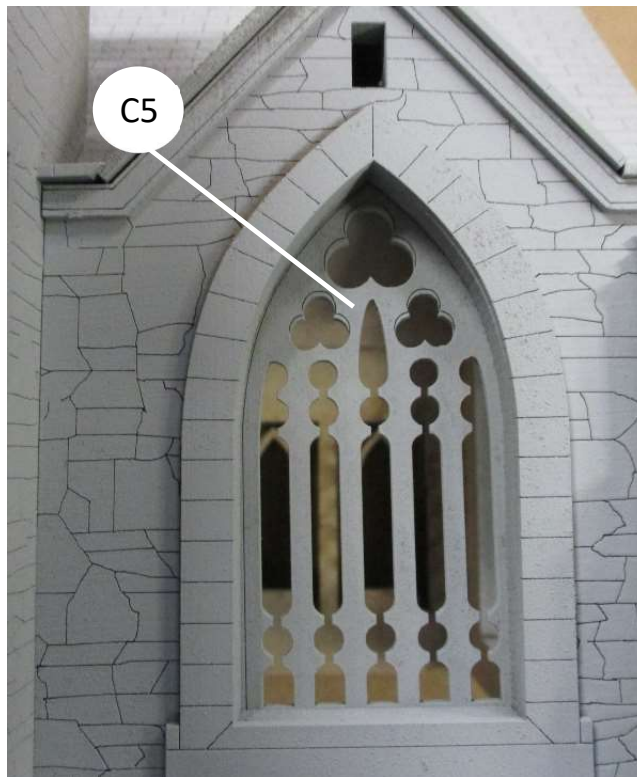
Next remove the masking tape and lift that side up, remove the protective tape covering and press the film down into the adhesive. This approach will ensure you get the glass aligned with the window openings properly. (see photo on following page).



Repeat these steps for the following windows: C3 (2 pieces, that you glued the window frames on in step 8), parts C5 (2 pieces), C6, C16 (4 pieces) and C19.

Assuming the windows have been painted, and the stained glass is installed you can now mount the windows inside the church, beginning on the next page.

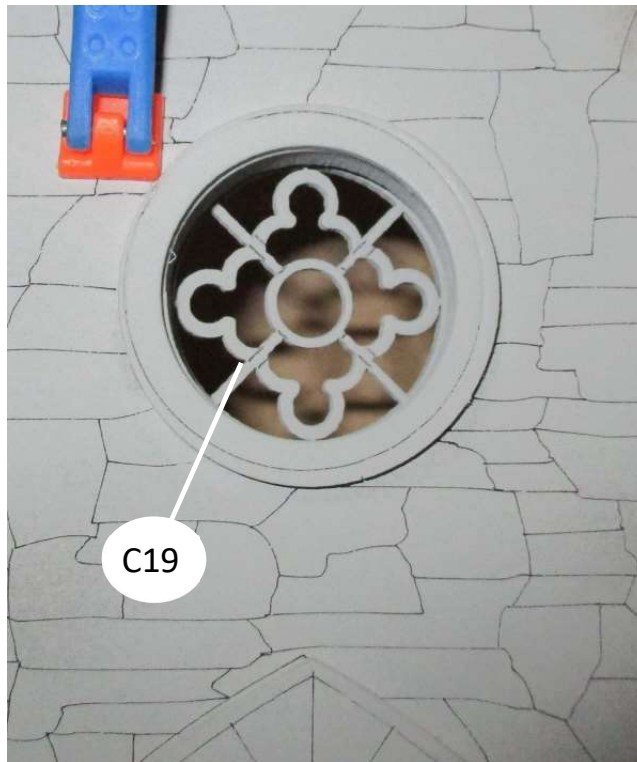
Step 29: Install the windows in the church using parts C5 (2 pieces), C3 (2 pieces, that you glued the window frames on in step 8) and part C6. These windows glue to the inside of the walls of the church. Use wood glue and masking tape or clamps to hold the windows in place until the glue sets up.



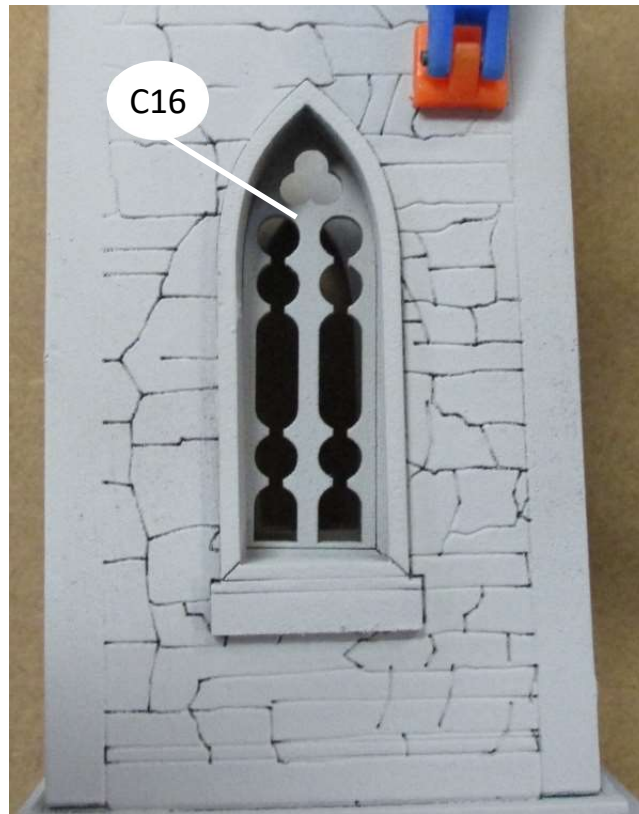
Be sure the tops of the windows align with the top trim detail molding!



Step 30: Glue the remaining windows in the bell tower. These include parts C16 (4 pieces), C17 (2 pieces) and C19. Use super glue and accelerator to mount these windows.



Install C17 on both sides of the bell tower.

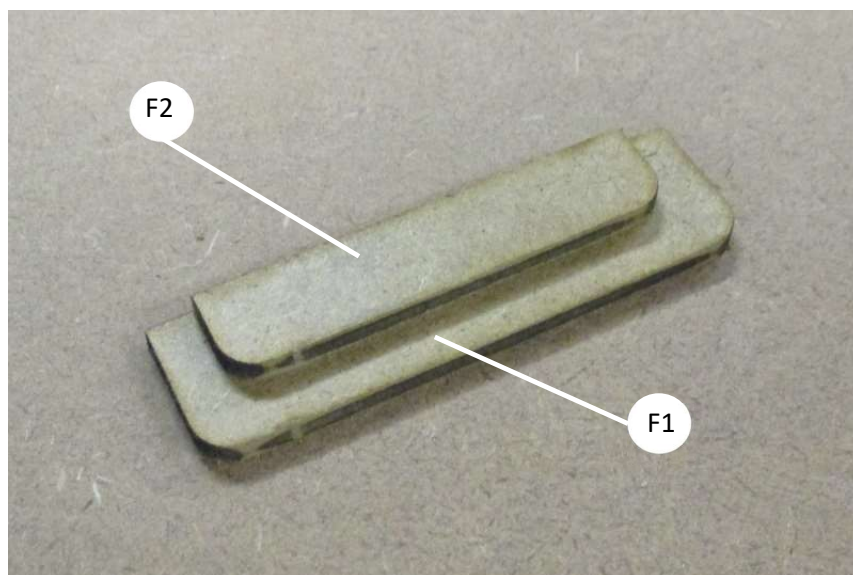


Install all 4 pieces of C16 in each window on the bell tower.

Step 31: Locate the front door of the church (assembled in step 17). Using super glue and accelerator center the door on the back of the front tower wall, making the base of the door level with the entry step. Glue the door in place and use accelerator to cure the super glue. Refer to the photo on the following page.



Step 32: Assemble the entry steps using parts F1 and F2. Glue F2 on top of F1 as shown below.



Here are some photos of our Church for reference;







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