



TWX-2132 Public Works Building Assembly Instructions

Tools required to assemble this kit:

Sharp hobby knife

Masking tape

Medium Viscosity Super Glue

220 Grit sandpaper

Tite Bond II wood glue (or similar)

Cyanoacrylate Accelerator (kicker)

Removing parts from the fret; Each part is held into the fret with very small sprues. Use a hobby knife to cut these sprues to prevent breaking parts when removing them from the fret. Carefully sand the sprues off each part using 220 grit sandpaper. Because these wall panels are so large it is recommended that you use masking tape to hold the assemblies together while the wood glue dries (typically about -8 minutes).

This kit is a series of laminations to build the walls up in thickness. The main building is comprised of 3 built up layers, the roof is comprised of 2 built up layers.

- 1.) Remove parts A1, A6, B2, B12 from the A and B sheets as well as C4 from the C sheet. Using wood glue, apply a small bead to the edge of the short walls (A6 and B12) and a small bead to the perimeter edge of the roof (C4). Insert the tabs on the roof into the slots on the interior walls. **NOTE: the engraved lines around the windows MUST face outward!** Glue the 4 walls together, along with the roof and ensure the assembly is square. Photo 1. These four walls will create the interior base wall of the main structure, so it is imperative that it is square (the roof will help with this!) Use masking tape to hold the wall corners together while the wood glue dries.

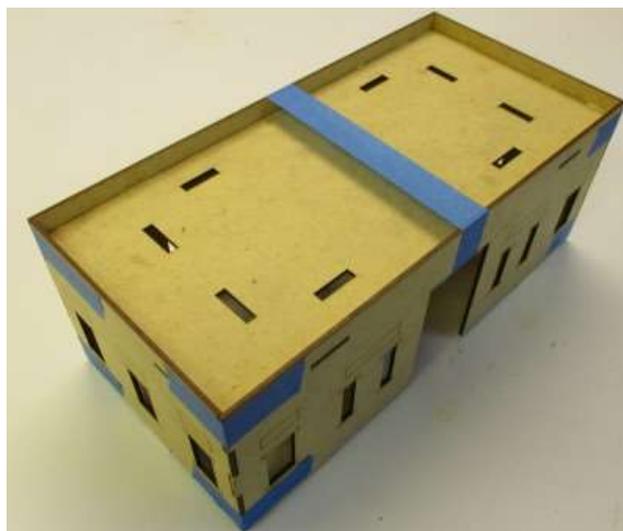


Photo 1

- 2.) Remove parts A3, A7, B3 and B7 from the A and B sheets. Using wood glue, apply a thin film of wood glue to the back side of all four walls (A3, A7, B3 and B7). Attach wall A3 to the front of A1 (align the small round holes, ensure the tabs on the underside of the walls line up accurately). Use small squeeze clamps to hold the laminate wall in place until the glue sets. (photos 2 and 3)

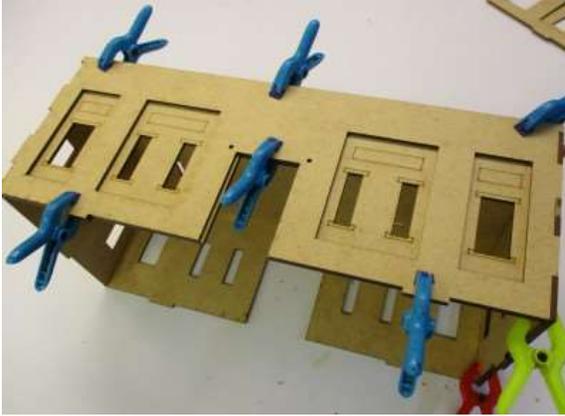


Photo 2

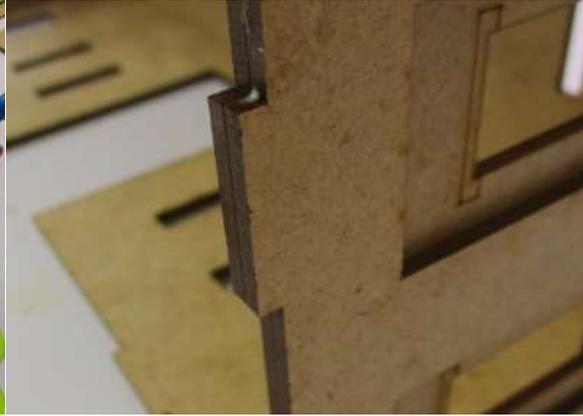


Photo 3

- 3.) Once all four laminate walls have been glued to the inner base wall proceed to step 4.
- 4.) Remove parts A5, A6, B5 and B8 from the A and B sheets. Using wood glue, apply a thin film of wood glue to the back side of all four walls (A5, A6, 5 and B8). Attach wall A5 to the front of wall A3, ensuring the engraved lines in the bottom corners face outward. Also ensure the bottom tabs line up accurately (photo 4).



Photo 4

- 5.) Now the 3 laminate walls have been assembled. Using the 220 grit sandpaper make sure the top, bottom and outside corners are all flush with one another. Use some gap filler if necessary to fill any gaps in the outside corners. Once the filler dries sand smooth with the 220 grit sandpaper (photo 5).



Photo 5

- 6.) Remove the foundation part C1 from the C sheet. Place the main structure on the foundation, lining the bottom tables of the building up with the slots in the foundation (photo 6). Do not glue the main structure to the foundation at this point, you will want it to be separate for painting later on.



Photo 6

- 7.) Remove pieces D5 and D6 from the D sheet. These are the build up sections for the front entryway. Apply a thin film of wood glue to the back of D5 and place it on the front wall (be careful to align the holes in the walls for the sconces. Ensure the bottom of the wall is even with the foundation (photo 7). Once D5 has dried apply a thin film of wood glue to the back of D6 and mount it on top of D5, again being careful to align the holes for the sconces (photo 8).

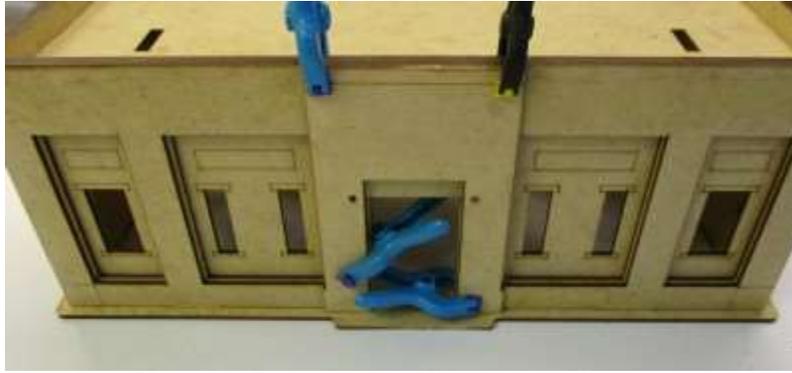


Photo 7



Photo 8

- 8.) Choose which insert you would like to use from parts D6a, D6b or D6c. Remove the insert and place it in the hole in D6 with a small amount of wood glue (photo 8 above).
- 9.) Remove all parts A2, A4, B4 and B6 from the A and B sheets. These sills mount underneath each window and must be glued in place with wood glue. Position the sills inside the engraved line underneath each window (photo 9).



Photo 9

10.) Remove all parts E1 and E2 from the E sheet. These pieces have a self adhesive back that allows you to mount them without wood glue. Remove the white protective film and carefully position pieces E1 inside the outline above the narrow windows. Position E2 above the wide windows (photo 10).



Photo 10

11.) Remove all parts E3 and E5 from the E sheet. Remove the white protective film from the backside and carefully position these pieces on the outline on top of each window (photo 11).



Photo 11

You should have the sills positioned under all windows and the corbels placed on the top of the windows. The rectangular lintels should also be in position on the main structure.

Set the main structure aside for now, while you assemble the upper structure.

- 12.) Remove parts C5, C6 and C7 from the C sheet. These components make up the upper structure that sits on top of the roof of the main structure. Apply a small bead of glue along the narrow edge of both C5's and C6's, where they join with each other and the roof (photo 12). Use masking tape to keep the corners tight while the wood glue dries.

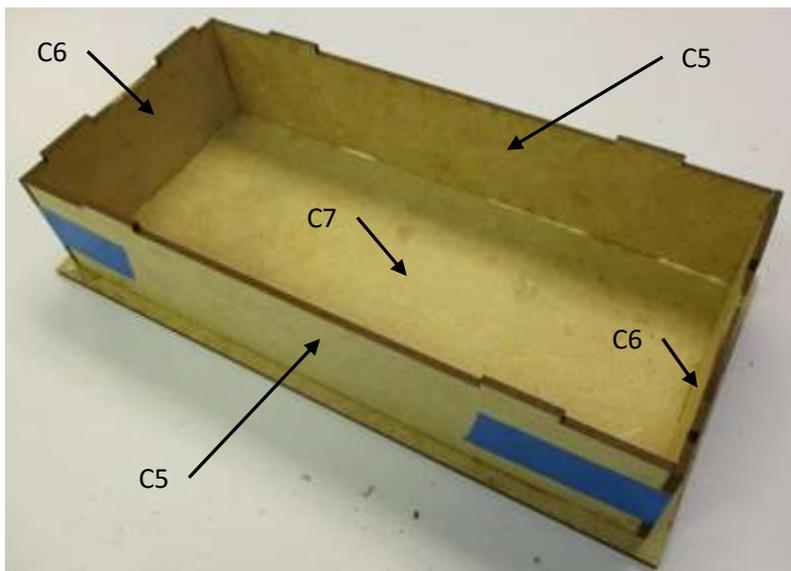


Photo 12

- 13.) Remove parts C2 and C8 from the C Sheet. These are the laminating layers for the upper structure walls assembled in step 12. Apply a thin film of wood glue to the backside of these

parts and attach them to the outside of the walls C5 and C6 (photo 13). Be sure to line up the tabs on C2 and C8 with the tabs on C5 and C6 accordingly.

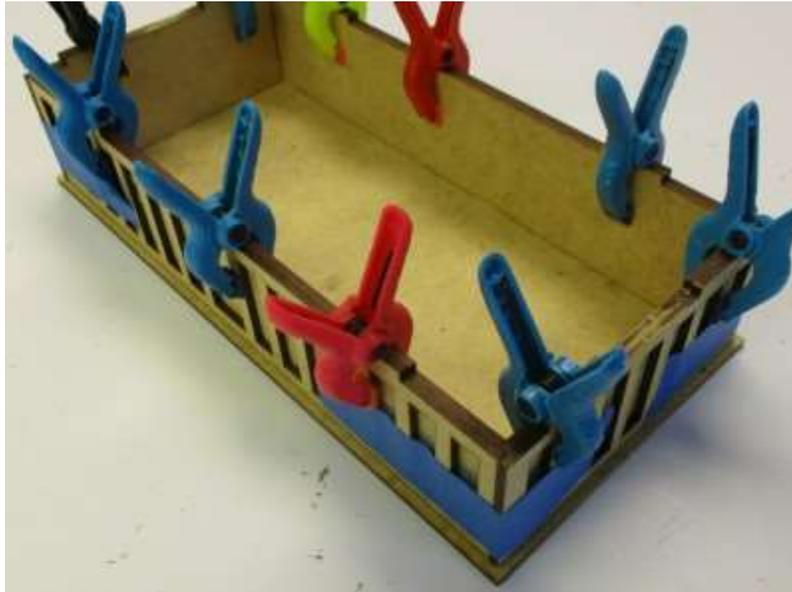


Photo 13

14.) Once the laminate walls are dry check the outside corners and ensure the joints are tight. Anywhere there is a space between the short and long wall joints be sure to fill these gaps with filler putty. Once the putty dries sand the joint smooth (photo 14).



Photo 14

15.) Remove part D3 from the D sheet. This is the very top roof which should be glued to the top of the upper structure. Apply a thin film of wood glue to top of the upper structure roof Carefully position the top roof (D3) so the top structure is centered on the roof, leaving an equal amount of space around the entire perimeter of the roof overhang (photo 15).



Photo 15

16.) The top structure sits on the roof of the main structure. The tabs on the upper structure will insert into the slots in the main structure roof. We recommend not gluing this now, to make it more convenient to paint and weather when assembly is completed (photo 16).



Photo 16

17.) Remove part D1 from the D sheet. This is the cap plate for the top of the main structure walls (which hide the laminate layers). Apply wood glue around the perimeter of the top walls on the main structure. Carefully place D1 on the top of the main structure walls. Be sure the bump out is oriented over top of the front entryway (photo 17).



Photo 17

18.) Remove both A8's, A9's and A12 from the A sheet. Remove part B1 from the B sheet. These are the corbels that circle the perimeter of the main structure at the top of the walls, underneath part D1. When mounting these corbels make certain the top of the corbel is tight against the underside of D1 (to prevent the need for filling any gaps). Photo 18.

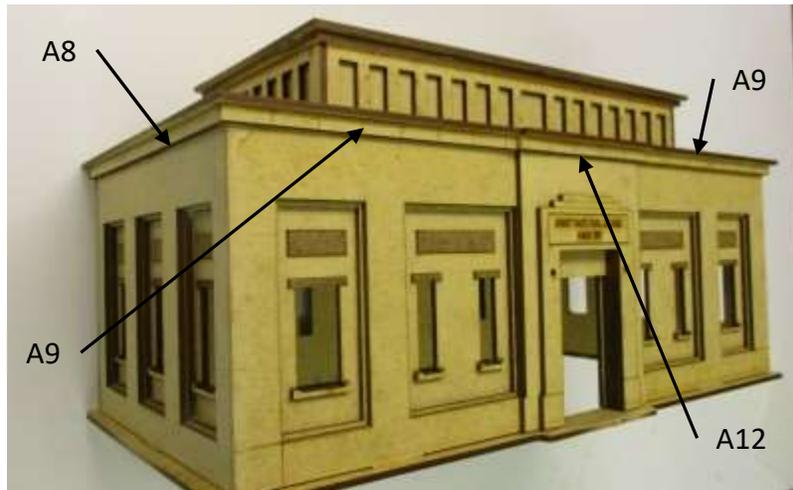


Photo 18

Part B1 mounts across the top of the rear wall in the above photo

19.) Remove parts A10 and A11 from the A sheet (note; part A10 has two different sizes, two are a square and two are rectangles; only use the squares). These pieces are the cornerstones at the four corners of the building. Apply a thin film of wood glue on the back side of each part and mount them as shown in photo 19.



Photo 19

20.) Remove part D2 from the D sheet. This is the entryway step, fit this piece into the bottom of the entryway and glue it to the foundation. (Photo 20).



Photo 20

At this point in the assembly process the building is ready to be painted. The following steps involve installing the frosted window panes and the doors and windows. You do not want to paint the structure when the frosted windows are installed. Once the structure is painted and weathered continue with the assembly instructions.

Now is the time to paint the doors and windows for the structure as well, so they are ready when you reach this step below.

21.) Remove the frosted window film from the frets they are mounted to. These window films all have self adhesive tape that makes installing them very simple. Carefully remove the white protective film on the front of the window film and place them on the interior wall of the main structure as shown in photo 21.



Photo 21

22.) Locate the rectangular dark brown piece in the baggie. This is the backing for the rear roll up door on the structure. Apply a small bead of wood glue around 3 sides of the blank and install it in the position shown below This will hold the rear roll up door in place (photo 22).

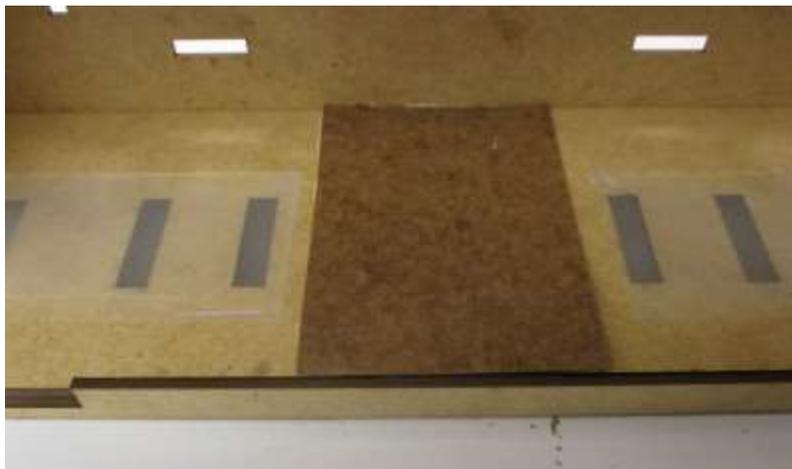


Photo 22

23.) Install the windows by removing the white protective film on the backside and carefully positioning them inside their respective openings, the self-adhesive tape will hold the window in place against the frosted window film (photo 23)



Photo 23

24.) Install the front entryway door by removing the white protective film on the self adhesive tape. Place part E6 on the frosted film first, then apply part E2 on top of E6. (Photo 24a and 24b)



Photo 24a

Photo 24b

25.) Place the large roll up door (part E9) in its respective opening in the back of the building. Remove the white protective film and adhere it to the blank you installed in step 22 (photo 25).



Photo 25

26.) Finally, install the sconces on the front of the structure using medium viscosity super glue and accelerator. The holes in the wall penetrate all the way through the walls, should you wish to install fixtures that are illuminated.



Photo 26

Below of some photos of our completed structure;





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