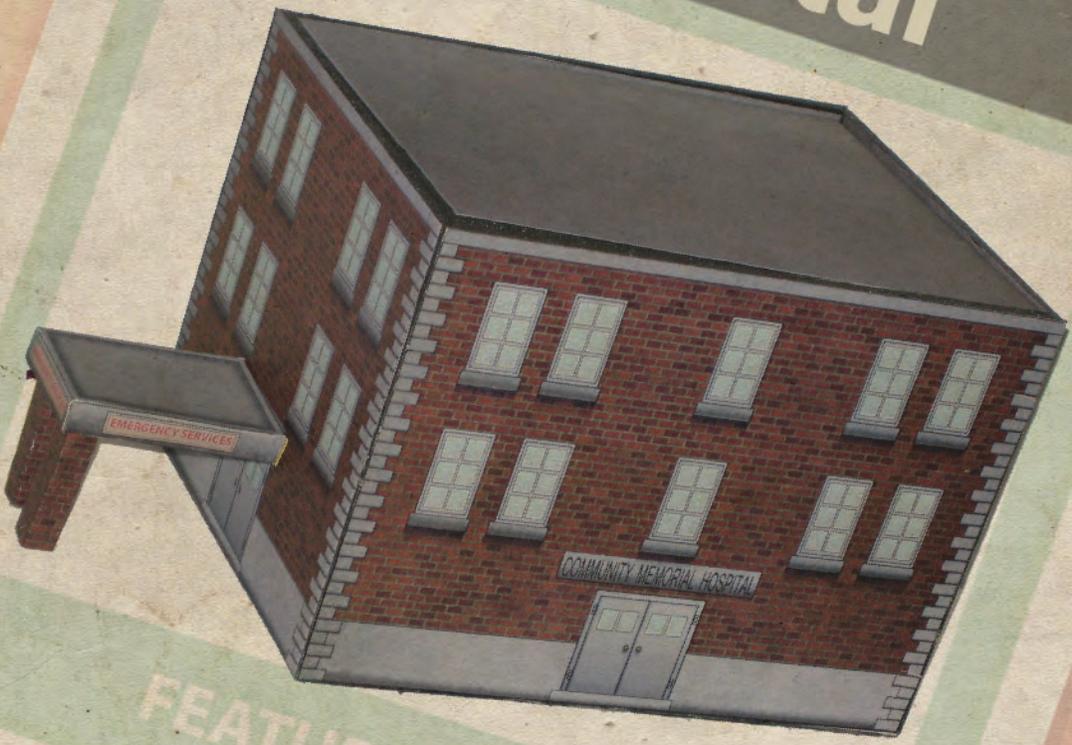


CLASSIFIED

HOMES

Hospital



FEATURED HOME

About this listing

A foamcore wargame terrain project suitable for 28-32 mm miniatures. Listed by

Stoelzel's Structures



FEATURED

About this listing

Asking price: \$5.00

Lorem ipsum dolor ante in

Classifieds

The neighboring health clinic, complete with emergency services and long term care. This commercial interest is a three story unit with 14 rooms, each fully accessible. This unit comes with beds, lockers, kitchen and bath fixtures.

Width: 10 inches

Depth: 7.5 Inches

Height: 7 inches



Build instructions: Health Clinic

Legal

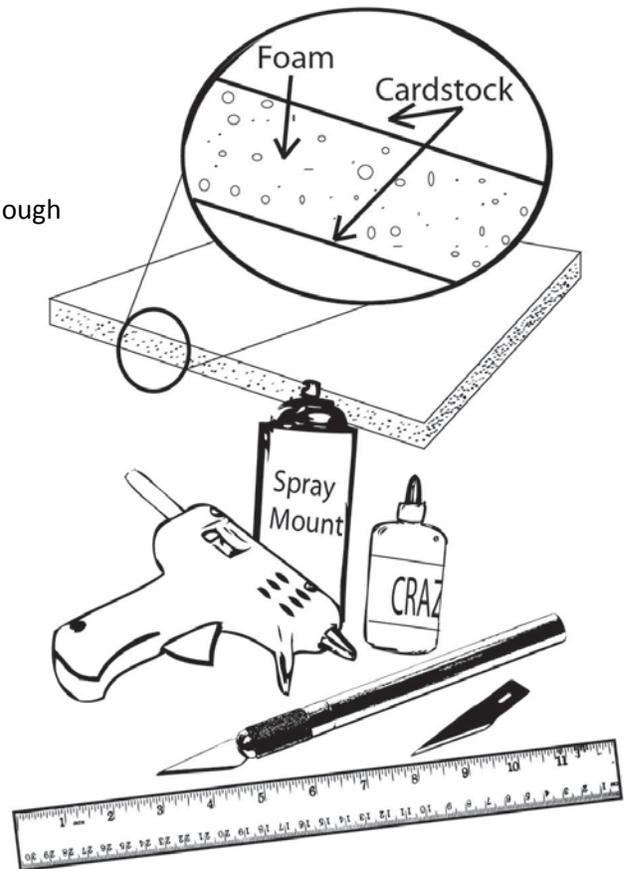
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Forward

Given a baseline level of difficulty as simple folded cardstock square buildings with at most 6 folds and three glue tabs, than this model is of intermediate difficulty. It was designed to be made primarily of foam core, and often requires the modeler to line up pieces of artwork on both sides. This model will take between one and two hours to build.

Materials

- 1 large sheet of 5 mm thick foamcore
- Thin Cardstock, a used cereal box should be about enough
- A straight edge (metal rule is preferable)
- A sharp blade (for example an X-acto knife)
- Gluegun and glue sticks
- Cyanoacrylate (Crazy Glue)
- Full sheet label paper (Optional)
- Spray mount and fancy printing paper(Optional)
- A Rabbet cutter (optional)
- A small (~5mm) chiseling blade (optional)
- Black magic marker (optional)



Techniques

Mounting

Most pieces of this building have images for the front and back of the foam core support structure. As such, great care should be taken when aligning the pieces. There are two options available to mount the artwork onto the foamcore.

The first option is to print out all the art files onto full sheet label paper. This provides a very simple assembly: peel the back and stick. However, the quality of full sheet labels can be hit or miss, and, in the worst cases, can lead to peeling terrain.

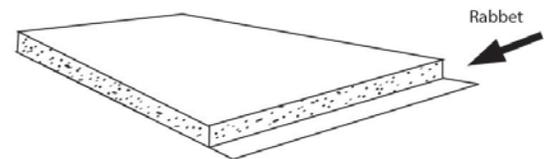
The second option is to use an aerosol glue like spray mount or photo mount. Generally these come in two types, a permanent fix and a temporary fix which lets you take the pictures back off later. The temporary fix glue is good if you don't trust your ability to align the two sides, but like the label paper CAN lead to peeling terrain down the road. It should be noted that both of these sprays is that they can be messy and smelly. Please follow all directions on product chosen.



Rabbeting

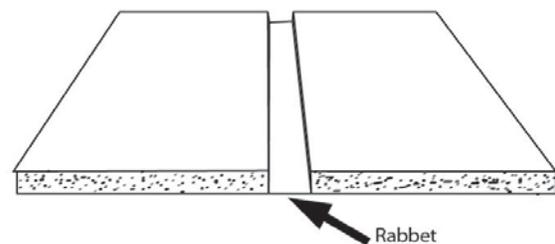
Sections which need rabbeting are indicated in the pictures by large blue boxes.

Making a rabbet on one of the pieces of foam, allows us to create a stronger joint when joining ends of two foamcore pieces. This is accomplished by creating a slot or groove to receive the edge of the other foam core piece. This ensures that the seam of the joint is surrounded on three sides. Rabbeting your corners and joints also helps hide exposed edges of foam.



A rabbet joint is made by cutting only partially through a piece of foam core while leaving the opposite side of card stock backing still intact. One must be careful not to cut all the way through, as this could ruin the images on the other side, and also make the piece un-useable.

T intersections where an end piece of foamcore butts up against another perpendicular piece of foamcore can be made stronger and smoother using an interior rabbet joint. These are a bit trickier, but not that difficult to do. An example can be seen here.



There are a lot of tools available online called foamcore rabbet cutters than can make doing rabbets somewhat easier for the modeler. These rabbet cutters fix the angle and depth of the cutting blade, thus preventing cut through. If you don't have a rabbet you can do these same cuts with a simple blade and a little care.

Build Instructions

1. First you should locate and cut out the four sides of the building (**B,C,D,E,F,G,H and I**) and the first floor (**A**).

The outer walls of the building have two separate art pieces each (for example **B** and **F** go together and **C** and **G** go together). Place one of these (**B**) on a piece of foamcore with the straight edge to one side. Once test fit for size, mount the picture on the foamcore. Using a straight edge as additional guide, cut out along the outer black lines to remove the piece.

Now that one side of the panel is attached, locate the corresponding piece (in this case **F**). Using the same straight edge that was used as reference before, place the art on the opposite and test fit it. Once you are happy about its placement, go ahead at mount it.

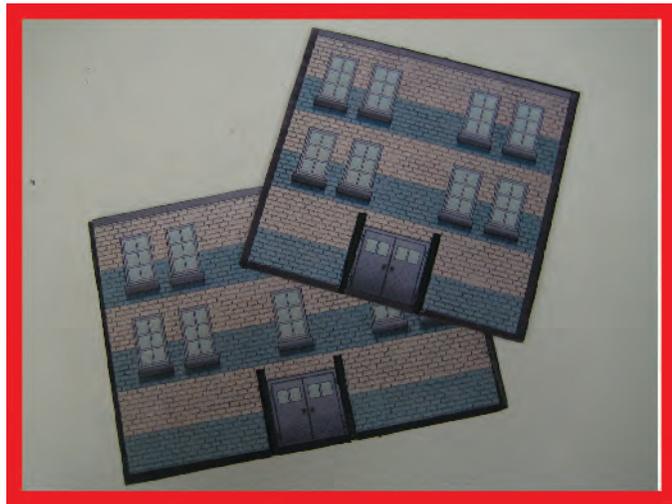
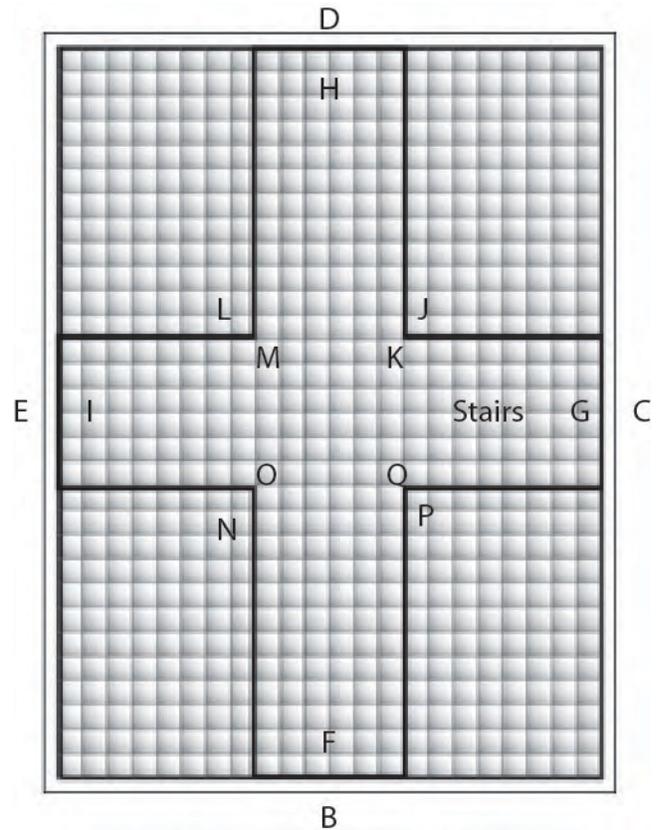
Repeat this process for the remaining three outer walls. Starting with the outside images (**C,D** and **E**), mount onto foamcore and trim along the outer black line. Then locate the corresponding inside images (**G, H** and **I** respectively) and mount on the opposite side.

If you wish to remove the windows and doors, now is the time to do it. Be sure to leave the window/door frames intact which cutting along the item.

Mount the floor onto a piece of foamcore, cut along the outer black line to remove.

2. Take each of the outer wall pieces (**B/F, C/G, D/H** and **E/I**). On two of these walls there are two blue borders on each side on the inside and these should be rabbeted leaving the cardstock on the outside of the piece somewhat (5 mm) longer than on the inside.

On each wall, there are two small blue boxes in the middle of the first floor that indicates an internal rabbet. These are a bit trickier. Cut along the side and top of the blue box without cutting all the way through. Using a chiseling blade or very carefully using a regular blade start to cut

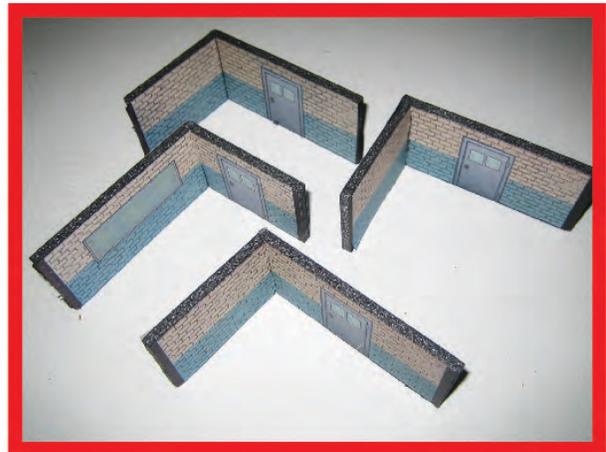


the foam block from the wall, working from the exposed bottom to the top. Gently pull away the foam as you work up.

3. Locate the eight -first floor interior wall images (**J, K, L, M, N, O, P** and **Q**). Again, these are paired so that one image is on each side of the foamcore. Mount L, J, N and P onto foamcore. Cut along the black outer line to remove. Locate the corresponding wall images (**K, M, O, Q** respectively) and mount on the opposite side of foamcore.

Each of these pieces has a blue box on one side indicating an interior rabbet. Cut along the side and top of the blue box without cutting all the way through. Using a chiseling blade or very carefully using a regular blade start to cut the foam block from the wall, working from the exposed bottom to the top. Gently pull away the foam as you work up.

To the side of each of these rabbets is a black box, and on the opposite side of the foamcore is a black line running vertically. This black line should line up with the edge between the rabbet and the black box seen on the other side. Fold along the black vertical line 90 degrees, so that the black box fits inside the rabbet. Once you are comfortable that the fold makes a nice 90 degree bend, use a glue gun inside the rabbet, fold it again, and wait for the glue to cool.



4. Now we are going to assemble the main structure of the building. Locate the four outer walls and the floor that you made in step 1, and the four interior walls that you made in step 3. Test fit the four building walls around the flooring (**A**). Once you are confident with the fit, go one corner at a time, and use the glue gun to in the rabbeted corner to its mate. After each corner is attached, recheck the fit the walls to the floor. Be sure to insert Piece **L/M** prior to gluing both side wall sections down (**G/H** and **E/F**).

Alternatively, you could use white glue to attach the walls. Use rubber bands to hold the walls together around the floor until the glue dries.

You should make sure all the interior walls are inserted into the interior rabbets on the outer walls, You may find it easier to place the interiors walls first, and then sliding the exterior walls down and over the edges of the interior walls when installing.



5. Locate the second floor flooring section (**R**) and the second floor interior walls (**S,T,U,V,W,X,Y,Z,aa** and **bb**).

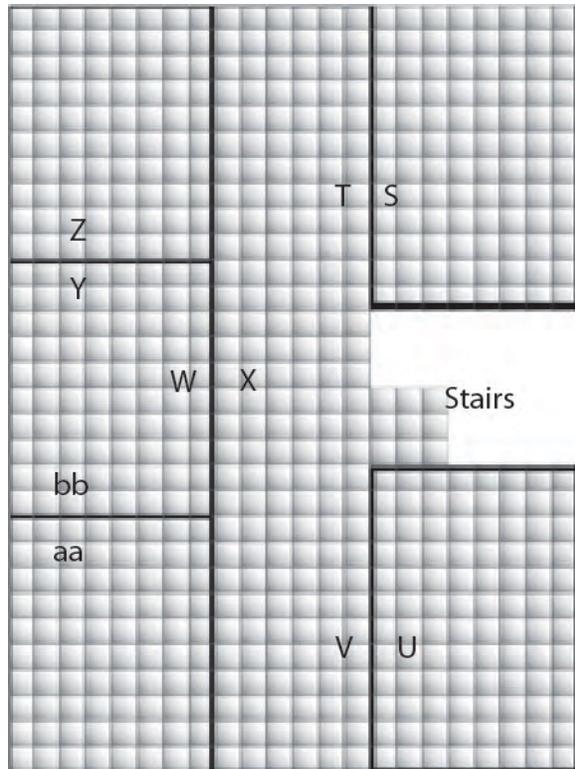
Mount the floor (**R**), and the following walls sections (**S,U, W, Z, and bb**), onto foam core. Cut along the black outer line to remove.

Take those five wall sections (**S,U, W, Z, and bb**) and mount the following images onto the opposite side (**T, V, X, Y** and **aa** respectively).

Take the three longer wall sections (**S/T, U/V** and **X/W**). Each of the pieces has blue boxes indicating interior rabbets. Cut along the side and top of the blue box without cutting all the way through. Using a chiseling blade or very carefully using a regular blade start to cut the foam block from the wall, working from the exposed bottom to the top. Gently pull away the foam as you work up.

Two of these walls sections (**S/T** and **U/V**), you will see to the side of each of these rabbets is a black box, and on the opposite side of the foamcore is a black line running vertically. This black line should line up with the edge between the rabbet and the black box seen on the other side. Fold along the black vertical line 90 degrees, so that the black box fits inside the rabbet. Once you are comfortable that the fold makes a nice 90 degree bend, use a glue gun inside the rabbet, fold it again, and wait for the glue to cool.

Locate the two shortest wall segments (**Z/Y** and **aa/bb**). Along one side of each of these



wall segments is a thick black edge. Glue this black edge into the rabbets found on one side of the longest wall segment (**W/X**)

Now, we assemble the second floor. First, you will need to check the fit of floor with the main building structure you assembled in step 4. The floor should fit loosely. Trim the edges until the you can place and remove the floor with ease.

Glue the three wall pieces (**S/T, U/V** and **W/X/Y/Z/aa/bb**) to the floor where the thick black lines indicate. Take care that none of the walls extend past the edges of the floor . Trim if needed prior to gluing down.

Recheck the fit of the floor to the main building structure to ensure in goes in and out of the building with ease.

6. Locate the third floor flooring section (**cc**) and the third floor interior walls (**dd,ee,ff,gg,hh,ii,jj,kk,ll, and mm**).

Mount the floor (**cc**), and the following walls sections (**dd,ff, hh, kk, and mm**), onto foam core. Cut along the black outer line to remove.

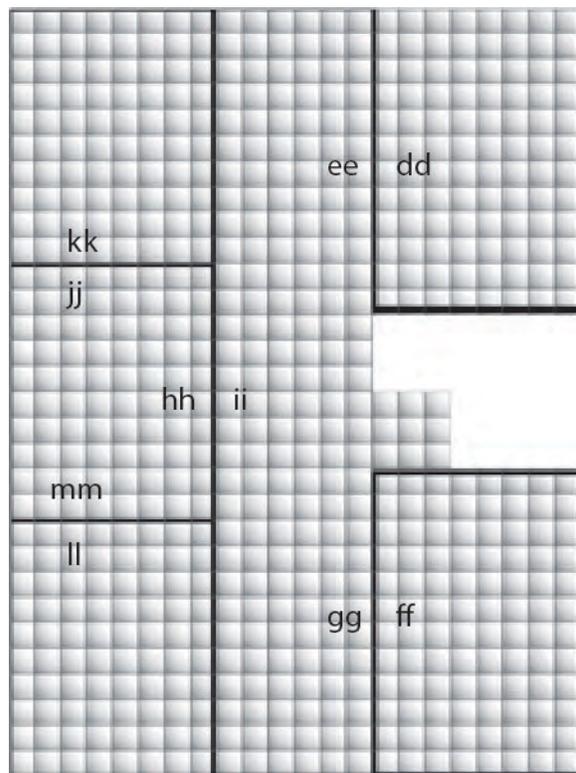
Take those five wall sections (**dd,ff, hh, kk, and mm**) and mount the following images onto the opposite side (**ee, gg, ii, jj and ll** respectively).

Take the three longer wall sections (**dd/ee, gg/ff** and **hh/ii**). Each of the pieces has blue boxes indicating interior rabbets. Cut along the side and top of the blue box without cutting all the way through. Using a chiseling blade or very carefully using a regular blade start to cut the foam block from the wall, working from the exposed bottom to the top. Gently pull away the foam as you work up.

Two of these walls sections (**dd/ee** and **gg/ff**), you will see To the side of each of these rabbets is a black box, and on the opposite side of the foamcore is a black line running vertically. This black line should line up with the edge between the rabbet and the black box seen on the other side. Fold along the black vertical line 90 degrees, so that the black box fits inside the rabbet. Once you are comfortable that the fold makes a nice 90 degree bend, use a glue gun inside the rabbet, fold it again, and wait for the glue to cool.

Locate the two shortest wall segments (**jj/kk** and **ll/mm**). Along one side of each of these wall segments is a thick black edge. Glue this black edge into the rabbets found on one side of the longest wall segment (**hh/ii**)

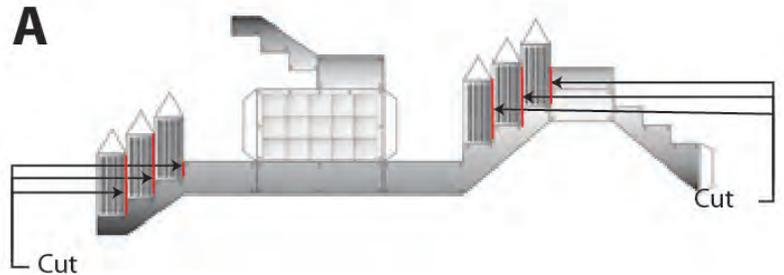
Now, we assemble the third floor. First, you will need to check the fit of floor with the main building structure you assembled in step 4. The floor should fit loosely. Trim the edges until the you can place and remove the floor with ease.



Glue the three wall pieces (**dd/ee**, **gg/ff** and **hh/ii/jj/kk/ll/mm**) to the floor where the thick black lines indicate. Take care that none of the walls extend past the edges of the floor . Trim if needed prior to gluing down.

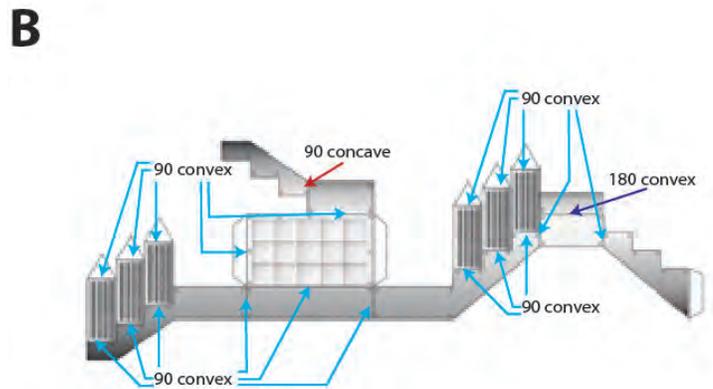
Recheck the fit of the floor to the main building structure to ensure it goes in and out of the building with ease.

7. Locate and cutout the roof piece (**nn**). Mount onto foamcore. Cut along the black outline to remove. This piece should not be glued down. A couple vents are provided in the furniture section to provide 3-dimensionality to the roof, but these are entirely optional.



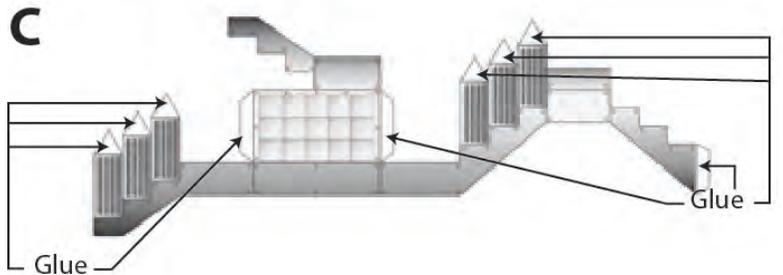
8. Lastly, you will need to assemble and install two set of stairs, one on the first floor and one on the second floor.

Mount the main stair assembly onto thin cardstock or print on heavy bond paper. Cut along the outer black line to remove.

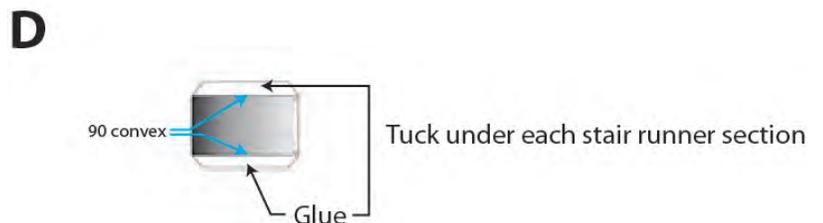


Cut in between each of the stair riser sections as indicated in panel A of the figure to the right.

Fold along the black lines where indicated in the figure. These folds should cause the two levels of stairs to wrap around and toward each other. Use the white tabs to glue the stair risers down. Lastly, there are two under panels. Use the white tabs and glue these under each set of stair risers.



Glue each stair assembly where indicated on the first and second floors.



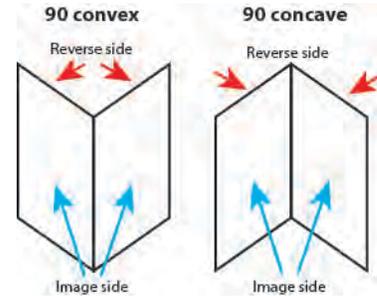
Furniture Build Instructions

Print the sheets of room fixtures on heavy bond paper. Some of the flat pieces such as paintings, window frames, door frames etc you might like to mount onto thick card. Most the furniture will be too difficult to fold on thick card.

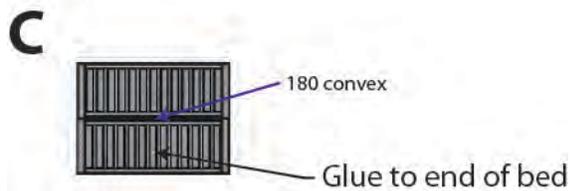
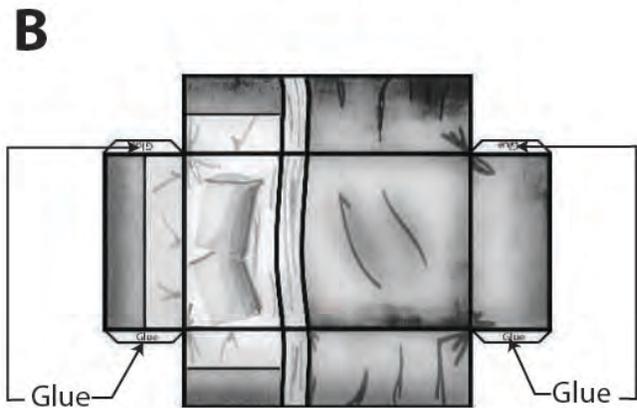
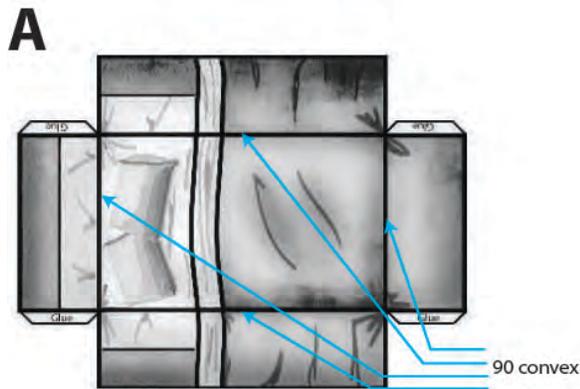
Cut out all your furniture and decorations. Draw around the edges of your cuts with black marker.

Fold along thick black lines. Use tabs to glue opposing sides of a piece or to glue a piece to the house.

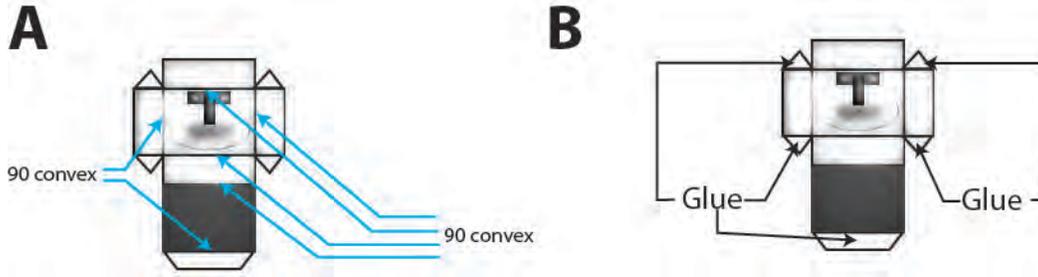
A note on folds: There are two main types of folds you will need to make: Convex and Concave. Convex folds refer to any fold (90 or 180 degrees) where the images remain on the outside of the fold surface. Or in other words, the two sides of the fold are pushed away from each other. Concave folds are done in the opposite direction, with the images being brought toward each other.



Beds

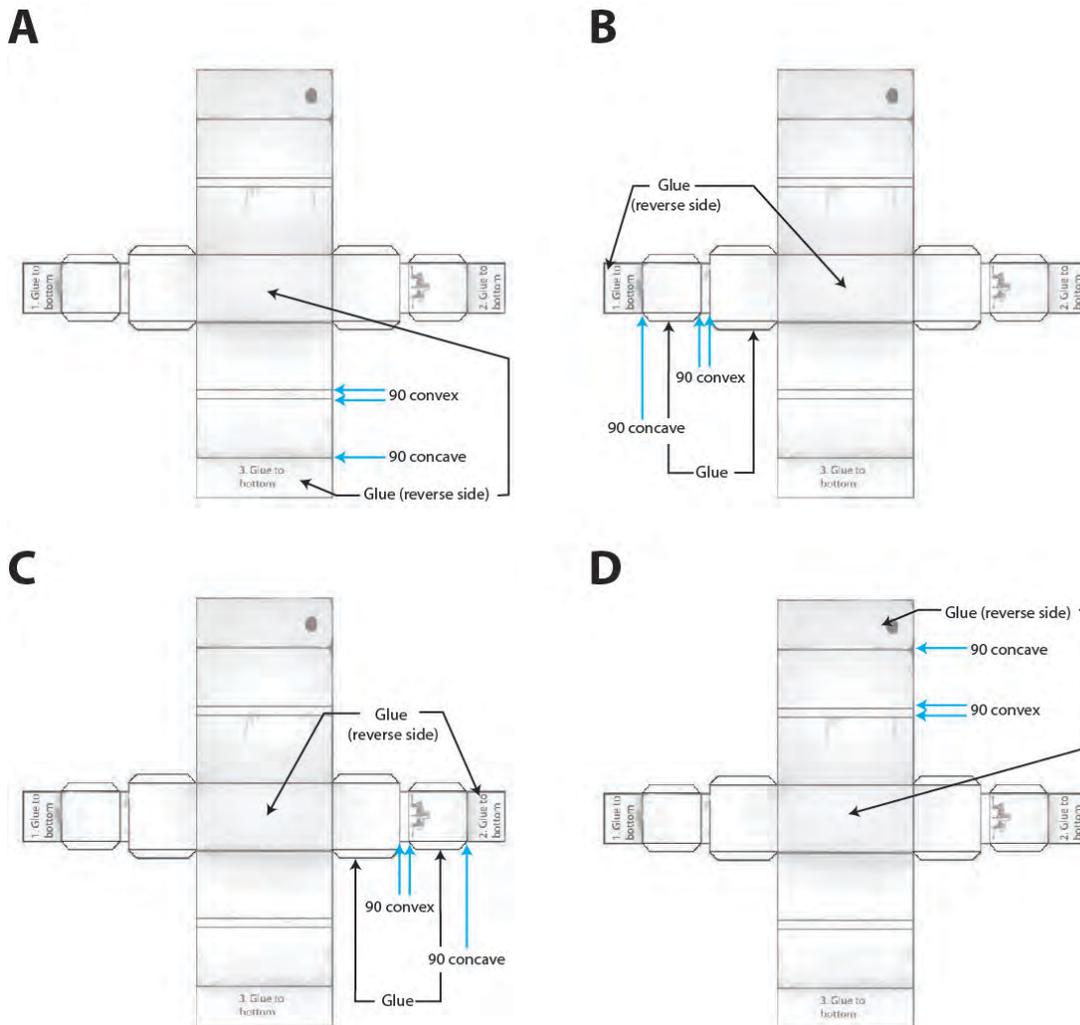


Sink

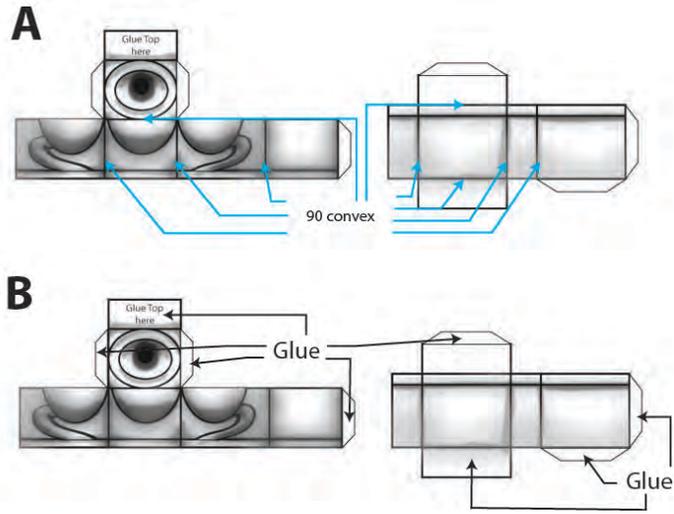


Attach to wall with Cyanoacrylate.

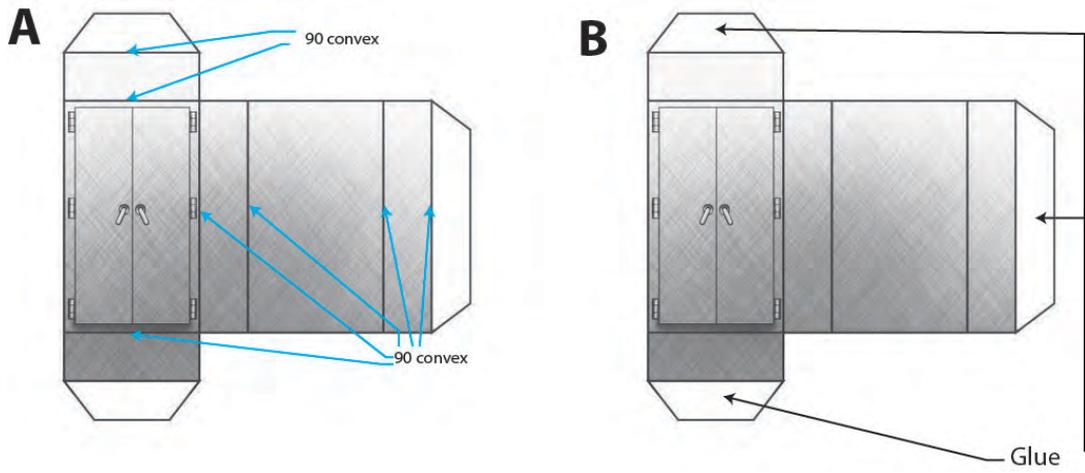
Bathtub



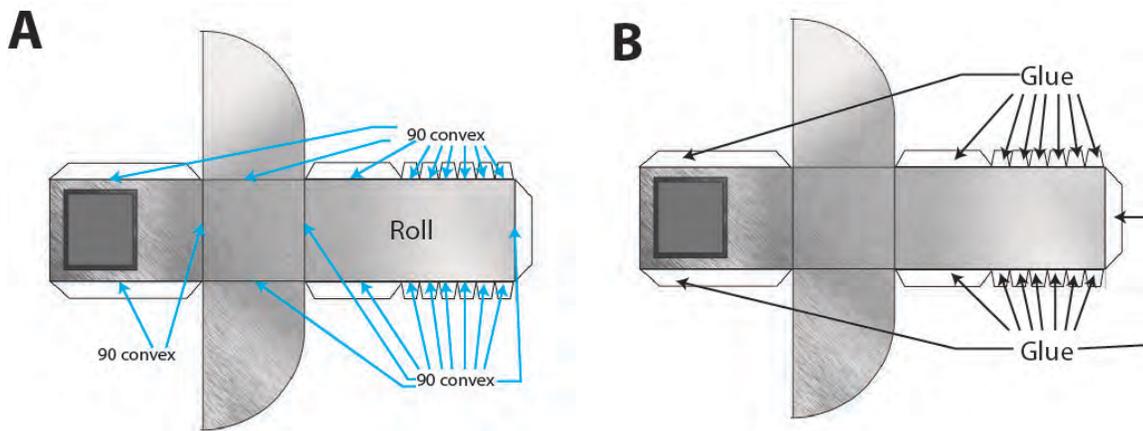
Toilet



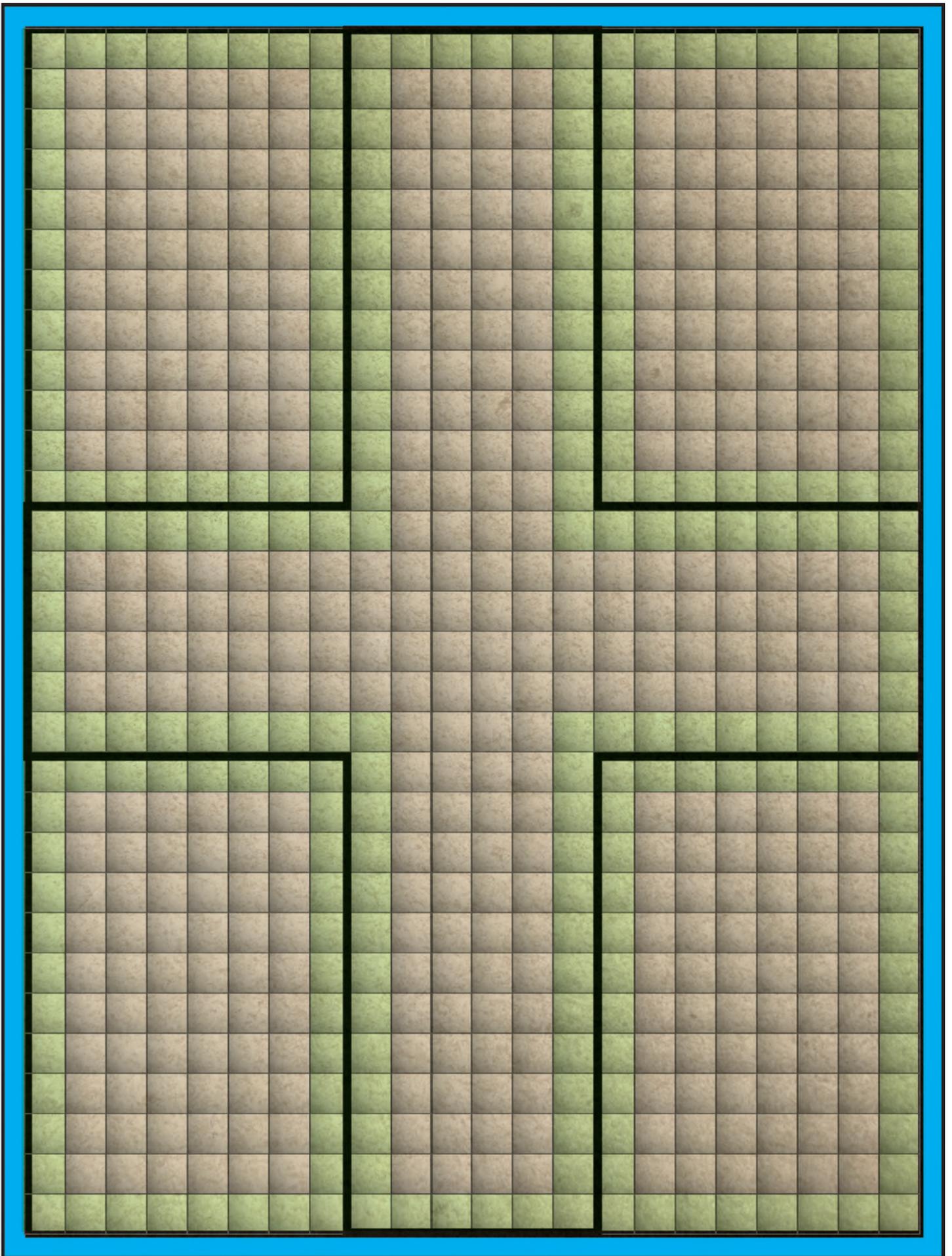
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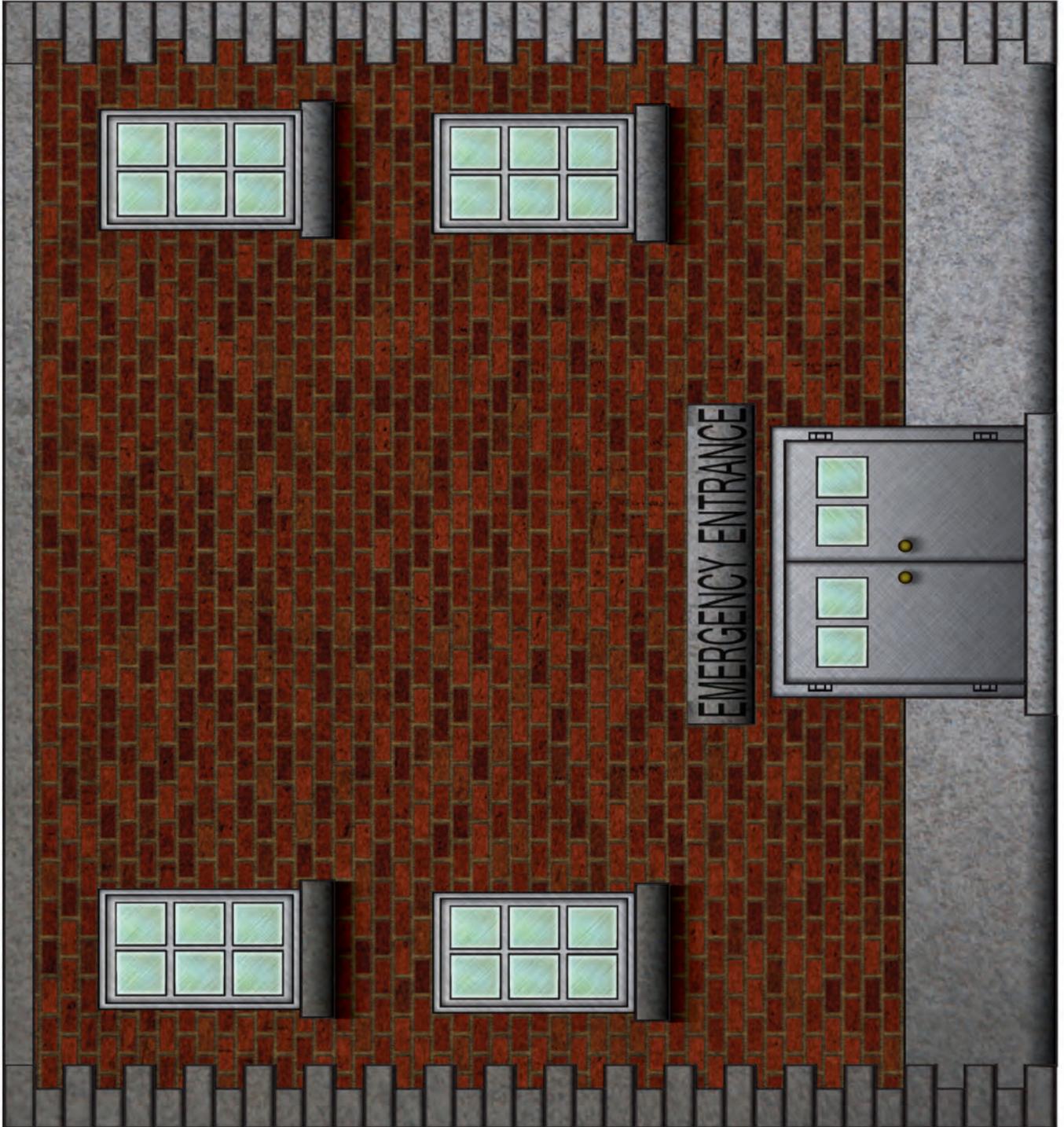
Ventilation exhaust



A



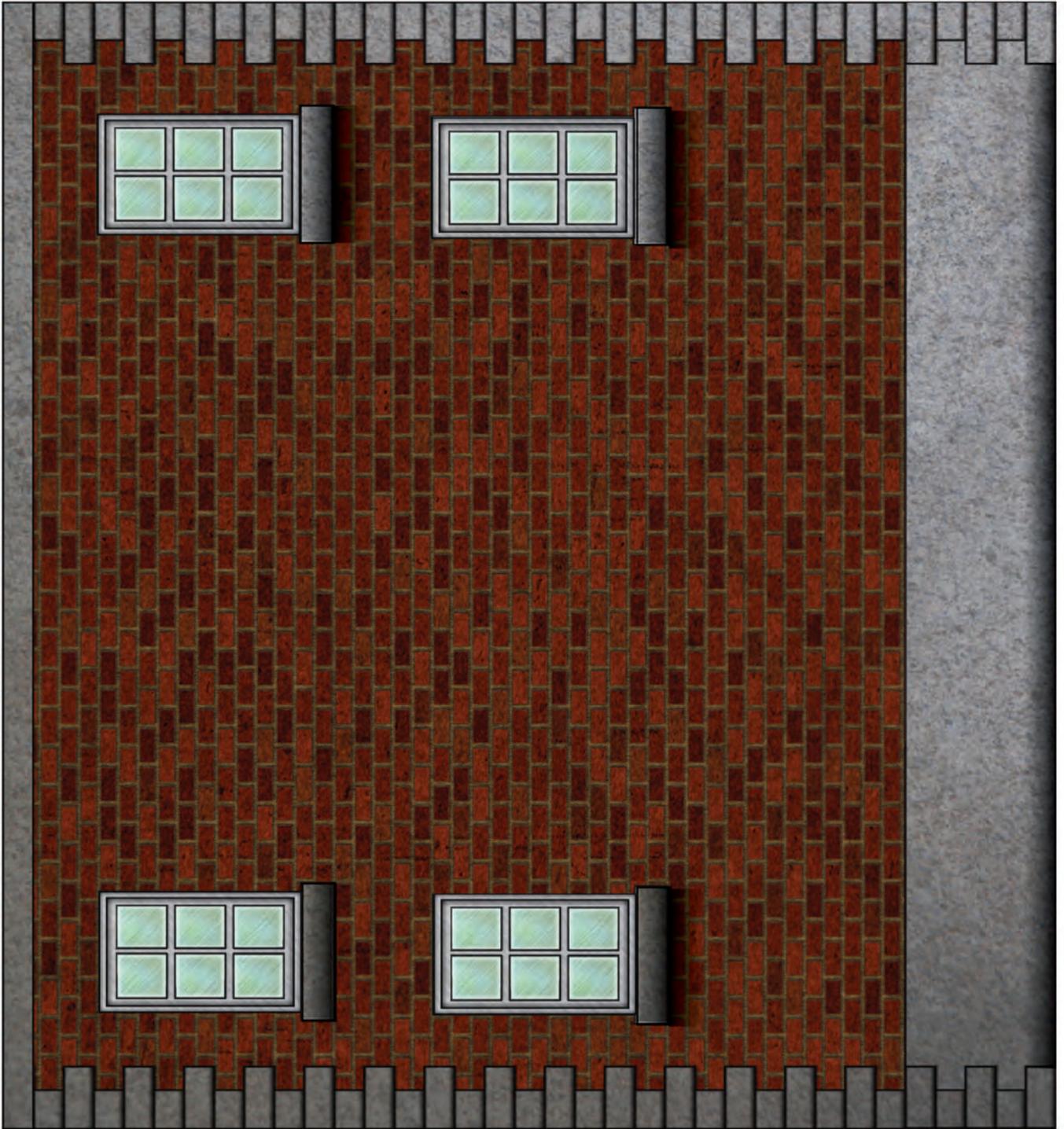
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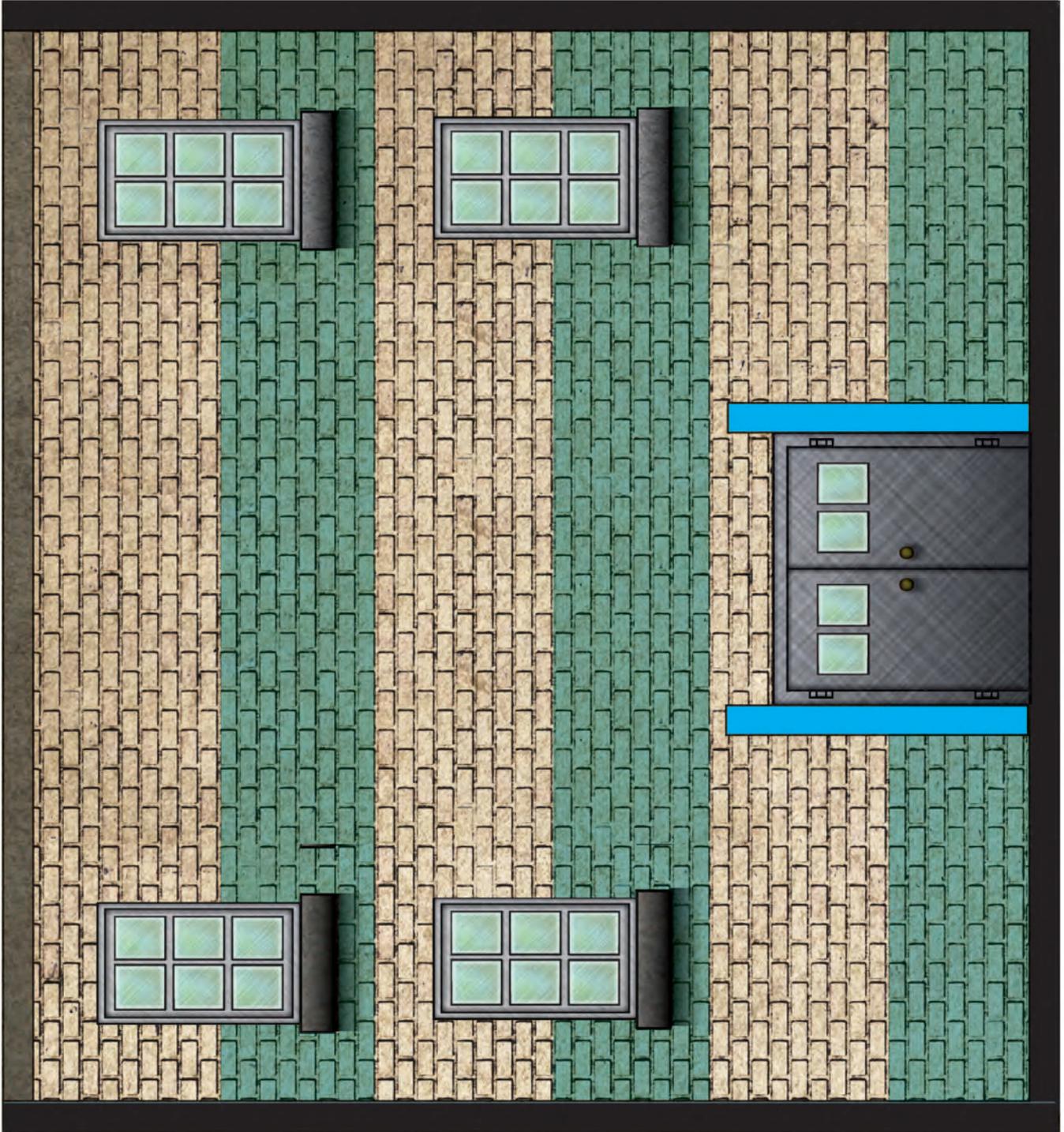
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E



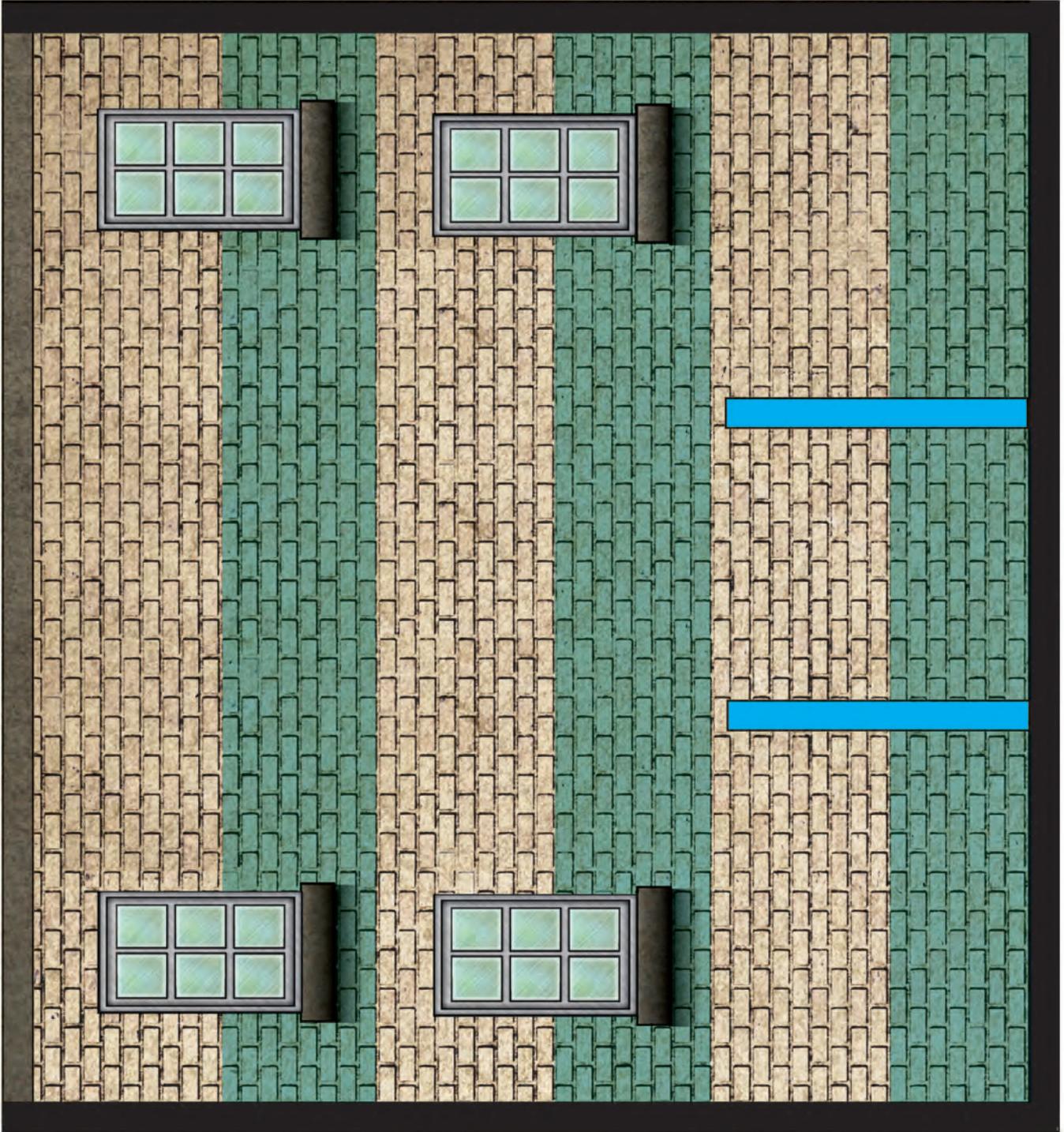
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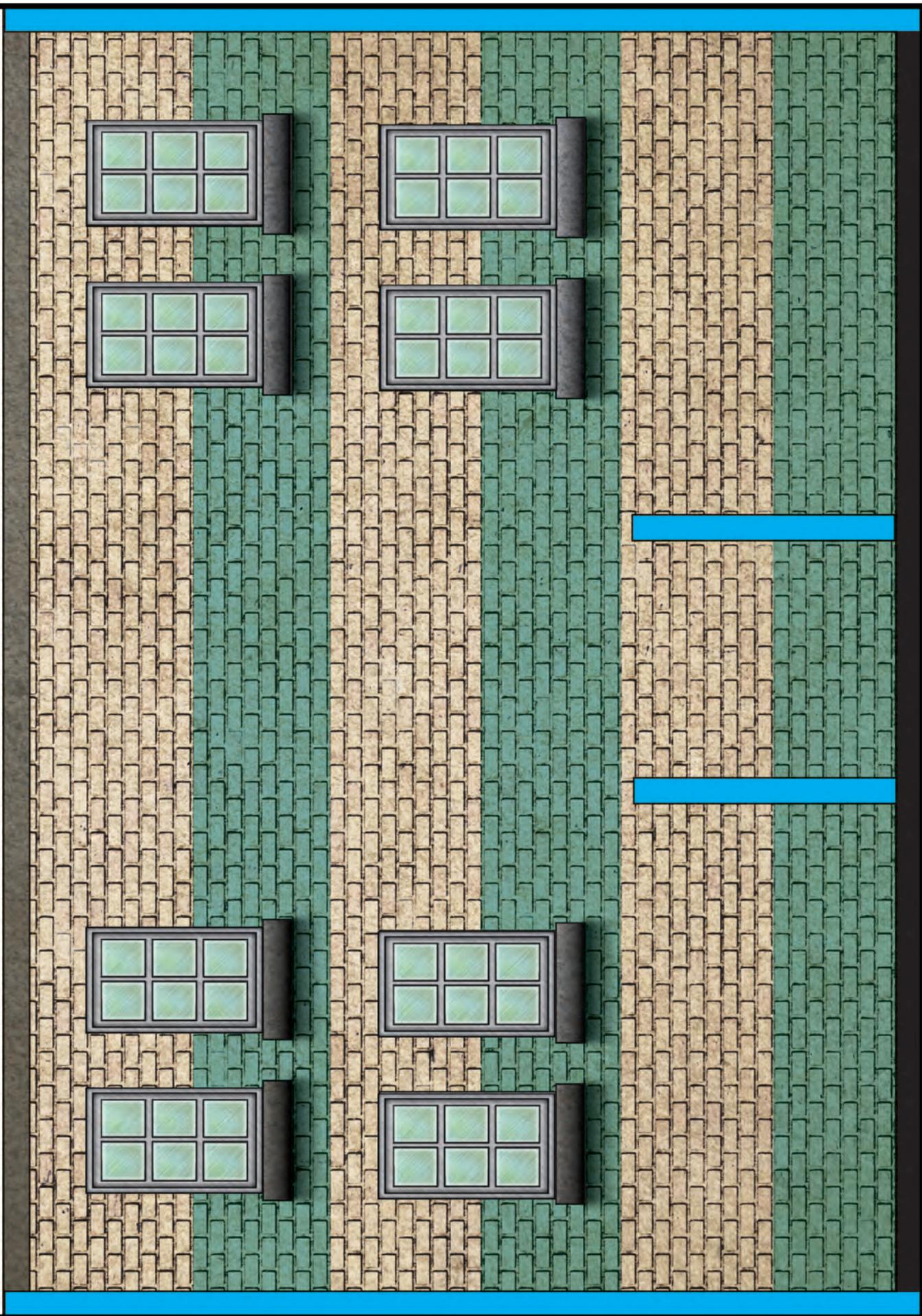


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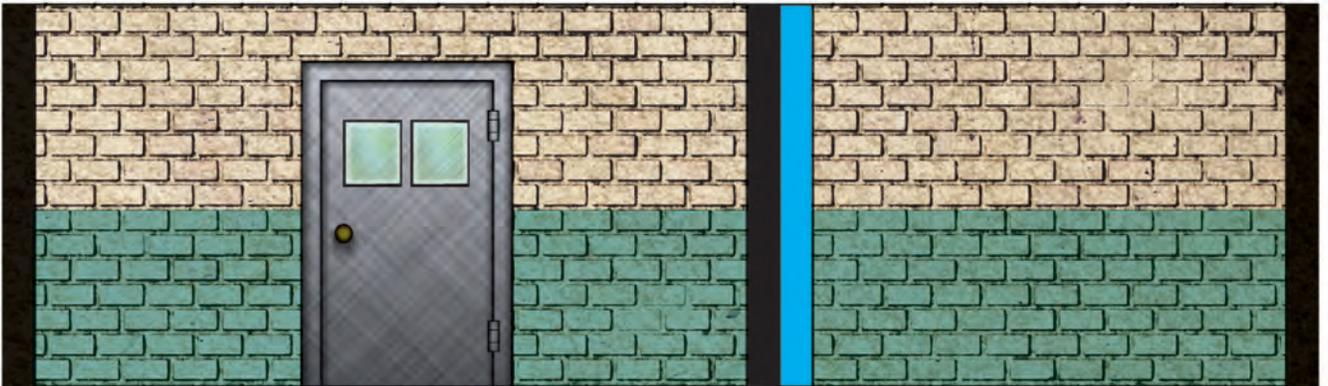
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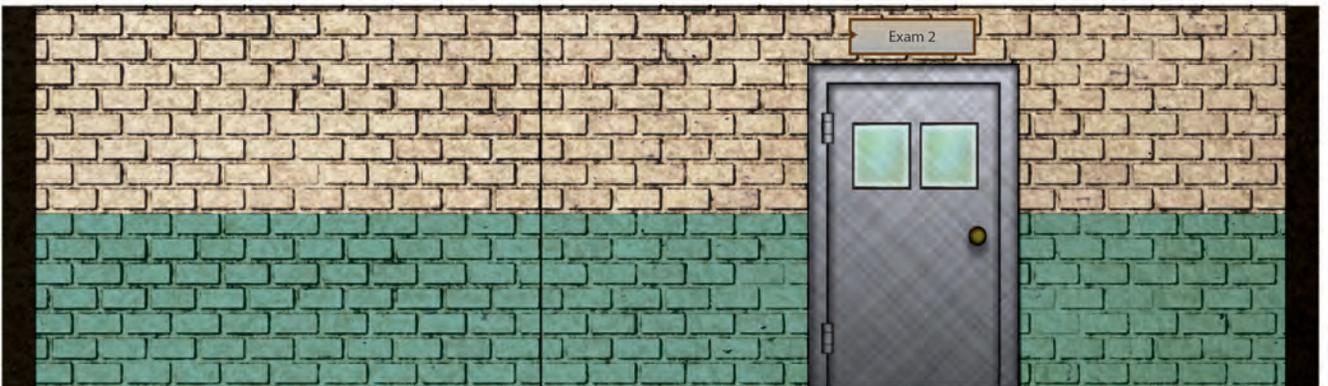
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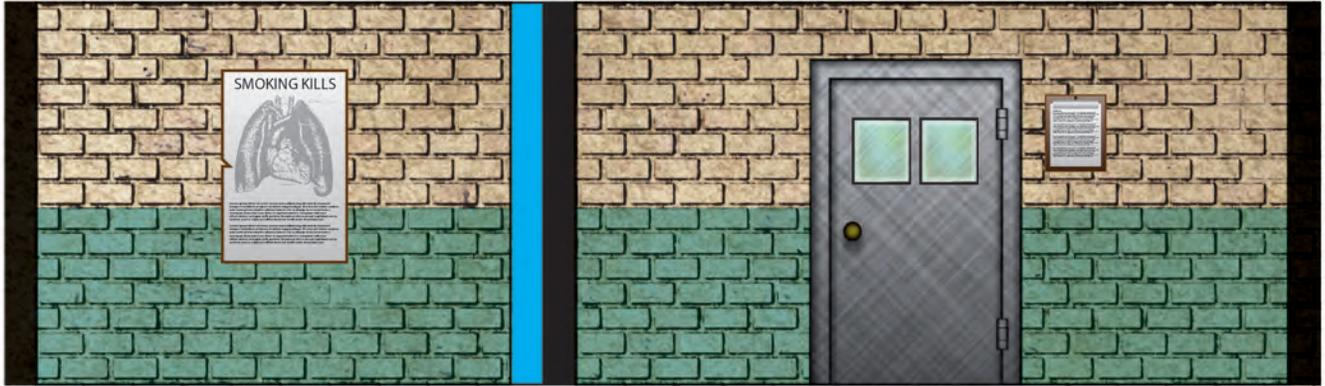
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M



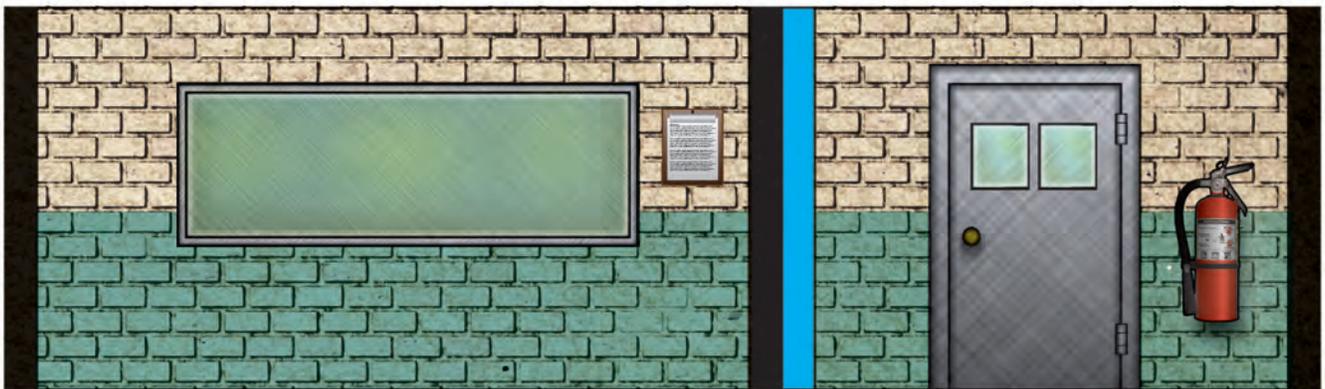
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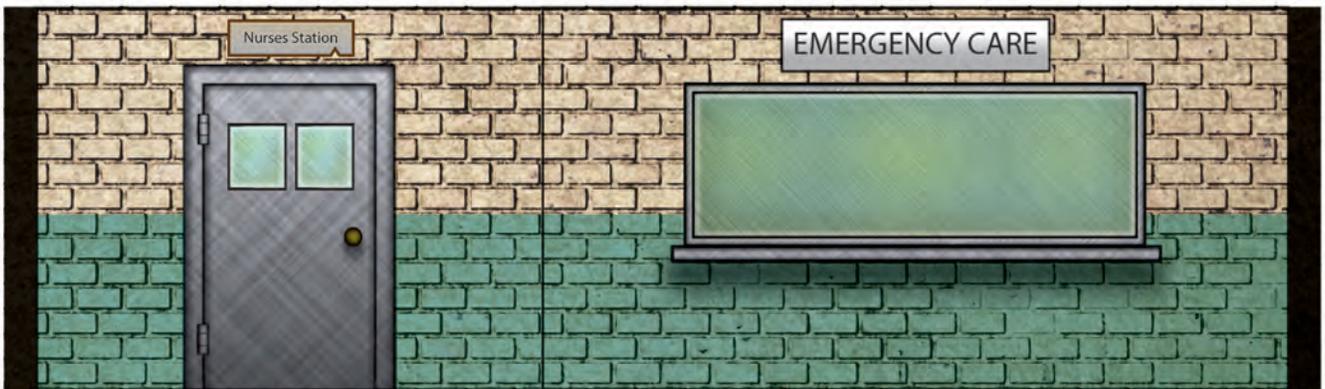
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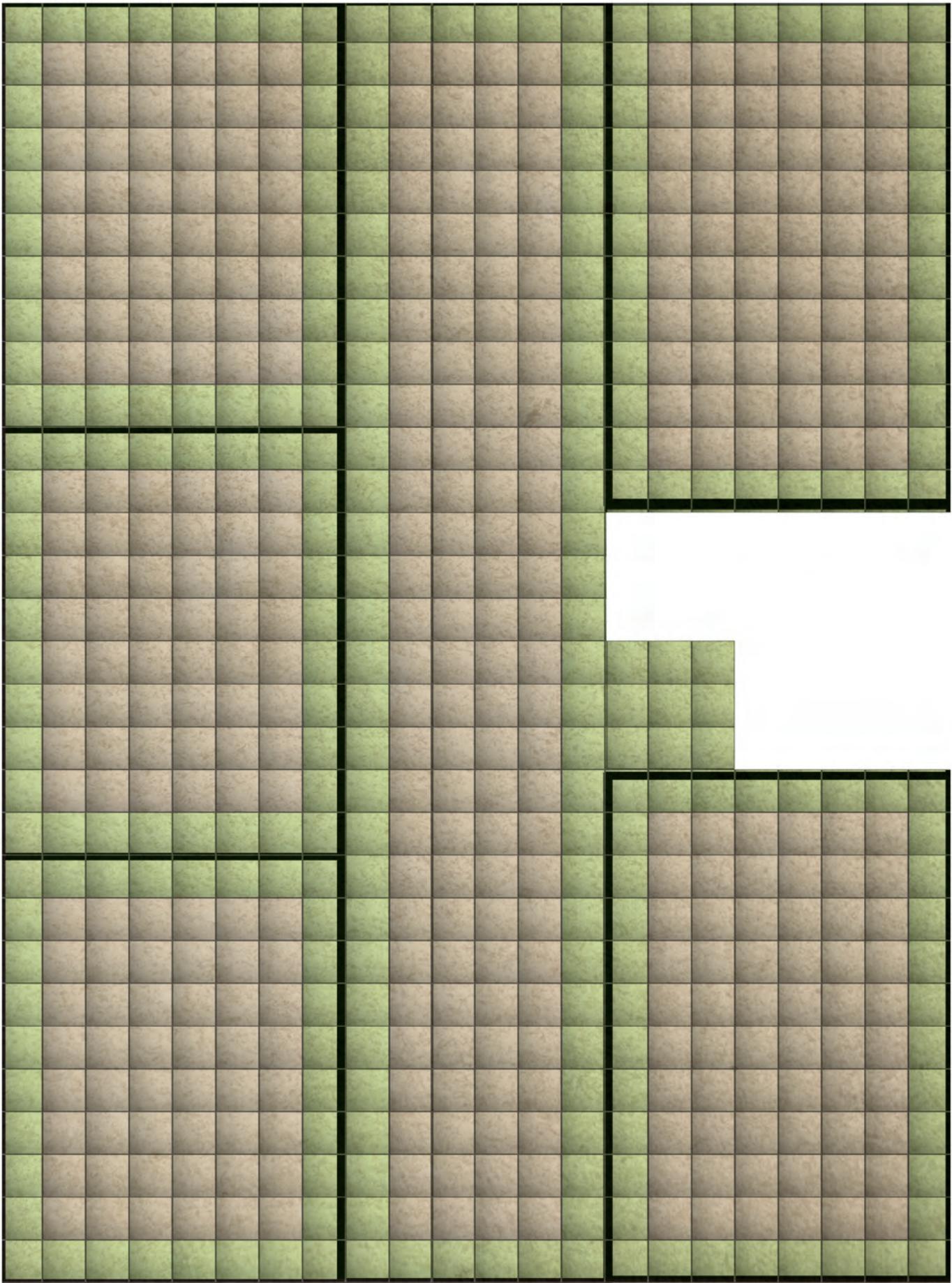
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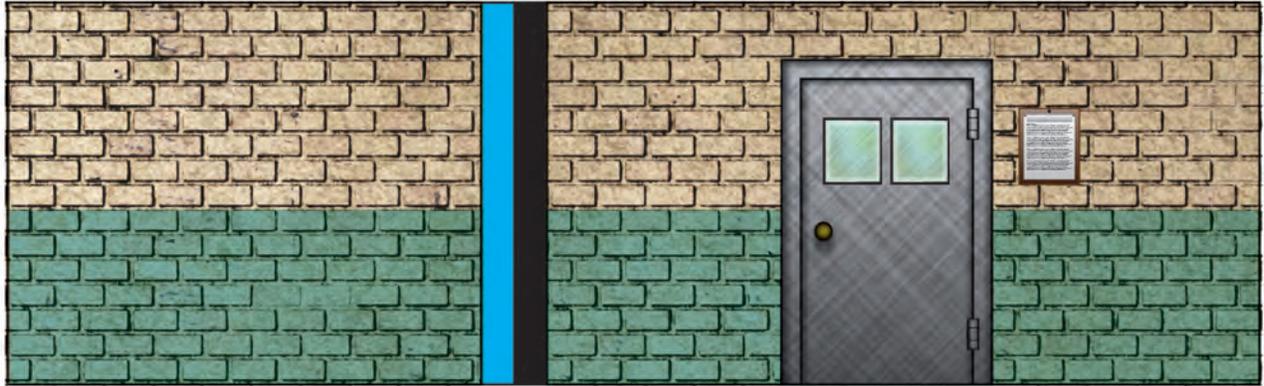
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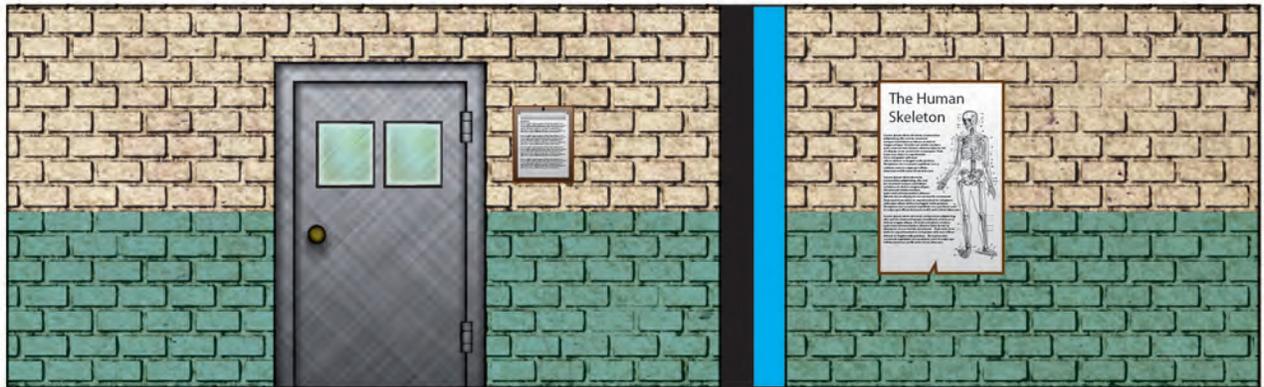
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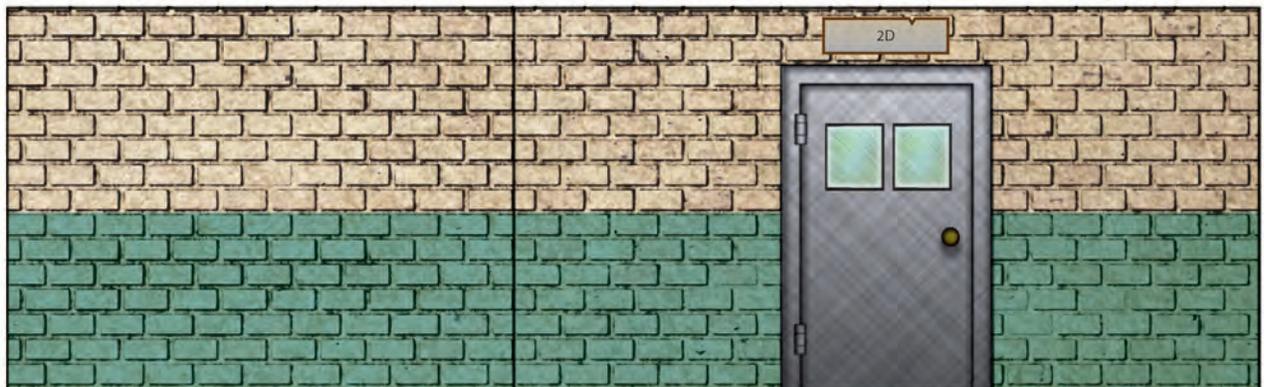
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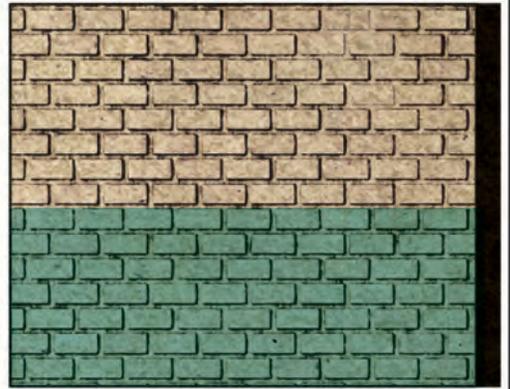
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X



Y



Z

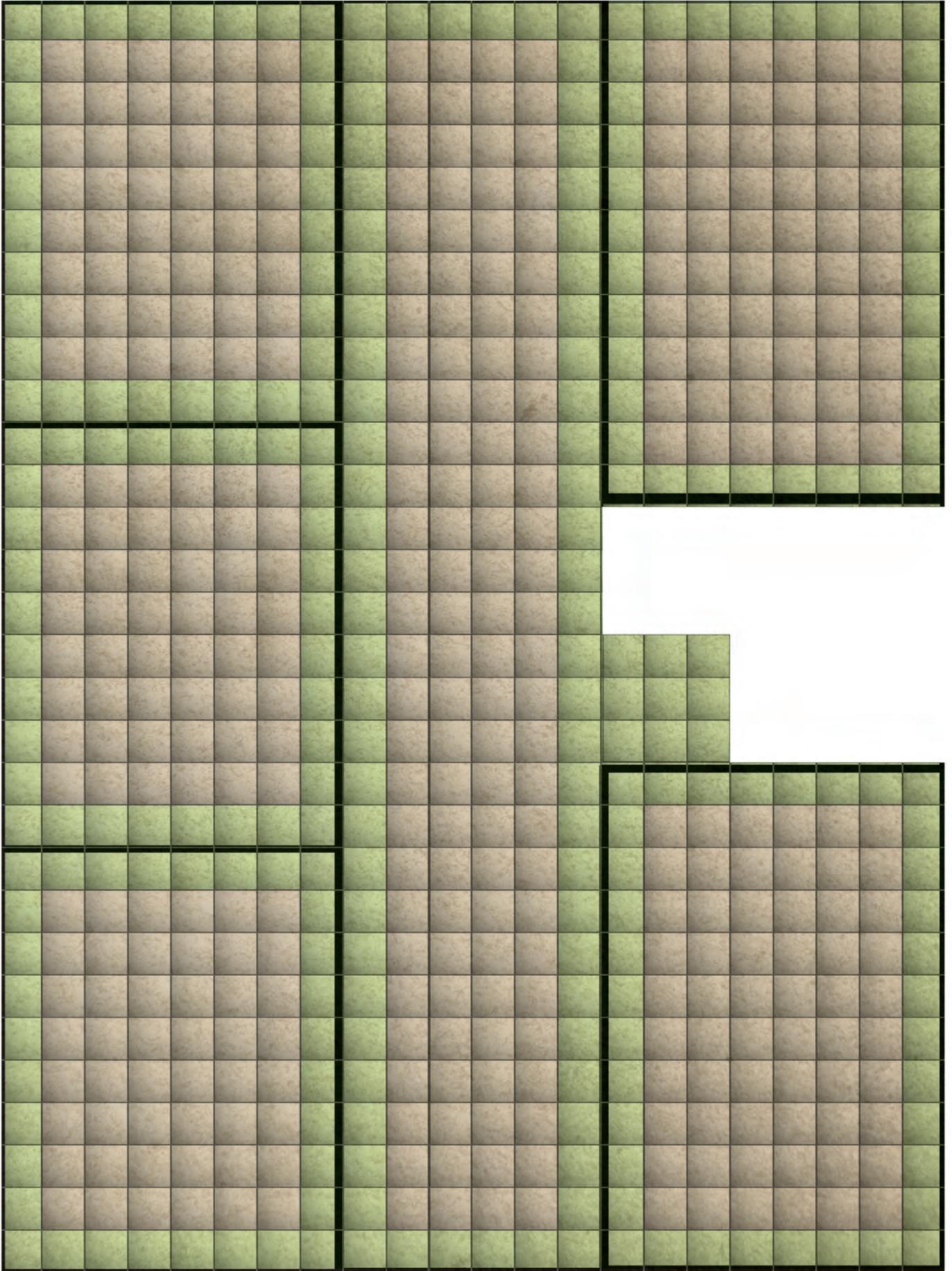


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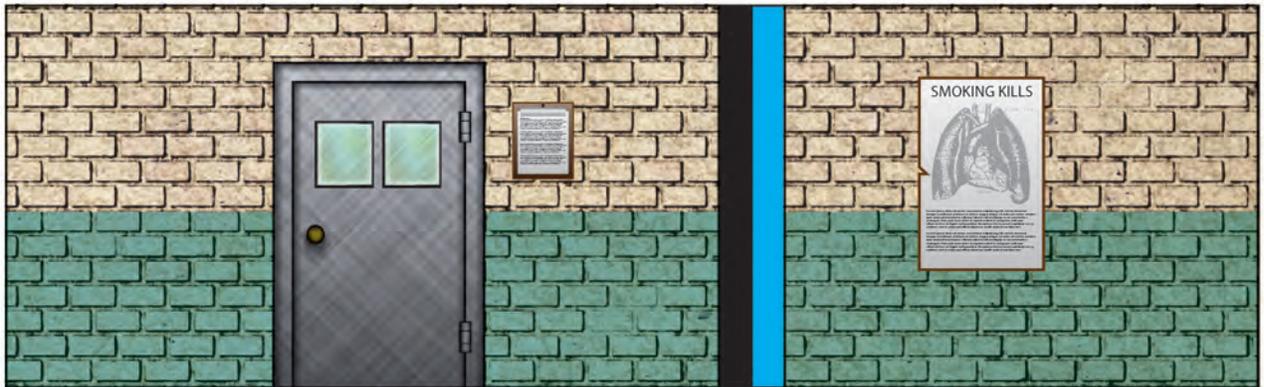
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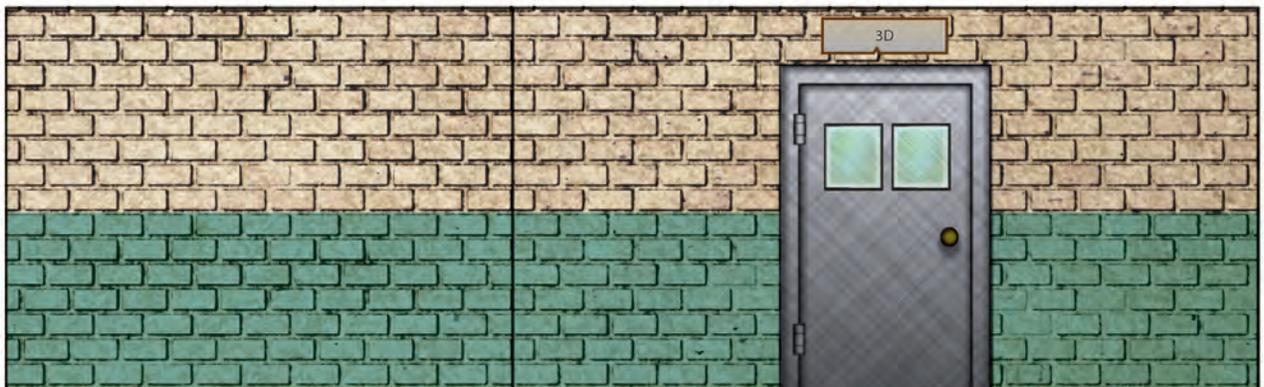
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ii



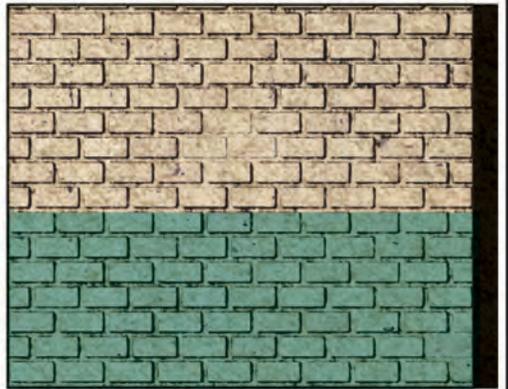
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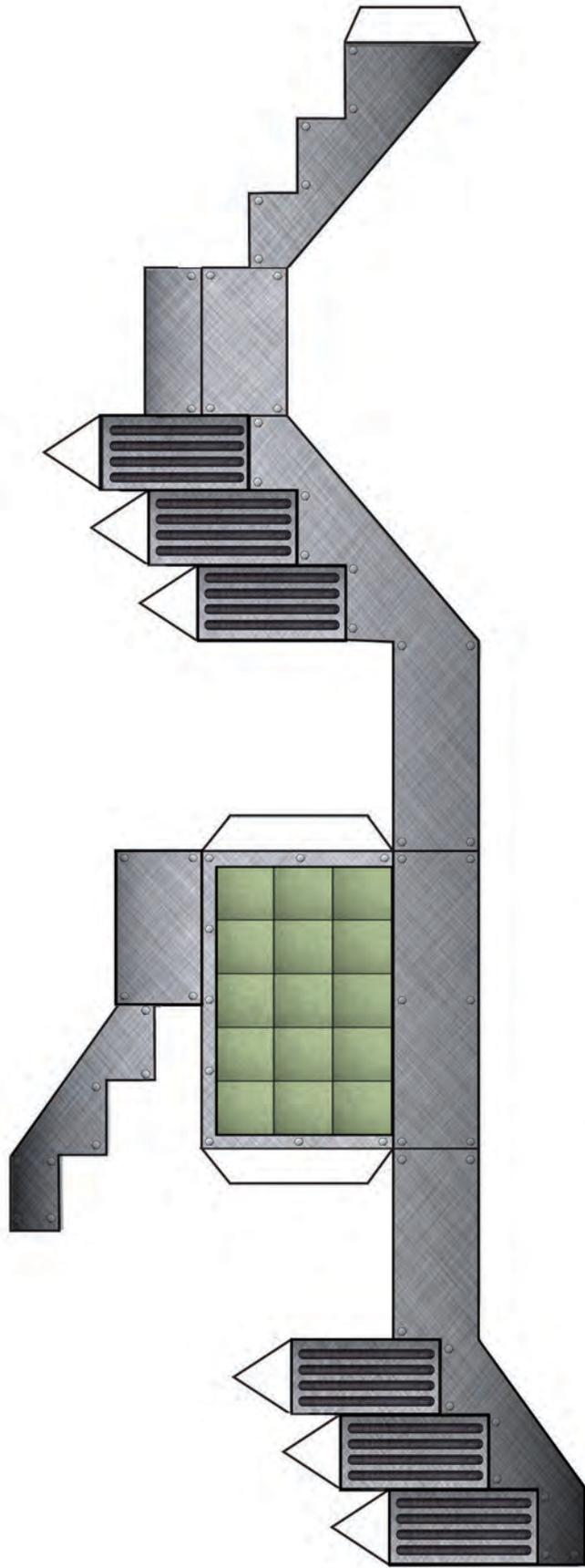
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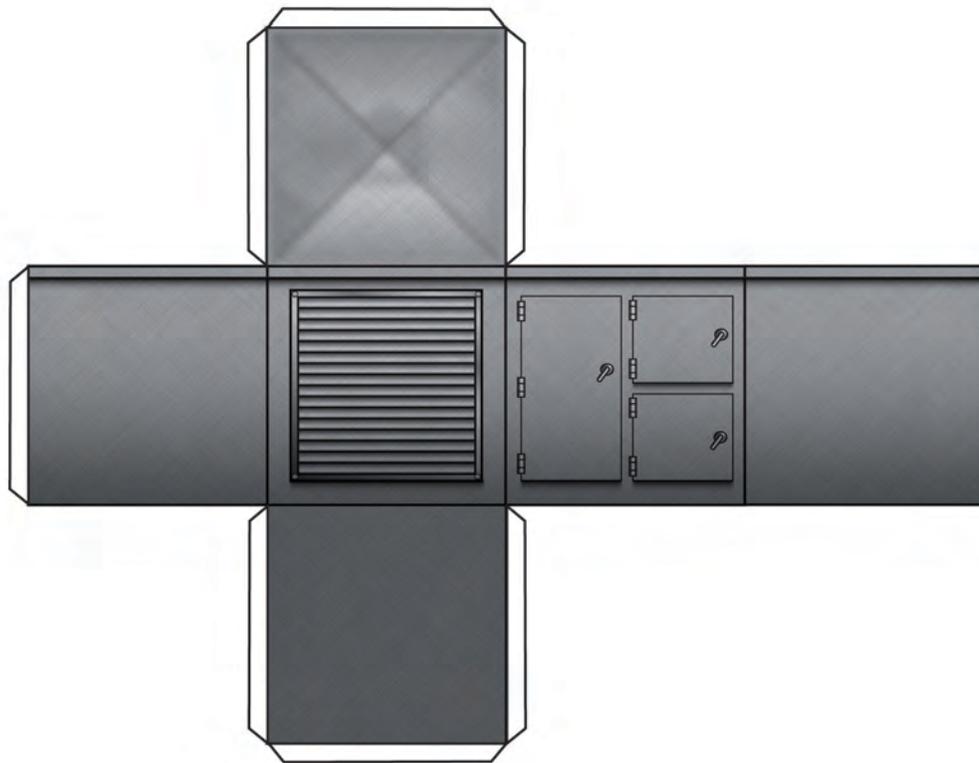
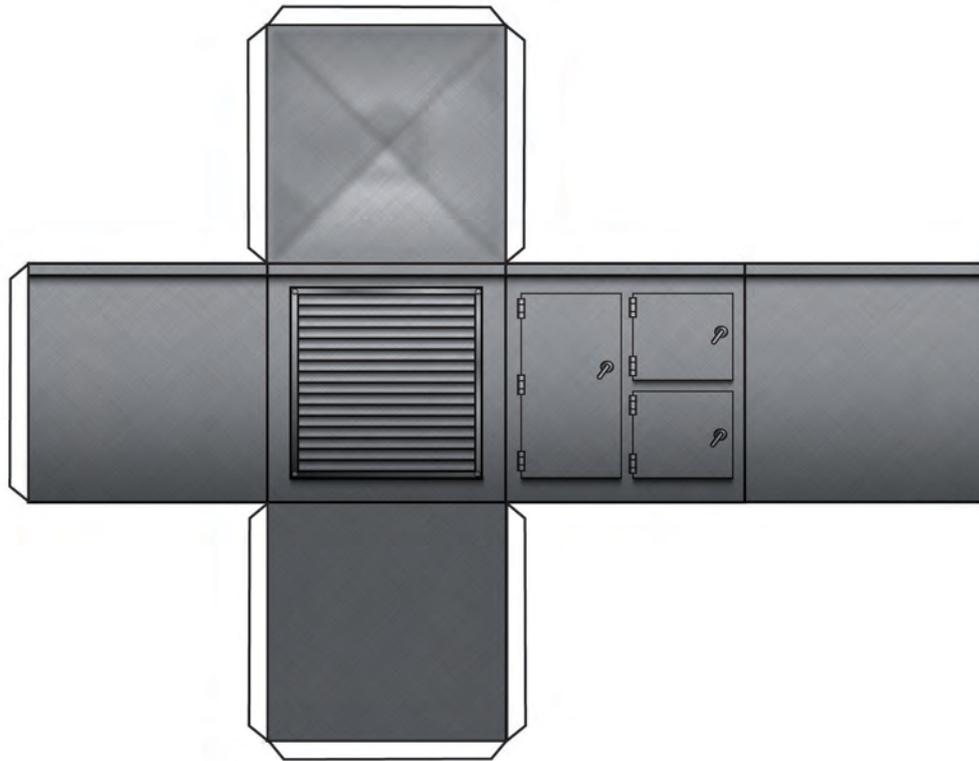


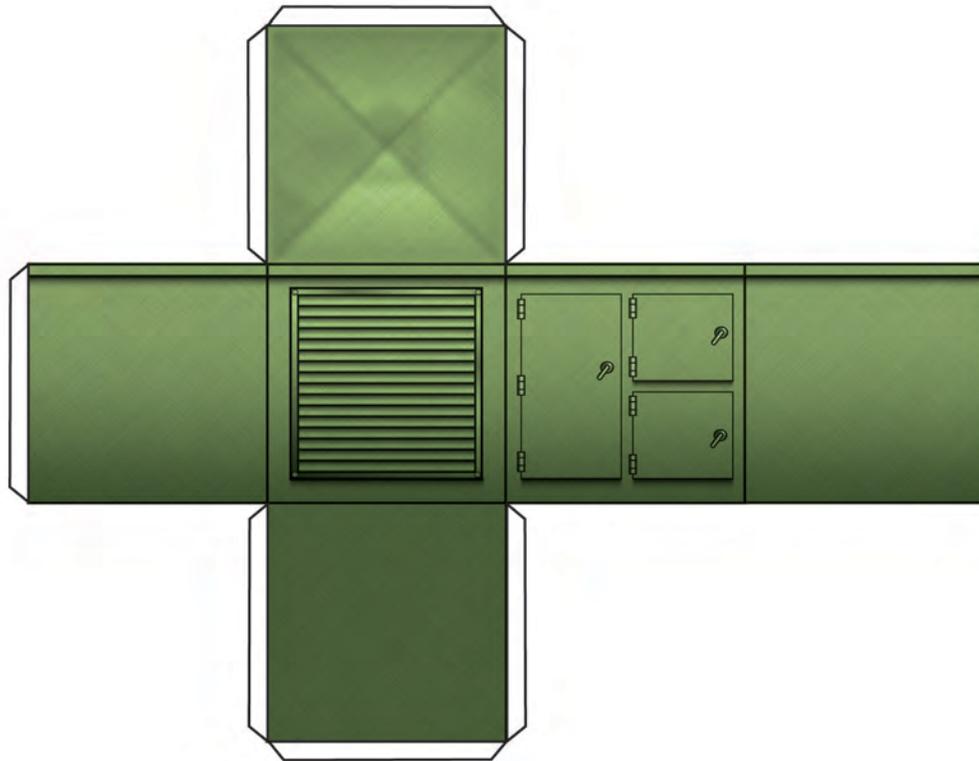
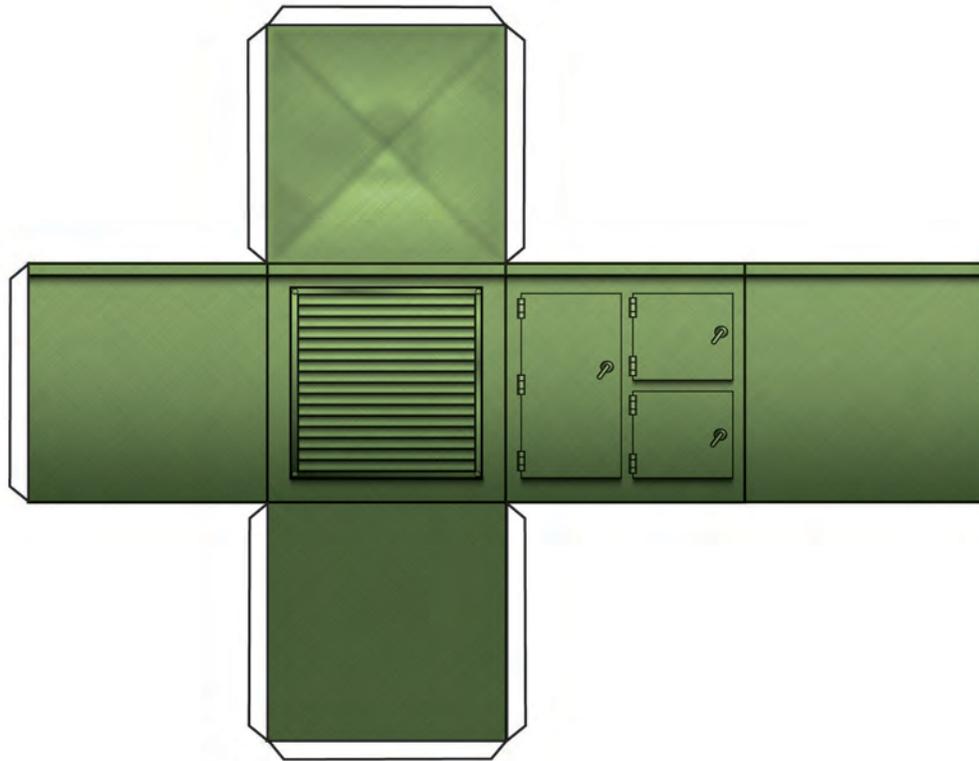
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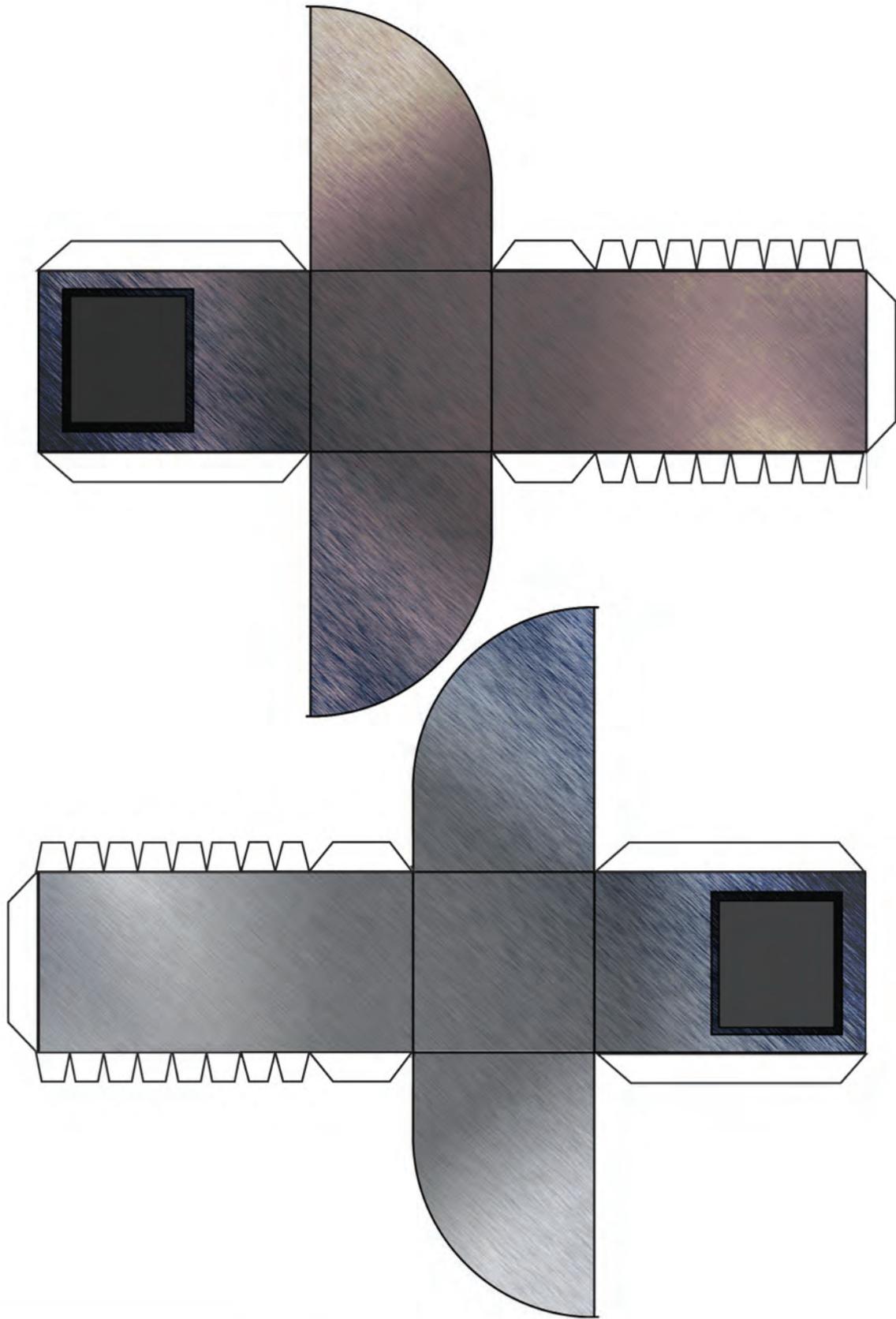








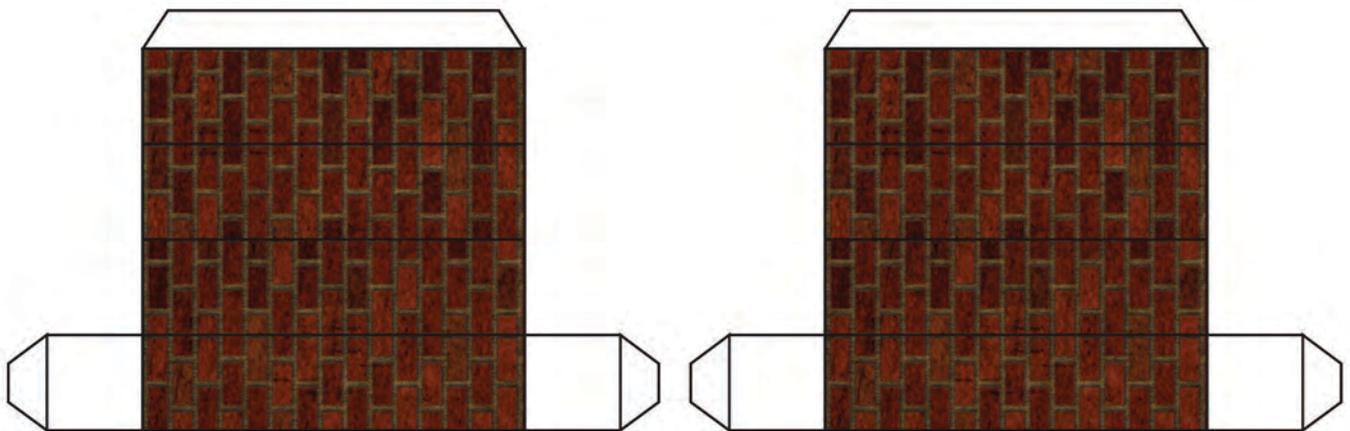


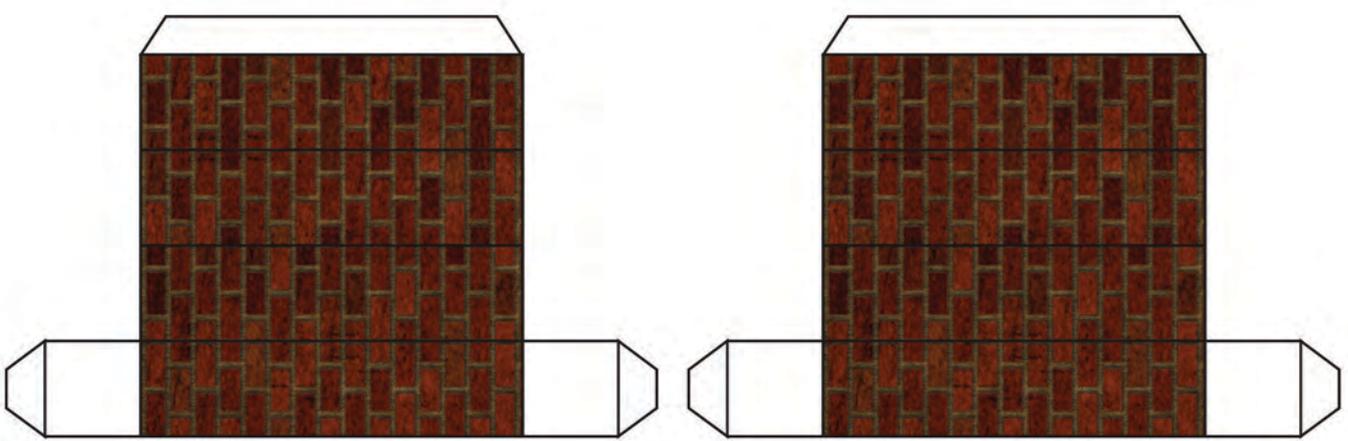
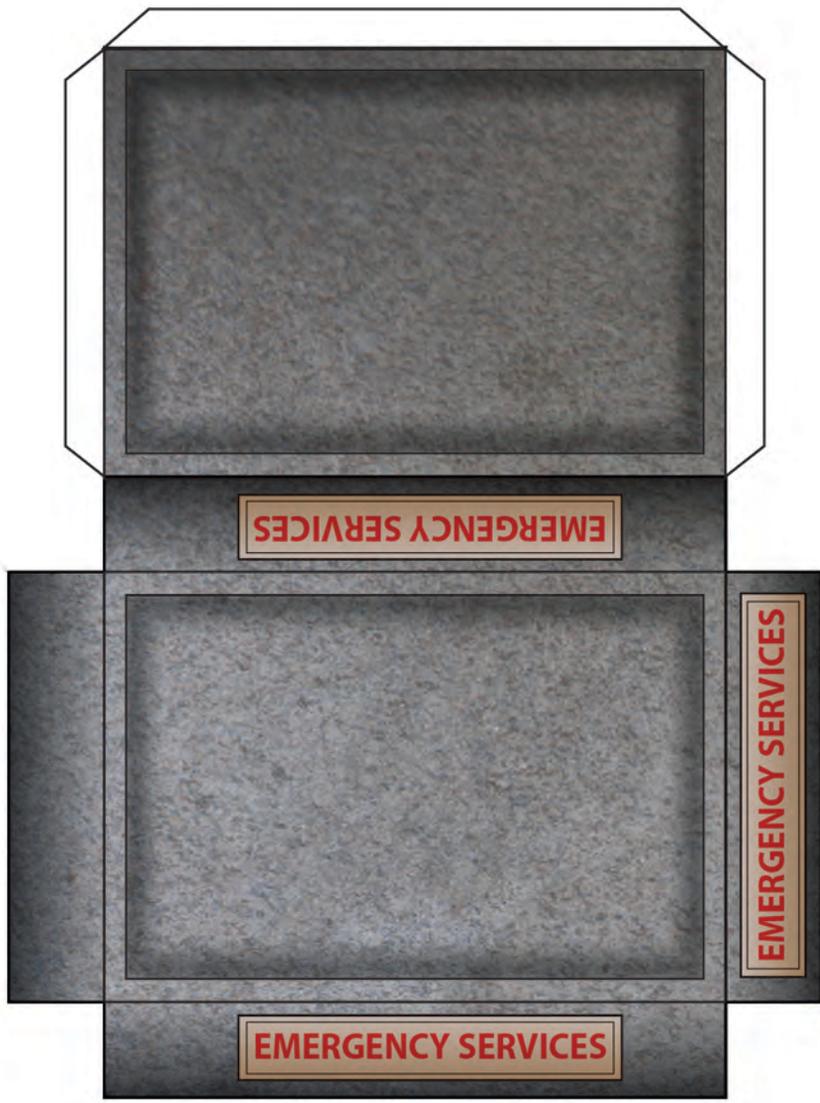


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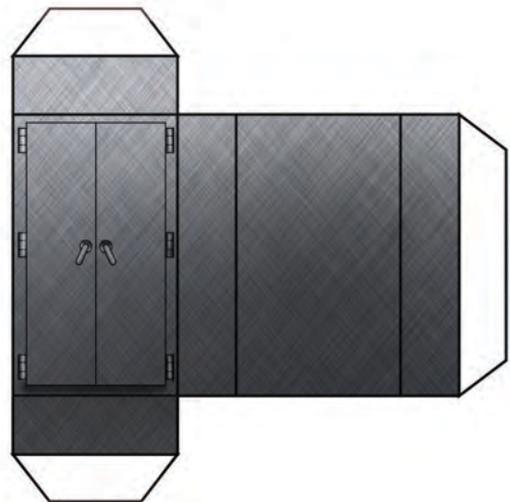
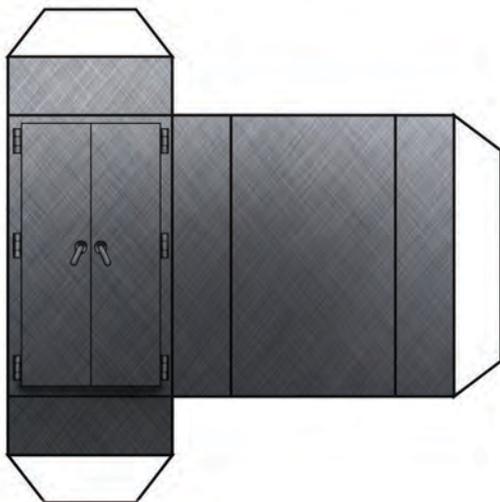
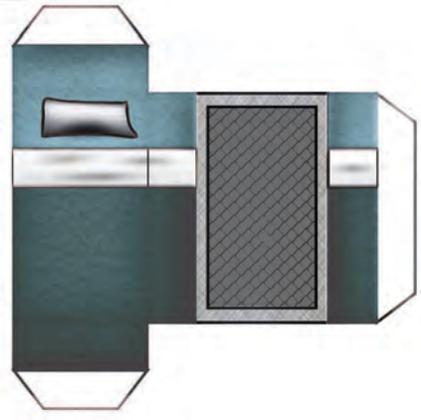
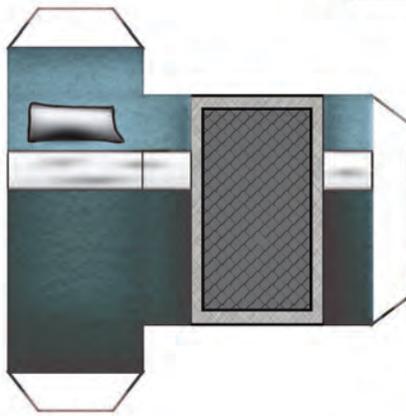
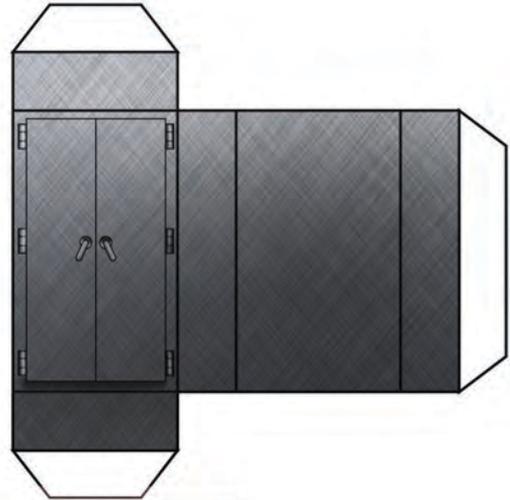
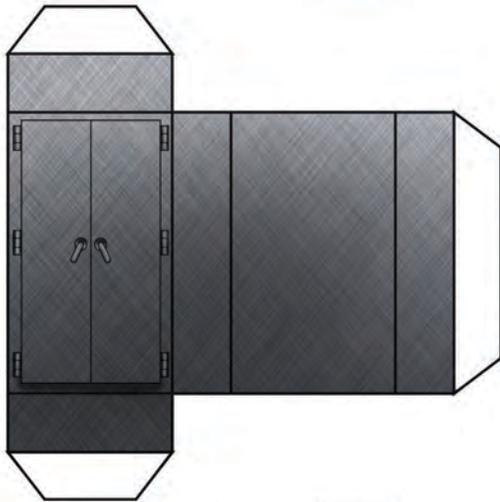
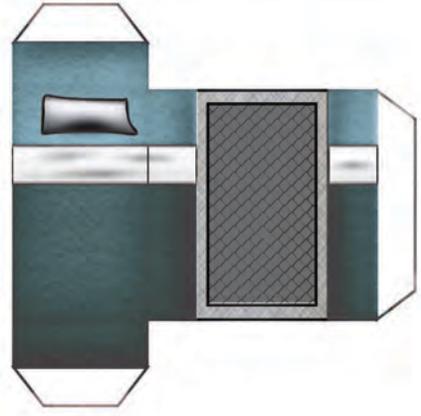
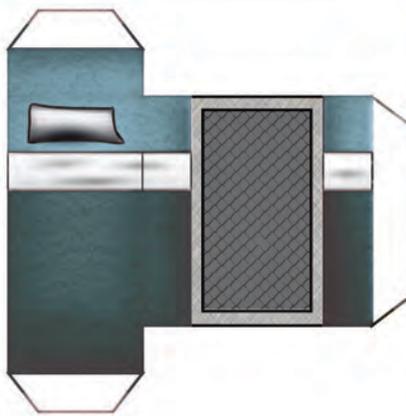
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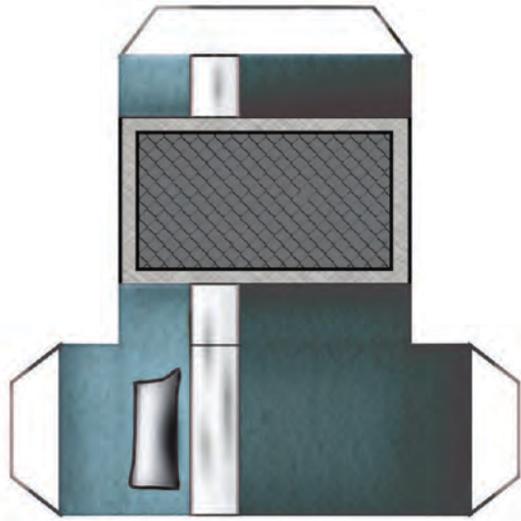
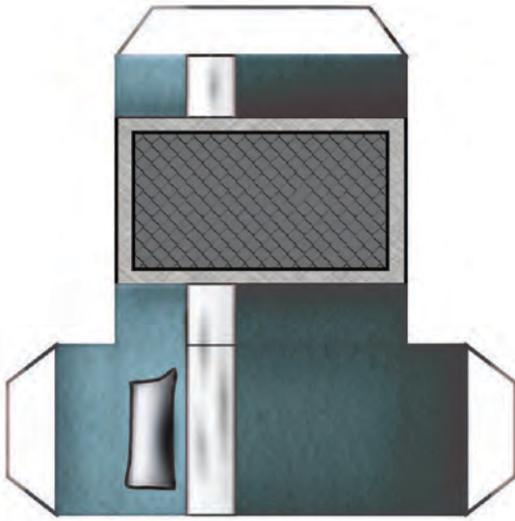




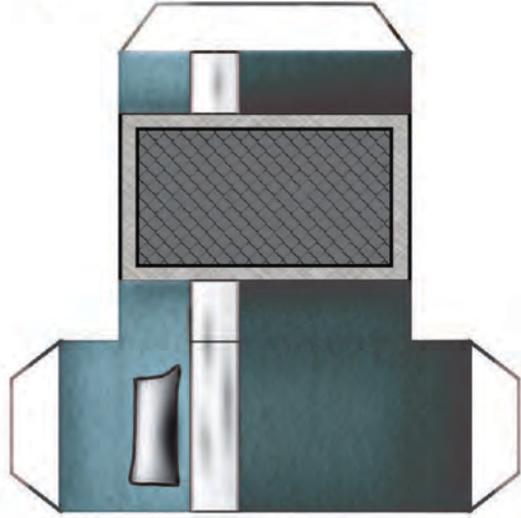
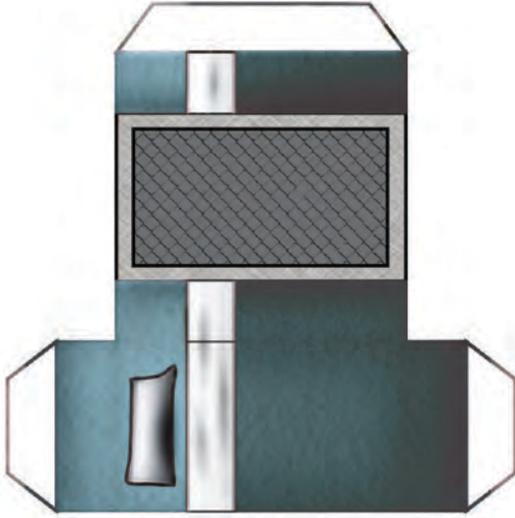


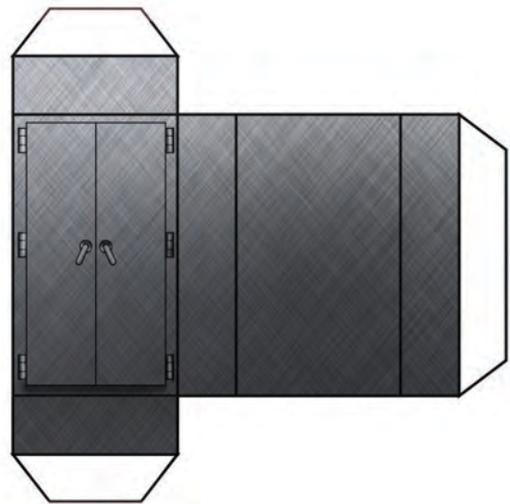
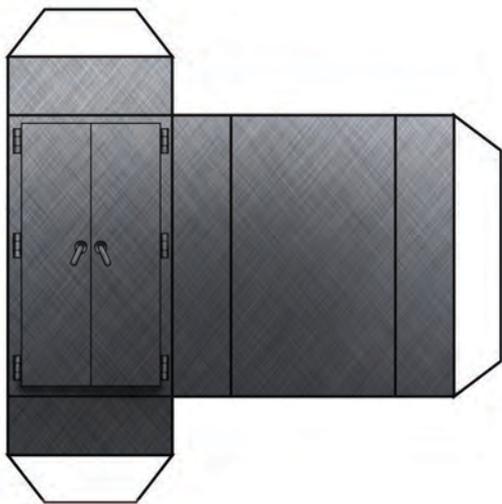
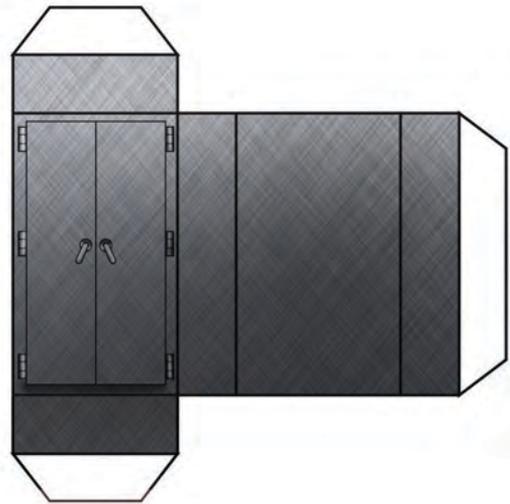
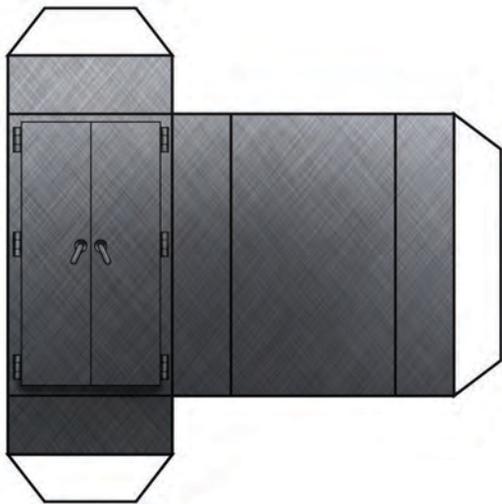
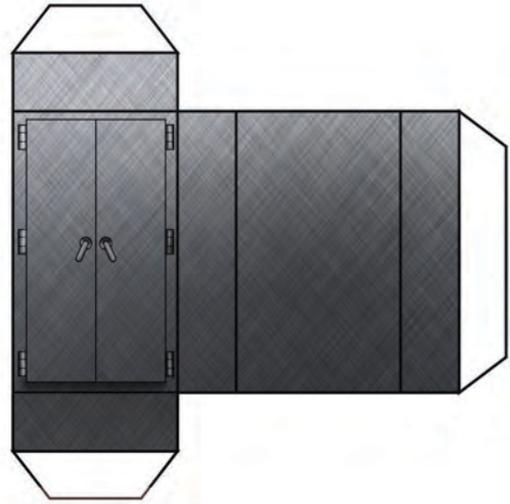
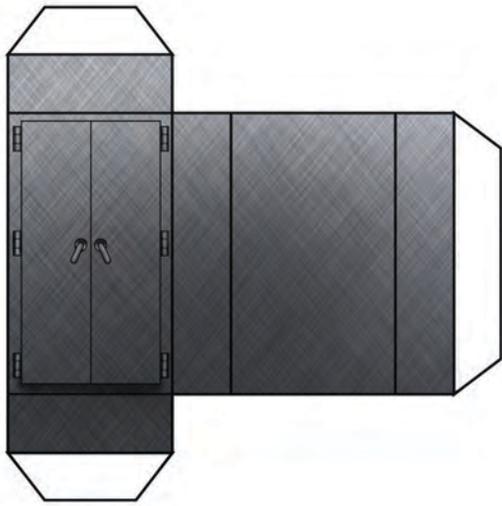


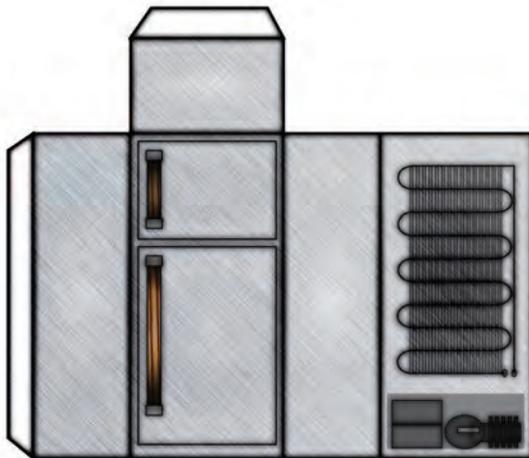
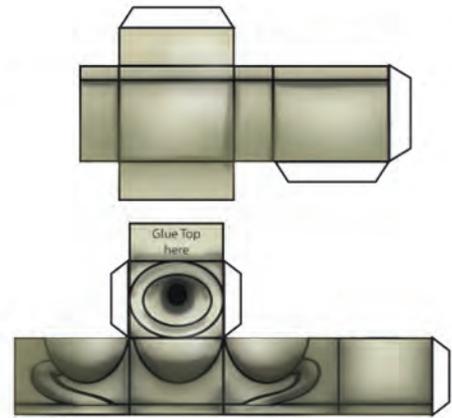
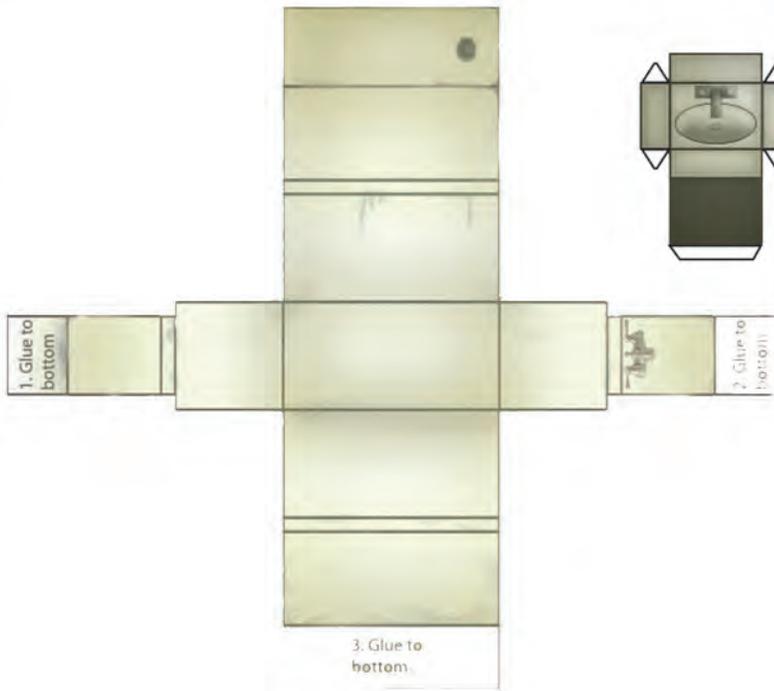




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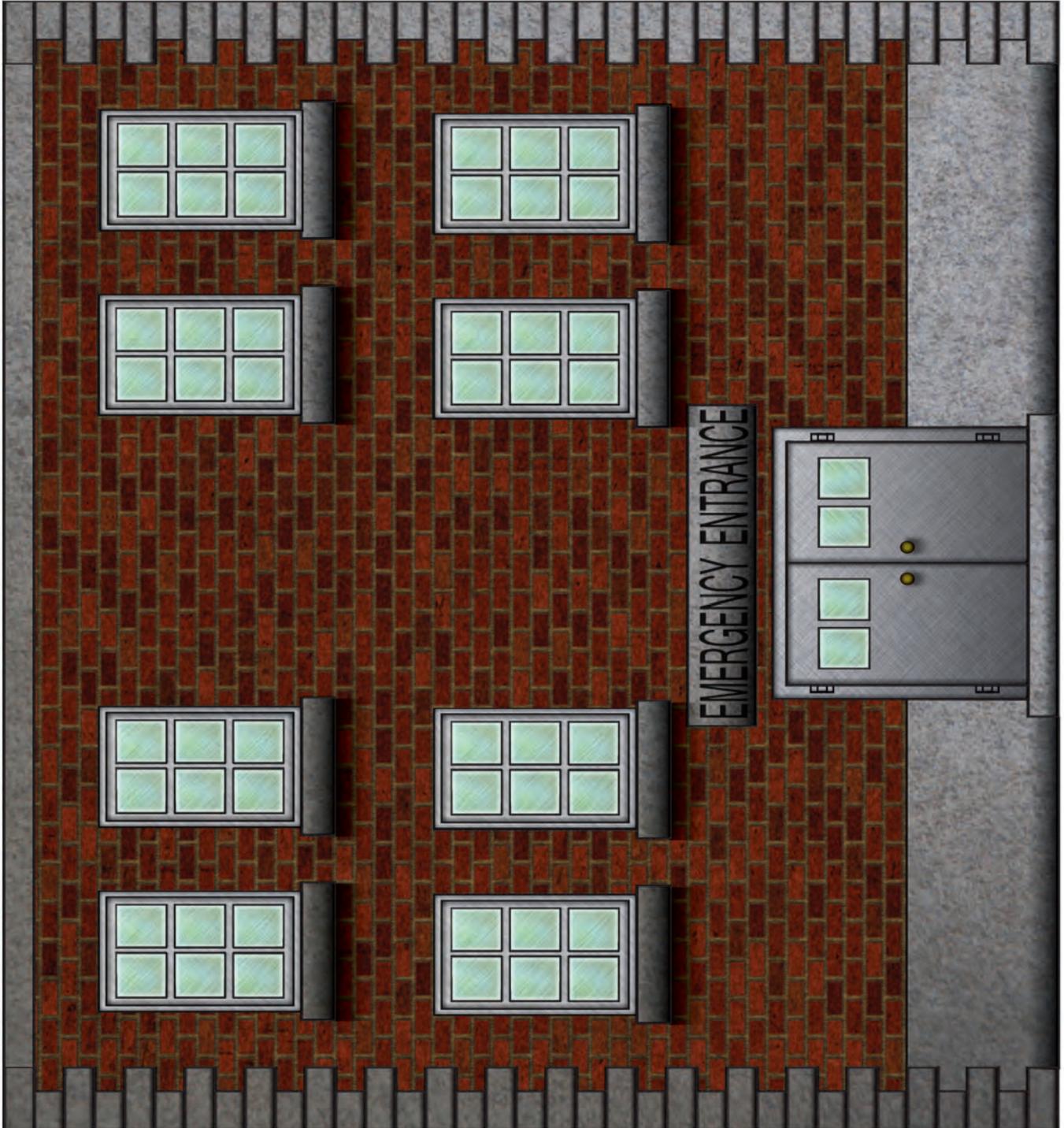
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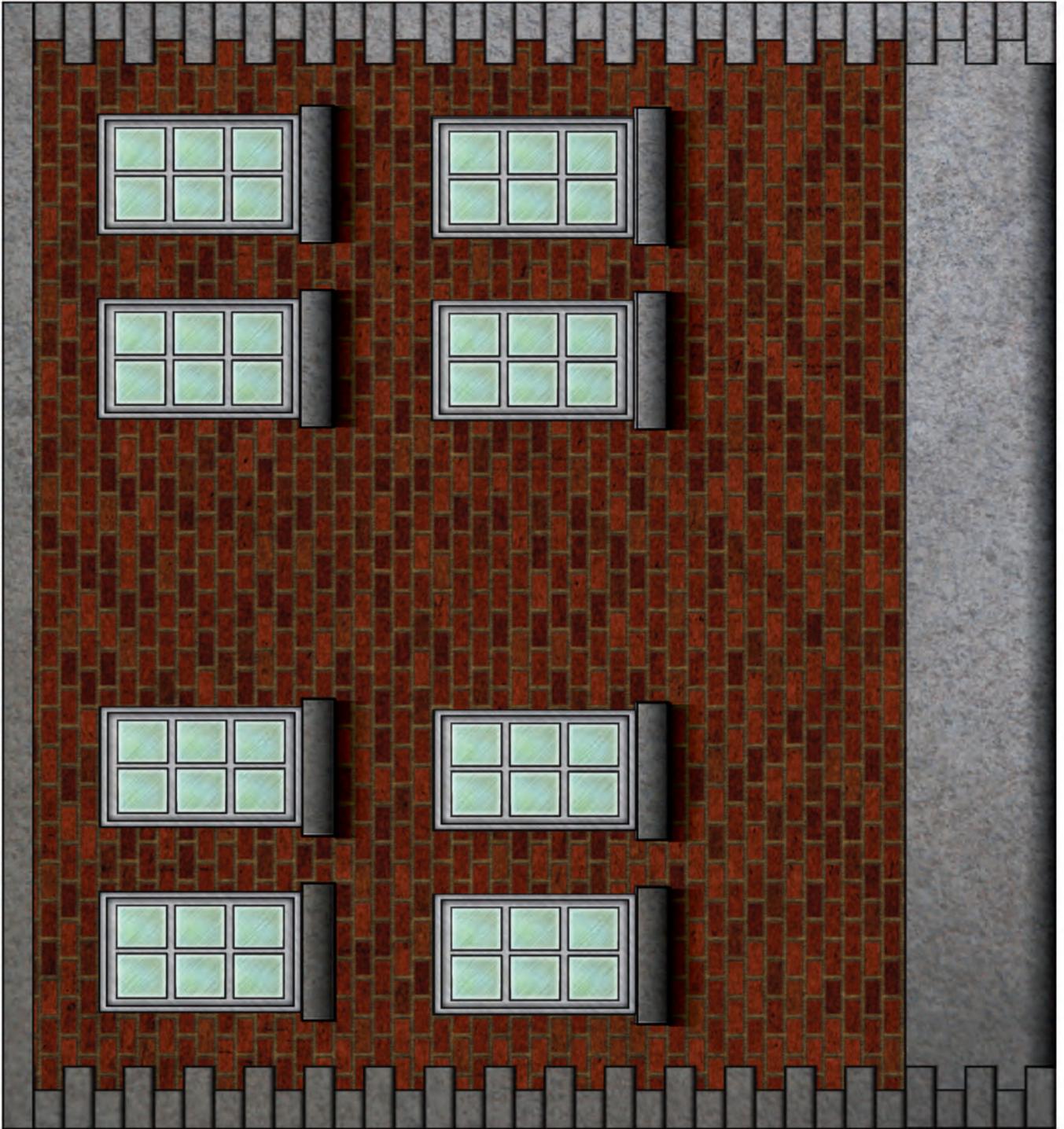


NOTE: These next four pages contain the original side walls with two windows in each side room. These may be a bit tight against the wall and have been replaced.

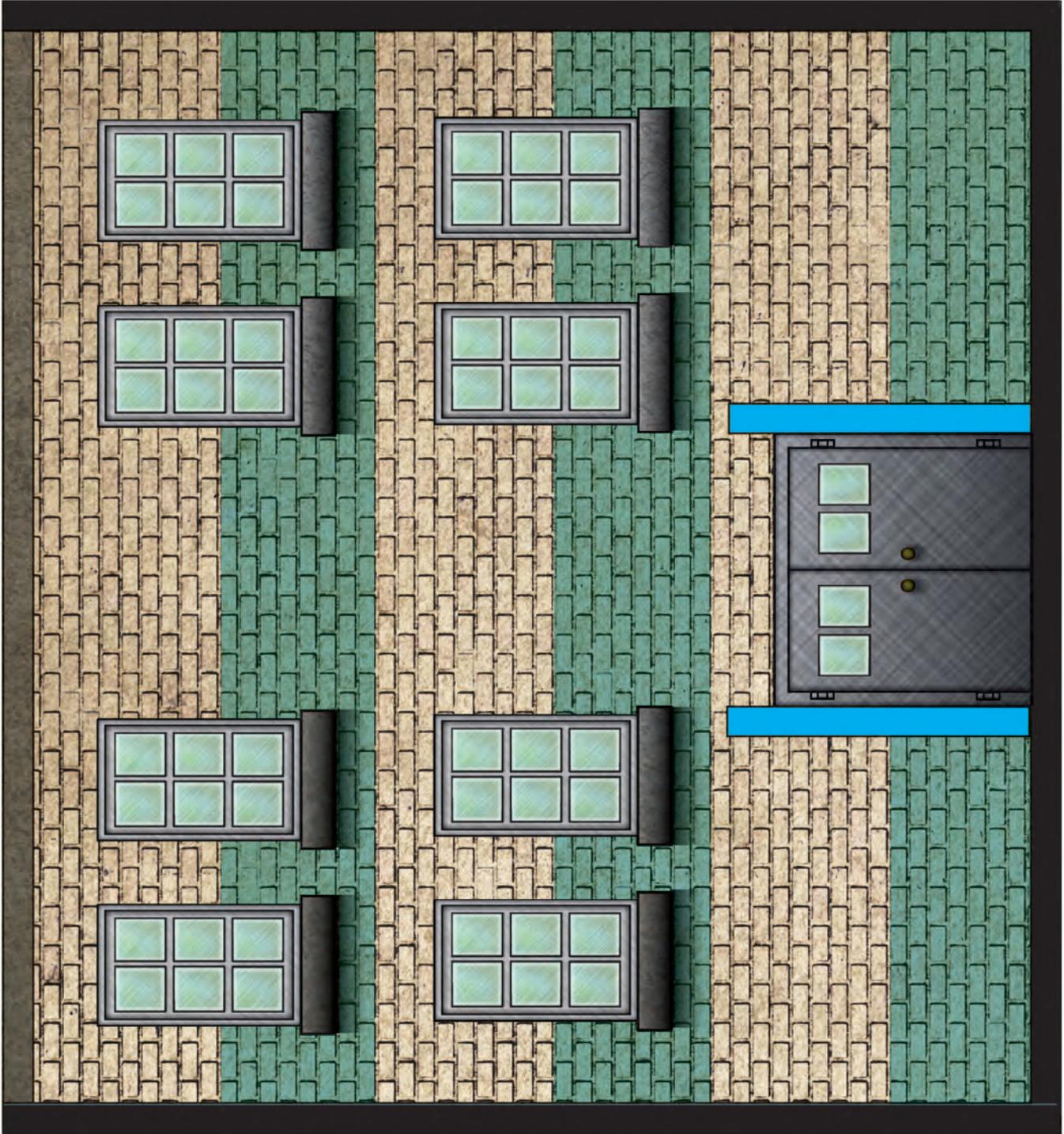
B



D



F



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