



# CASTLE WINTERHAWK



Before proceeding with this document, make sure you have read the beginners guide to card modeling included with this model set!

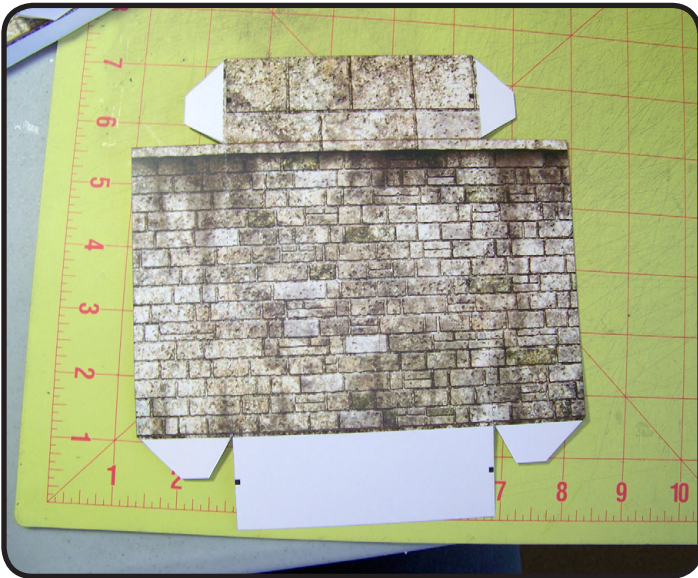


# FAT DRAGON GAMES

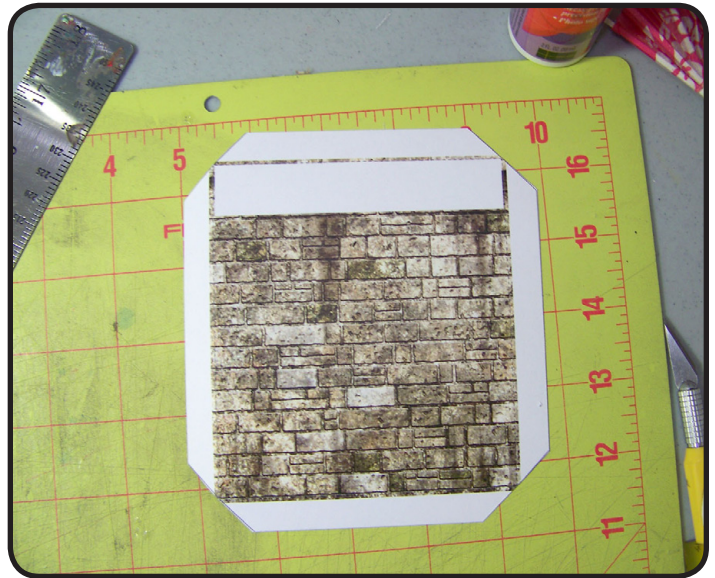




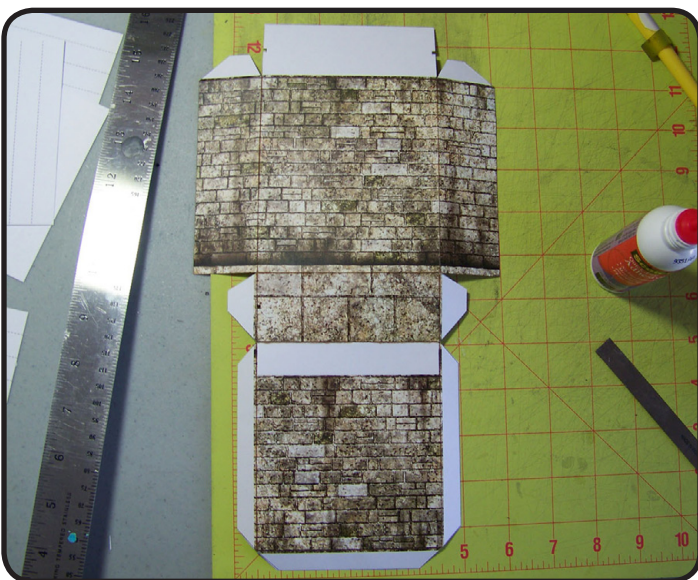
## Outer Walls



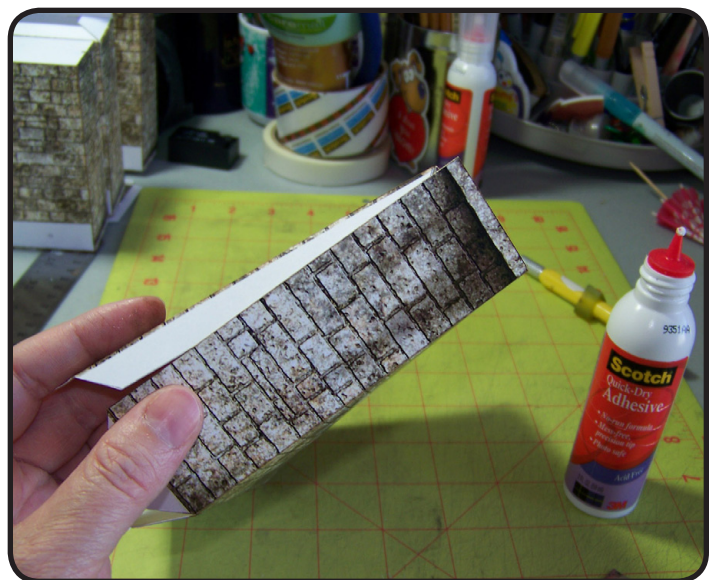
1: Cut and score the rear wall section as shown.



2: Cut and score the front wall section.

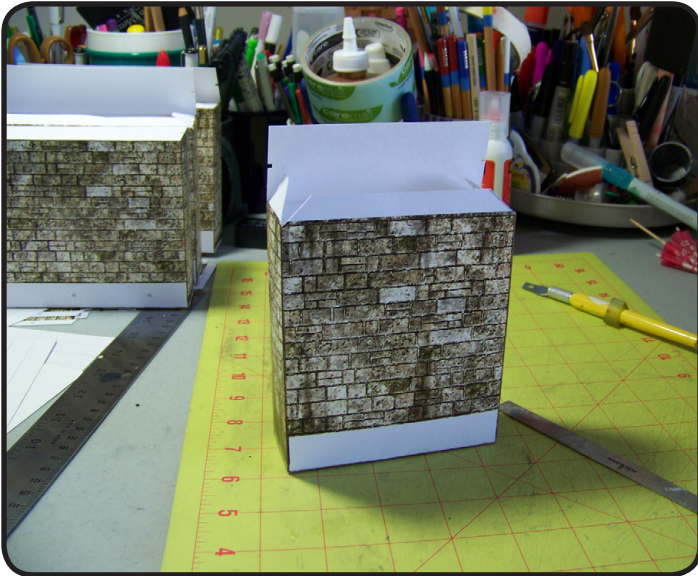


3: Glue the two wall sections together.

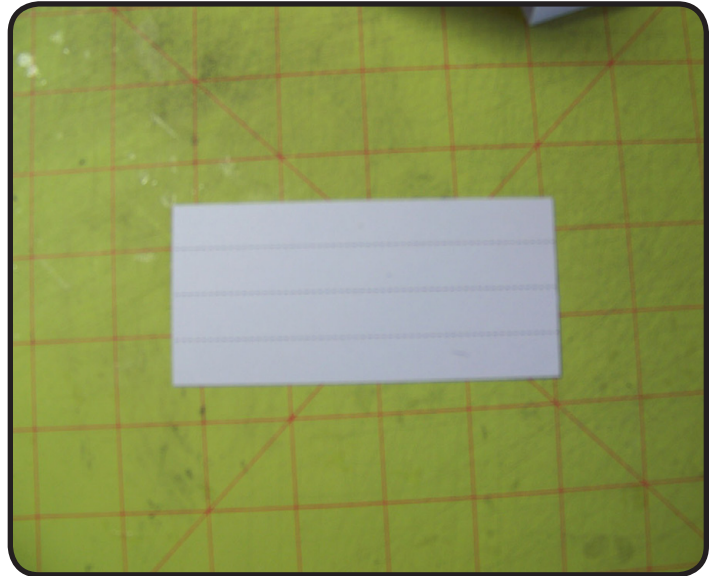


4: Glue the sides next.

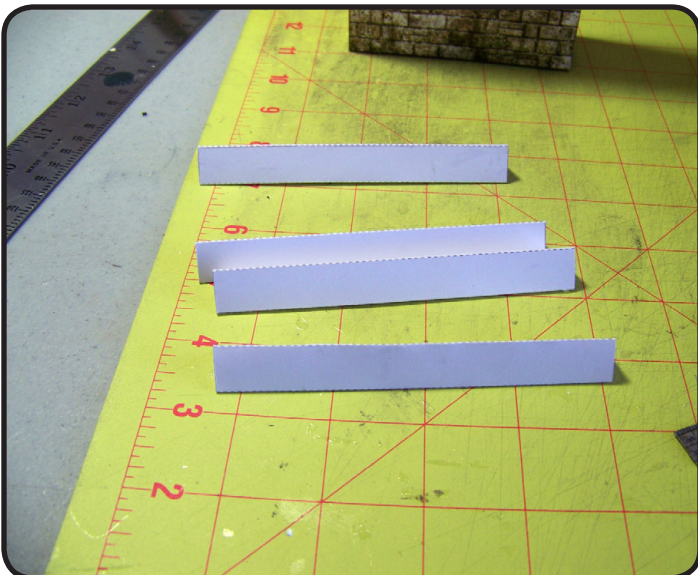




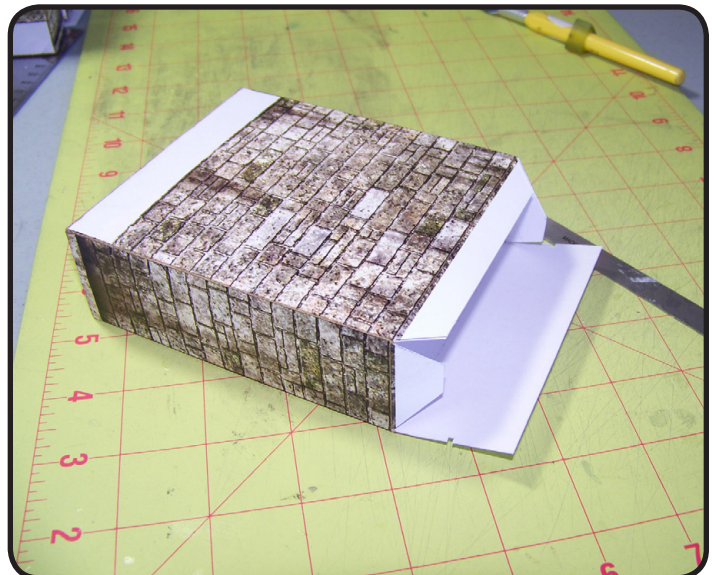
5: Once the sides are dry you will need to brace the interior.



6: Cut and score the interior braces as shown (2 per wall.)

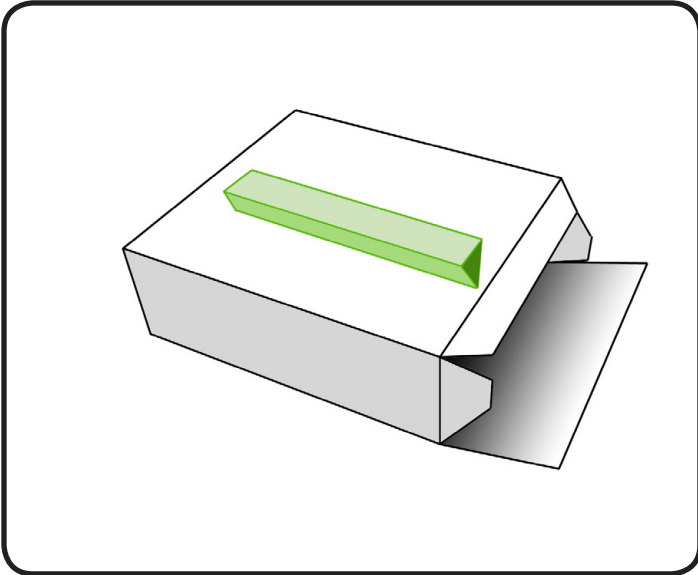


7: Fold and glue into a triangle.

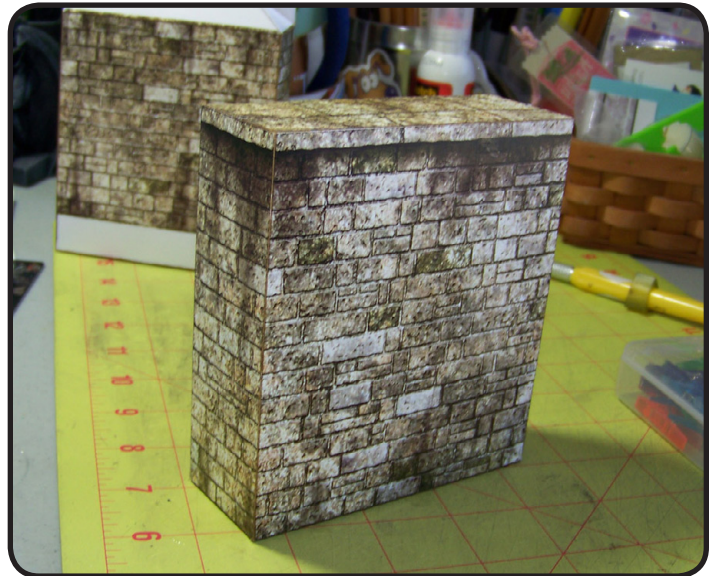


8: Insert the braces into the bottom opening and glue.

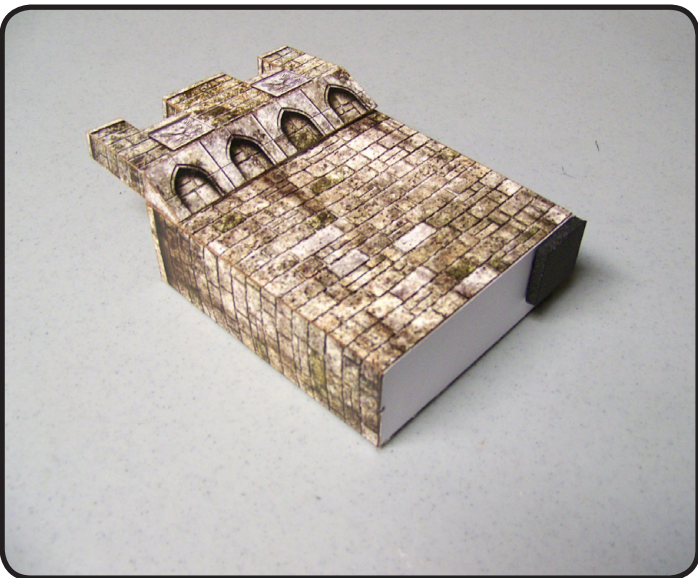




9. The braces glue vertically, one on the front face and one on the rear.



10: Finish by gluing the bottom flap shut.

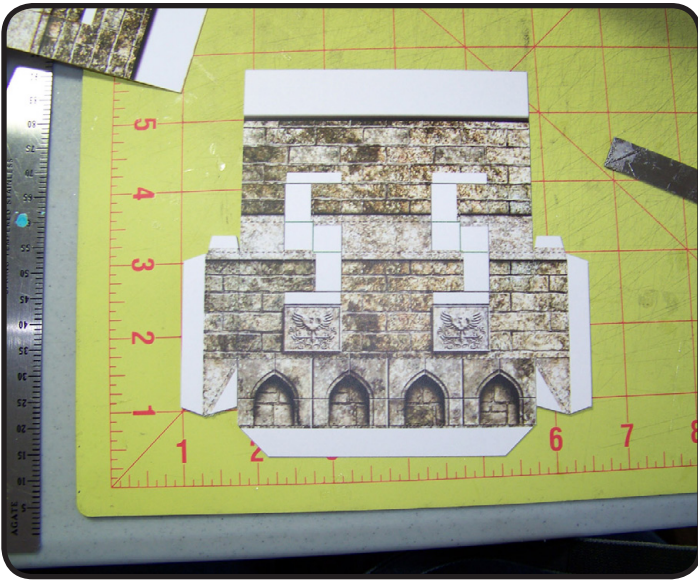


11: To make the walls compatible with E-Z Lock openings, just glue a square that you have cut out of a foam-core base tile to one of the FRONT bottom corners as shown.

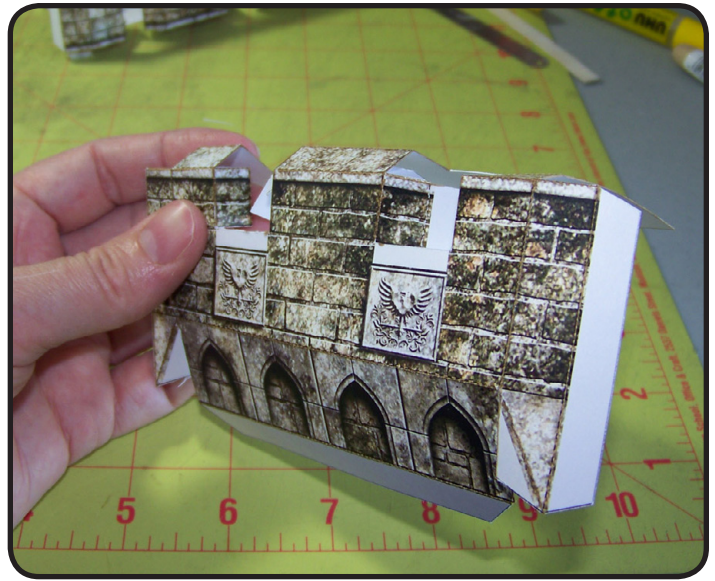




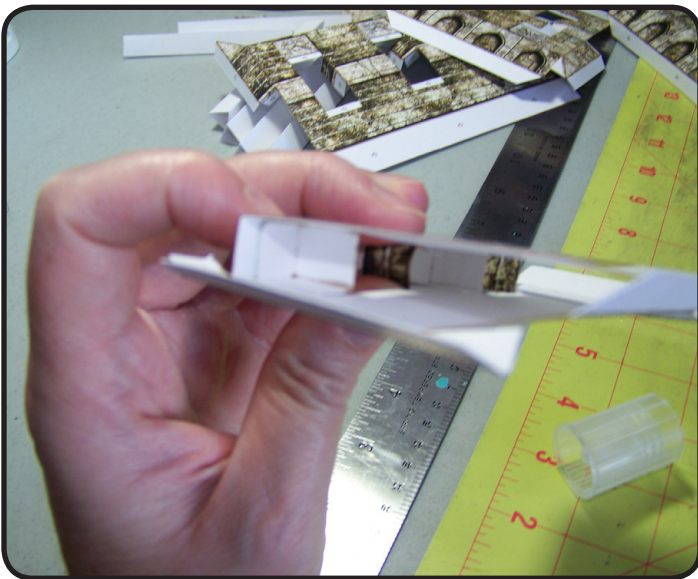
## Wall Crenelations



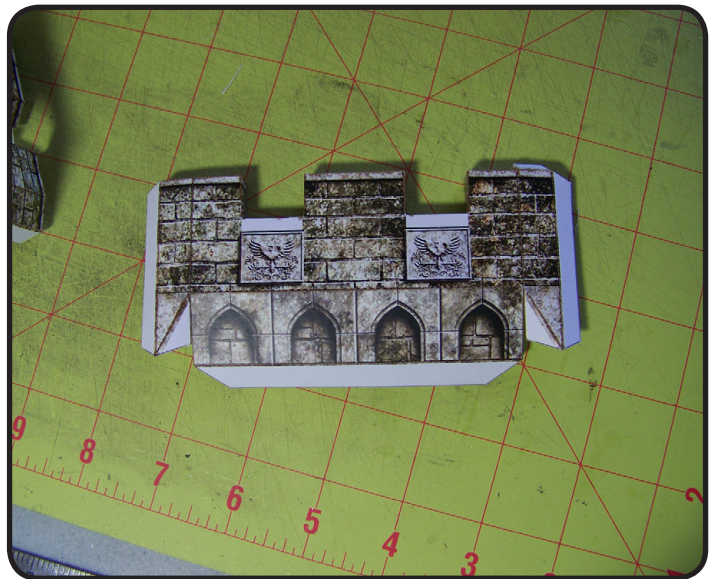
1: Cut and score as shown. An optional top layer with the harder to see cut lines overlaid in green can be tuned on prior to printing.



2: Begin construction by folding in half as shown and gluing the interior crenelation top tabs. By doing these first you can easily reach inside the structure to hold tabs as they dry.

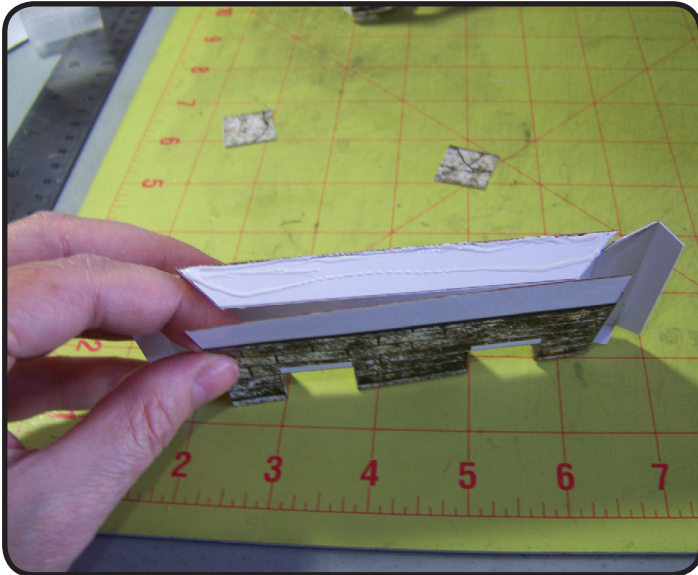


15: Continue gluing the interior side tabs, working slowly and being careful to line them up.

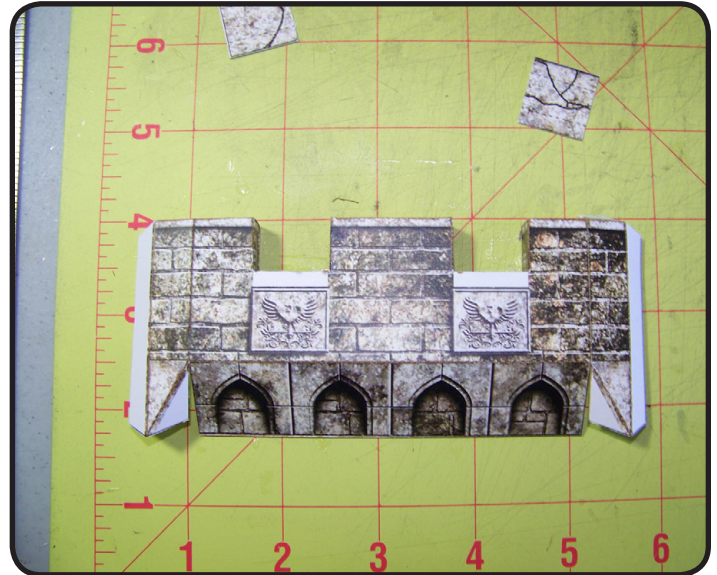


16: Allow the interior tabs to fully dry before proceeding.

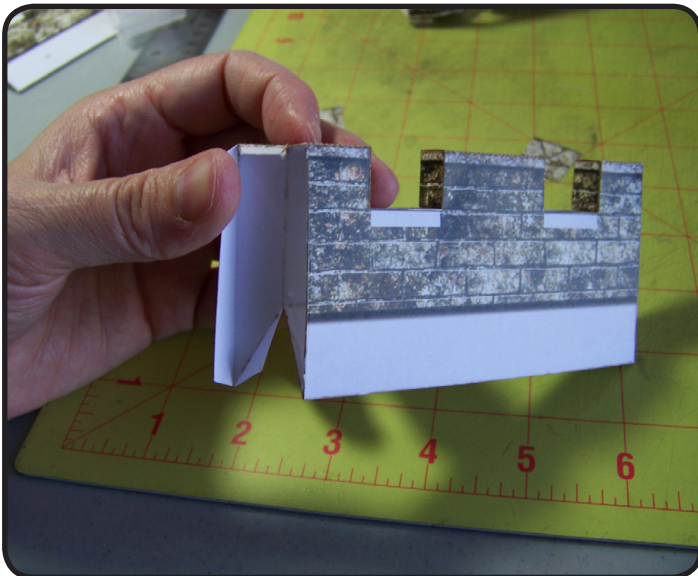




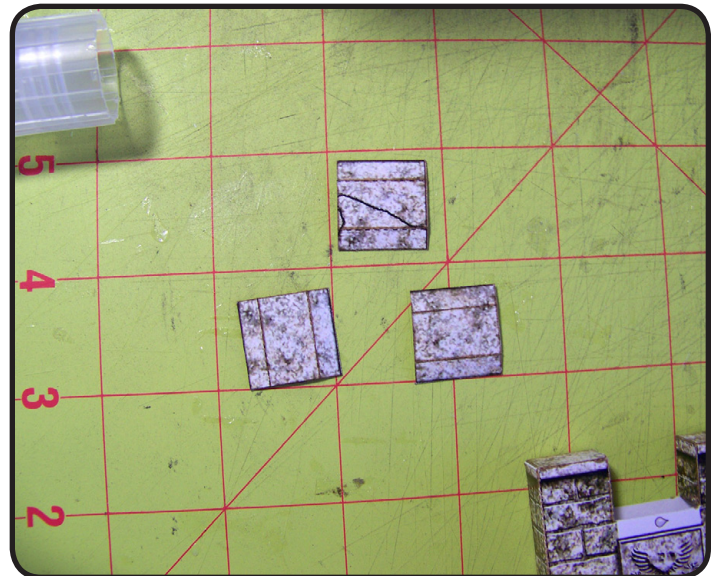
17: Next glue the bottom tab as depicted above.



18: Before applying glue to the other flaps, test fold them to make sure they fold neatly into place (you can easily make adjustments to them at this time if required.)

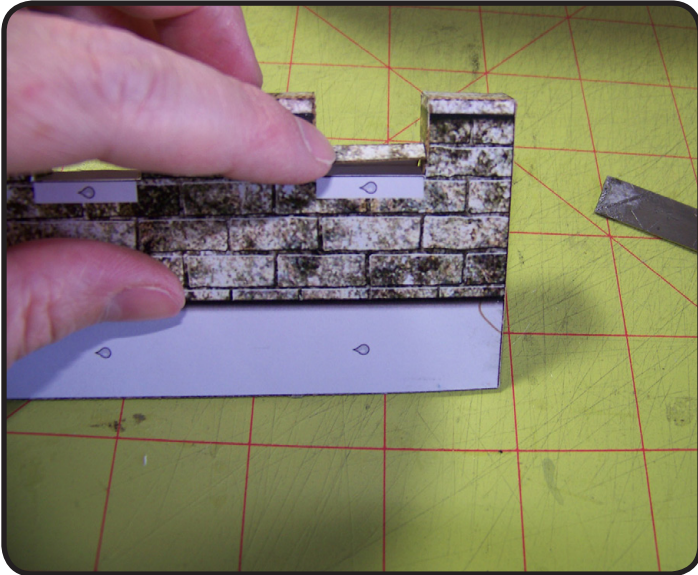


19: Fold and glue both end flaps.

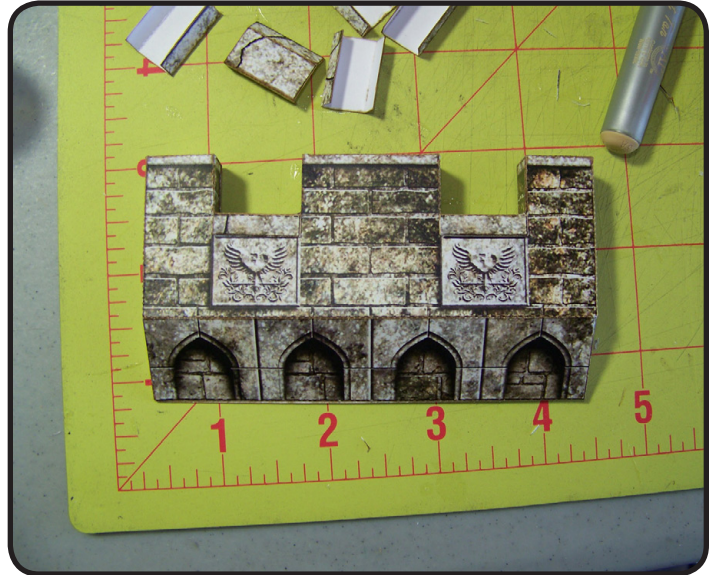


20: Cut and score the crenelation caps as shown.



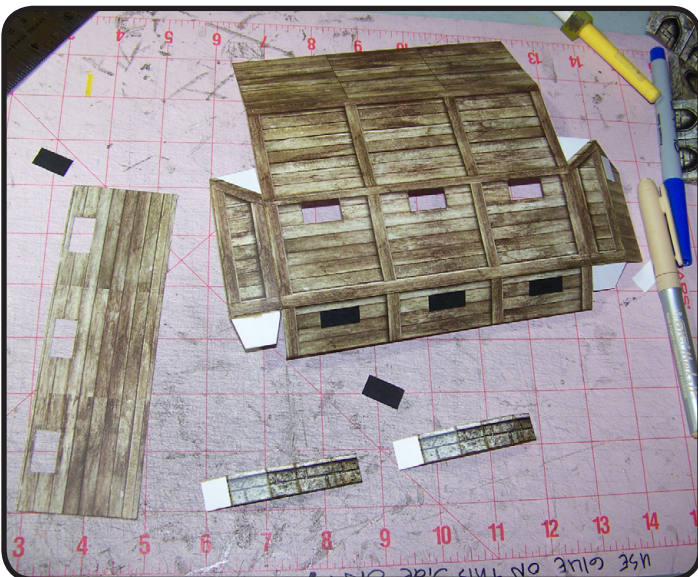


21: Glue the caps over each opening.

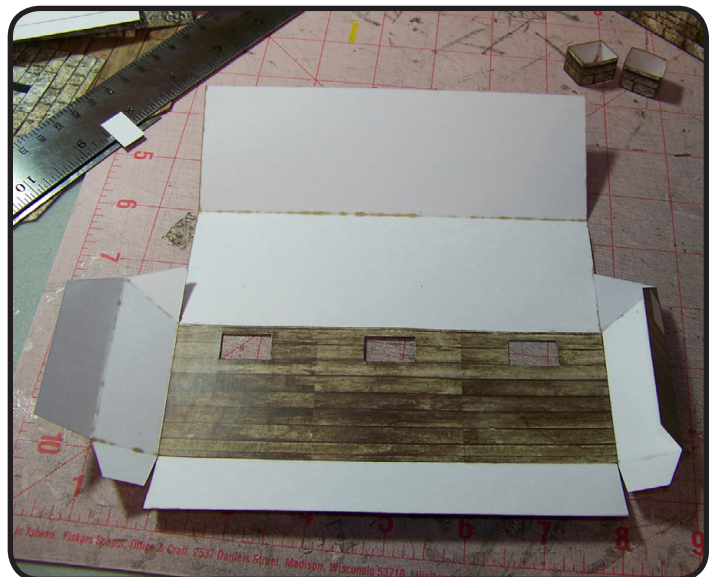


22: The finished crenelation strip. This can now be glued to a finished wall section.

## Hoardings

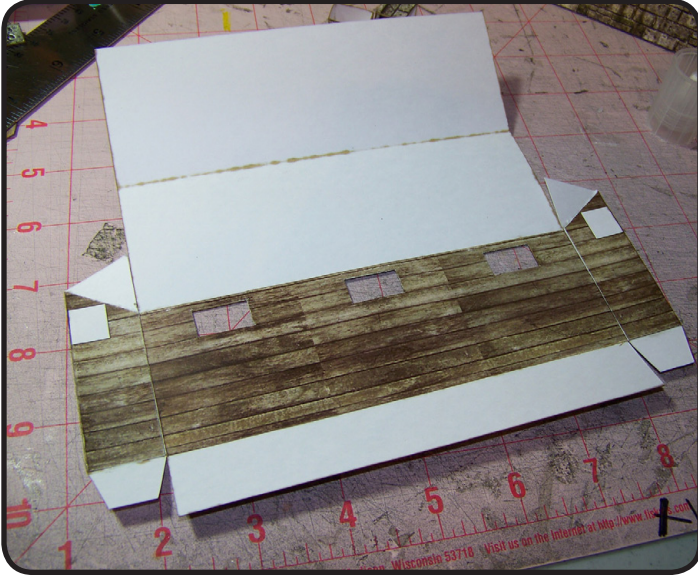


1: Cut, score and test fold the hoarding pieces.

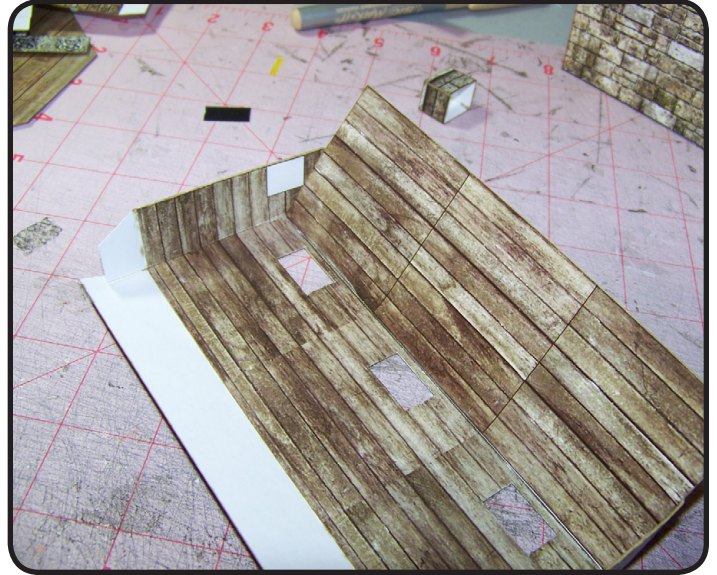


2: Glue the interior face piece as shown.





3: Fold over and glue the side flaps.



4: Glue the side flap top tabs to the inside of the roof, then fold over the roof underside flap.



5: Glue the bottom flap tabs into place. You can use a straight edge to apply pressure and make a tight corner as depicted above.

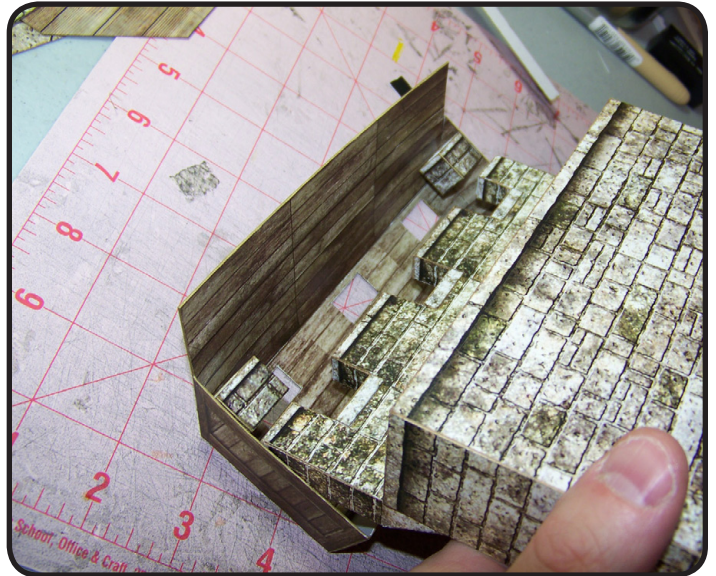


6: Glue the attachment rings together.





7: Glue the attachment rings to the interior sides.



8: Once dry, the completed hoarding can be slipped over a equal length crenelation as shown. Position at an angle and gently slide the attachment rings over the end posts.



9: Rock into position, the hoarding will fit flush with the wall.

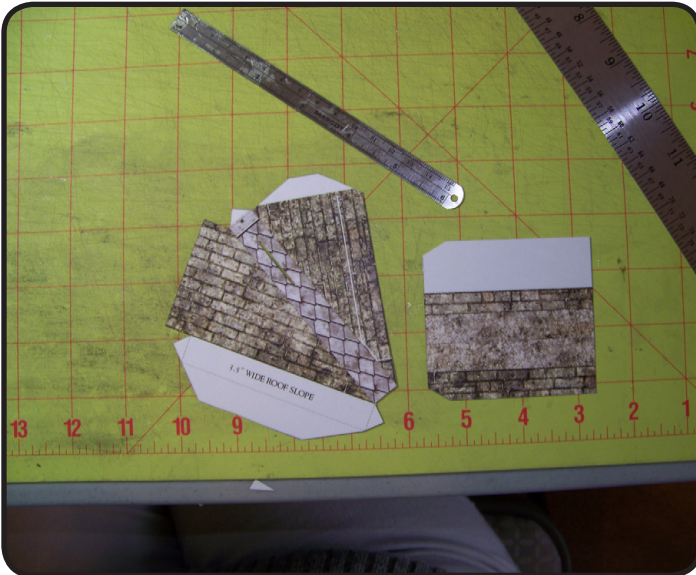


10: When removing the hoarding, remember to gently rock it backwards as you slide it upward.

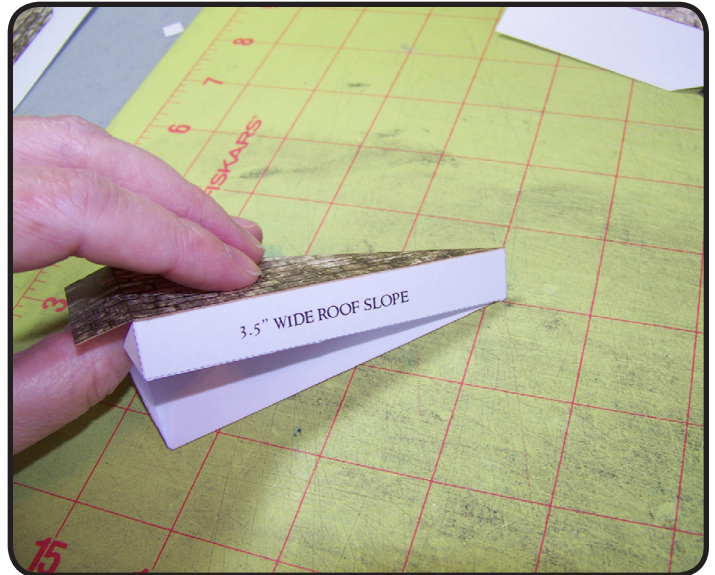




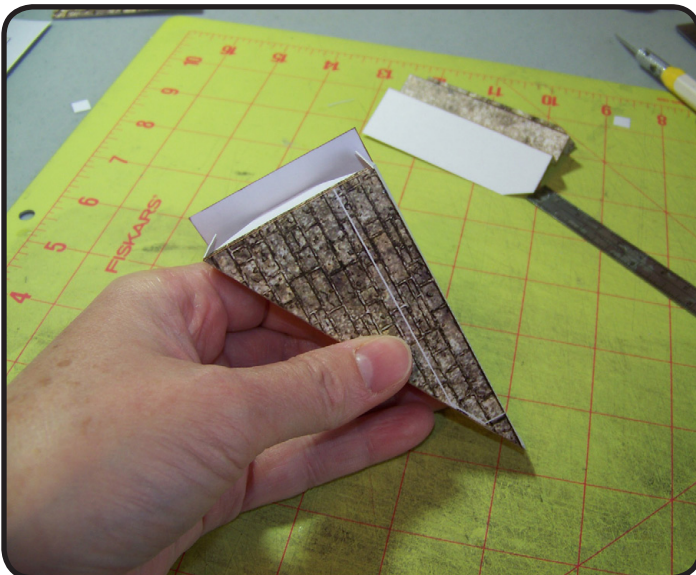
## Interior Buildings



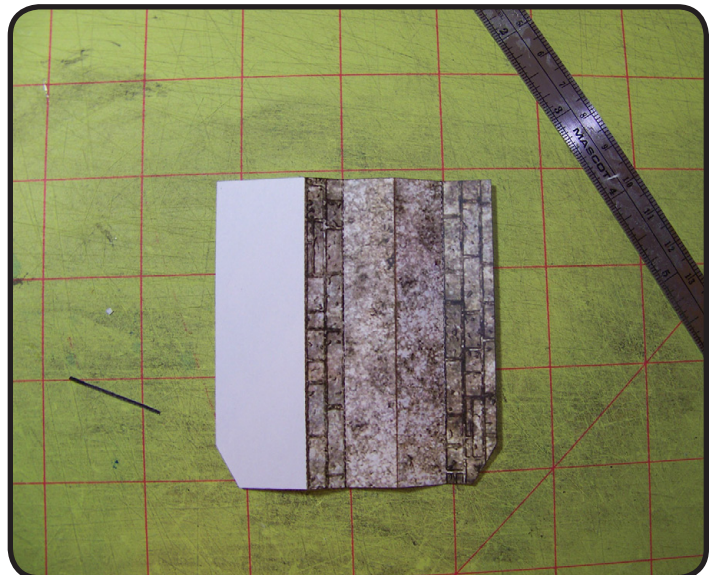
1: Most of the building pieces are general shapes covered in the attached Beginners Guide. A few are new to this set, so we'll just cover those. The roof pieces assemble similar to a standard wall section. Cut, score...



2: Begin by gluing the bottom flap/tab first.



3: Finish the main piece by gluing the rear flap.

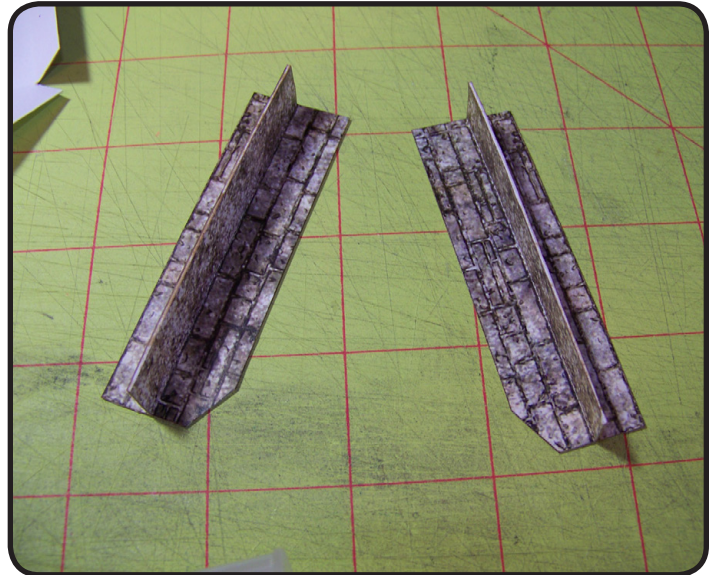


4: Cut and score the alignment piece as shown.

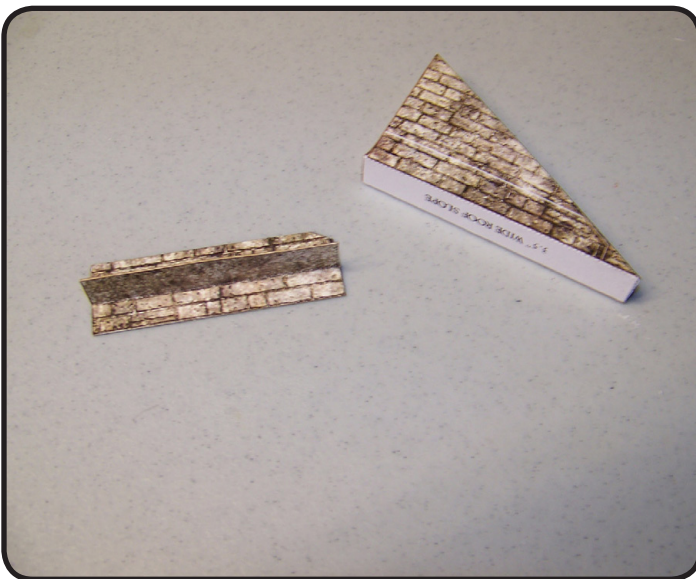




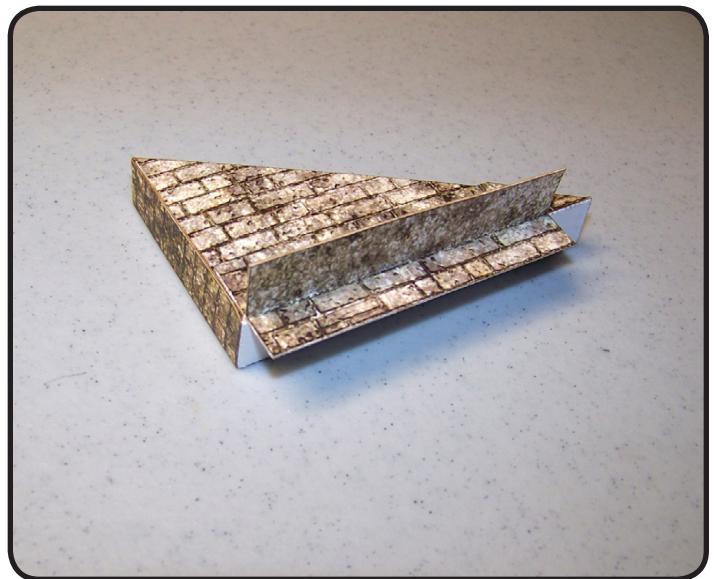
5: Fold and glue into a 'T' shape as depicted above.



6: This is what the finished piece should look like.

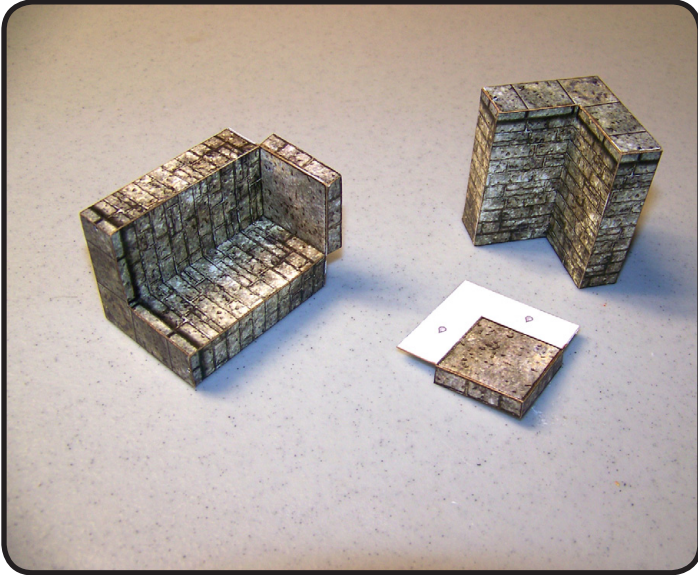


7: The alignment piece glues to the main piece.

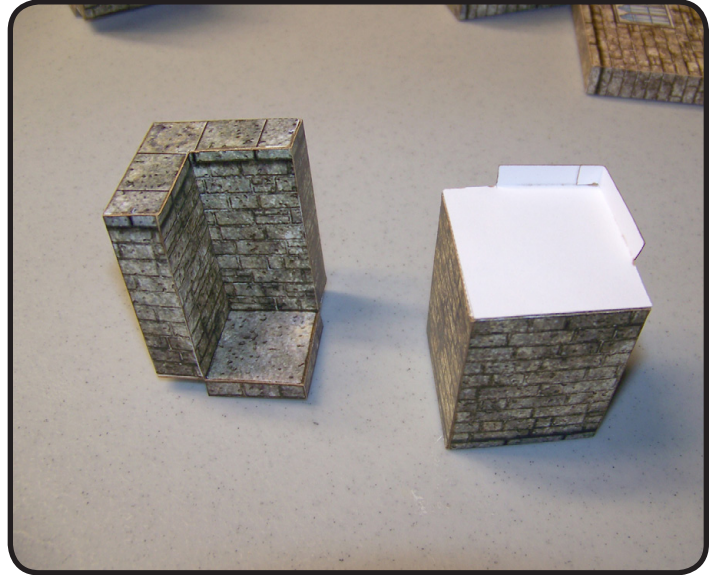


8: The alignment piece should glue flush with the rear edge of the main piece, and the side extension should be level with the bottom edge of the main piece.

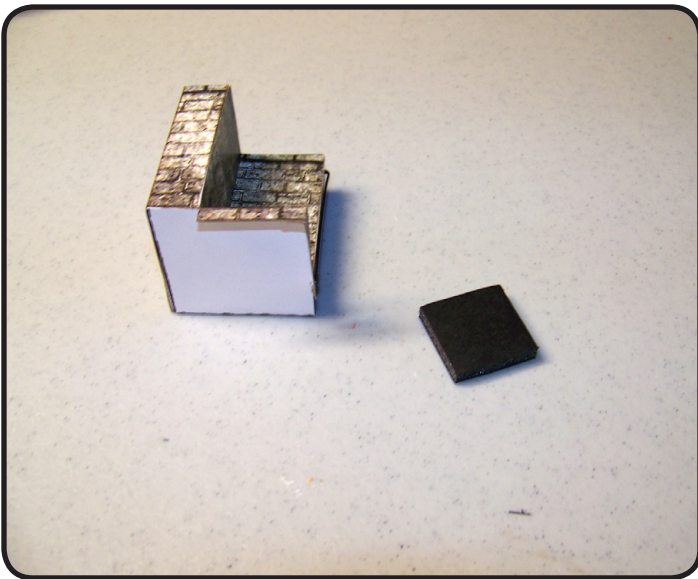




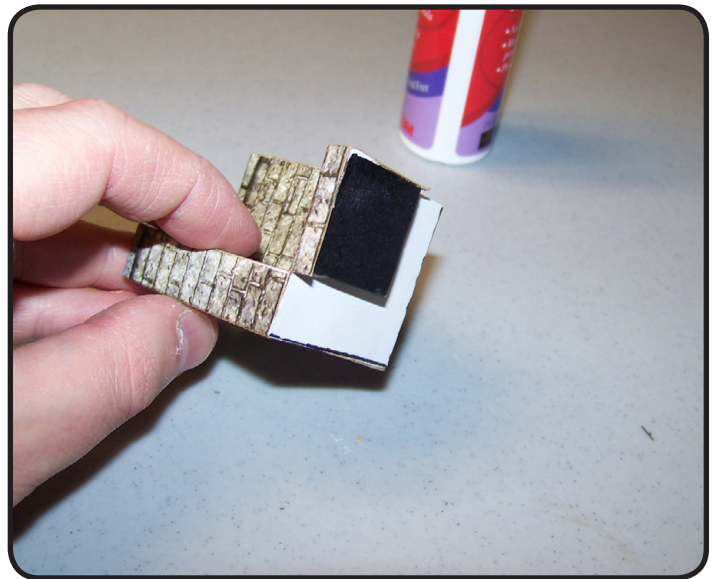
9: The E-Z Lock corner pieces are built as shown above. You will need to add the bottom ledge piece to the corners that will be used on upper levels as these support your floors. You only need one corner with the bottom ledge on the ground floor if you want the building to lock down into a base tile.



10: Here is a closer view of the corner with the ledge added. Note the ledge has two fold down edges. These are what will lock it into the ground tile and keep the upper levels from shifting.



11: For added durability, we strongly recommend using a piece of foamcore (just reuse a piece cut from a tile section) that is slightly UNDER 1" on each dimension (a piece cut from a base tile for an E-Z Lock hole would need to be trimmed down a little more.)

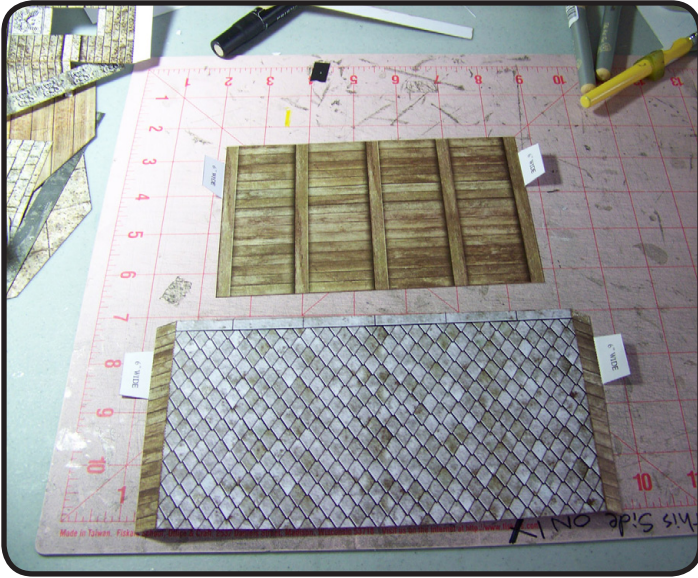


12: As you can see here, the foamcore is tightly glued into the forward corner, and it does not reach as far back as the tab side walls do.

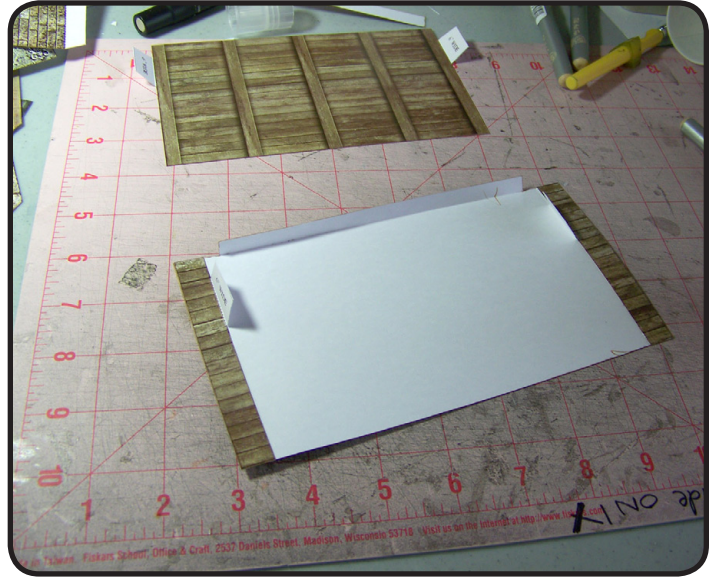




## Roofs



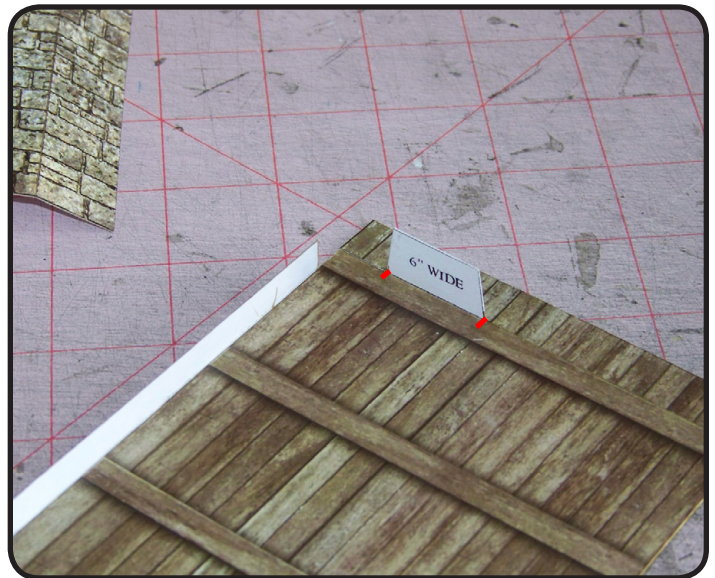
1: Cut and score the roof section (6" roof is being used for this demo.)



2: The end flaps fold back on themselves and glue down, but be sure the white roof attachment tab is folded upward and not glued down.

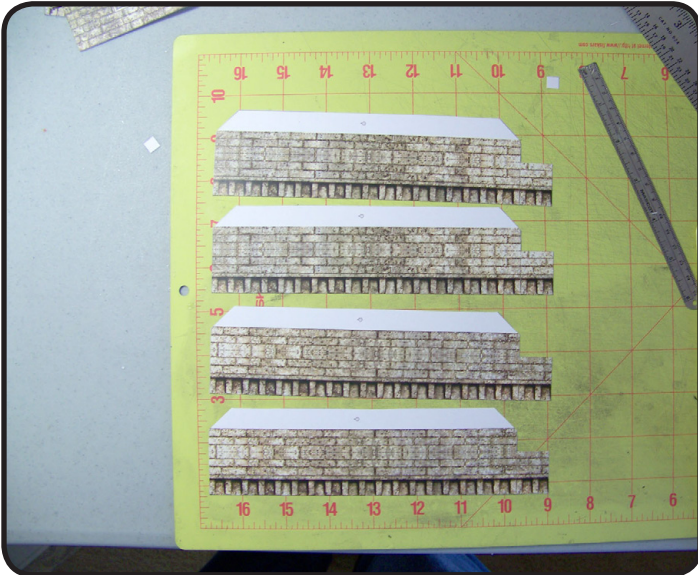


3: Glue the roof interior face down at this time. The attachment tabs on it glue to the outer attachment tabs to make them double layered. We strongly recommend placing each roof section under something heavy while it dries to ensure it stays flat.

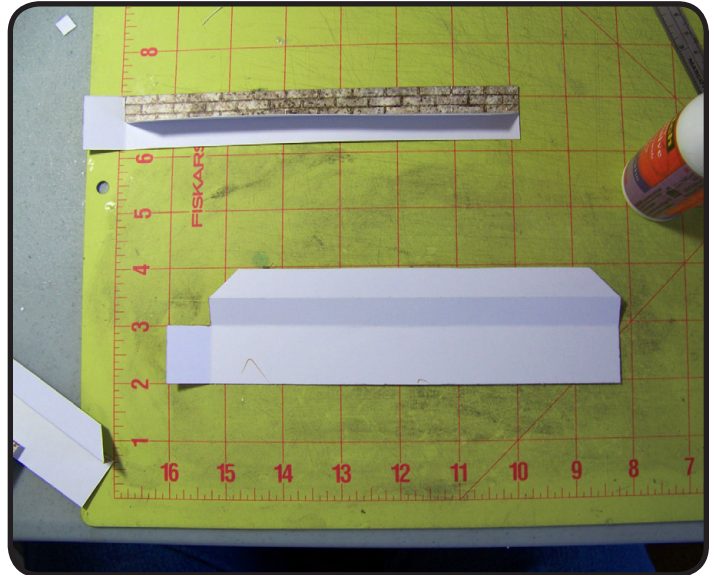


4: If any cuts or scores are slightly off, the two pieces may not fit and be too snug. Don't panic, all you need to do is make two small cut marks (shown in red) on either side of the inside facing attachment tab and it will snug down into place.

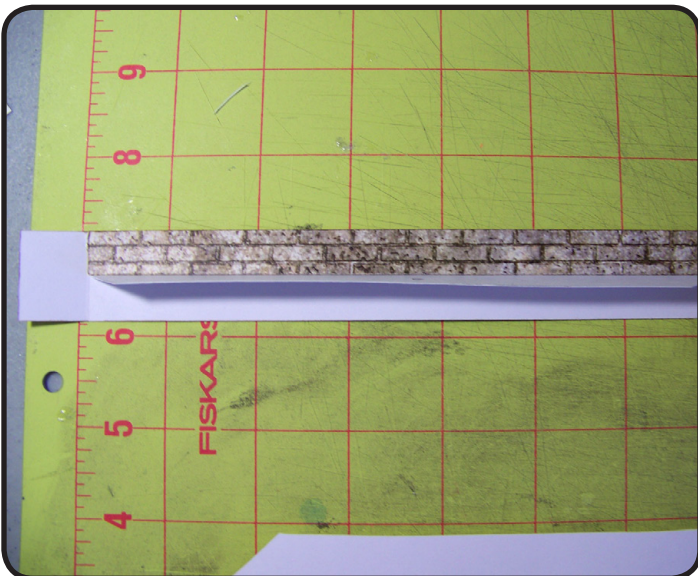




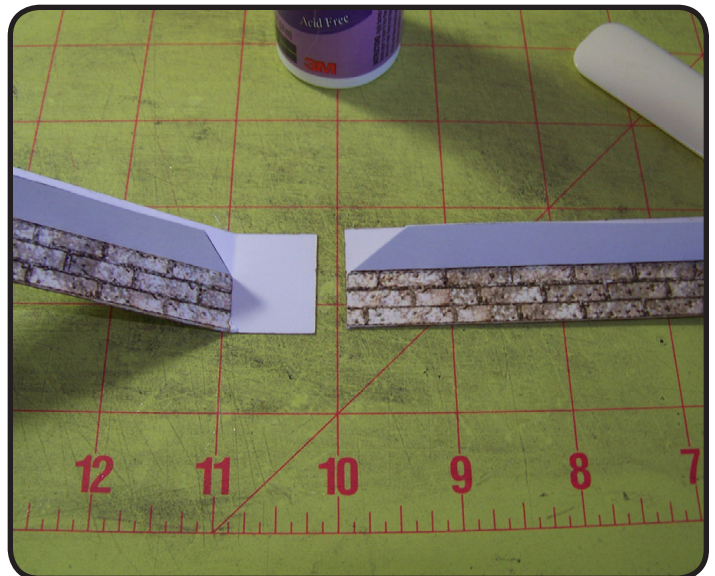
5: There is also a flat roof included in this set that measures 7x7". This will fit a building constructed with each side having a 4" wall and the E-Z Lock corners installed.



6: Cut, score and test fold the four side strips.



7: Fold the inside face down and glue it, making sure the bottom edge fold back outward and is not glued (should look like a 'T' in cross section.)

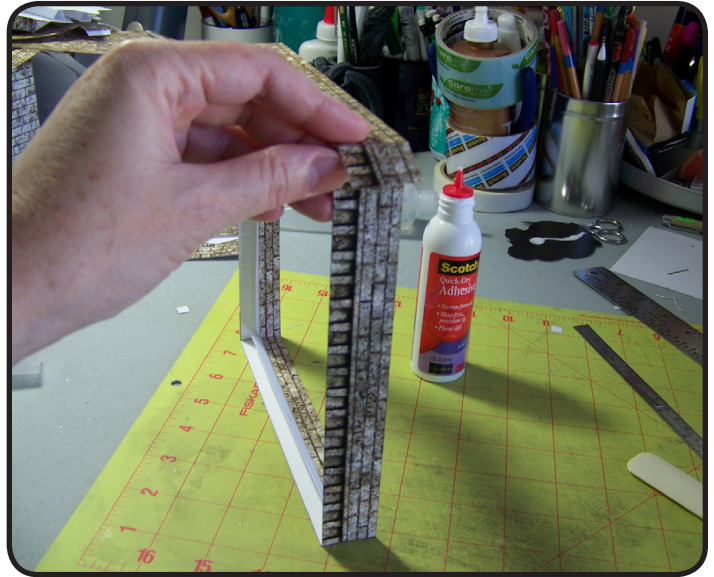


8: Glue each of the four pieces into a single long strip.

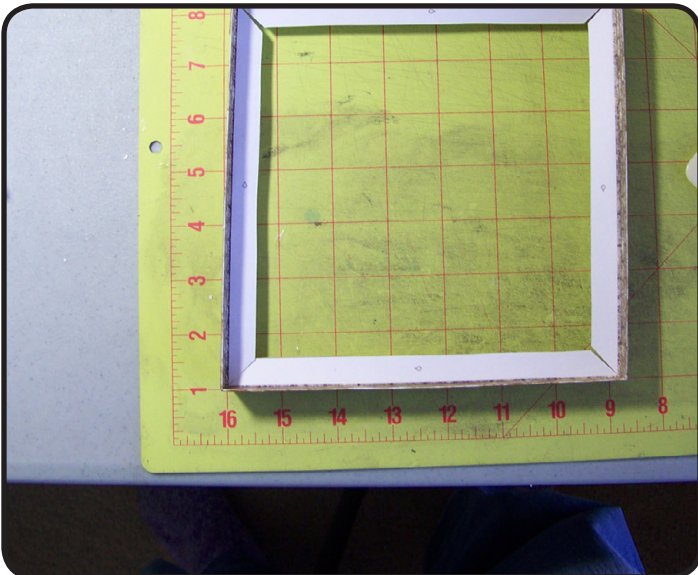




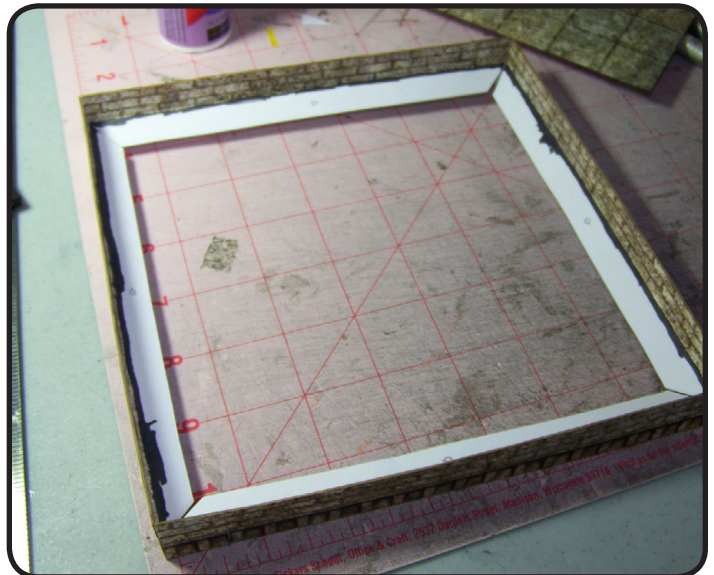
9: Make sure the strip is 100% dry before trying to fold it.



10: Fold into a square and glue the last corner.



11: Make sure all of your interior tabs fold freely and are not glued down. If they are, you can probably pry them free with a straight edge.

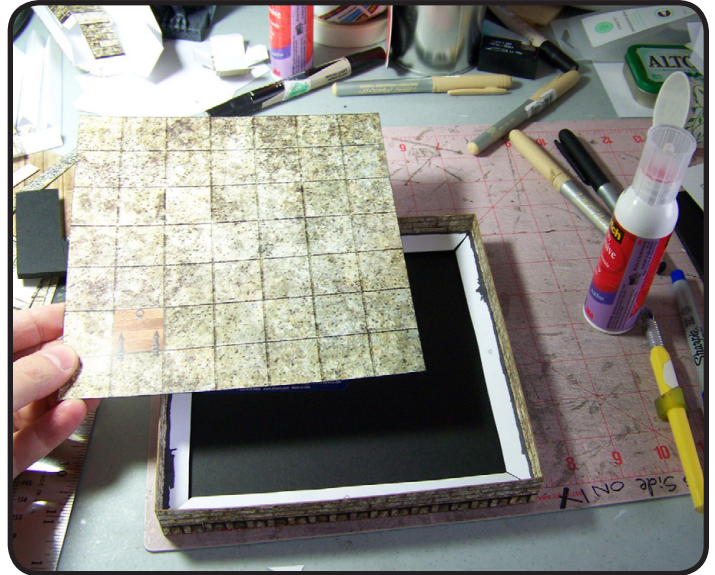


12: Before gluing the floor in, we recommend you run a black marker around the tabs as shown in case there is a gap where the floor meets the side wall. Black won't be noticeable, but white sure would be.

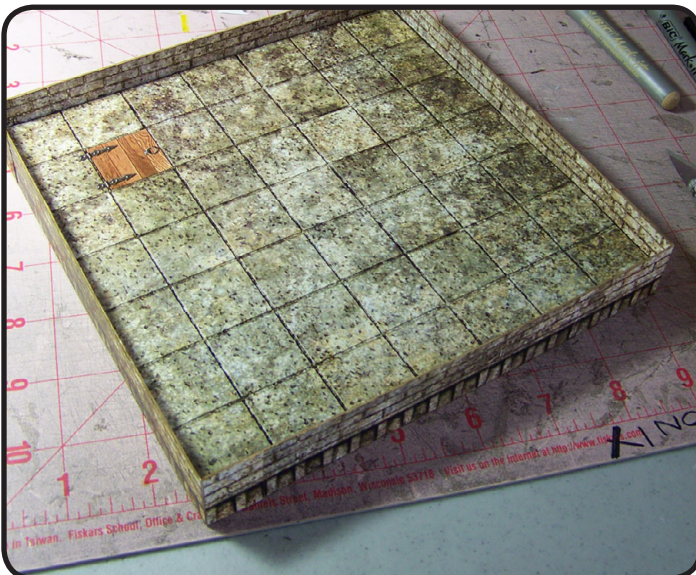




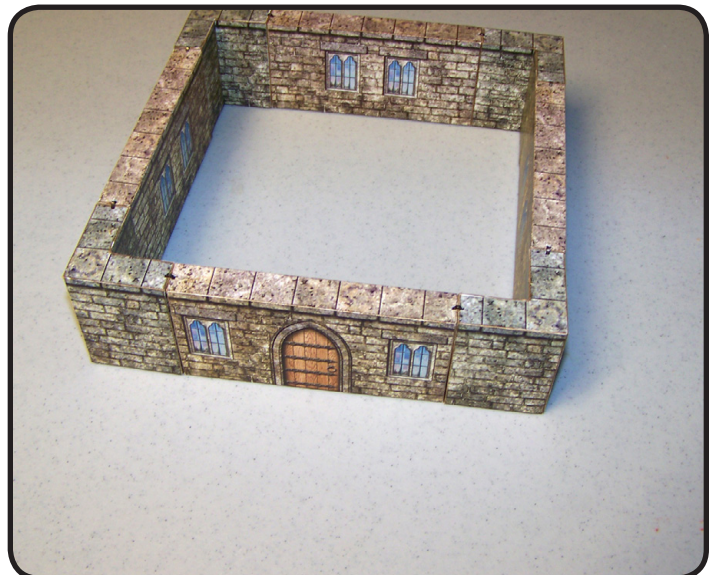
13: One trick when gluing the floor is using a piece of foamcore as a 'backer'. Here is a 7x7" piece.



14: I've placed the foamcore UNDER the glue tabs of the roof piece. Apply glue to the UPPER FACES of the tabs and put your floor into place. You can now pick up the model and work around the edges applying pressure. The foamcore gives you a sturdy reinforcement to apply pressure to.

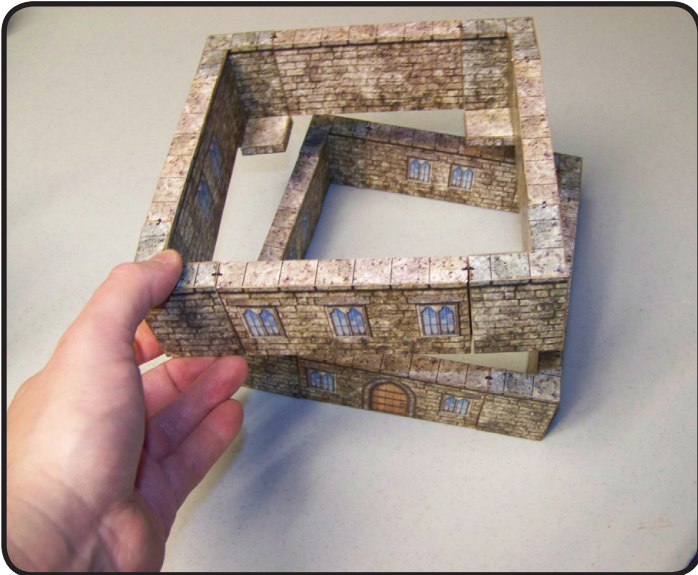


7: You can easily apply pressure on the tabs from within through the open bottom of the piece. If you choose, you can glue the foamcore to the bottom side for added support. These pieces can be cut down to make flat roofs of other dimensions, like 7x5", etc.

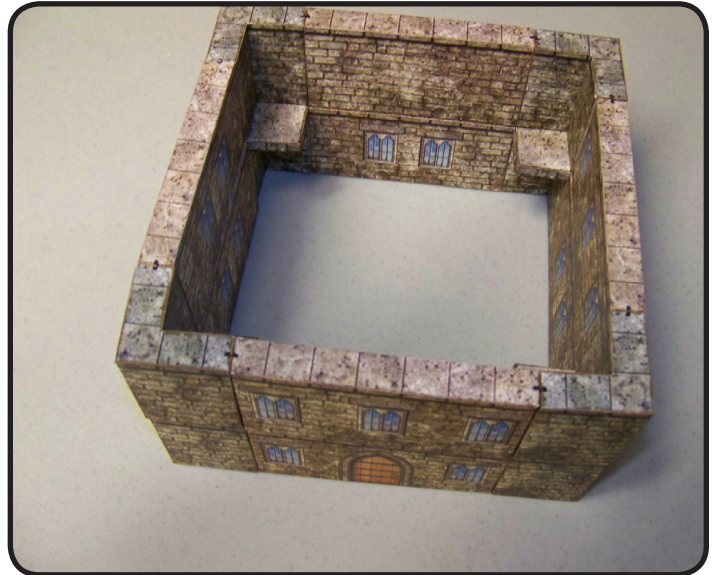


8: All wall and corner pieces join with common bobby-pins. The first floor only needs one corner with a ledge on it if you intend on locking down to a ground tile.





9: Upper levels need all corners to have the ledges on them to keep the upper levels from shifting in addition to supporting floors.



10: Make sure all pieces are aligned before adding the floor.

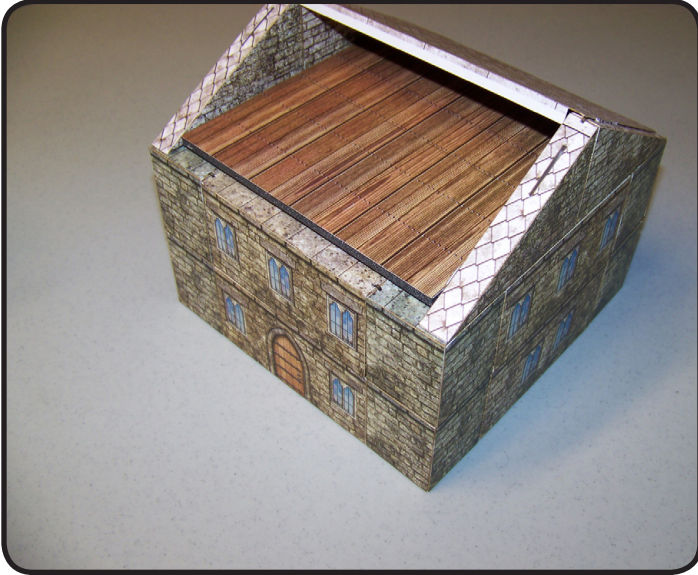


11: Drop in a floor section (mounted on stiff cardboard or foamcore) as shown.

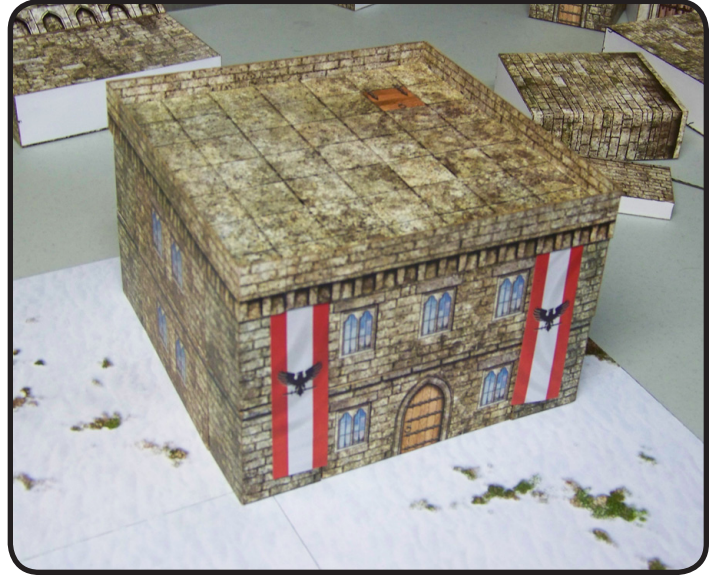


12: Add the roof end pieces. Here four pieces have been used in pairs that are bobby-pinned together. A floor section has been added as well.





13: A single roof section will keep everything tightly in place. You can remove one side as required for access to the attic area.



14: Here is the same building with the flat roof in place.



15: A single E-Z Lock corner with ledge will be enough to anchor the building to the ground.

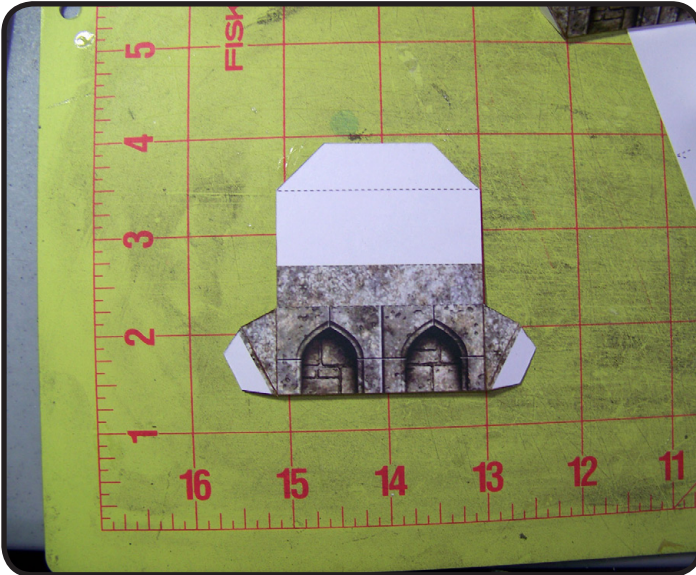


16: Start adding walls and you'll have a finished building before you know it!

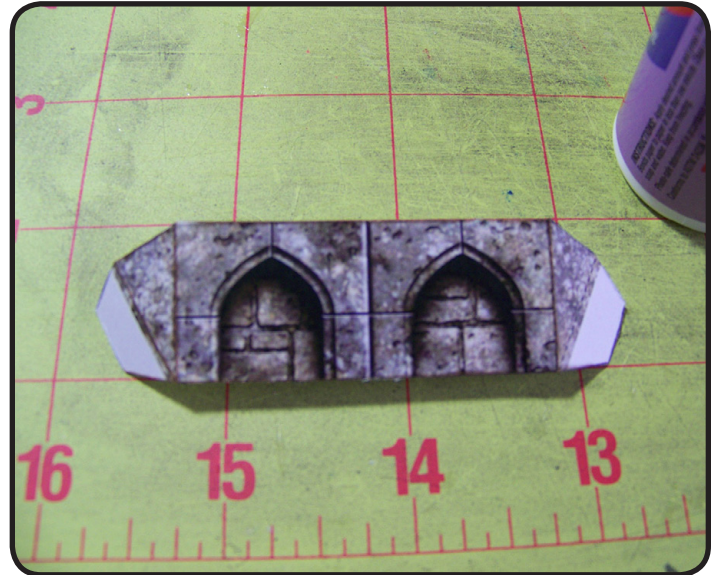




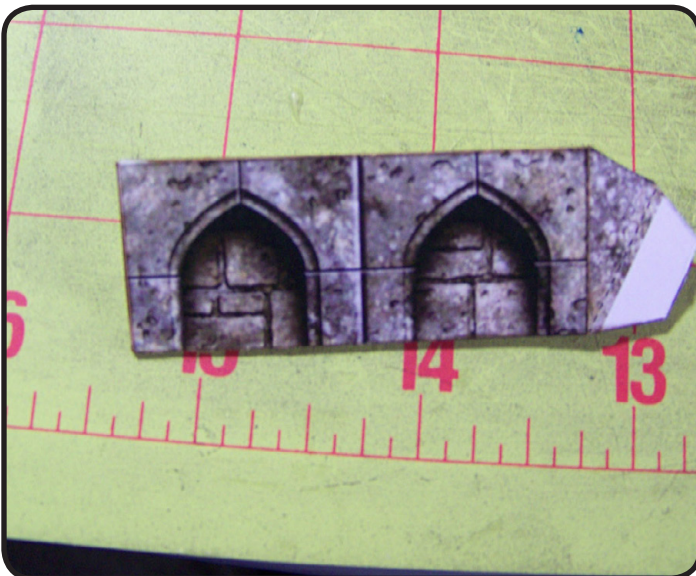
## Towers



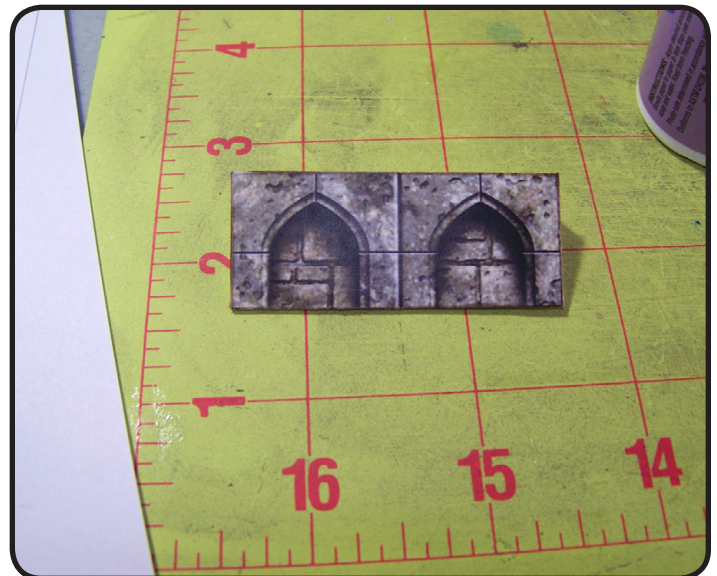
1: The tower cap supports assemble very easily. Cut, score, blah blah blah...



2: Glue the long bottom tab first. **MAKE SURE IT IS PROPERLY ALIGNED!!!!** If not, you will have a 'twisted' support piece!

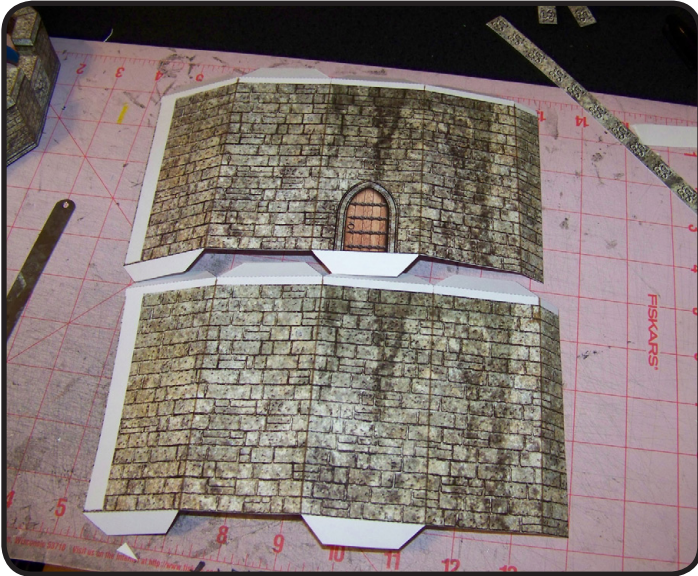


3: Glue one side and allow to dry.

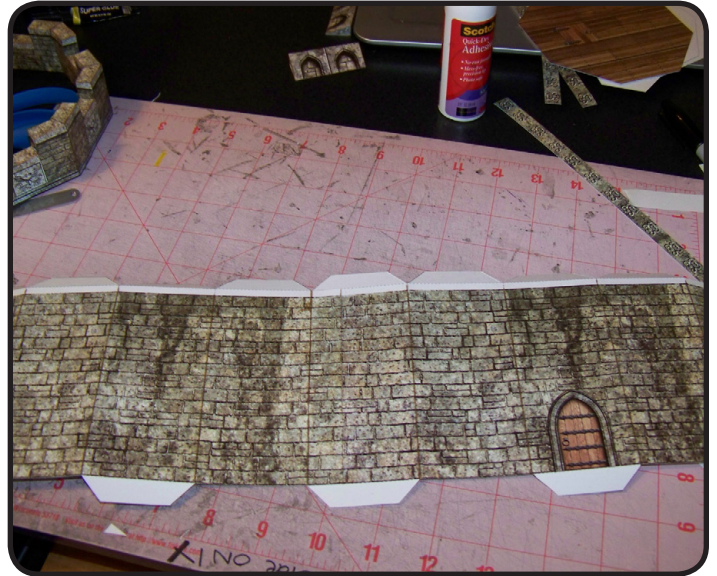


4: Glue the opposite side and set aside to dry.

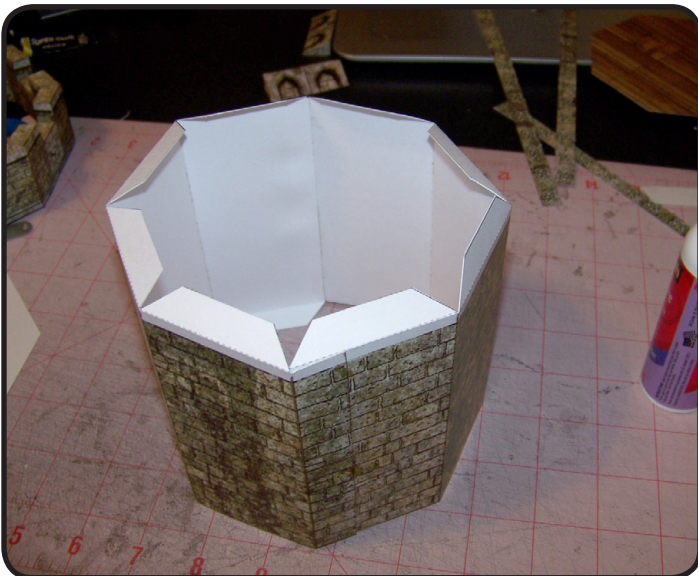




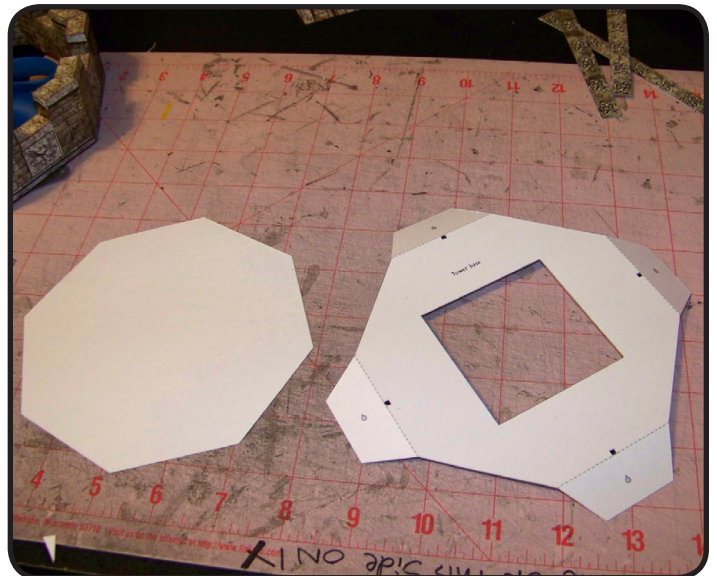
5: Begin constructing the main tower with the lower level section. Cut, score and test fold the two sections.



6: Glue into one long piece and allow to dry. The edges of the glue flaps can be cut unevenly to make them harder to see (better pic of this later in the instructions for the next level.)

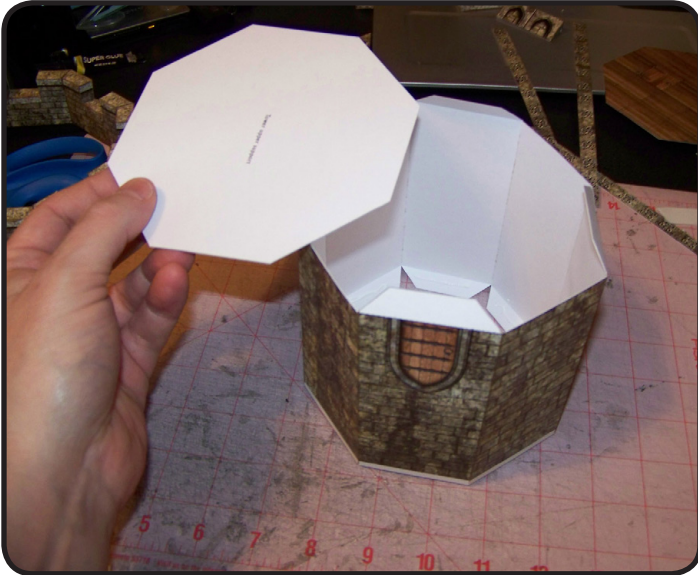


7: Fold the top tabs inward.

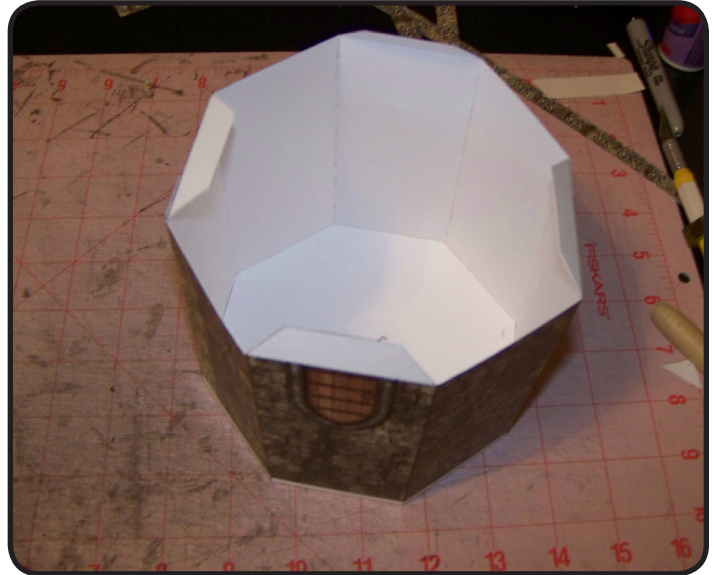


8: Cut and score the end pieces.





9: Flip the tower upside down on a table and insert the top piece through the interior as shown.



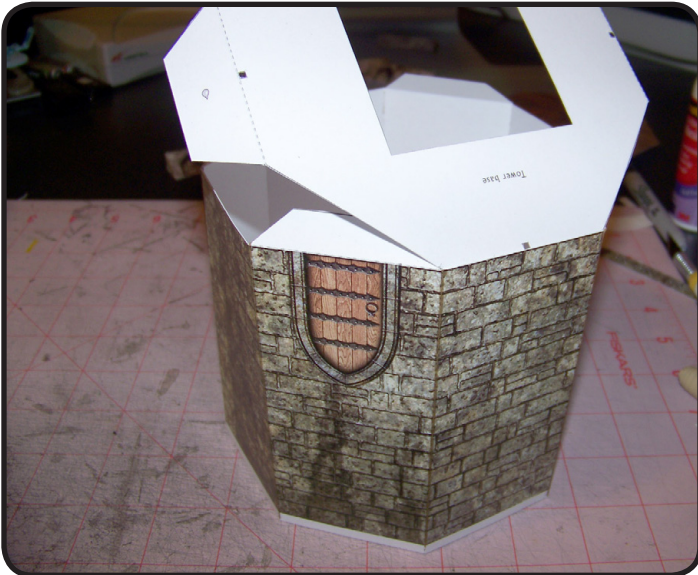
10: Glue the top piece into place.



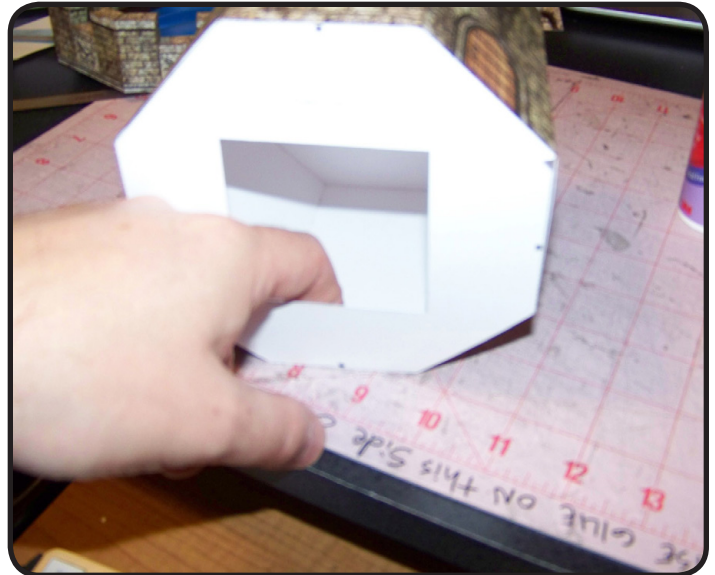
Just a quick FYI folks; I always try to keep an eye out for new glues to use and found this at Wal Mart in the scrapbooking aisle. It dries almost as soon as you apply it. The bond is as tight or tighter than any other glue I use and it has an applicator tip that is TINY- perfect for small edges and flaps! GET SOME TODAY!

We now return you to your regular programming...





11: Next you will glue the lower side of the tower into place. Glue one flap first and allow to dry. Make sure this flap is correctly aligned.



12: Glue additional flaps one at a time. Glue can be applied using a small scrap of cardstock. Flip the model on its side to reach in and apply pressure on the tabs from within.

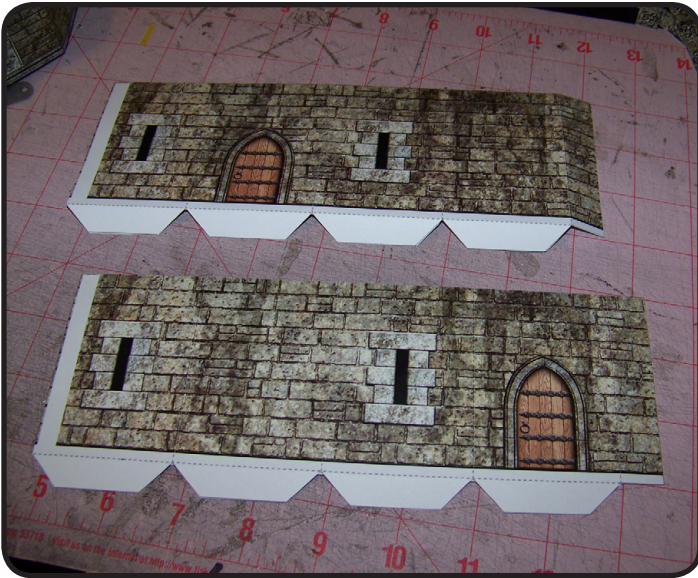


13: Set the lower tower aside to dry and begin working on the upper section.

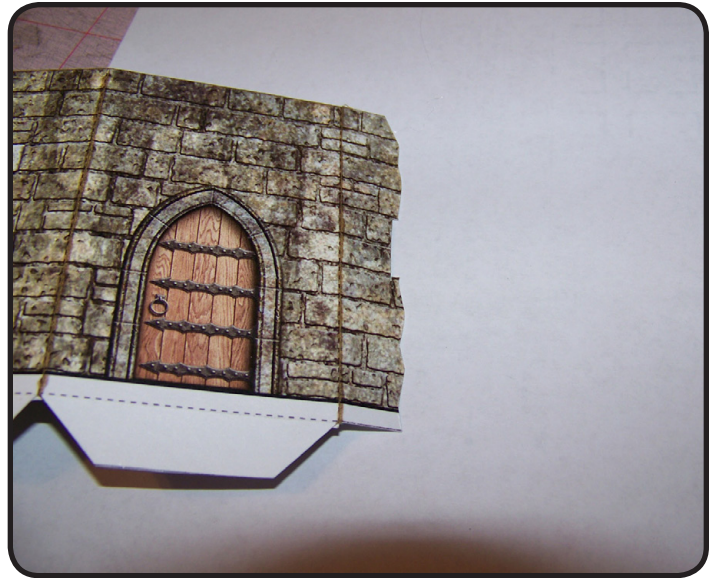


14: Prep the two sections of the upper tower.

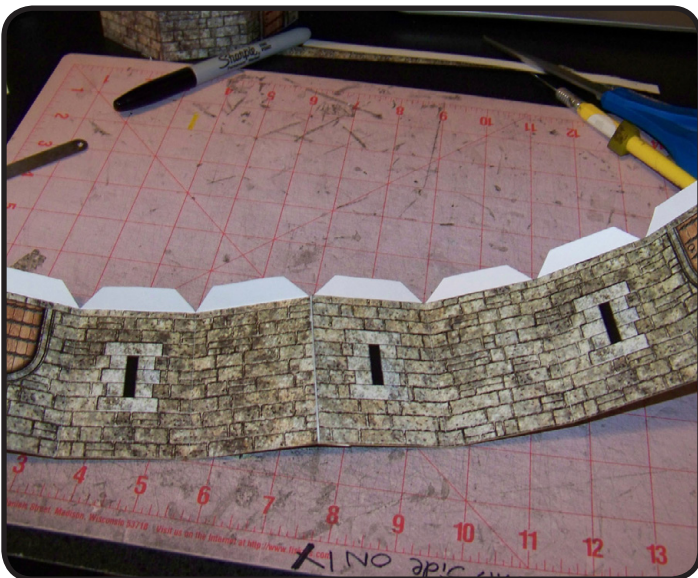




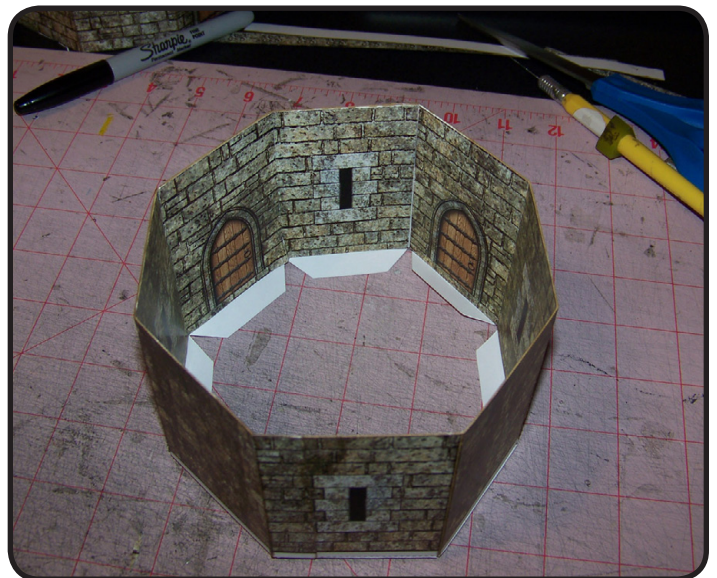
15: Fold each section in half and glue.



16: You can cut an irregular edge to the glue flap to make it harder to see. Make sure you don't cut too much off and expose the white glue strip on the piece it attaches to.

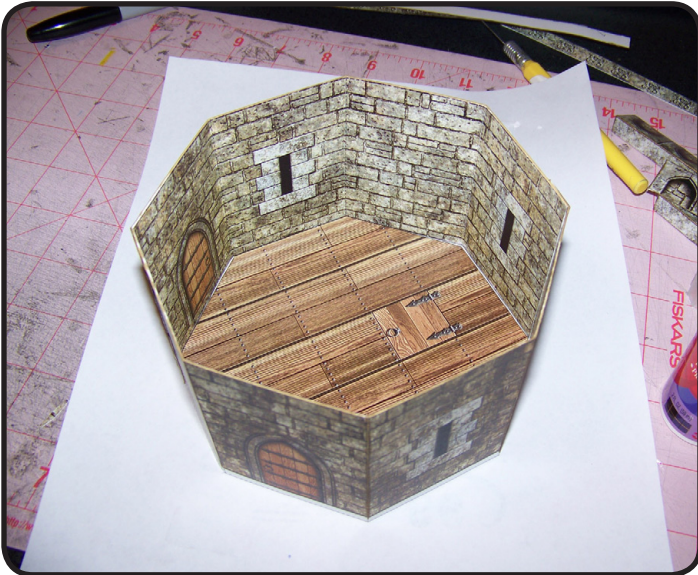


17: Glue the two sections together into a single piece.



18: Fold into an octagon and glue the ends together.

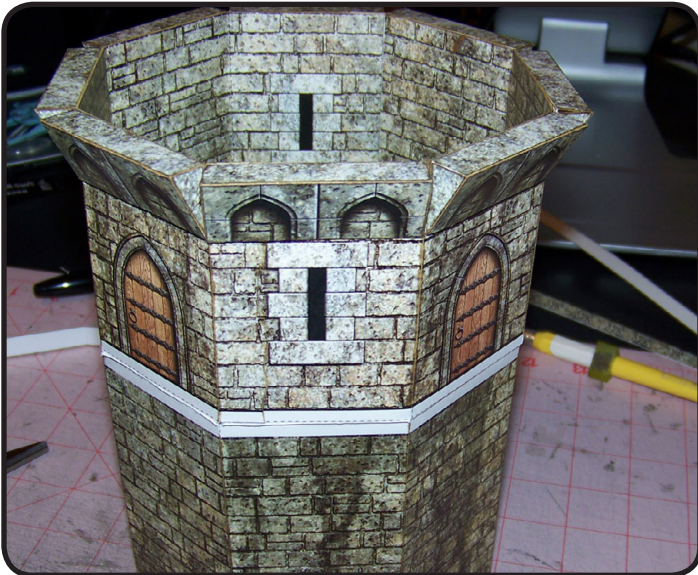




19: Insert and glue the floor into place.



20: Begin gluing the tower support pieces around the top outer edge.



21: Glue the upper section to the lower tower section as shown. Try and keep it as centered as possible.



22: Begin gluing the trim strips around the perimeter to hide the seam.



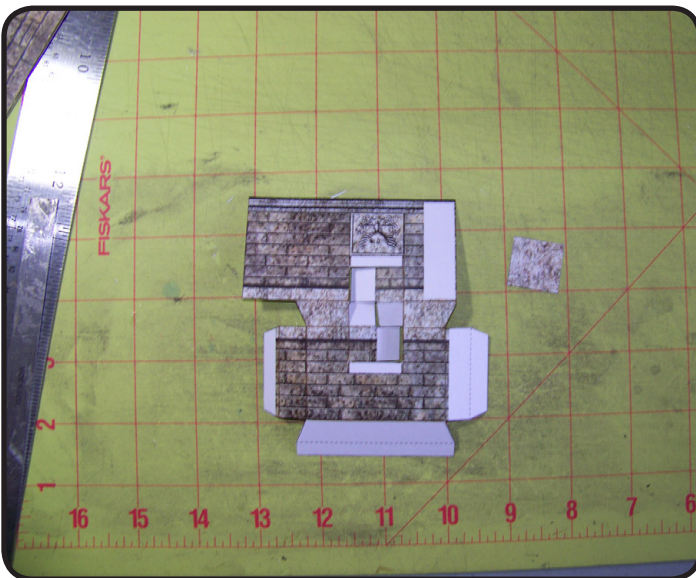


23: The finished main tower.



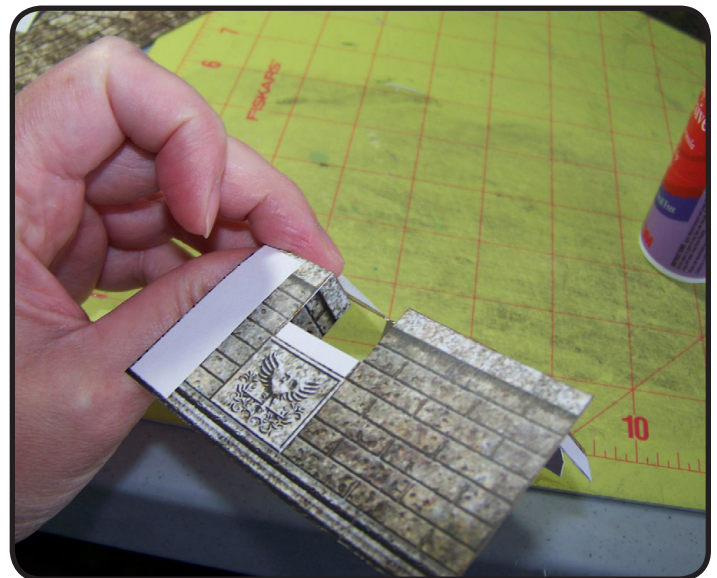
24: Here is the tower with the top cap in place (instructions to follow.)

## Dum dum dummmmm.... CRENELATIONS!



1: NOOOOOOOO!!!! NOT 3D CRENELATIONS!!!!  
AAAAAARRRRRGHHHHHHHHH!!!!

Don't sweat it, these go together much easier than you think (*and if you disagree, Fat Dragon Tom has included quick-build 2D crenelations for you, too!*)



2: Begin each section by gluing the interior faces of the crenelation. You can easily reach inside the structure to hold flaps in place.

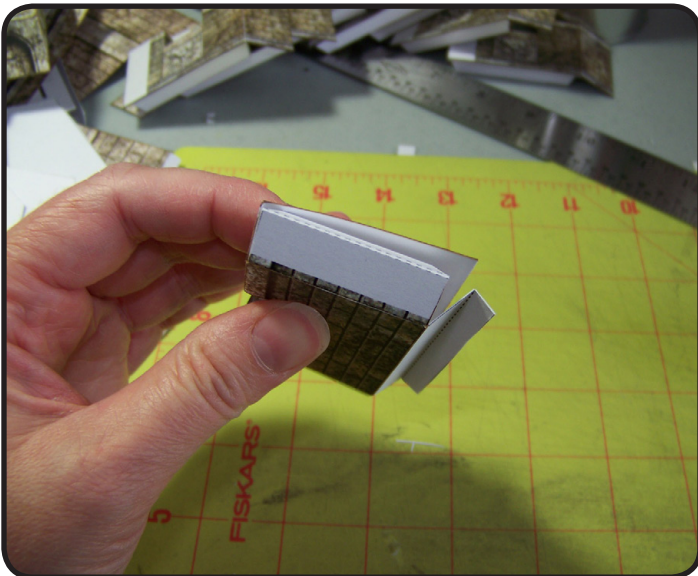




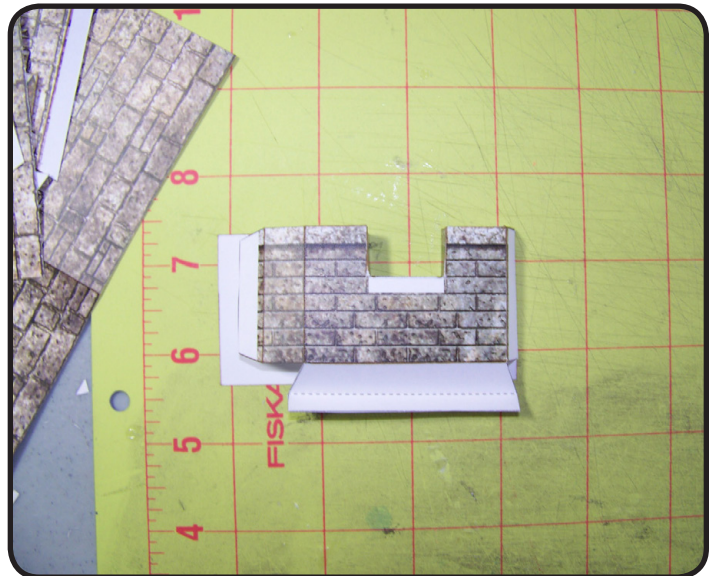
3: Glue the tabs that face upward first, then the side tabs.



4: You can use a ruler to reach inside to apply pressure to the side tabs as they dry.

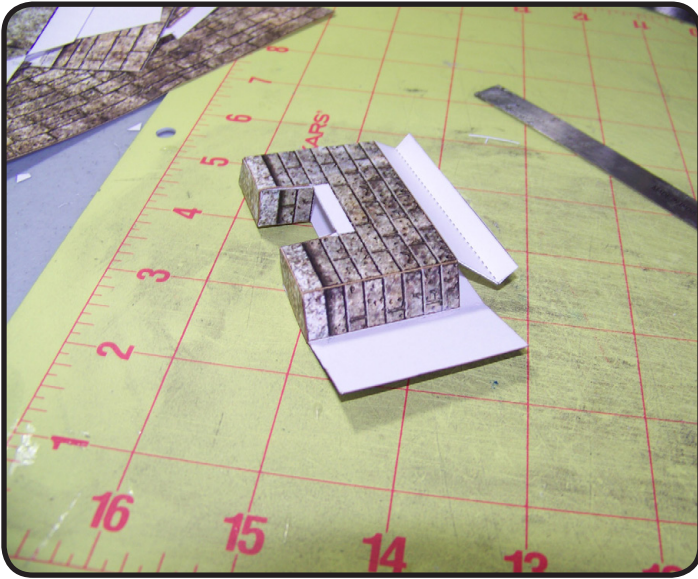


5: Next glue a side flap as shown.

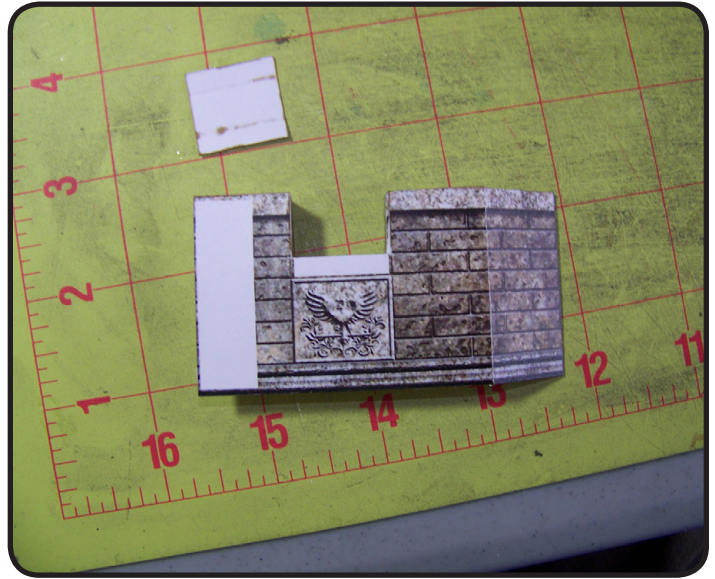


6: Now glue the opposite side.

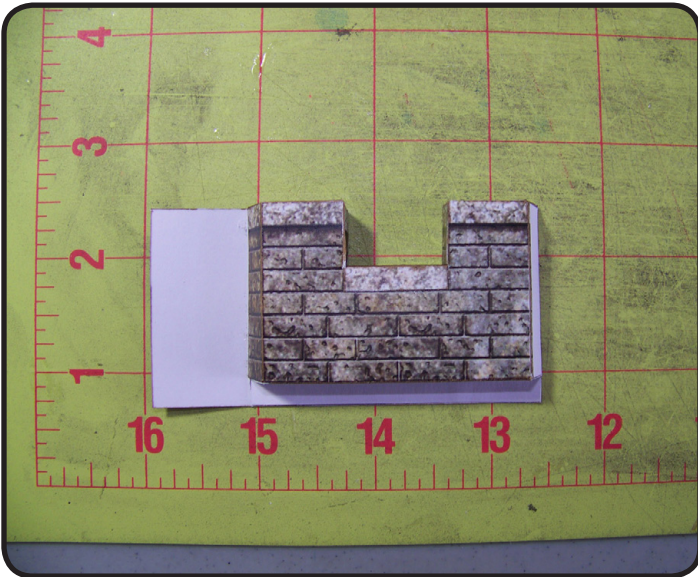




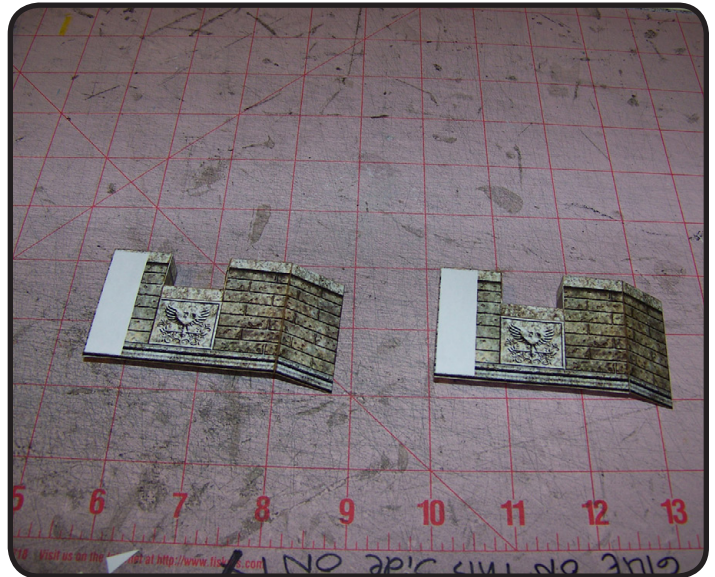
7: Next glue the bottom flap into place.



8: The last step is to apply the cap piece that covers the center gap.



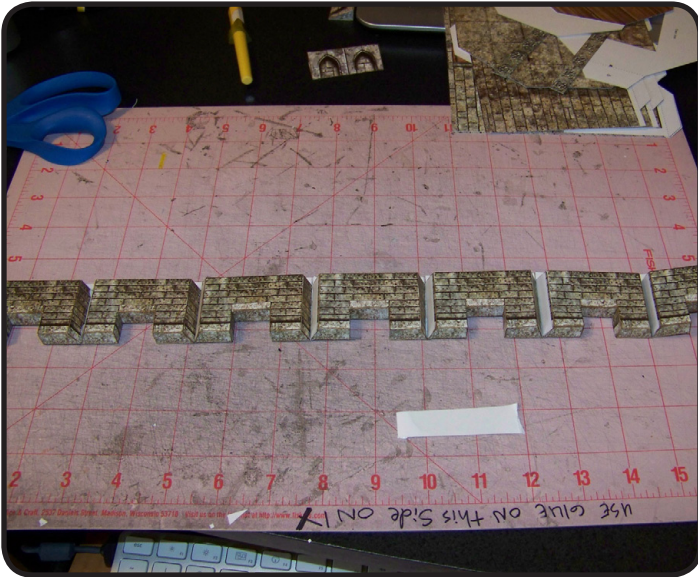
9: Glue into place as depicted above.



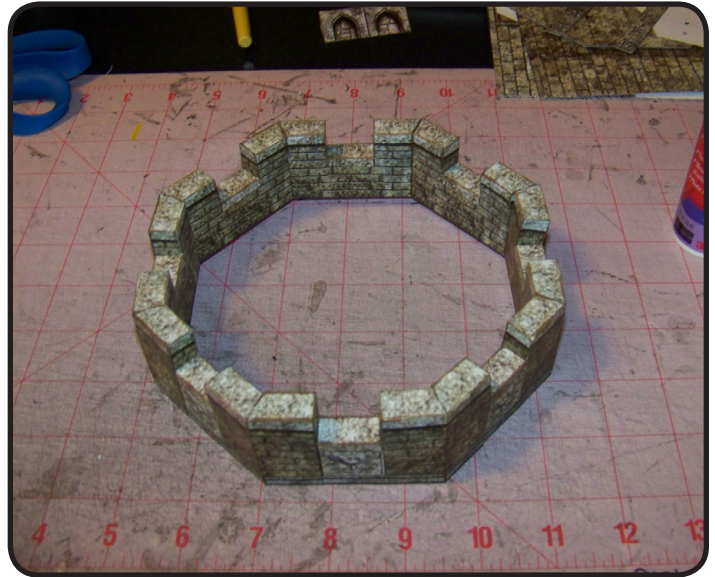
10: See, that was easy (even Werewolf8 could do it!\*)

\*Visit the FDG forums to find out who Werewolf8 is... if you dare!





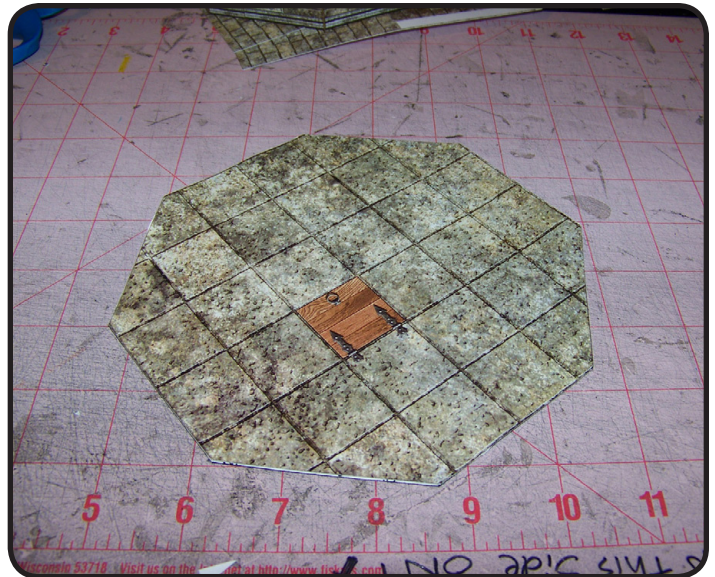
11: Glue all eight of these into a strip.



12: Apply a small amount of glue between each section where they meet and fold into an octagon. It will be best to turn the piece upside down against a flat surface so you can hold it flat and make sure it doesn't twist.



13: Cut the two floor pieces.

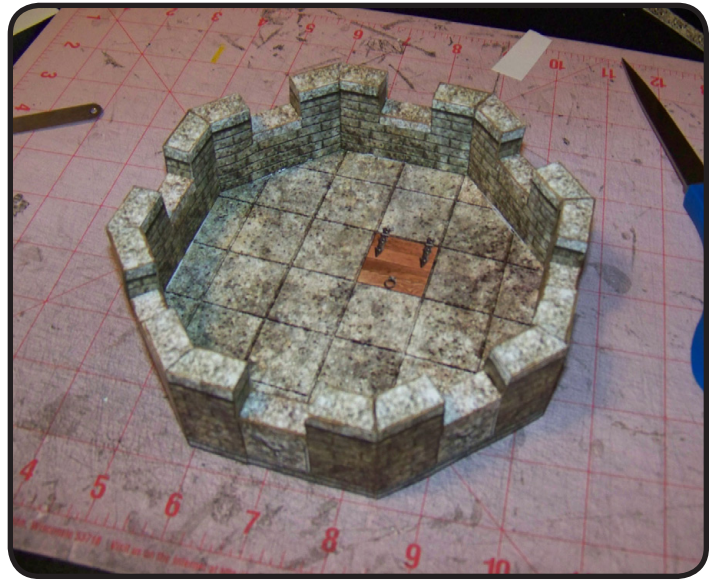


14: Glue them together as shown above. You might want to put something heavy on top of it to make sure the floor dries flat.

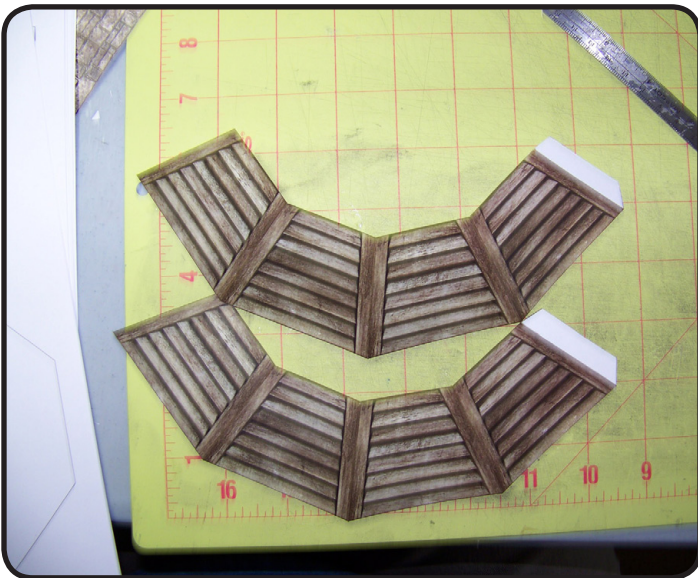




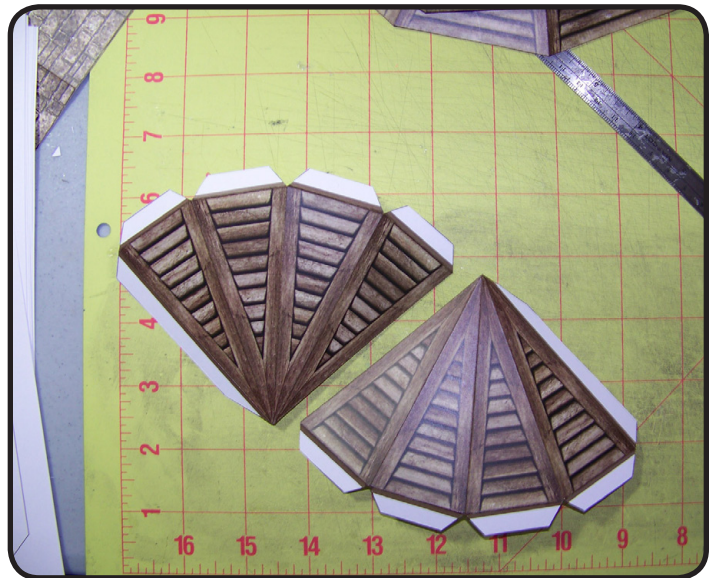
15: Glue the finished floor to the bottom of the crenelation piece.



16: There it is!

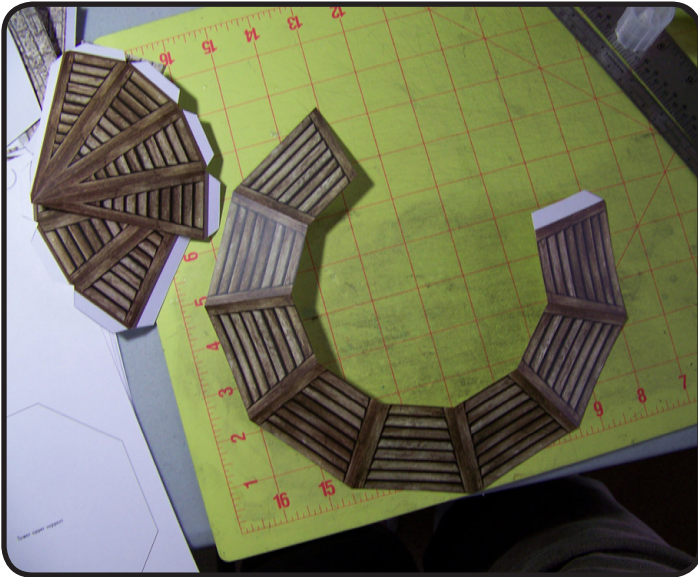


17: The final piece is the tower roof, which is optional. Cut and score the lower ring as shown.

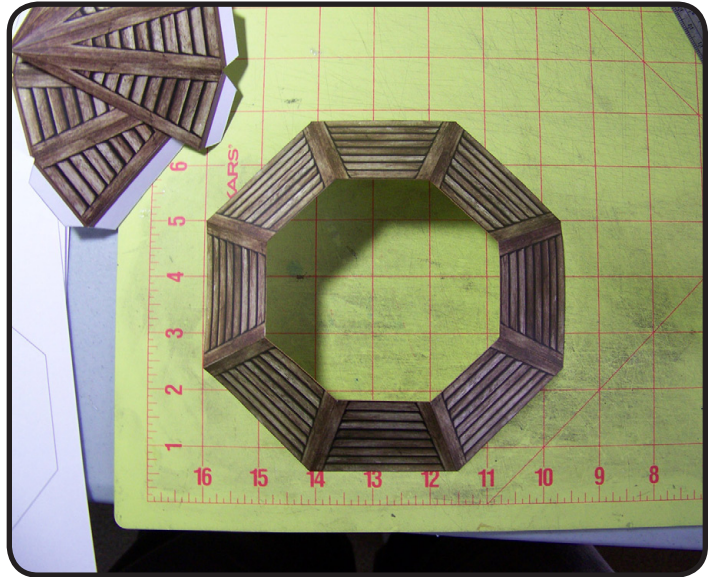


18: Cut and score the upper peak.

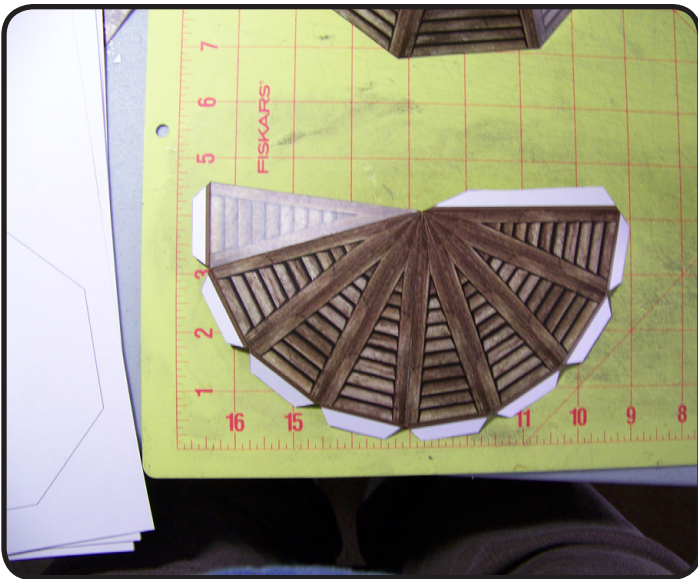




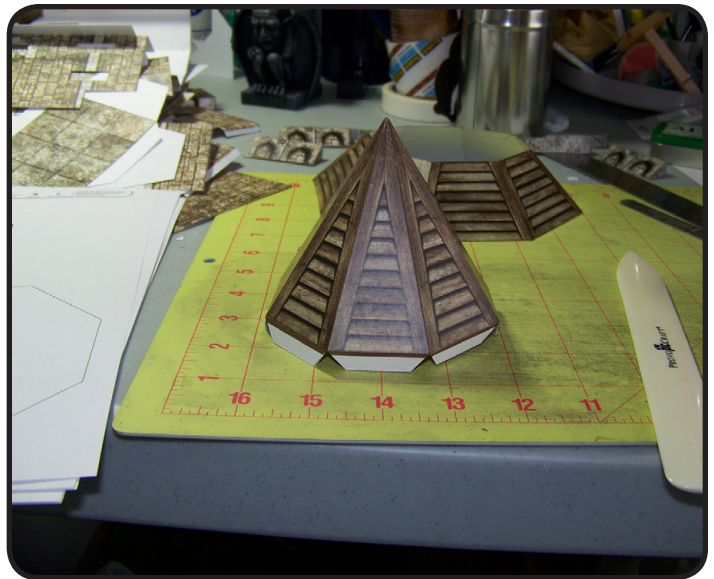
19: Glue two sides of the lower ring into one long piece.



20: Finish by gluing the remaining ends.

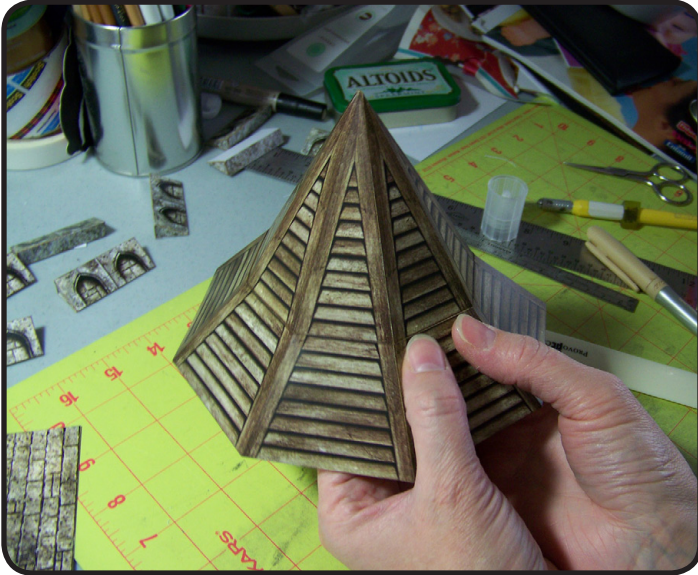


21: Glue the two peak sections together.

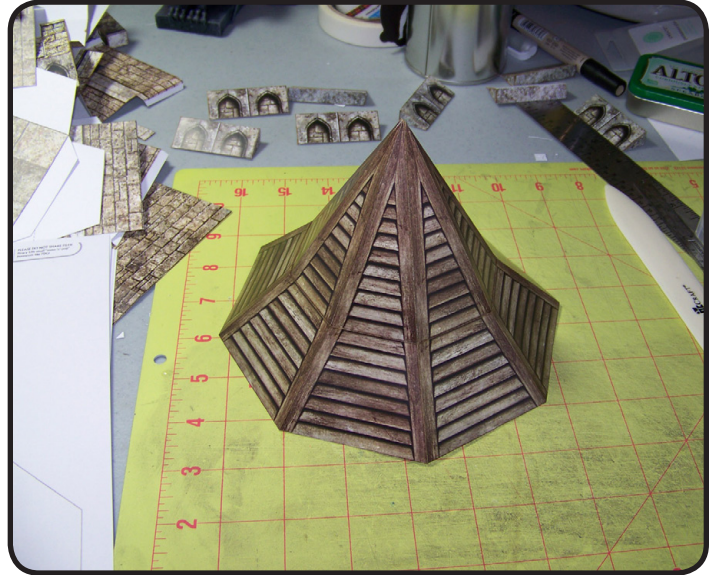


22: Glue the remaining tab forming a point.





23: Begin gluing the upper section to the lower section one tab at a time.



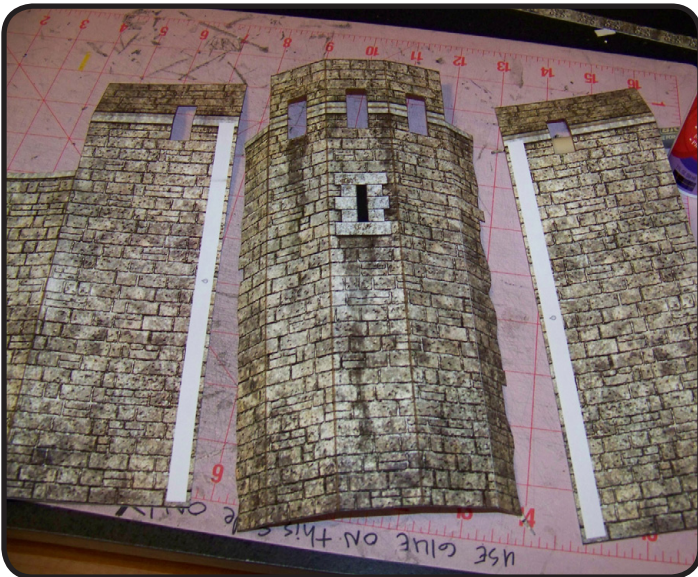
24: The finished tower roof.



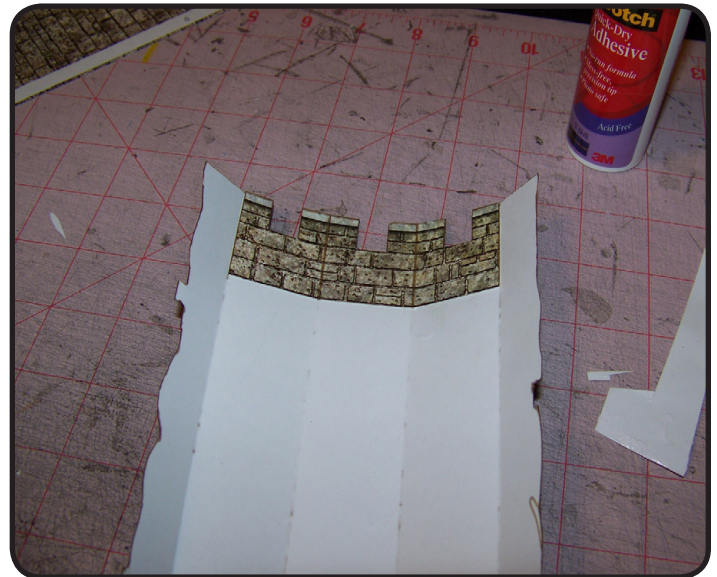


## Gatehouse

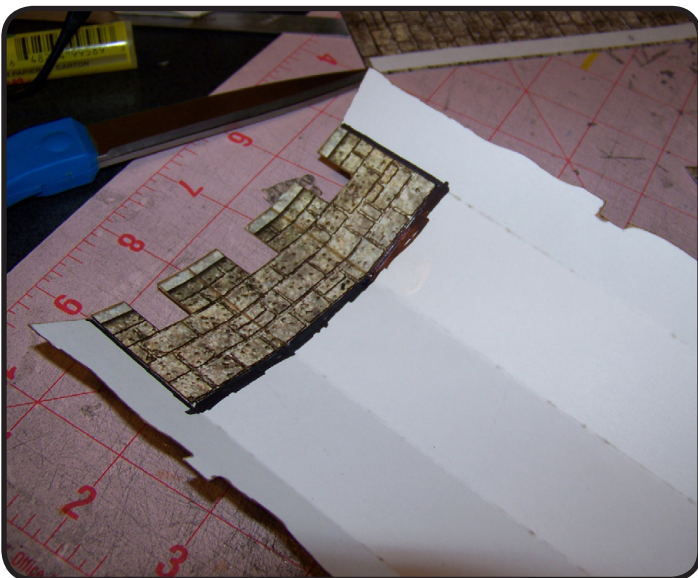
The gatehouse is comprised of three sections, the center gate and two outer mini-towers. For those that want 3D crenelations, we have included a prototype tower with them, but we have opted to use the 2D style for the gatehouse due to the complexity of the 3D version. Experienced modelers should have no problem with them as they assemble essentially like the tower cap crenelations, except they are much smaller.



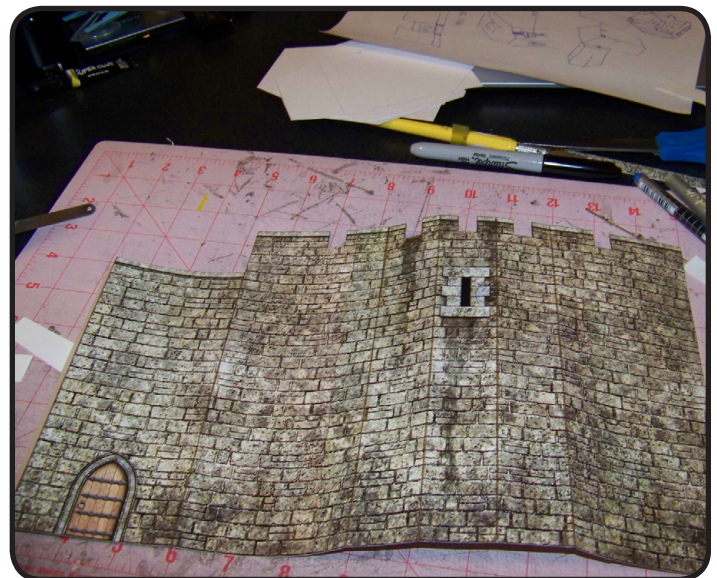
1: Popolare del taglio, del segno e della prova...



2: Fold the upper crenelations over and glue.

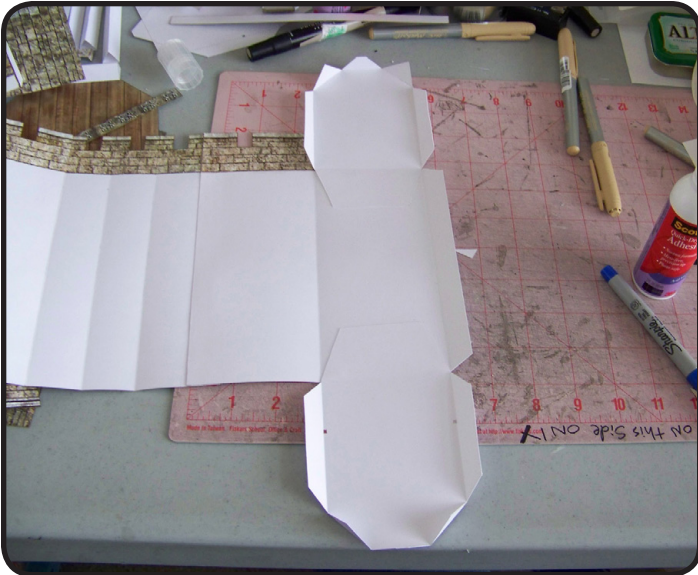


3: Edge around the lower edge where the floor will meet the interior face in case there are any gaps once glued.

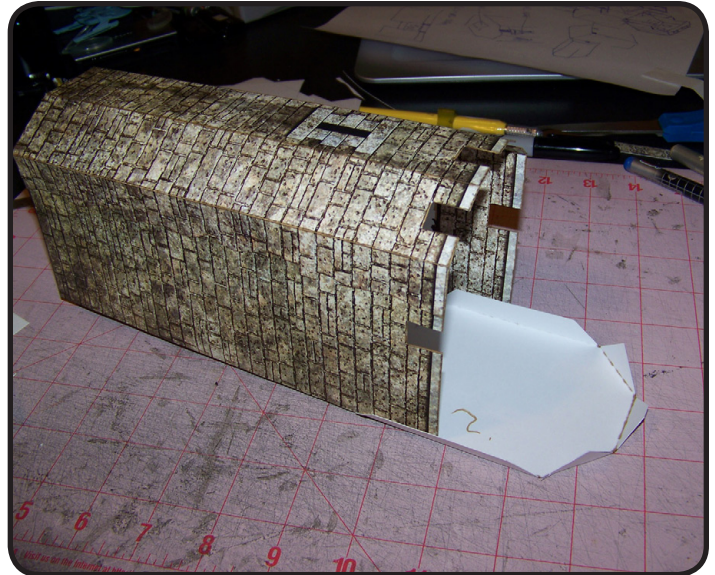


4: Repeat for all three sections and then glue them together.

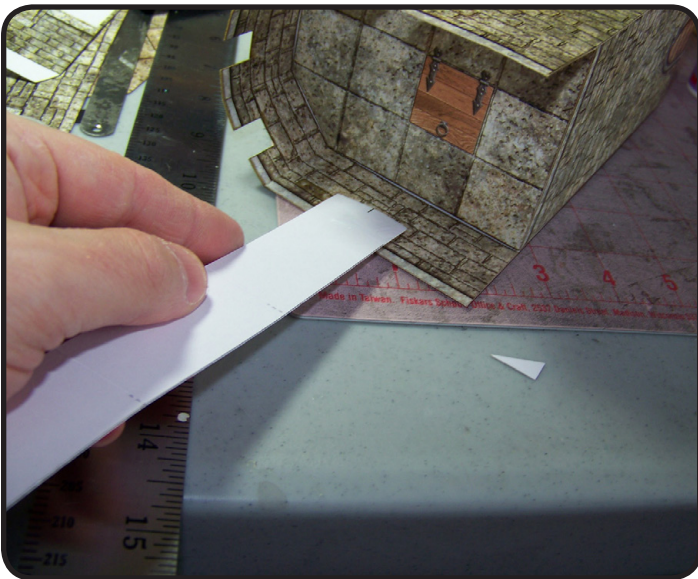




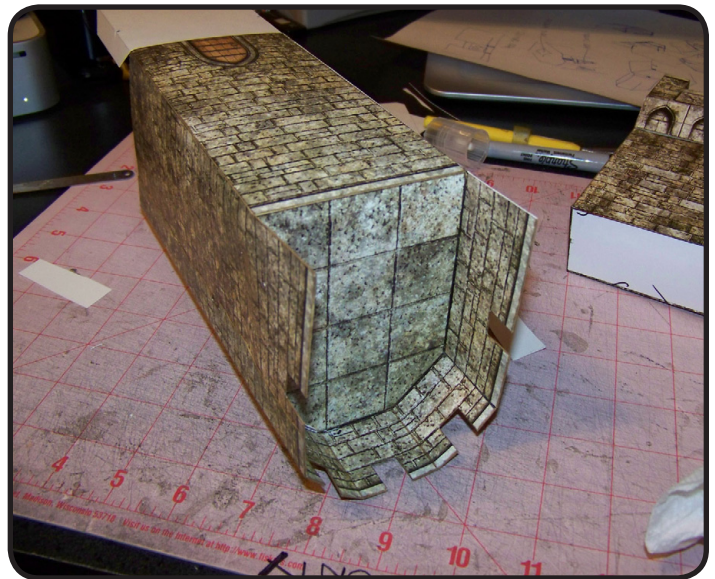
5: Glue the upper and lower pieces to the side walls.



6: You will glue the upper flap first. Apply glue to the center forward tab only. Fold into place and allow to dry.

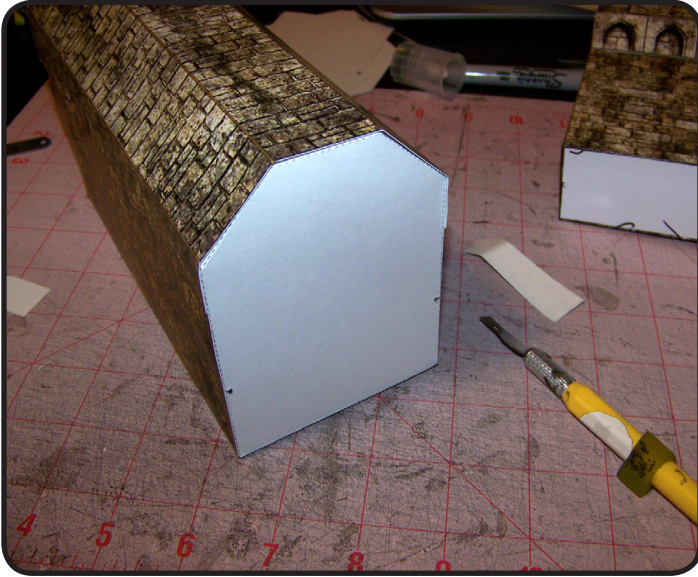


7: Use a scrap of paper to apply glue to the remaining tabs.

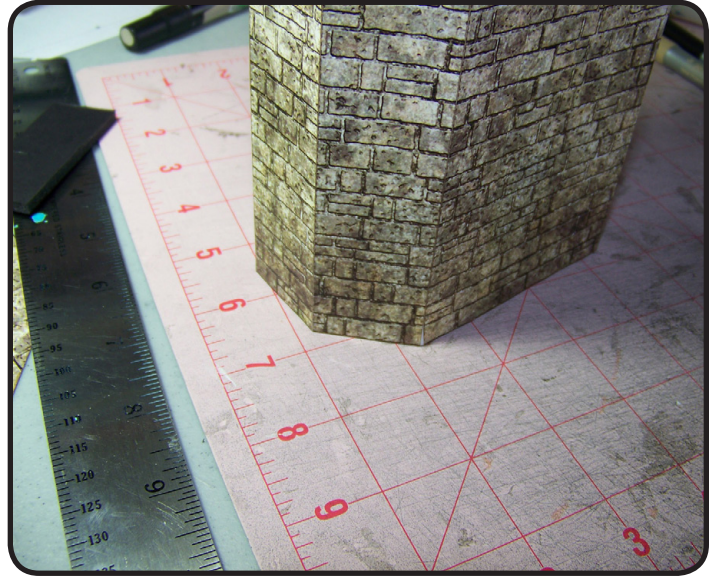


8: The finished upper side.

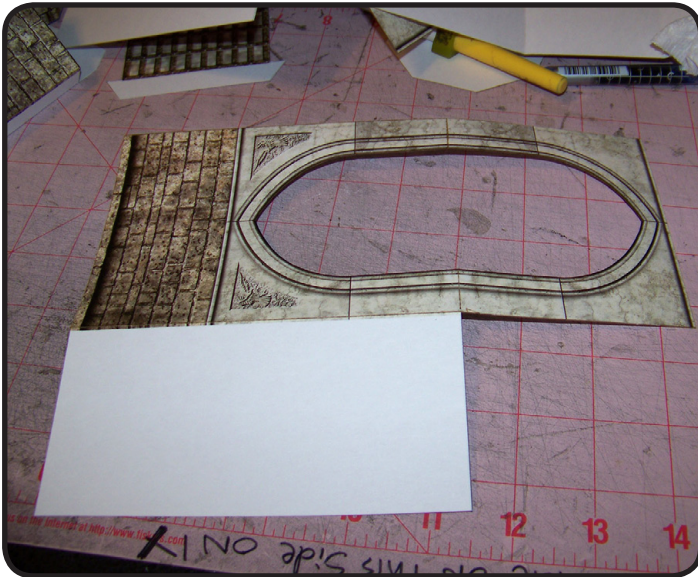




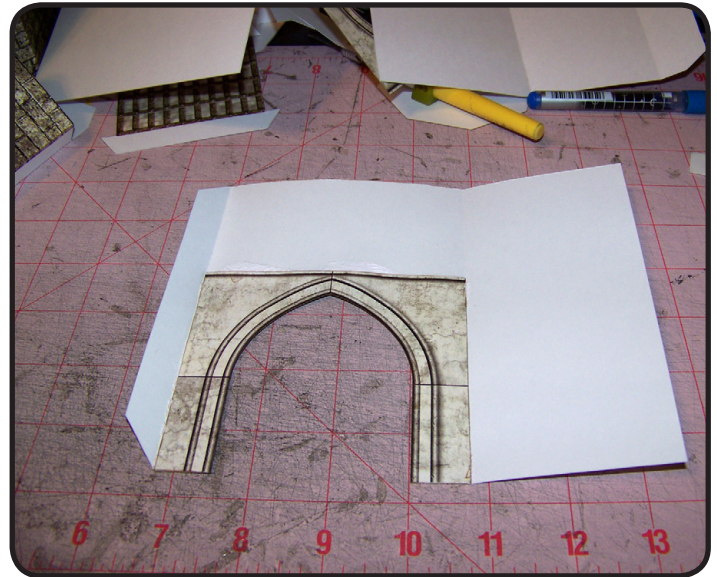
9: Glue the lower side flap into place.



10: As the lower flap is drying, set against a flat surface so it glues flush with the lower edges of the side walls.



11: The center gatehouse is essentially a large box with two smaller boxes inside of it. The large box is comprised of two nearly identical pieces.

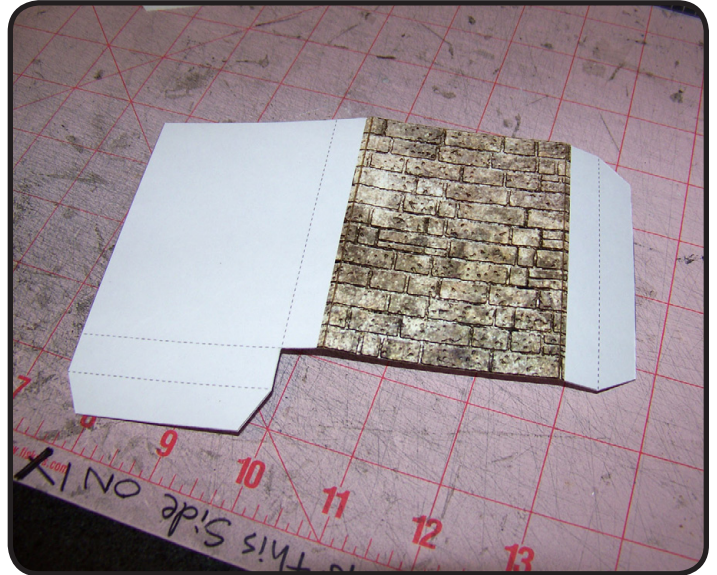


12: Fold and glue the interior face.

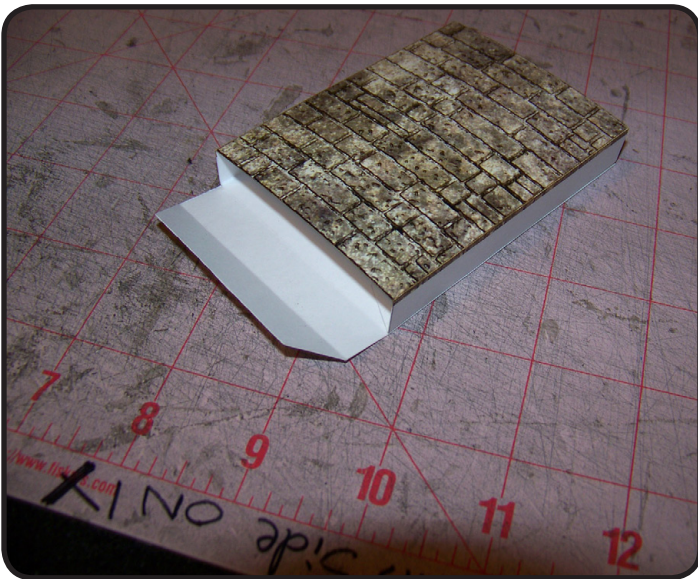




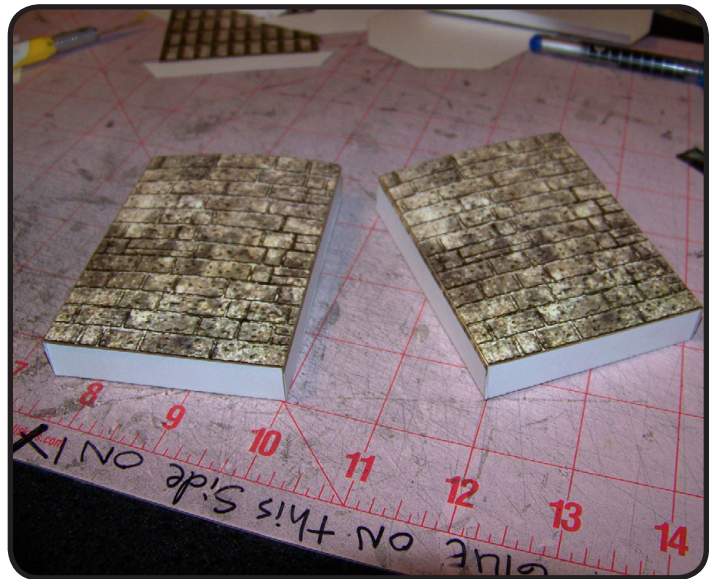
13: This is the interior gate roof. Fold in half and glue, but make sure the two rectangular slots are cut open first.



14: Cut and score the interior support boxes.

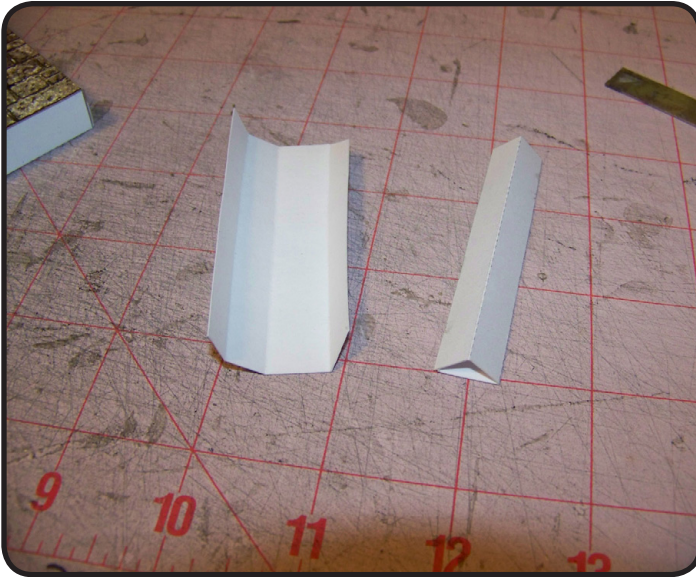


15: Glue the long side tab first.

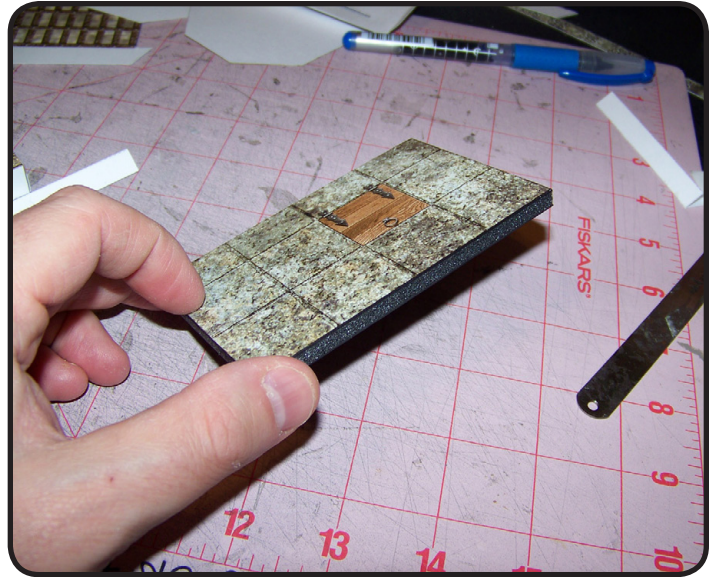


16: Glue the bottom flaps last and set aside to dry.

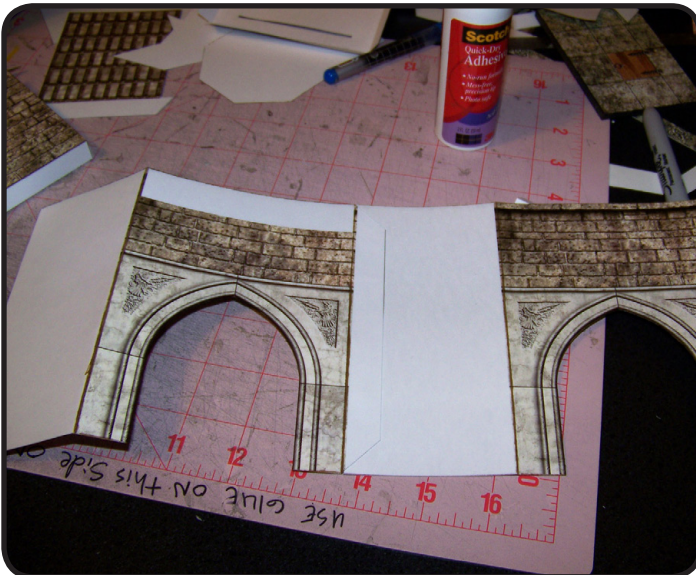




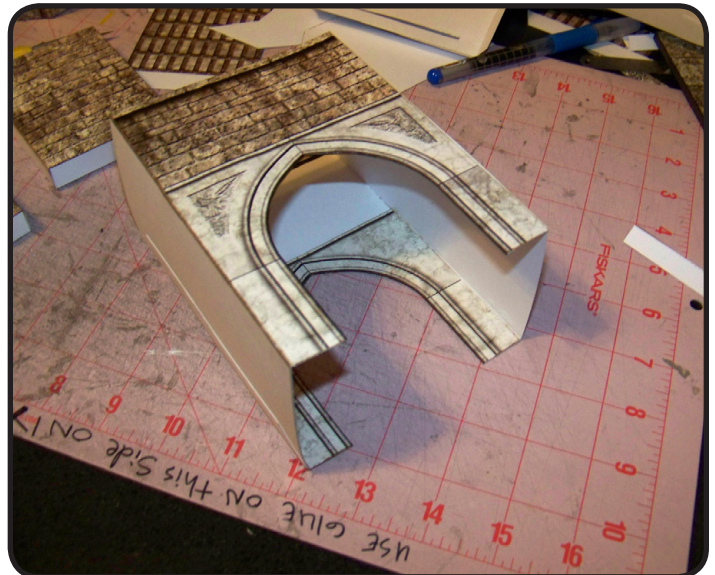
17: The removable roof section require two support strips to be glued inside the main structure. Fold and glue as shown.



18: Glue the roof to a piece of foamcore.



19: Glue the two main pieces together.

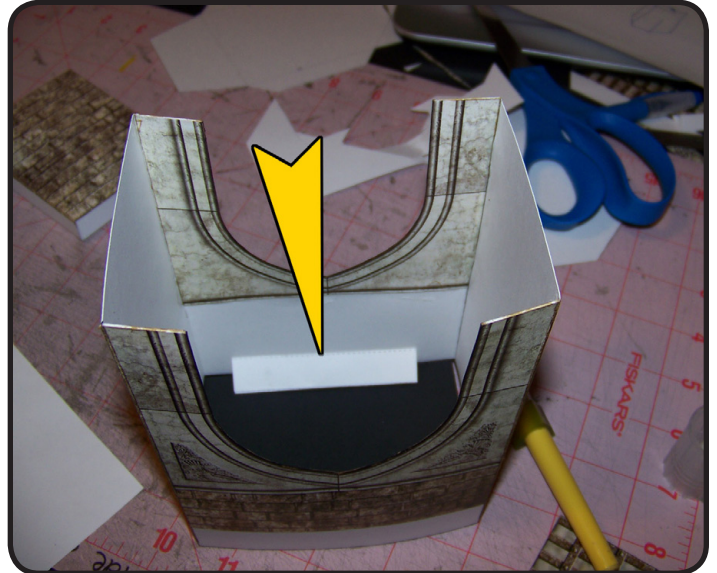


20: Fold into a box and glue the last remaining side.

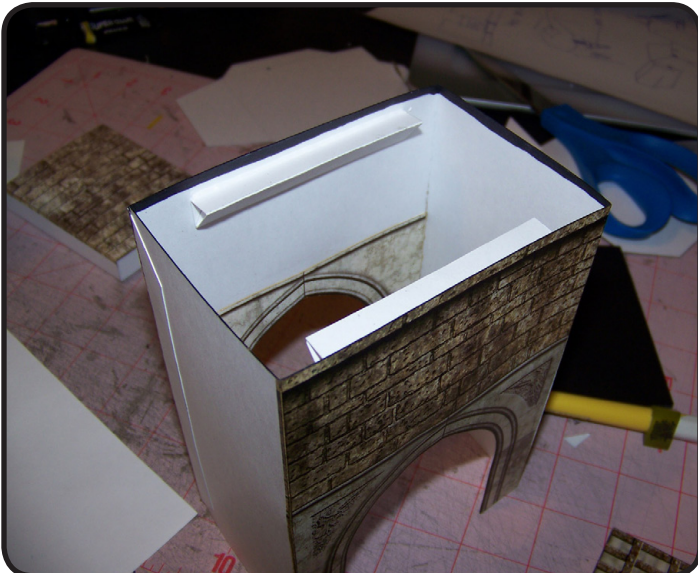




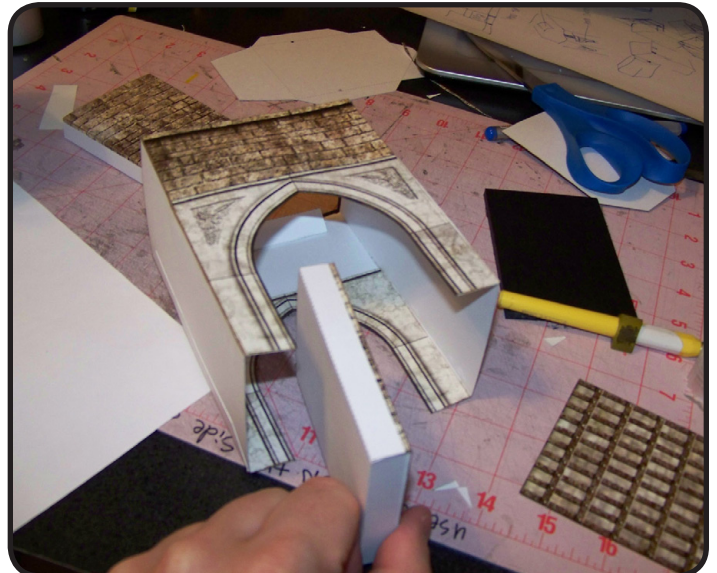
21: Flip upside down and insert the roof piece as shown (do not apply any glue.)



22: Insert and glue the support pieces to the inside walls of the gate house, NOT TO THE ROOF! The roof is simply in place at this point to allow you to correctly space and glue the supports.

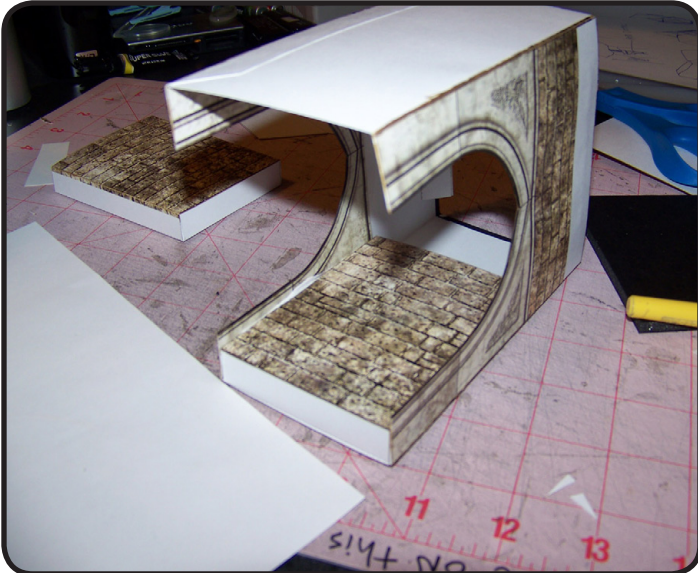


23: This is what it should look like with the supports glued into place.

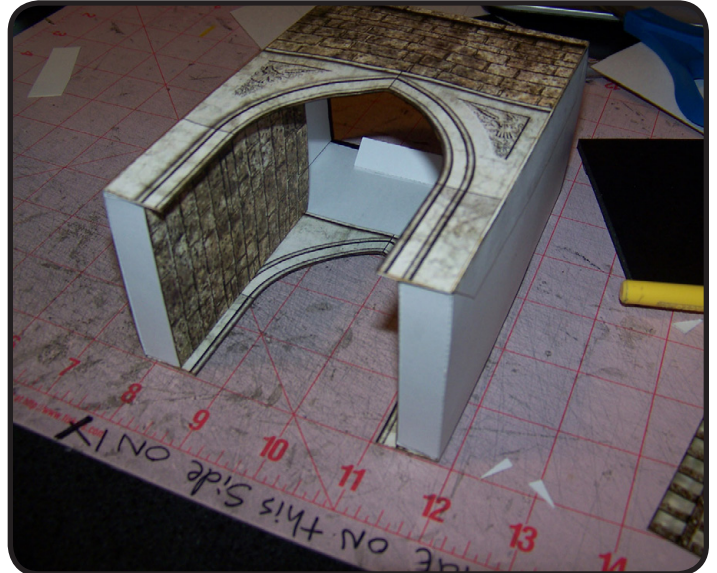


24: Next glue the two support boxes inside the main gatehouse.





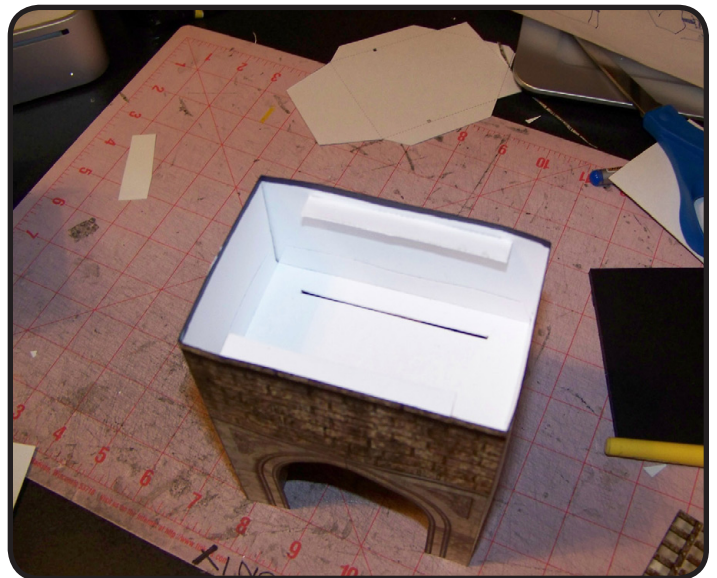
25: Make sure to glue them as tightly to the interior sides as possible.



26: While they are drying, make sure the boxes glue flush with the bottom edges of the gatehouse.



27: Insert the interior gate roof as shown. The slot should be toward the front of the gate (the side the crenelations go on.) The roof supports will be in the way, so insert this piece at an angle to get past them.

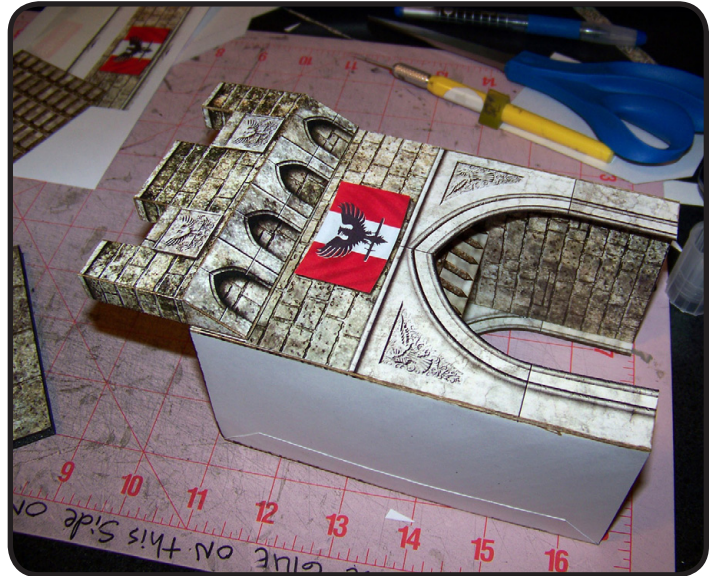


28: Glue into place and make sure it is flush with the tops of the interior support boxes.

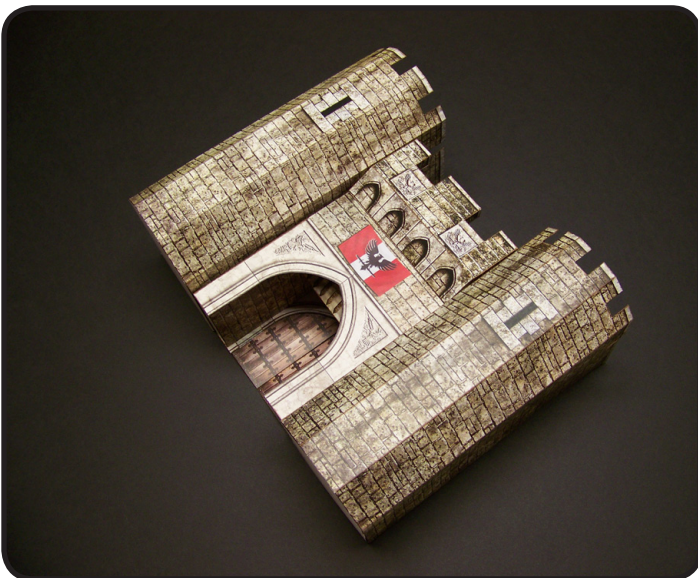




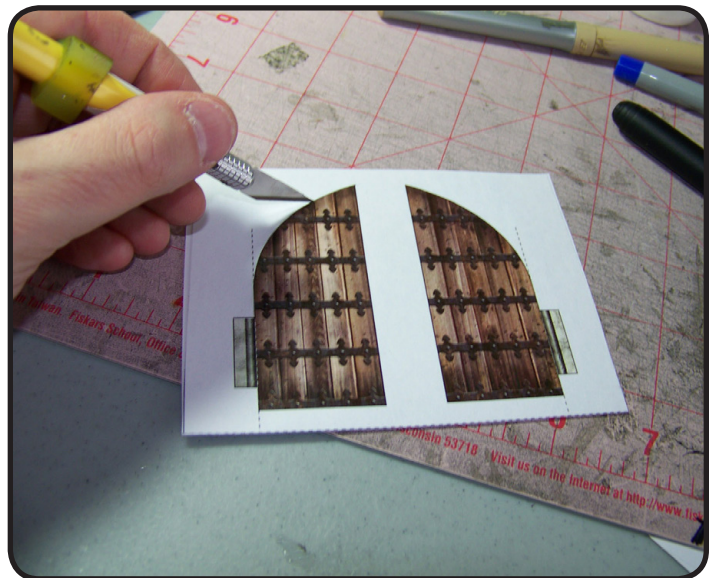
29: The portcullis comes in extended and raised versions. Simply swap them out as required.



30: Glue the crenelation to the front of the gate. The gatehouse crenelation is identical to the 4" wall crenelations, and the easy-build 2D wall crenelation can be substituted if desired.

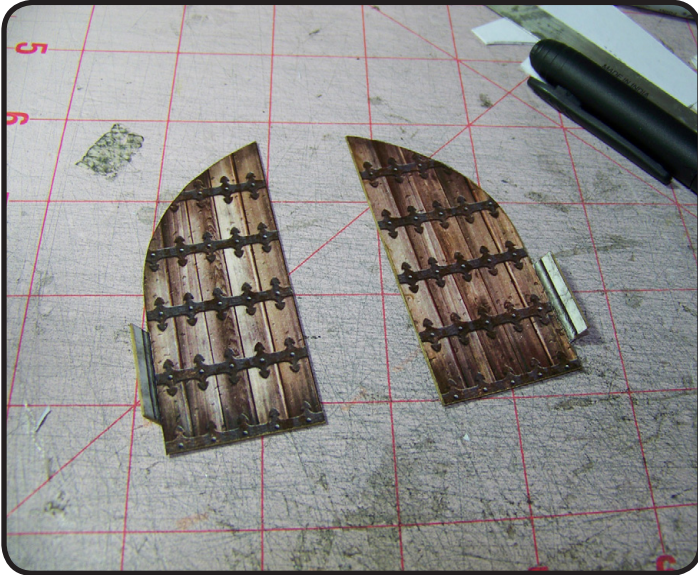


31: The finished gatehouse.



32: The rear gatehouse doors simply fold and glue in half.





33: Once dry, cut away the excess white areas.



34: Glue the tabs to the inside of the arch wall. Use a bobby-pin to hold in place as it dries.









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