

CLASSIFIED

HOMES

AUTO PARK

Three complete auto themed building projects
 Ten different vehicle types with 12+ colors each
 One hundred and twenty five + pages of vehicles



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: \$8.99⁹⁹
 Payable in quarters
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Classifieds

S0030

The auto industry is still suffering, and fewer people are buying new vehicles these days. Deciding , rather, to hold on there existing rides just a bit longer. Despite this drop in demand, Stoelzel's Structures has done the ill advisable and supply you with our own brand of vehicles.

The Auto Park play-set is a vehicle themed set of buildings, and vehicles for 28mm scaled gaming. The buildings of this set includes a used car dealership, a small car wash business and 3 bay auto shop. Like our other products, the Auto Park play-set buildings are intended to be built using 5 mm thick foamcore and come with furniture for immediate move in..

Ten different vehicle types are provided in this project, including A truck that can be configured as a pickup truck, a Lotun-body van, or small box/shipping crate truck. Also included is a less than fashionable but highly utilitarian box shaped car, a sporty model, a sports utility vehicle, a van for traveling teenagers, a family wagon, and the slightly more posh version: the Echo 9 as seen in the 80s classic "Spirit Breakers". Each of these vehicles comes in at least 10 different color options, providing more than 125 pages of different vehicles.



Build instructions: Auto Park Playset

Legal

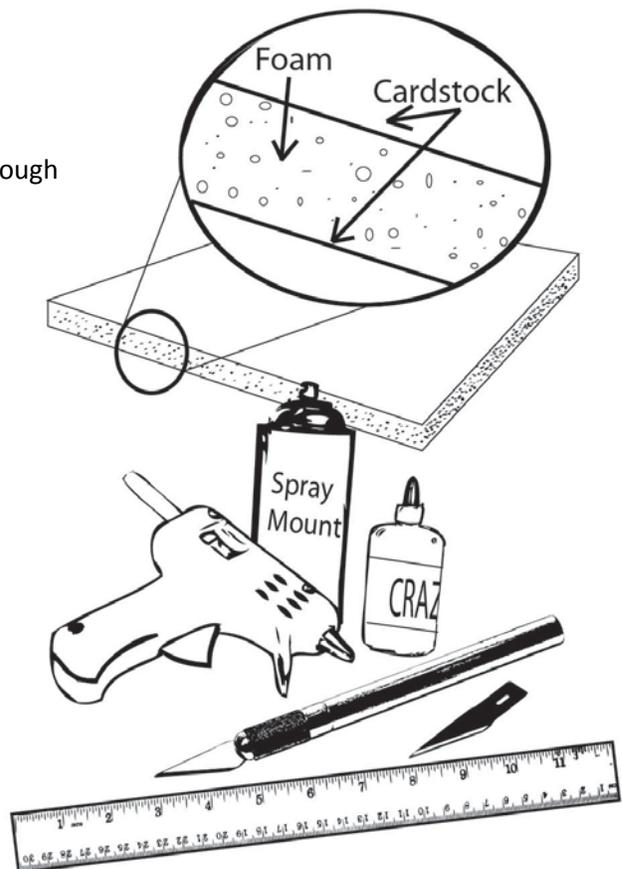
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Forward

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. The building models presented here will take about one hour each to build. Vehicles may take 5-10 minutes each.

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.

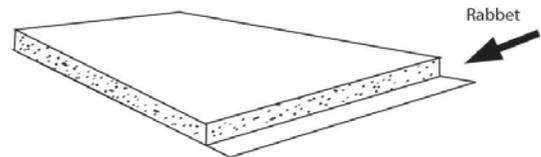
The second option is to use aerosol glue like spray mount or photo mount. Generally these come in two types, a permanent fix and a temporary fix which lets you take the pictures back off later. The temporary fix glue is good if you don't trust your ability to align the two sides, but like the label paper 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

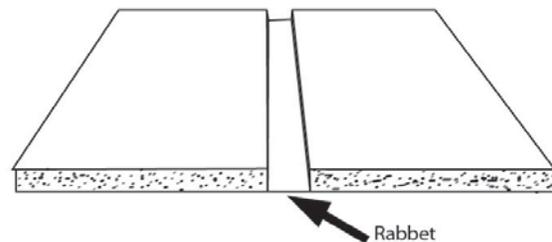
Sections which need rabbeting are indicated in the pictures by large blue boxes.

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

List of major parts

Car Dealership

- A First floor flooring
- B Front wall exterior
- C Front wall interior
- D Rear wall exterior
- E Rear wall interior
- F Right wall exterior
- G Right wall interior
- H Left wall exterior
- I Left wall interior
- J Roof flooring
- K Interior main wall, left
- L Interior main wall, right
- M subwall, rear
- N subwall, front

Extras include: Signs, desks, restroom

Carwash

- A First floor flooring
- B Front wall autoside exterior
- C Front wall autoside interior
- D Rear wall autoside exterior
- E Rear wall autoside interior
- F Left wall exterior

- G Left wall interior
- H Right wall exterior
- I Right wall interior
- J Shop wall, exterior front, side
- K Shop wall, exterior rear
- L Shop wall, interior front, side
- M Shop wall, interior rear
- N Roof flooring autoside
- O Roof flooring shop

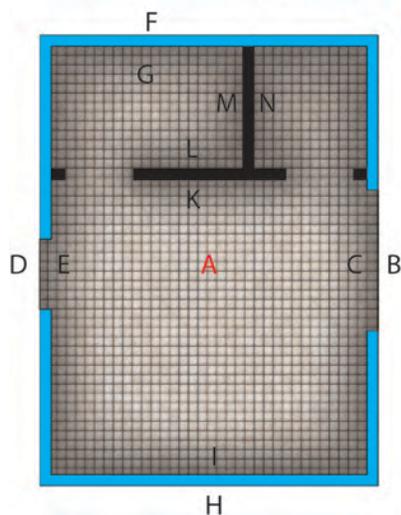
Extras include: Carwash brushes, desks

Garage

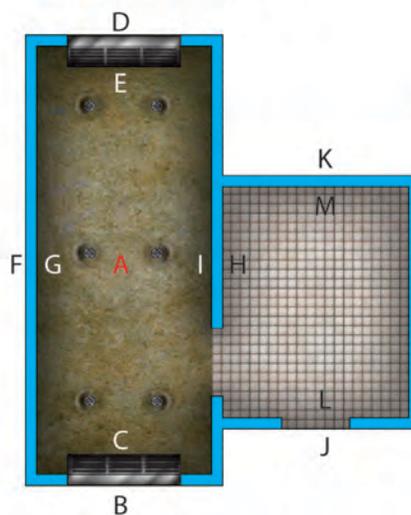
- A First floor flooring
- B Front wall exterior
- C Front wall interior
- D Rear wall exterior
- E Rear wall interior
- F Right wall exterior
- G Right wall interior
- H Left wall exterior
- I Left wall interior
- J Roof flooring

Extras include: Gas pumps, tire stacks, car lifts.

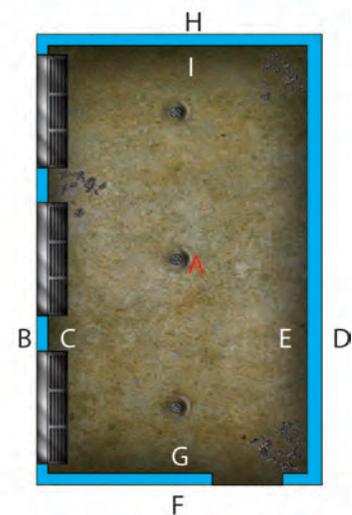
Car Dealership



Carwash



Garage



1. All three buildings supplied in the project follow a similar set of instructions.

Identify the parts for your selected building that you will need to print from the list of parts provided on the previous page. All wall sections come in pairs, with one image mounted on opposite sides of foamcore. Take care to keep track of you pieces. If you trim you paper prior to mounting I recommend writing the piece number of the reverse side of the print out, to help keep track.

2. Next you will mount all the necessary pieces onto five mm thick foamcore. Always test fit your paper image onto the intended piece of foamcore to make sure it will fit prior to mounting.

The floor and the roof pieces are one sided. Mount on a piece of foamcore, cut along the black outer line to trim, and set the piece aside until the next step.

For the remaining wall sections, mount one side of the wall onto a piece of foamcore. Cut along the outer black line to trim the piece. Flip the wall section over, and mount the image corresponding to the opposite side.

In all buildings in this project, piece B goes with piece C, D with E, F with G, H with I. Consult the build map on the previous page to identify which pieces belong together.

3. It is now time to make all the necessary rabbets on your floor sections. All rabbets are indicated by a light blue box. You will find these along the perimeter of the first floor, the edges of some outer walls, and even in the interior portion of a couple walls

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. [**Builders tip: I recently found that a small flat screwdriver about five mm wide can serve as a great chisel in a pinch.**]

Start with the floor section and you will see a long blue line that travels around most of the perimeter of the ground. Start by cutting along the black lines separating the blue box from the surrounding images. Take care not to cut all the way through the foamcore, but only about halfway through. Gently pull away the cardstock up, and remove it. Take your screwdriver/chisel/blade and remove the underlying foam. The lowest layer of card should be left intact.

Remove all areas indicated a rabbet in your building.

4. Next, you are ready to begin assembling the building.

4A) Take the floor piece (A) and locate the floor section side facing the front of the building. Locate piece B/C (the front wall) and test fit the wall into the rabbet along the front side of the floor (A). Make sure the interior of the wall faces toward the floor. Glue in place.

4B **For the Car dealership only.** Locate the two interior walls (K/L and M/N). Piece K/L should slip into the interior rabbets found on the front wall. Test fit and glue in place. Piece M/N should then slip into the rabbet found on the interior wall (K/L). Glue in place. The right wall and back wall will need to slip over these interior wall sections as you assemble.

4C) Locate the two side walls H/I and F/G. Check your building map to see which goes left and which goes right. Test fit these two pieces into the rabbet on the floor, and make sure the corner rabbets with snugly with the front wall. Make sure the interior of the wall faces toward the floor. Glue in place.

4D) Locate the rear wall D/E. Test fit these two pieces into the rabbet on the floor, and make sure the corner rabbets with snugly with the two side walls. Make sure the interior of the wall faces toward the floor. Glue in place.

4E) **For the Carwash:** Locate the two shop walls (K/L and K/M). Piece K/L has a rabbeted area on the interior wall that is neighbored by a black box, this indicates an area that will slip into a rabbet. In this case, the wall should be bent 90 degrees along the black line on the opposite side of the piece so that the black box slips into the rabbet. Glue, and hold in a 90 degree bend until the glue is dry. Then the black boarded section along one of the edges should slip into the left wall (H/I) rabbets found on the exterior. Glue in place.

Take the rear shop wall (M/N) and slip into the rabbets on the left wall (H/I), the floor (A), and make sure the corner rabbet where M/N joins piece K/L fits snugly. Glue in place.

5. It is now time to start raising the roof.

There are a couple options available to you to support your roof pieces on top of your building. Note: roofs are meant to be removable, so do NOT glue in place.

The car dealership partially supports the roof on the right side via the interior walls separating the rest-room and the office. So you only need to decide how to support the left side. The garage needs support for both the left and right side, and the carwash needs supports for both left and right side in each compartment (the wash side and the shop side).

The smallest supports are to use the corner supports, which are provided for both brick textures used in the project. Mount on cardstock, and fold along the black lines to form a triangular edge. Use the tabs to glue to the interiors of the corresponding edges. Glue these into the corner of you building so that the top of the wedge is .5 inches from the top of the wall. This should correspond to 4 brick layers down. In the case of the car dealership, this should line up with the interior wall on the right.

The other option is to insert the ventilation ducts that were provided. Mount on cardstock, and fold along the black lines to form a rectangular box. Glue 1 or more of these onto the walls, spanning across the room. Make sure to leave enough room to get your hand around it. These should be placed .5 inches from the top of the wall. This should correspond to 4 brick layers down. Again, in the case of the car dealership, this should line up with the interior wall on the right.

Several roof top decorations are provided to break up the roof a bit more, and to provided a good handle for grabbing and removing the roof. Mount these on cardstock, and fold along the black lines to form a rectangular box. Glue on top of a roof section where desired.

Congratulations, now get gaming

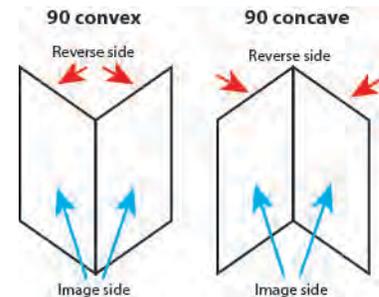
Furniture Build Instructions

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.

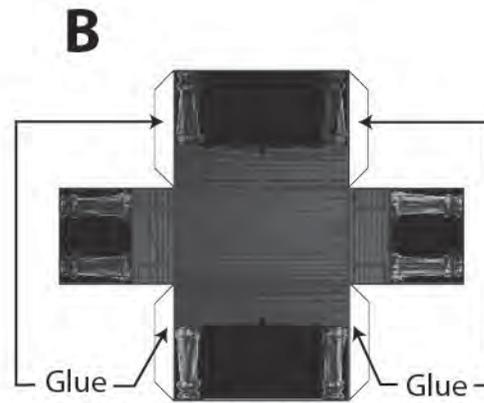
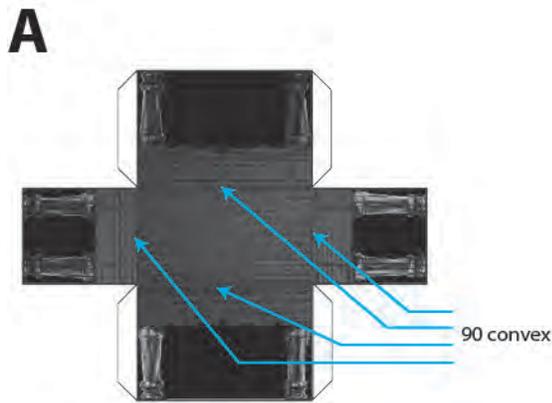
Cut out all your furniture and decorations. Draw around the edges of your cuts with black marker.

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.



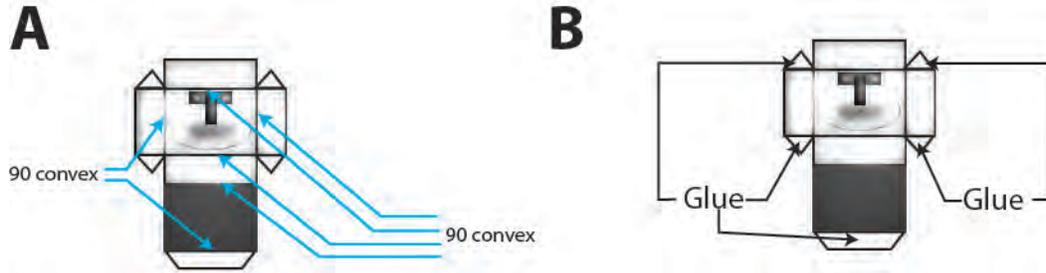
Tables, pool table, jukebox



Tables are a simple cube once assembled. Fold along the four black lines that separate the top of the table (found in the middle) from the four sides. Then fold the four white tabs ninety degrees so that they tuck under the sides of the table. Put a drop of glue on the white tabs to permanently fix in place.

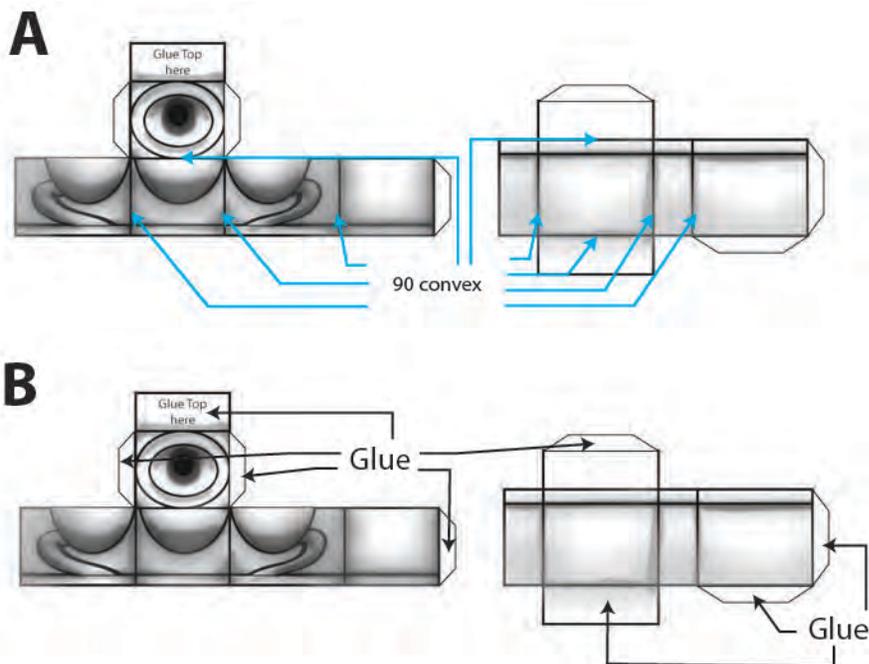
Cut out the circular wooden table topper and simply glue on top of the table.

Sink, fuse box



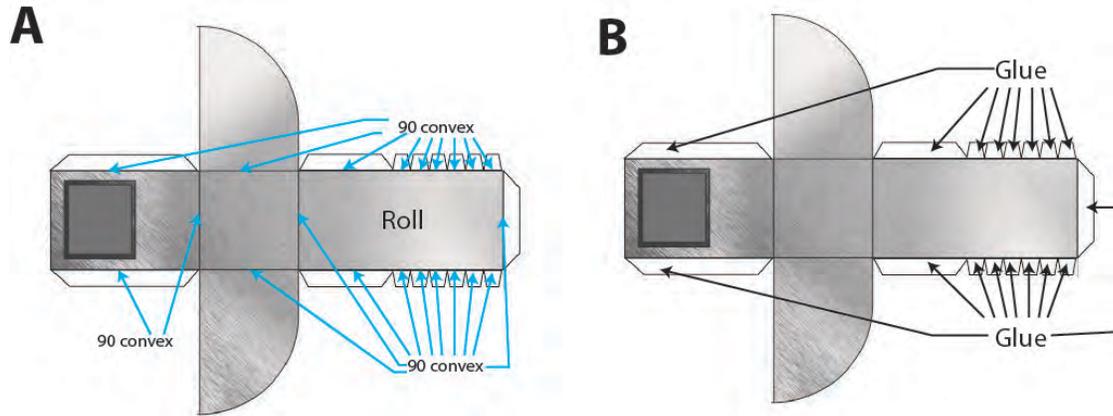
Sinks are a simple cube once assembled. Fold along the four black lines that separate the (found in the middle) from the four sides. Then fold the four white tabs ninety degrees so that they tuck under the sides of the sink. Put a drop of glue on the white tabs to permanently fix in place. Glue on to the wall where desired.

Toilets



Toilets come into two pieces, a bottom and a top, but both pieces are a simple cube once assembled. Fold along the four black lines that separate the front (found in the middle) from the sides, top and bottom. Then fold the four white tabs ninety degrees so that they tuck under the sides of the table. Put a drop of glue on the white tabs to permanently fix in place. Glue the toilet top on top of the toilet bottom.

Roof ventilation exhaust



The square in the middle of the image is the bottom of the unit. Fold ninety degrees along each of the lines separating the bottom from the sides. Fold all the white tabs inward, and glue the four lowest white tabs under the adjacent side. Gently roll the top of the ventilation forward and glue the small tabs in place. Finally, glue the long white tab on the end under the front of the unit.

General notes on vehicle assembly

In the following few pages you will see the assembly maps for the multitude of cars and trucks provided in this project. In general I have scaled these to be in line with most 28-30 mm miniatures, however, personal preferences and mileage will certainly vary from driver to driver, depending on if you are using existing matchbox™ or larger diecast vehicles already. Simply adjust the print percentages to scale these to your personal comfort zone.

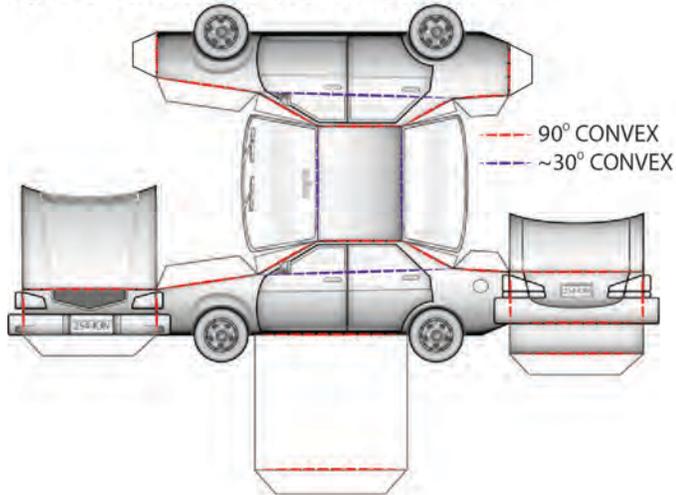
You will not on most vehicles there is a slight slope from the roof down to the base of the window line. Don't forget to fold along this line (indicated in the next pages) to adjust for the difference in size.

Some of the vehicles have a curved windshield (you will see an oval shaped hole in the hood). After you have glued the white tabs under such a windshield, take your thumb behind and index finger in front, and gently push out and roll to put the small curve into the paper/card before proceeding.

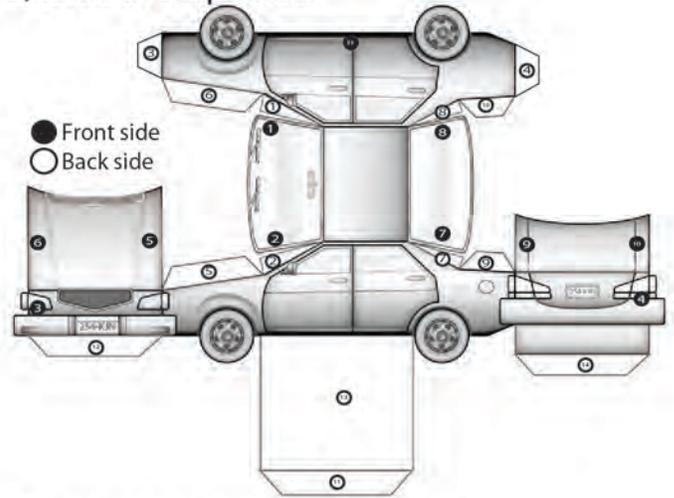
Under carriage 3-D wheels are supplied for each vehicle. Certainly these are optional. If the vehicles are printed on heavy card, you may not need the under wheels for strength purposes, and may decide to skip this step if time is critical.

Standard Car Assembly

A) Pre-fold all bends as indicated.



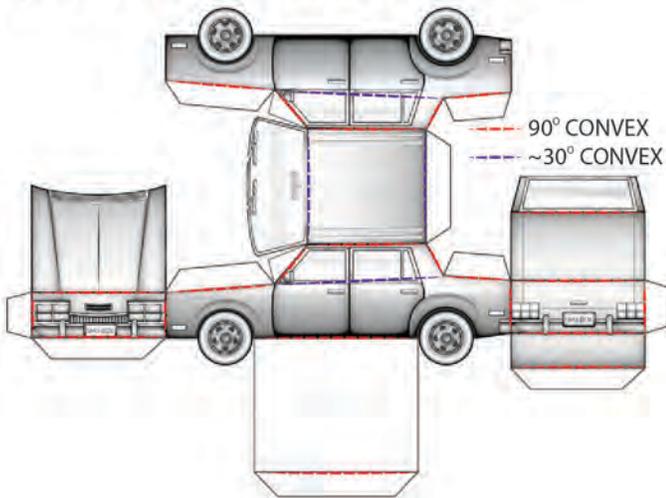
B) Glue in sequence.



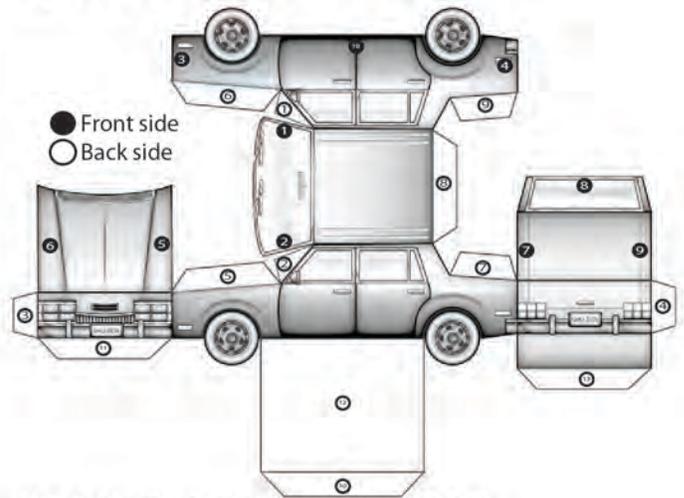
12-14 glue to the undercarriage rectangular piece supplied seperately

Shoe-box, SUV, Station-wagon, Echo Assembly

A) Pre-fold all bends as indicated.



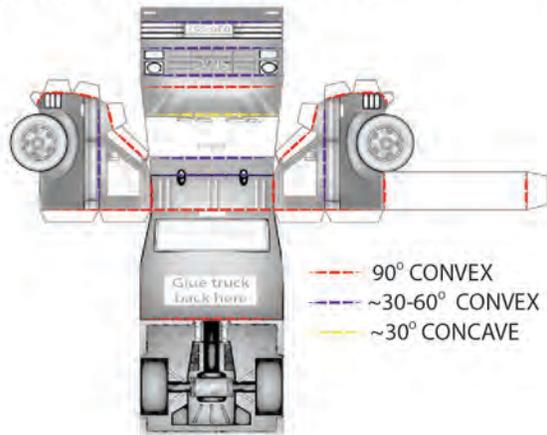
B) Glue in sequence.



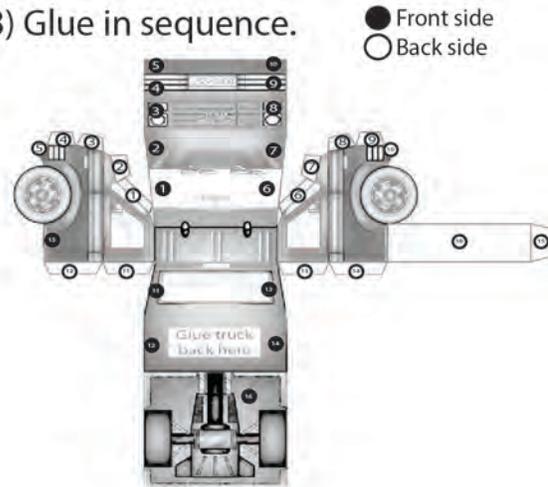
11-13 glue to the undercarriage rectangular piece supplied seperately

Truck cab, Van Assembly

A) Pre-fold all bends as indicated.

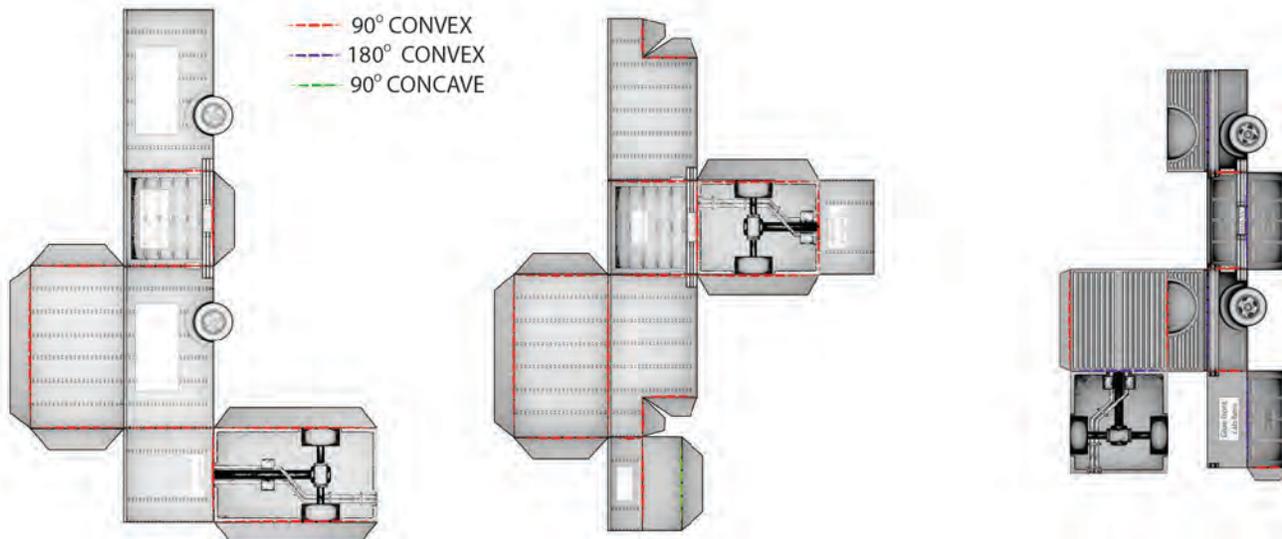


B) Glue in sequence.

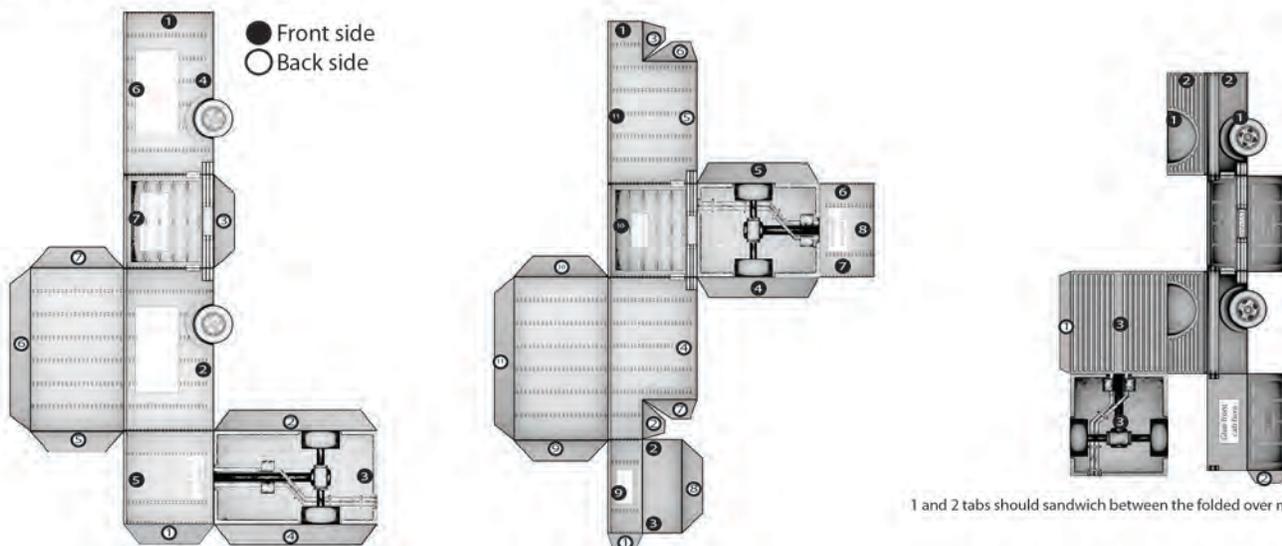


Optional Truck Backs Assembly

A) Pre-fold all bends as indicated.



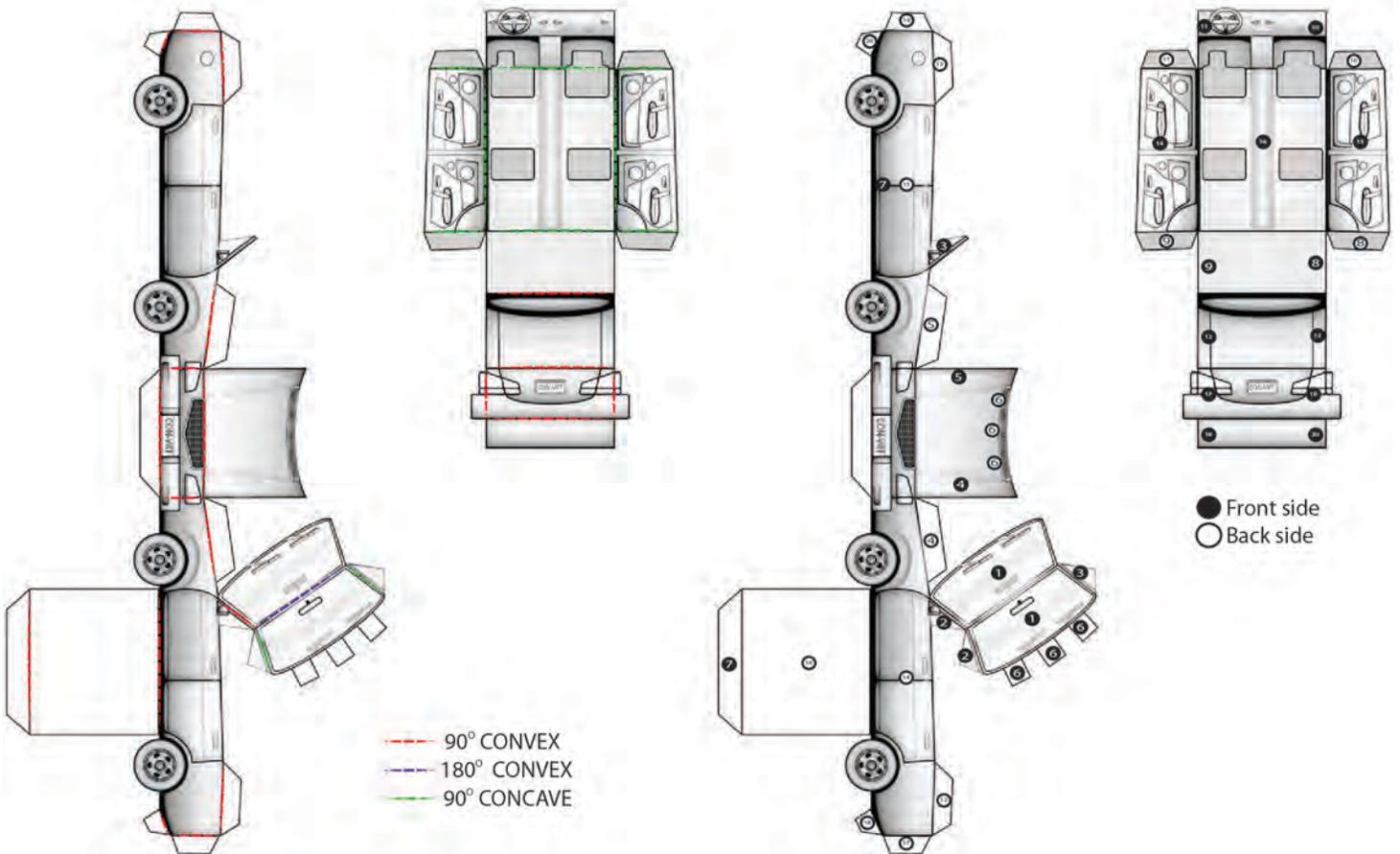
B) Glue in sequence.



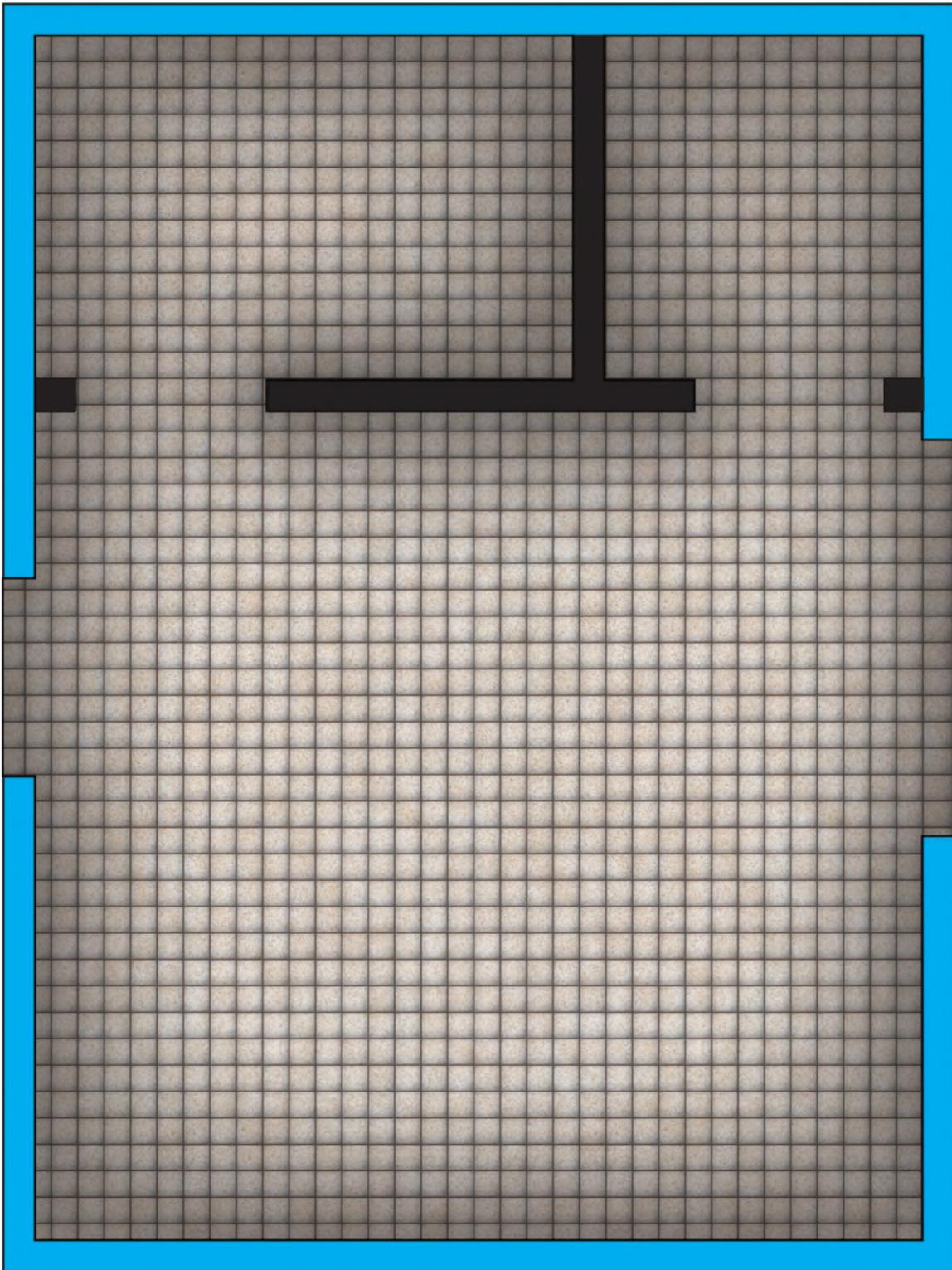
Convertible Assembly

A) Pre-fold all bends as indicated.

B) Glue in sequence.



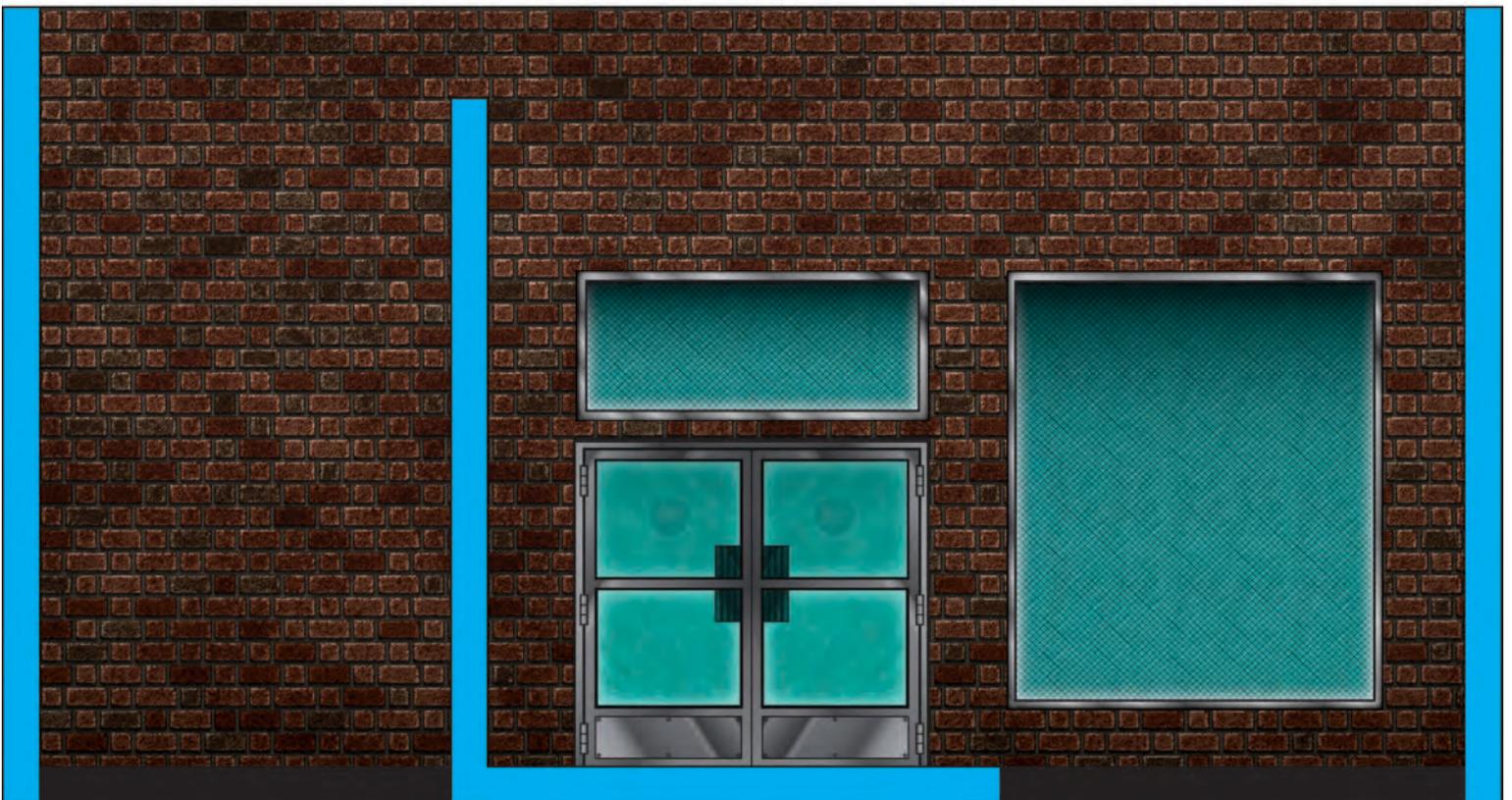
Car dealer A



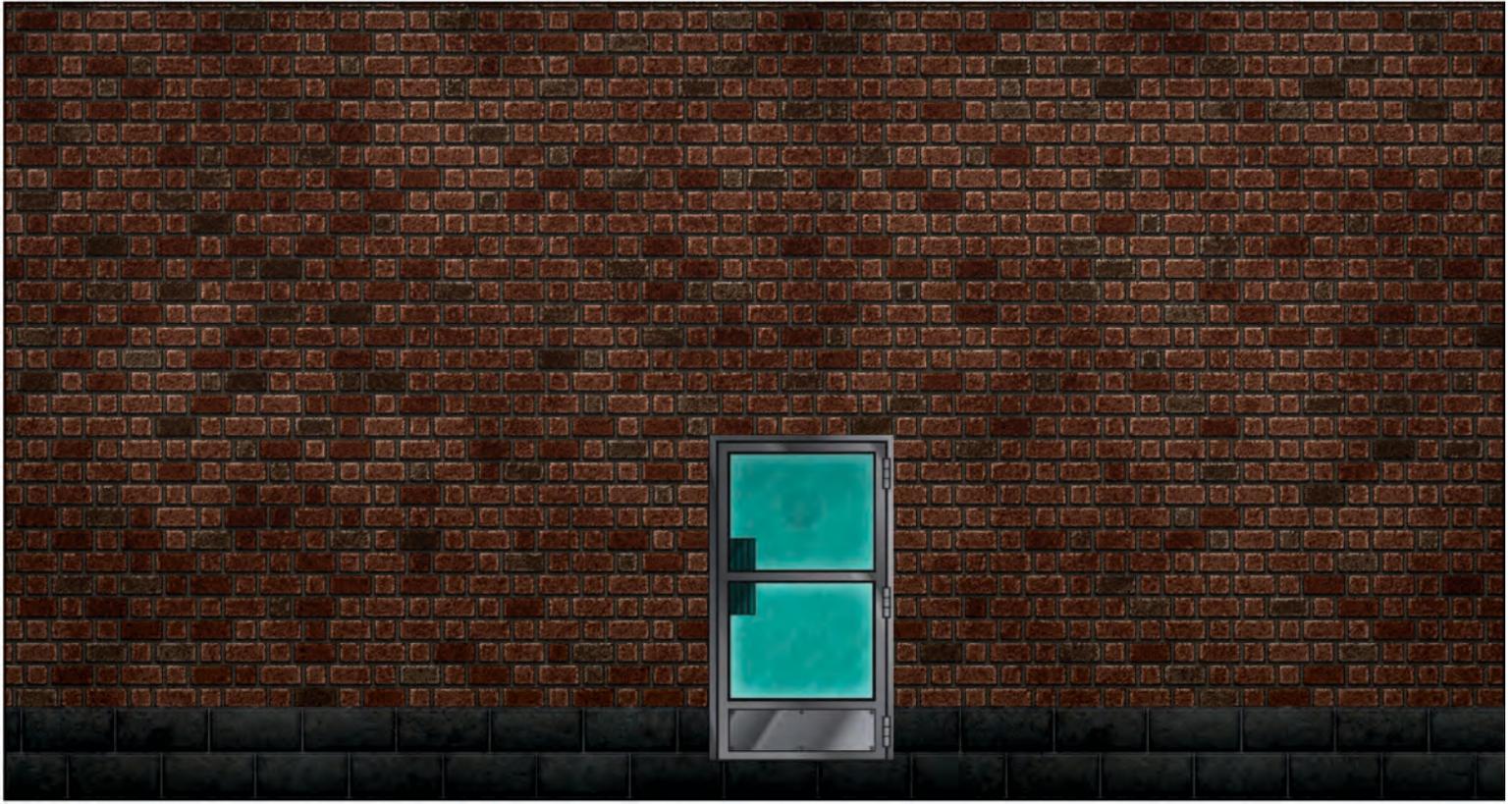
Car dealer B



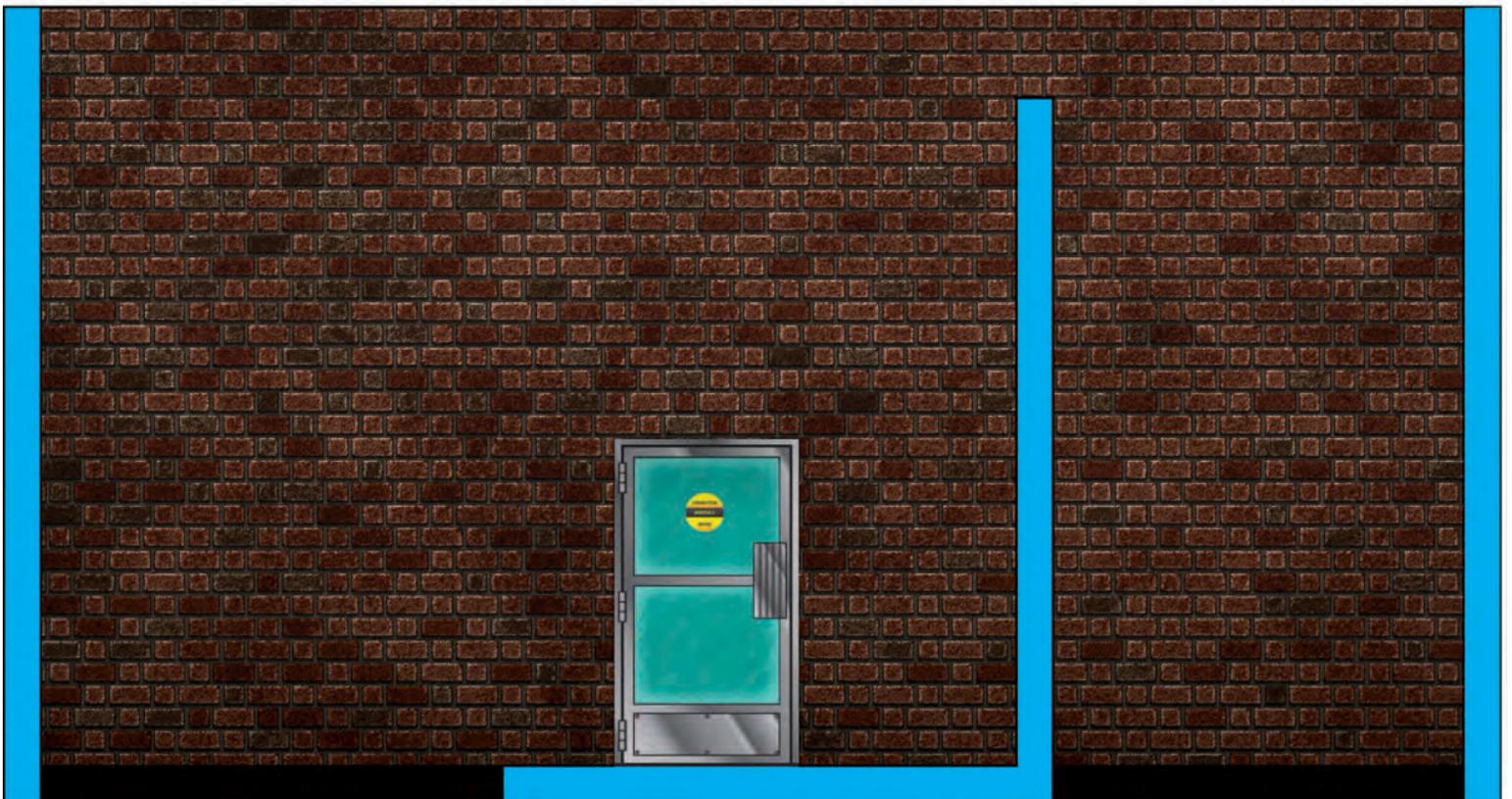
Car dealer C



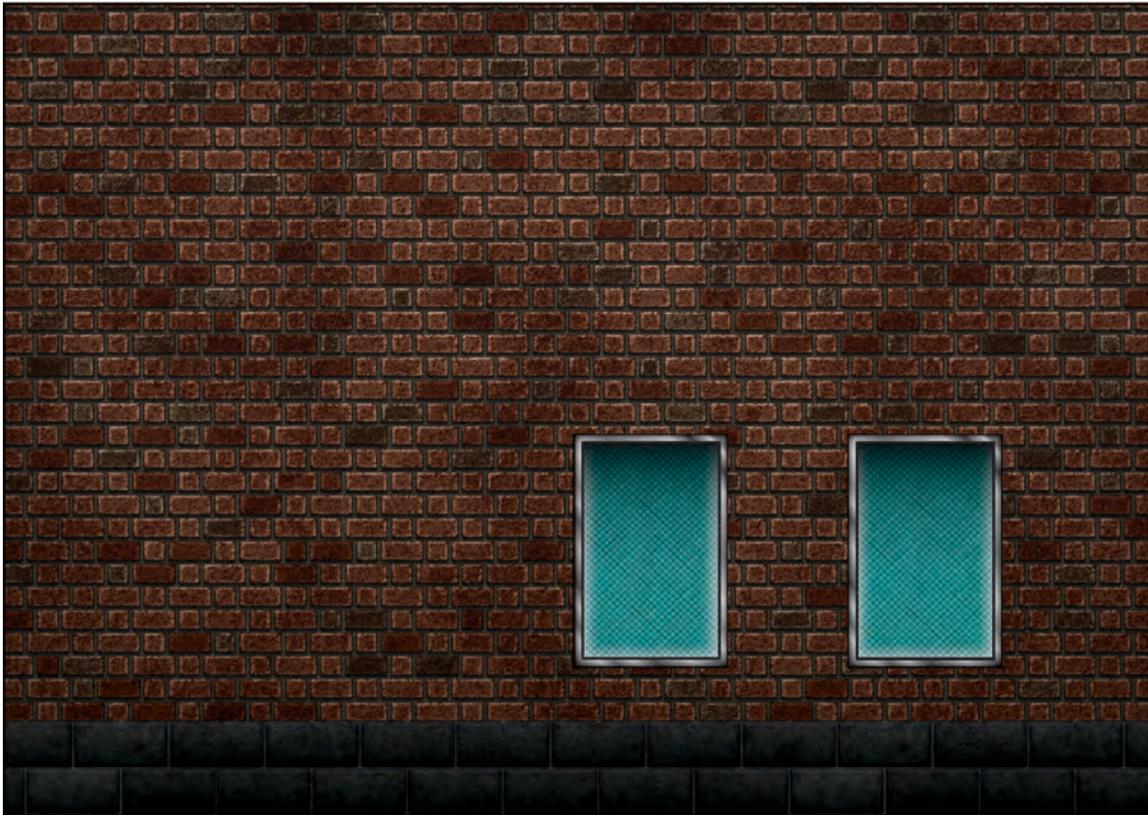
Car dealer D



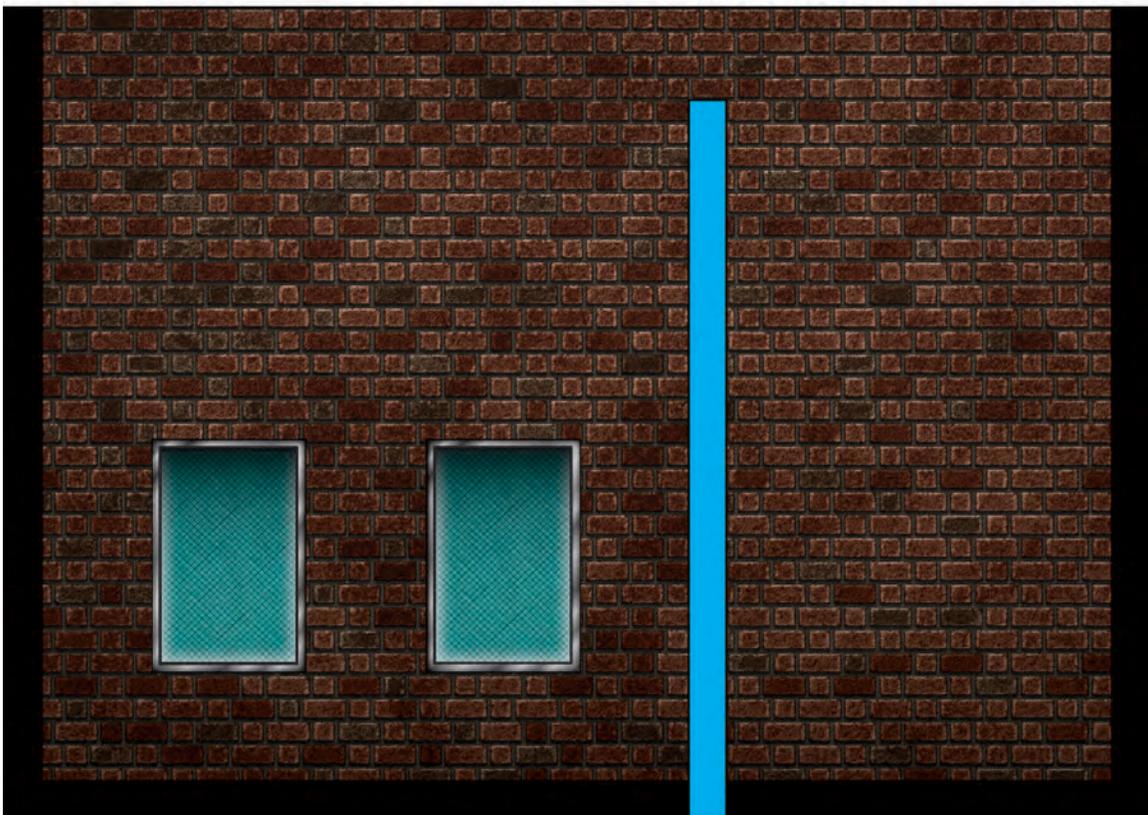
Car dealer E



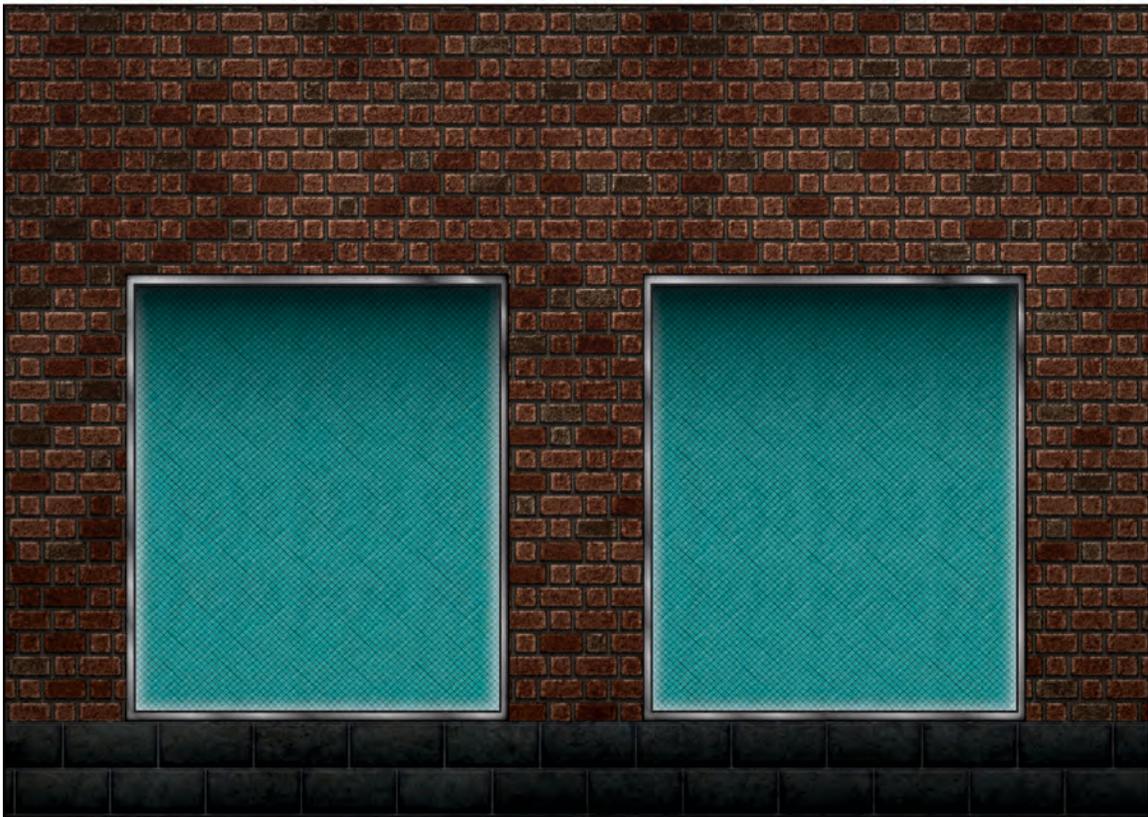
Car dealer F



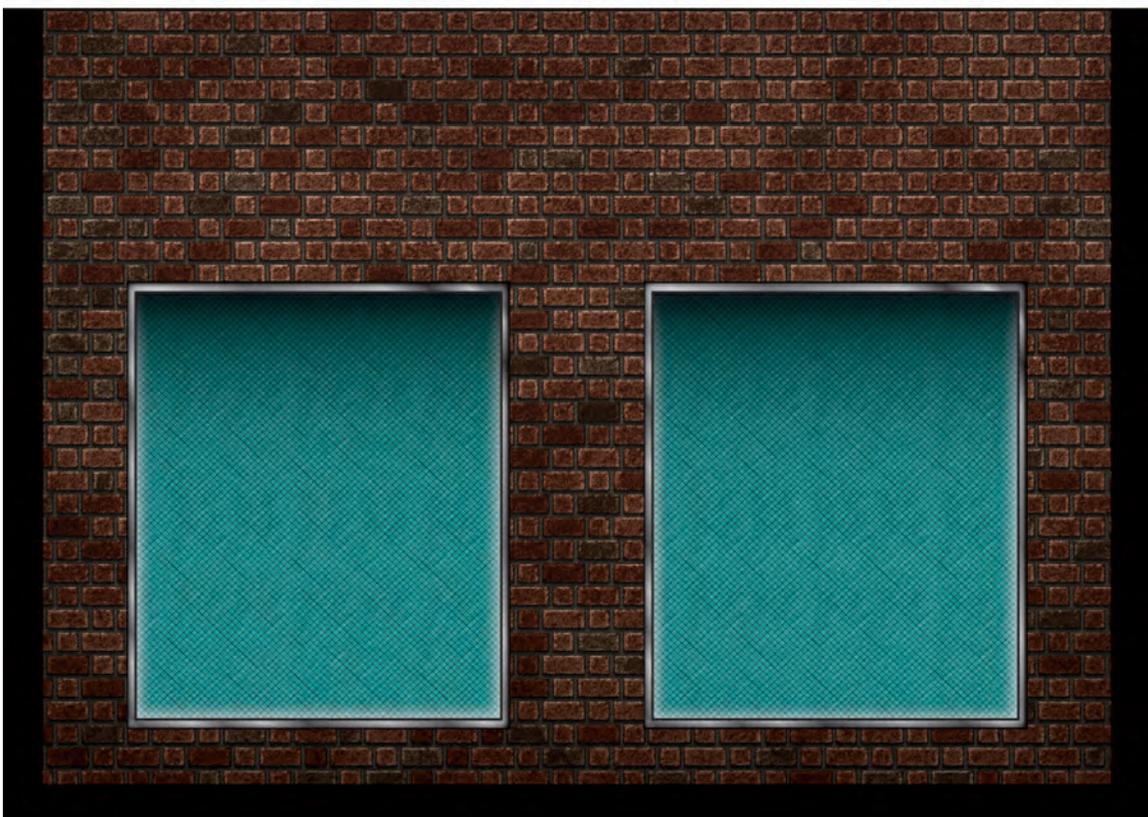
Car dealer G



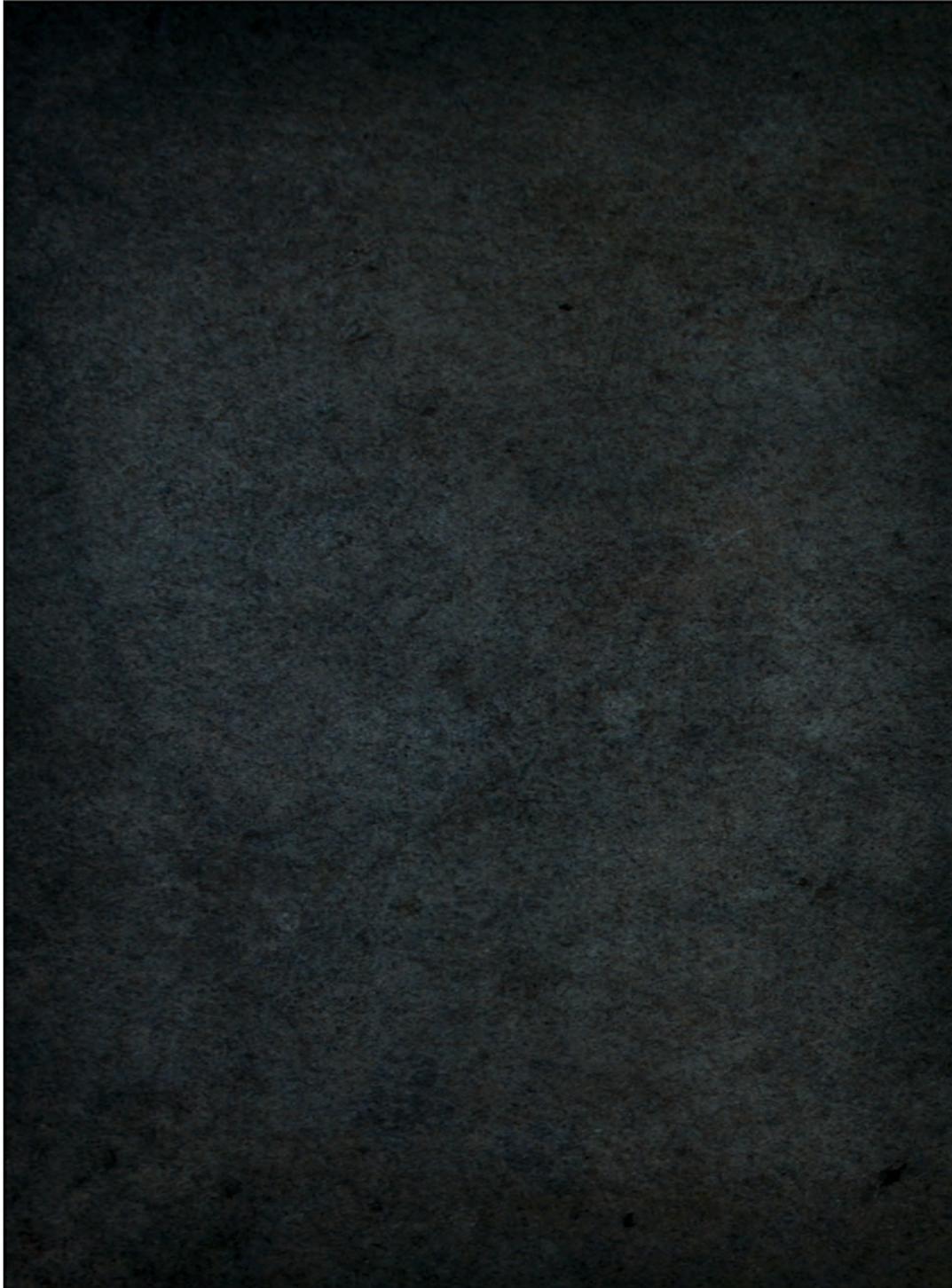
Car dealer H



Car dealer I



Car dealer J



K



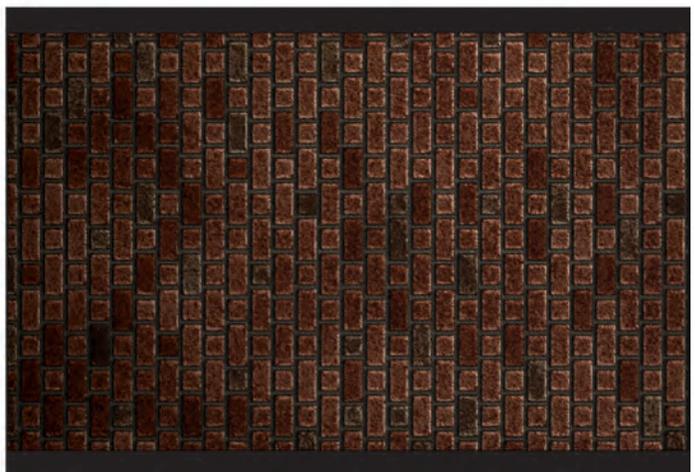
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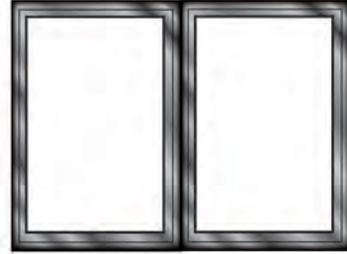
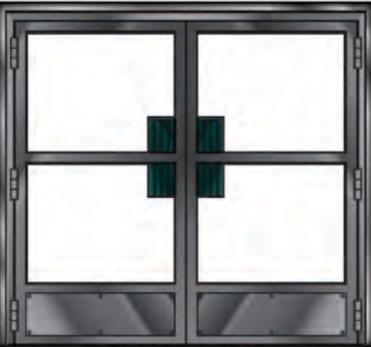
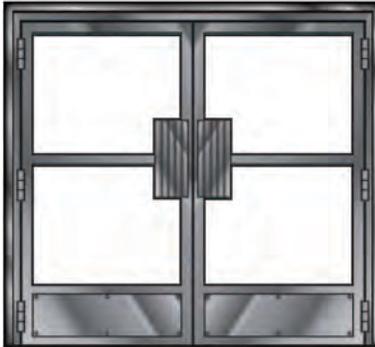
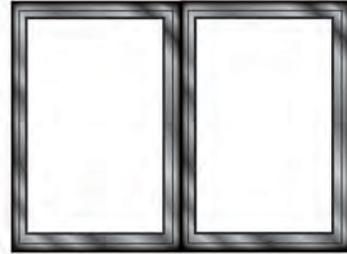
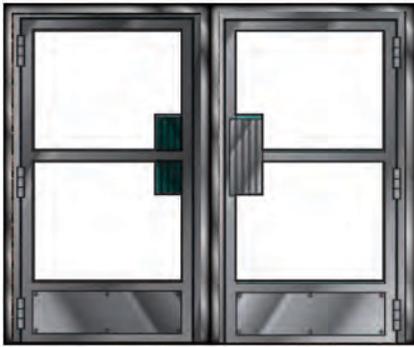
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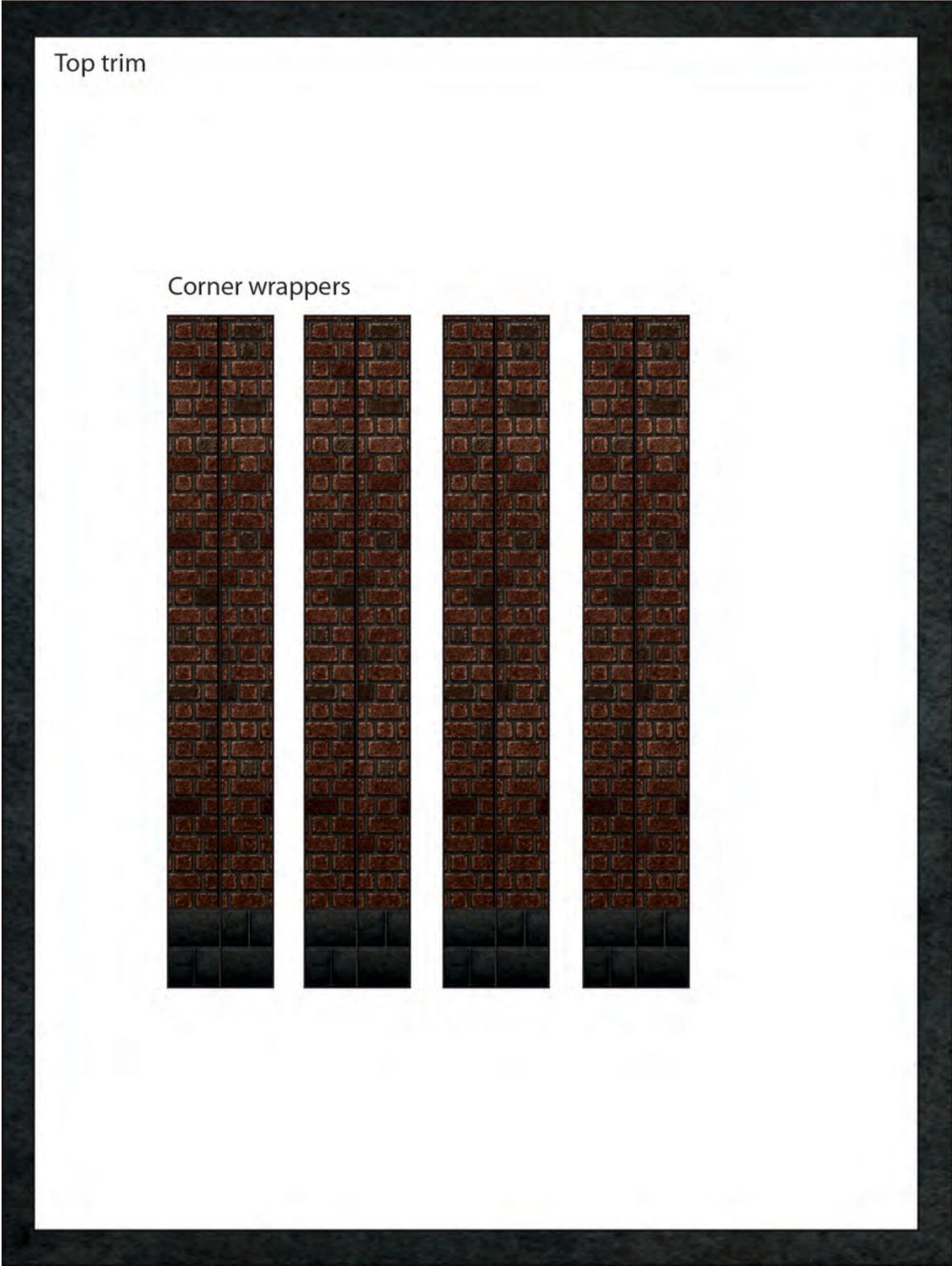


M



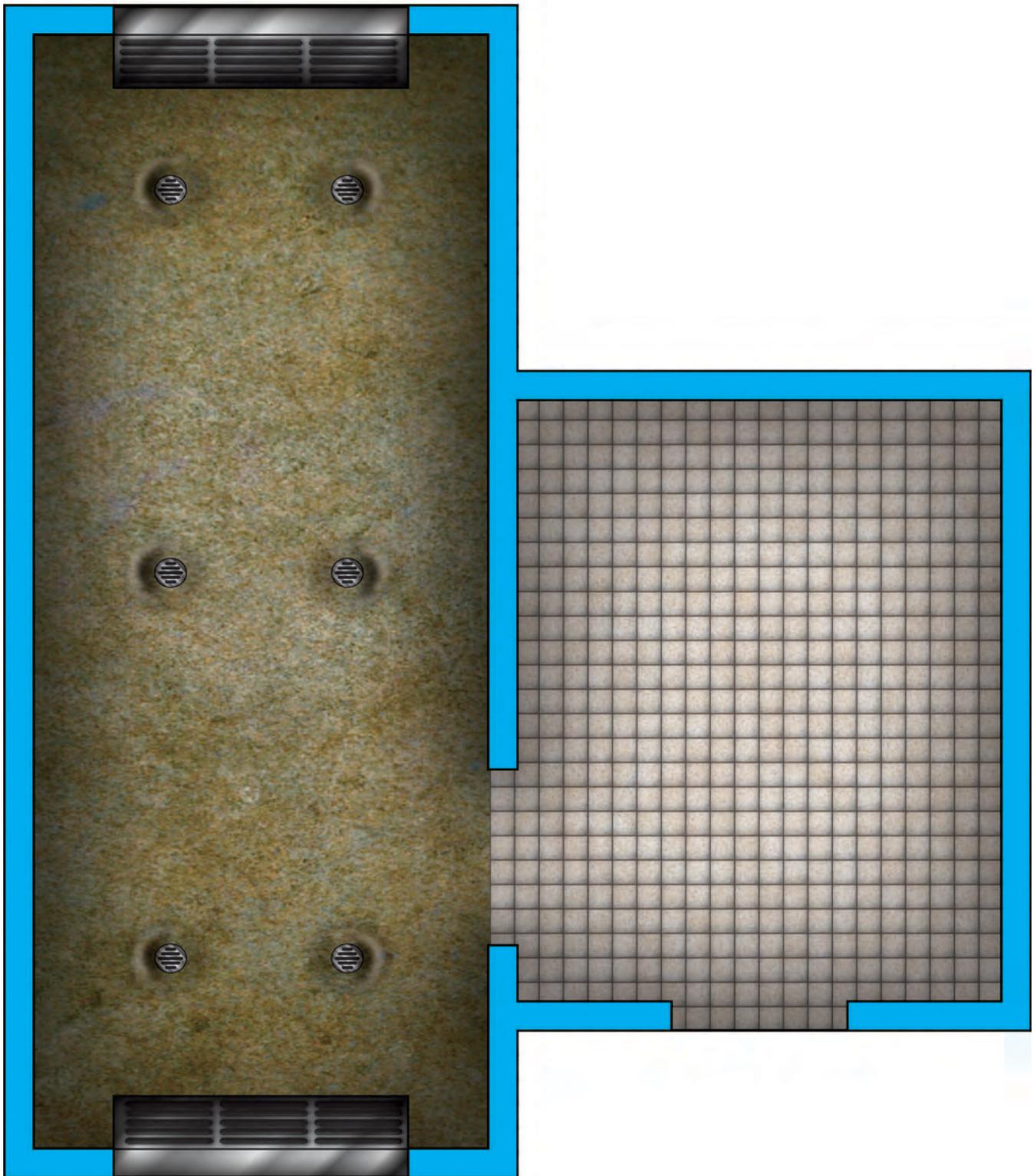
Car Dealership Oooooopppps trim



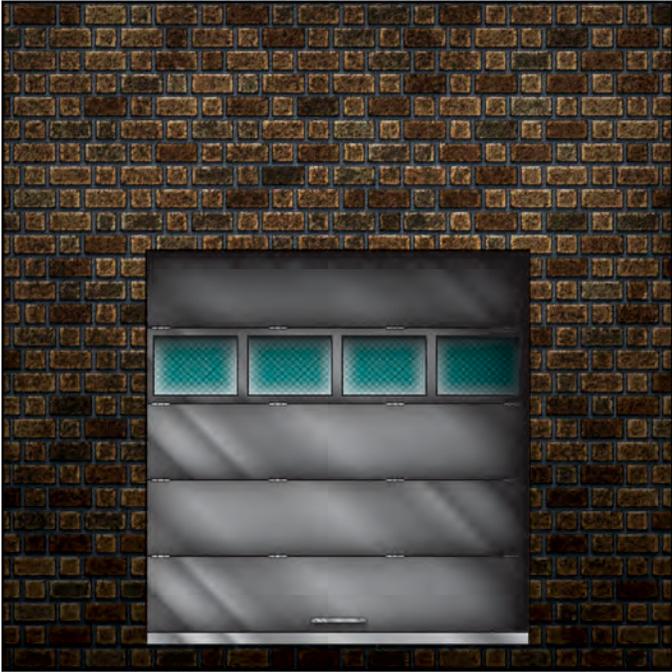




Carwash A



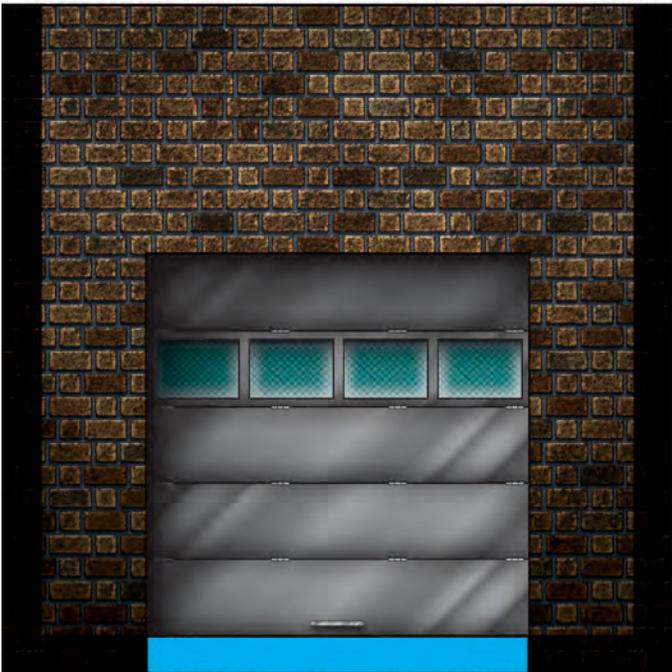
Carwash B



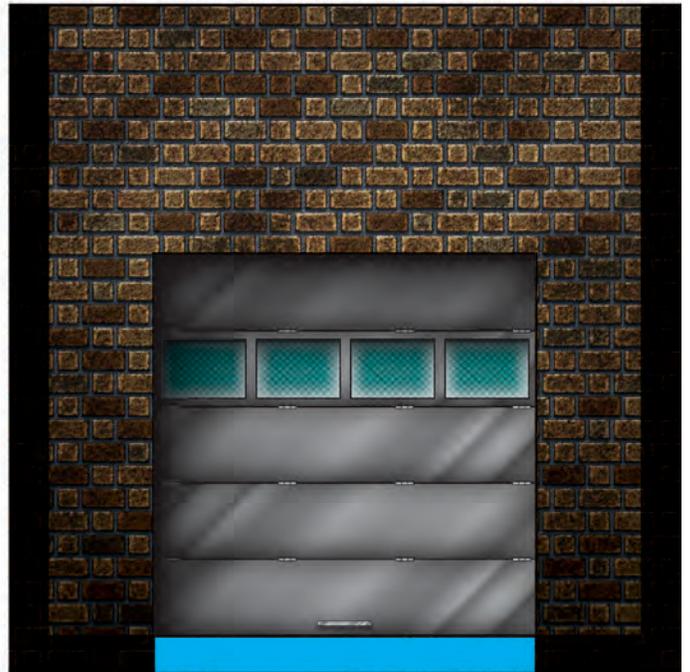
Carwash D



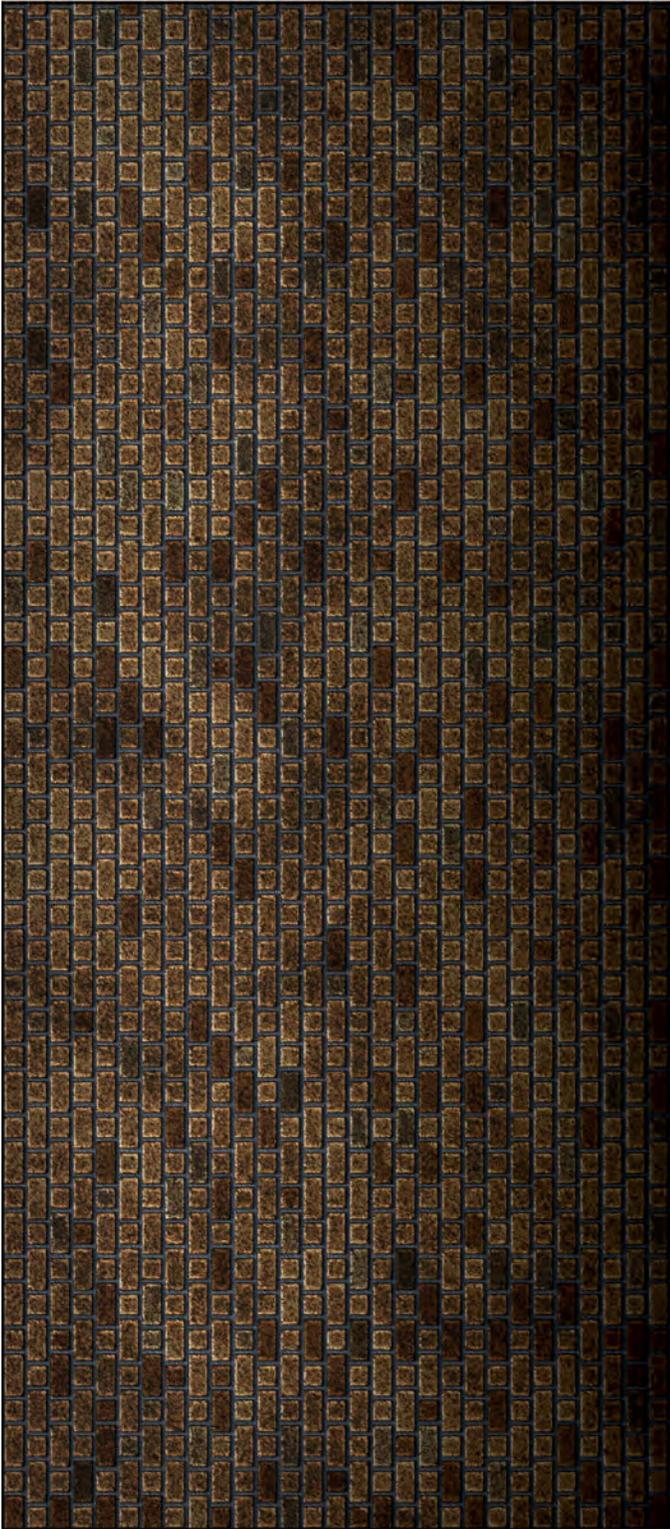
Carwash C



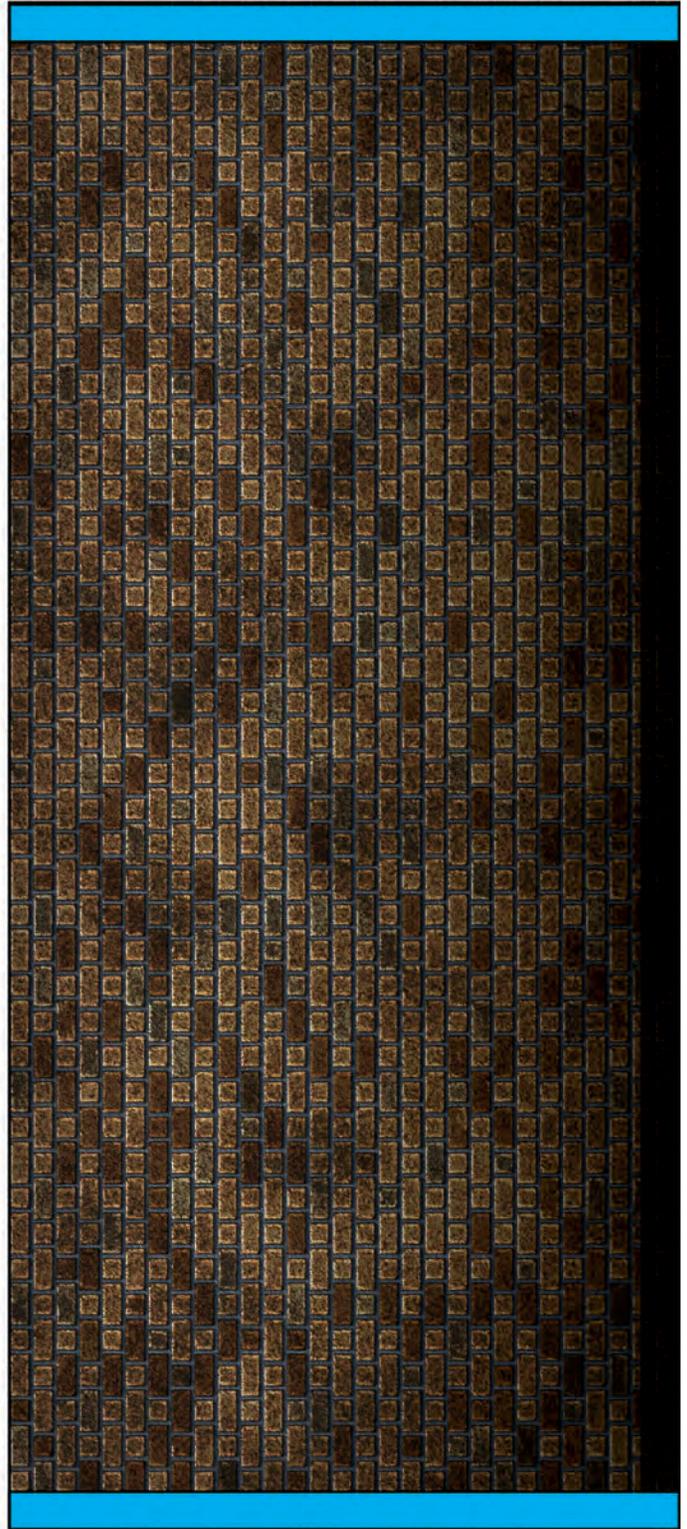
Carwash E



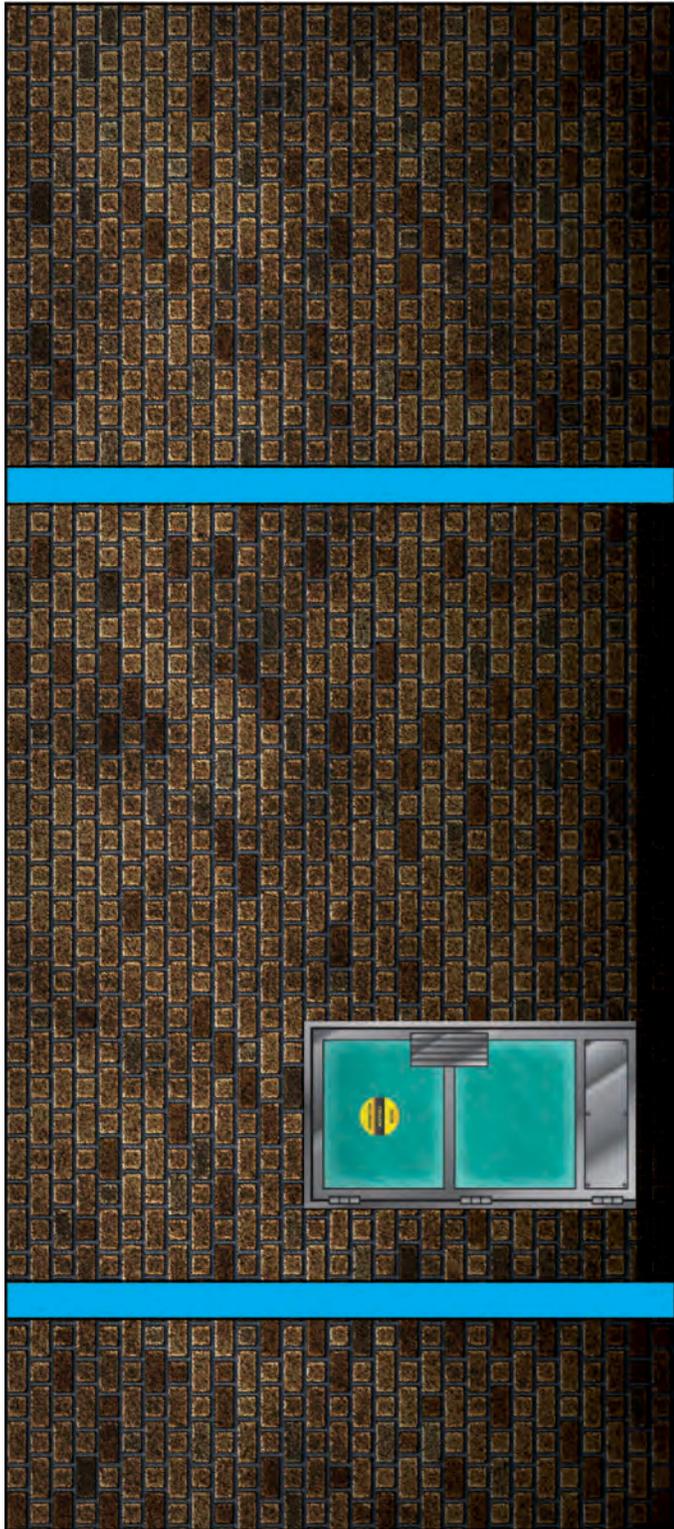
Carwash F



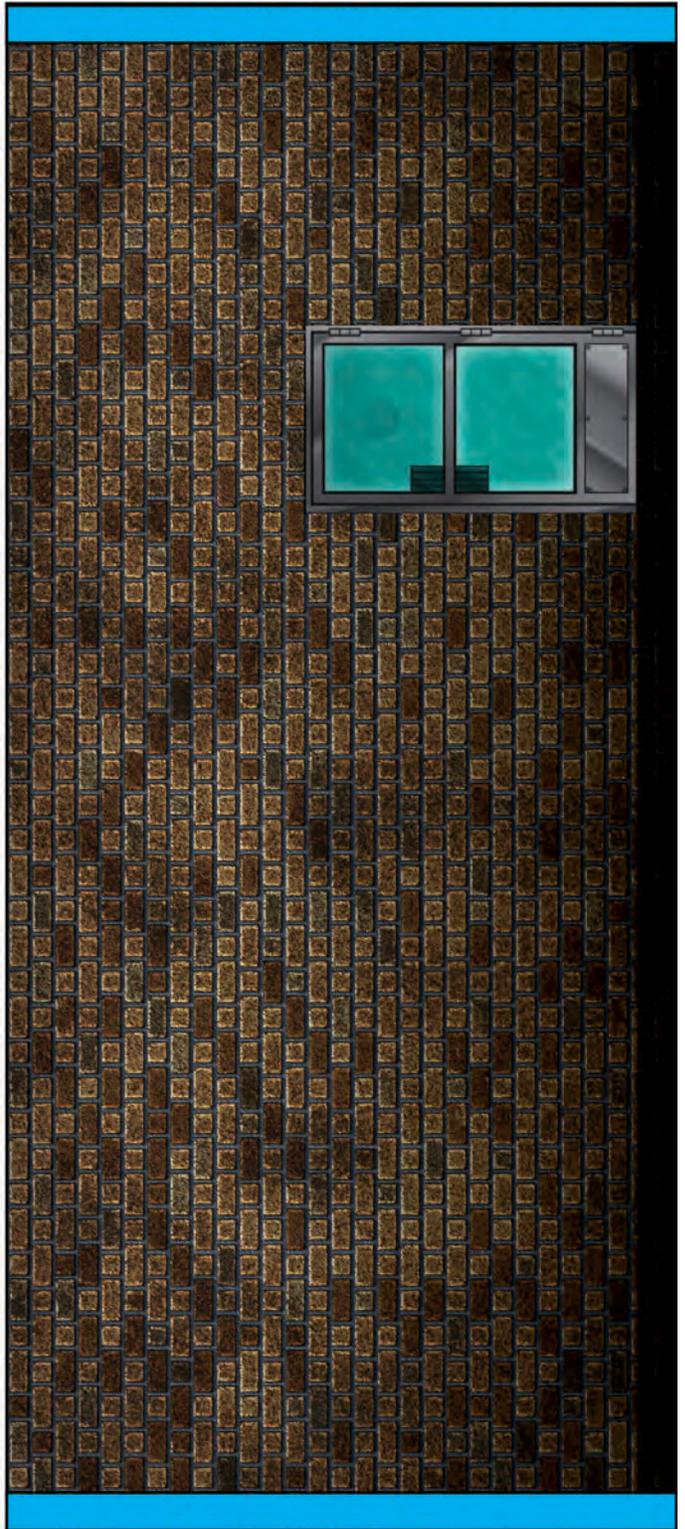
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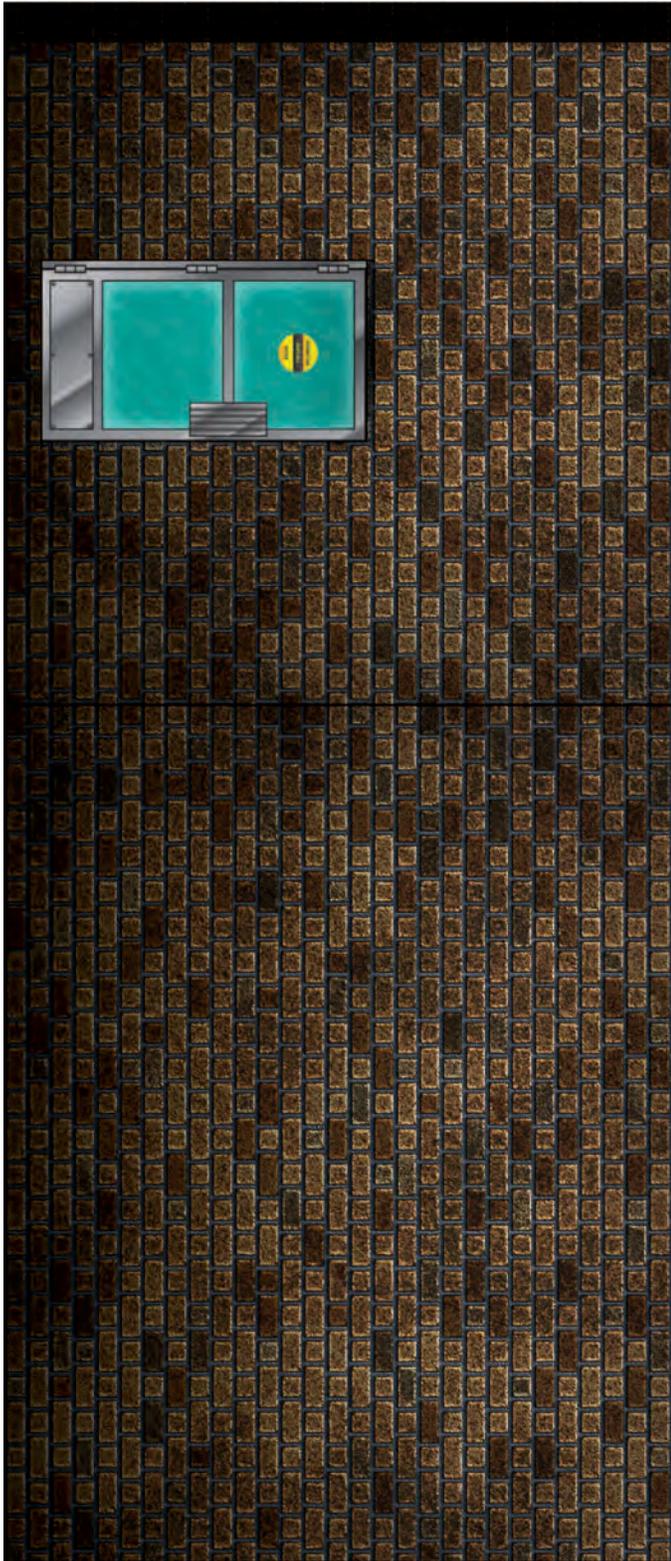
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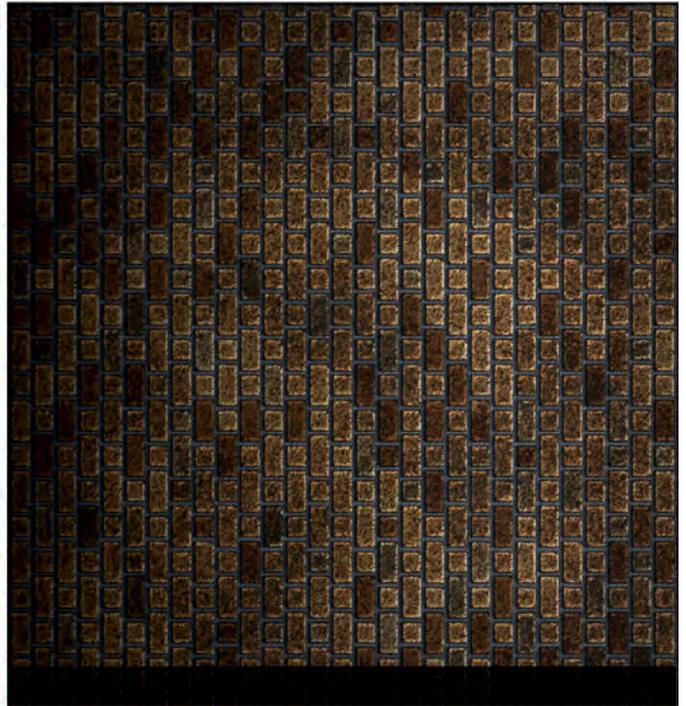
Carwash I



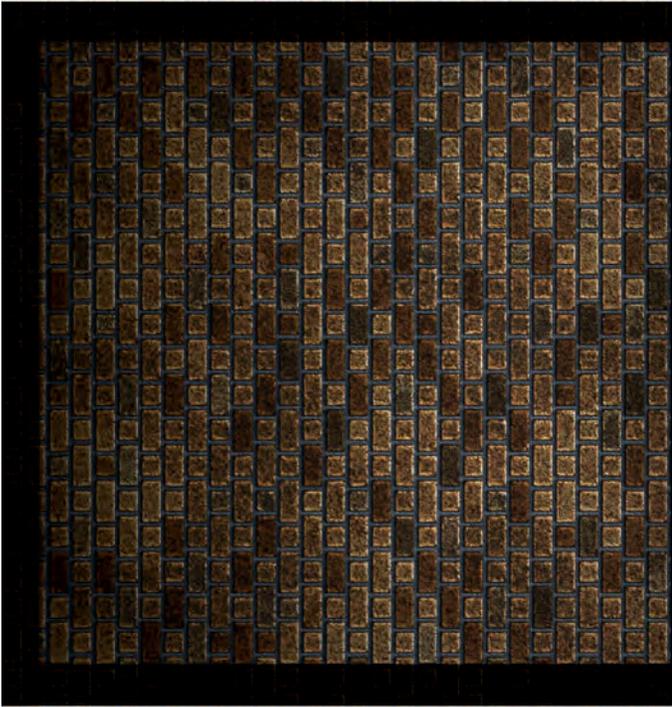
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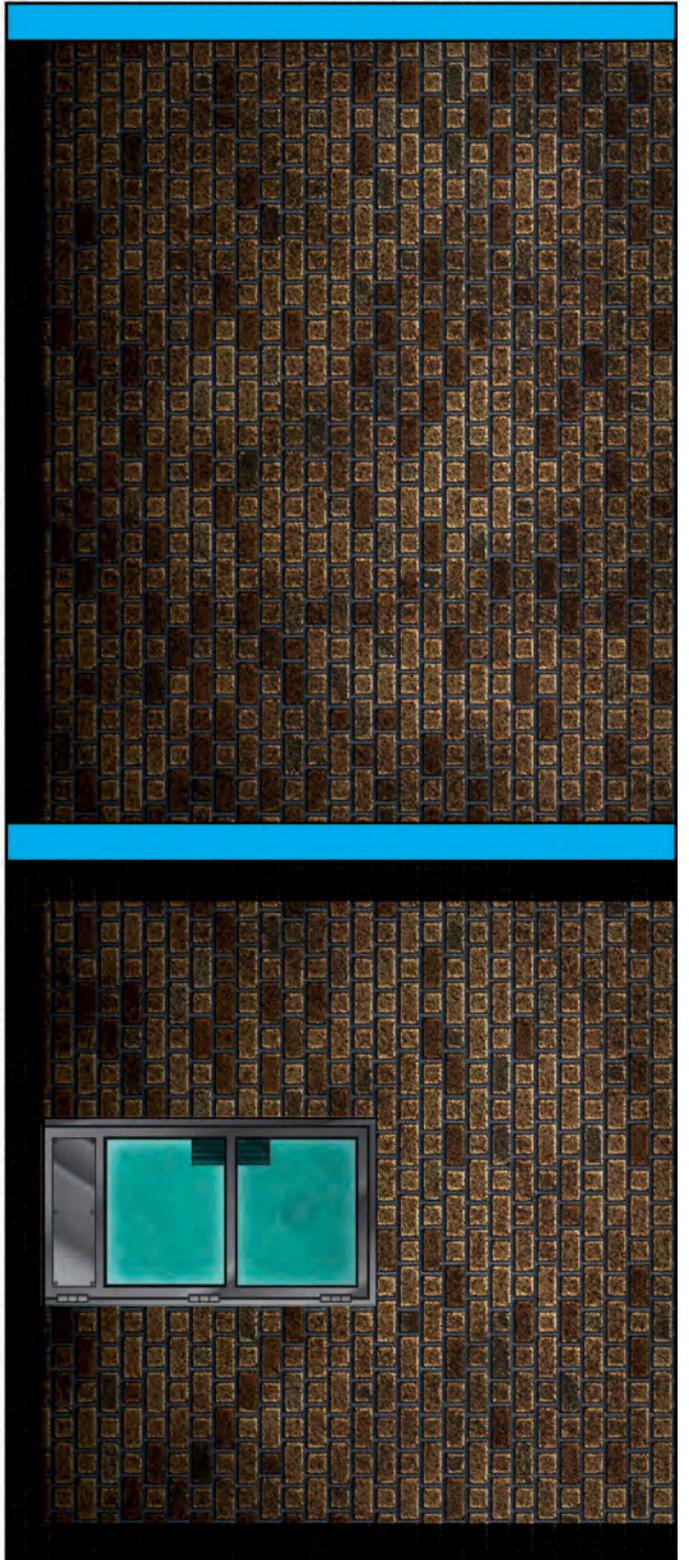
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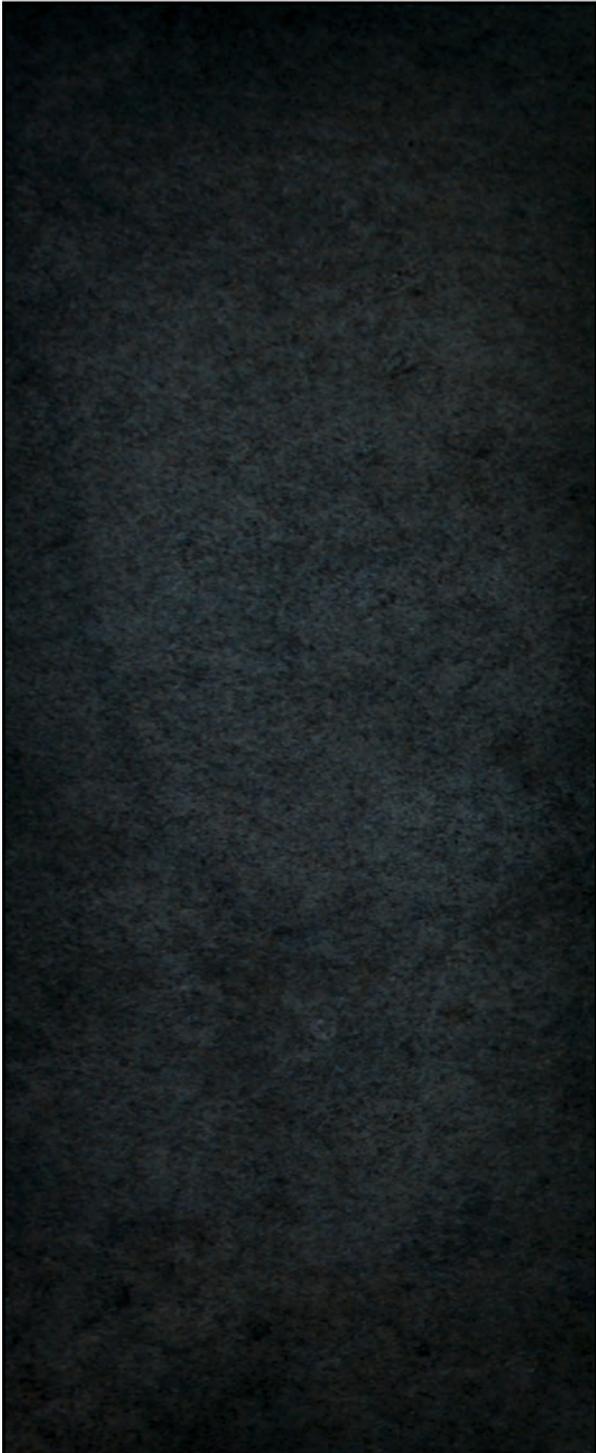
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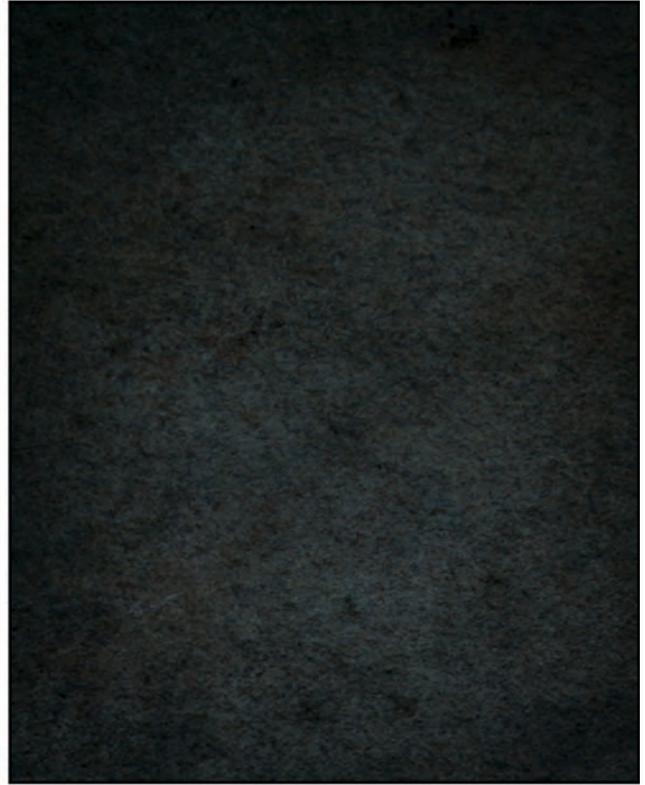
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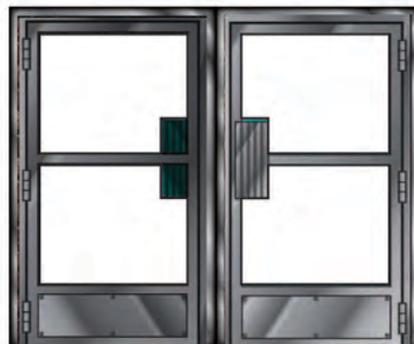
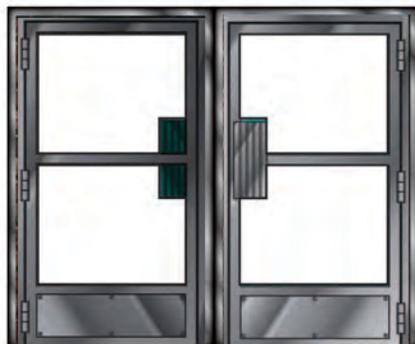
Carwash N



Carwash O

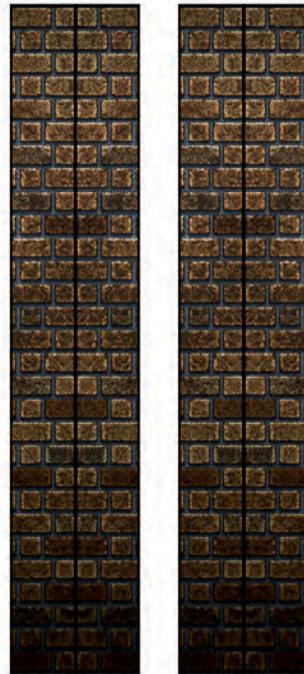
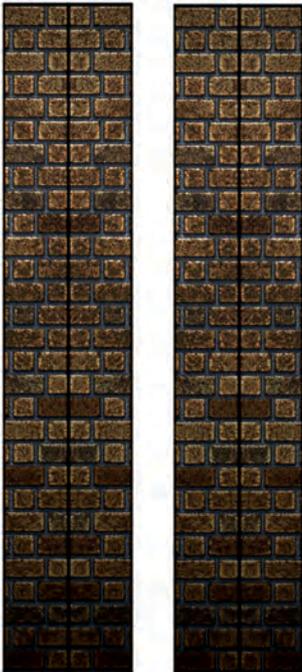


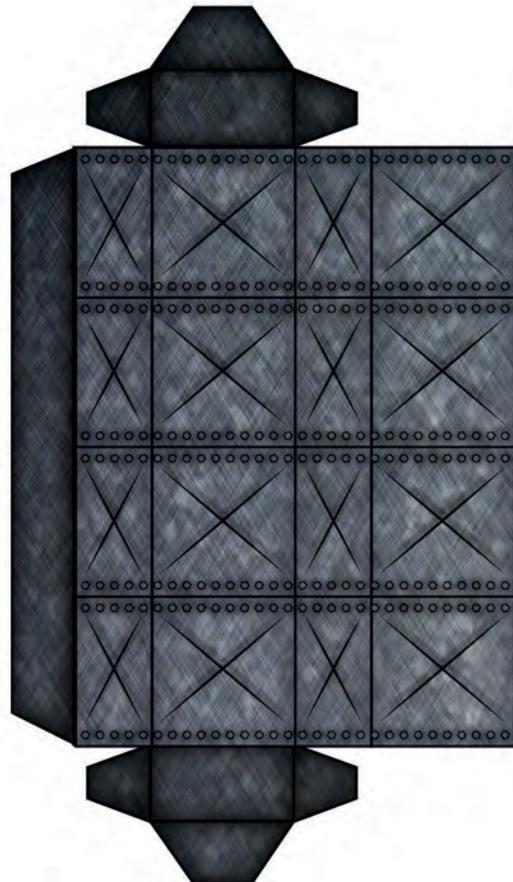
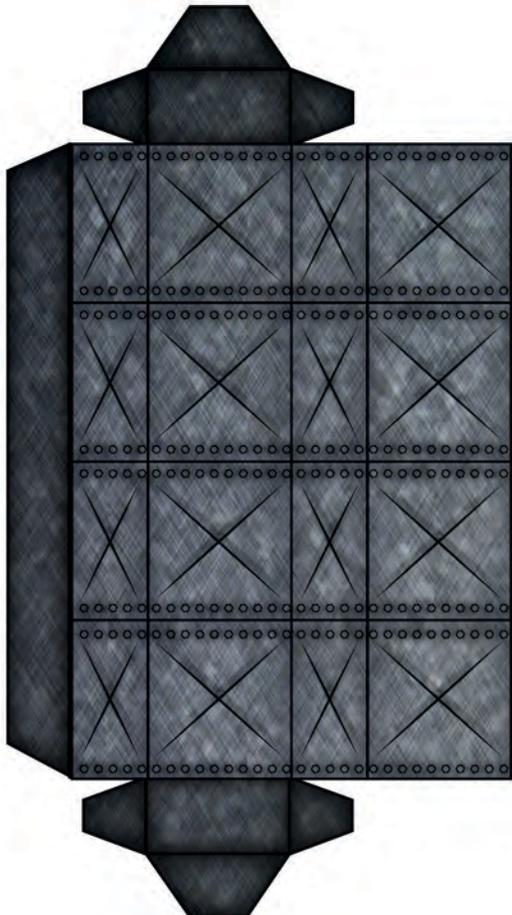
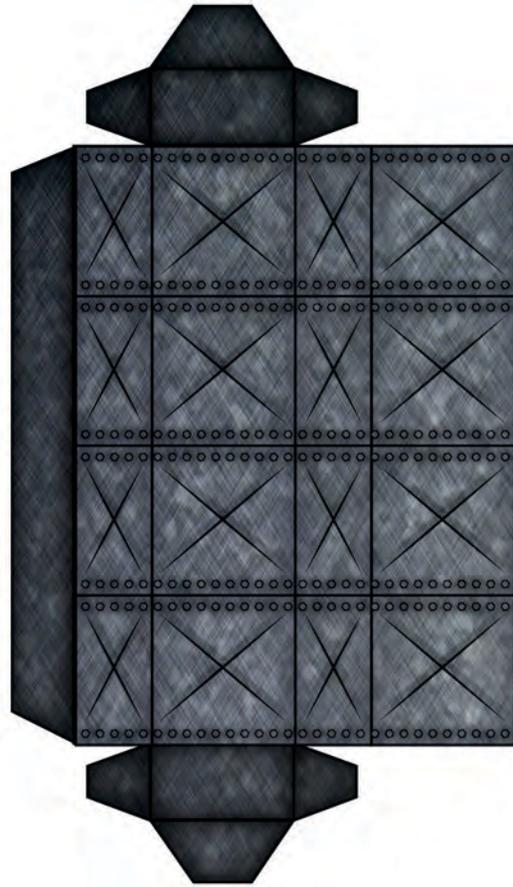
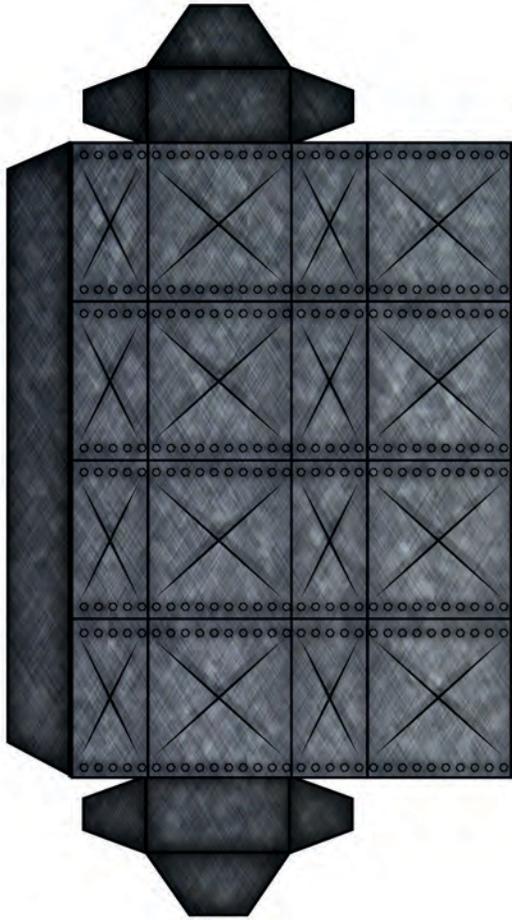
Carwash Oooooopppps trim



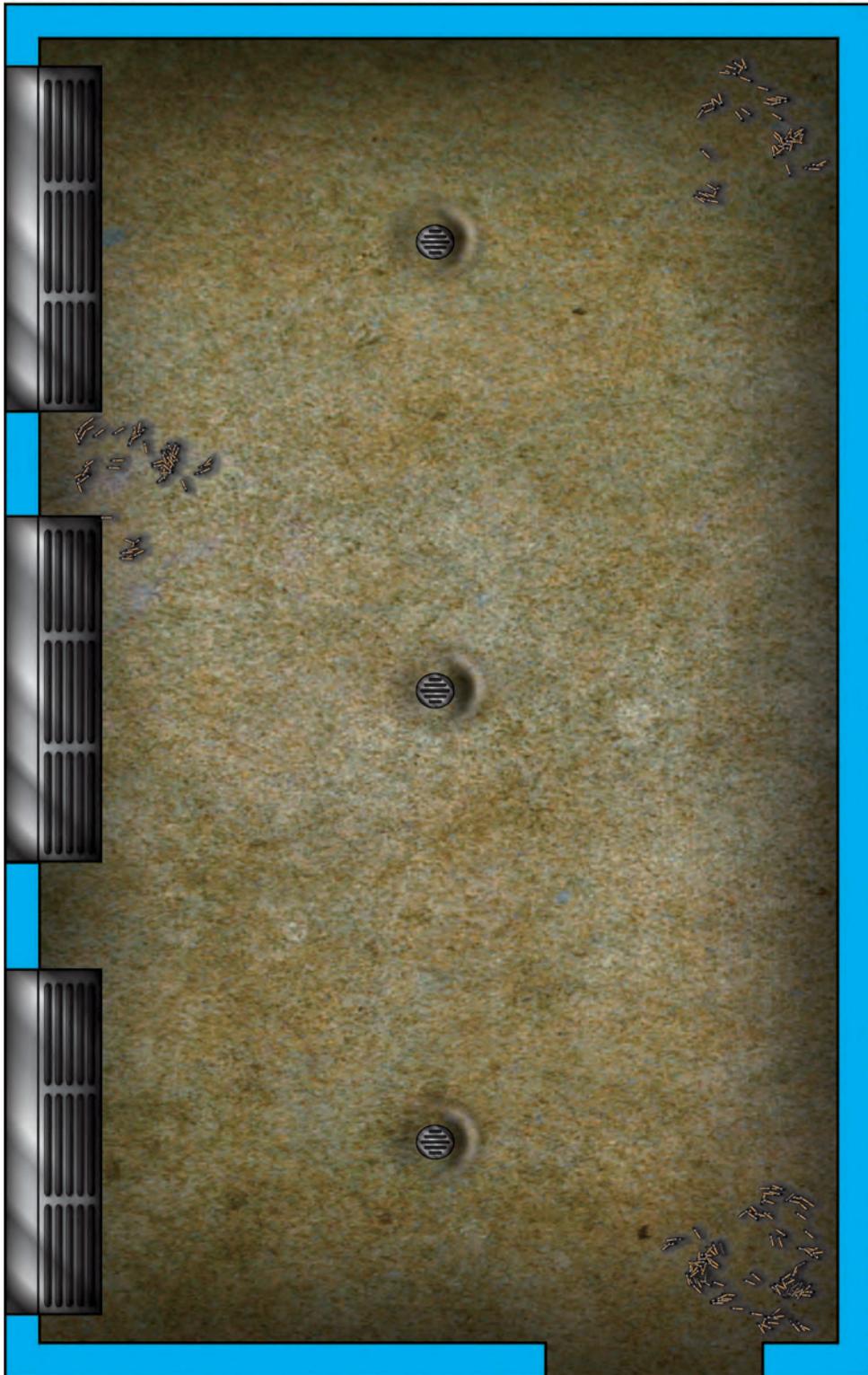
Top trim

Corner wrappers

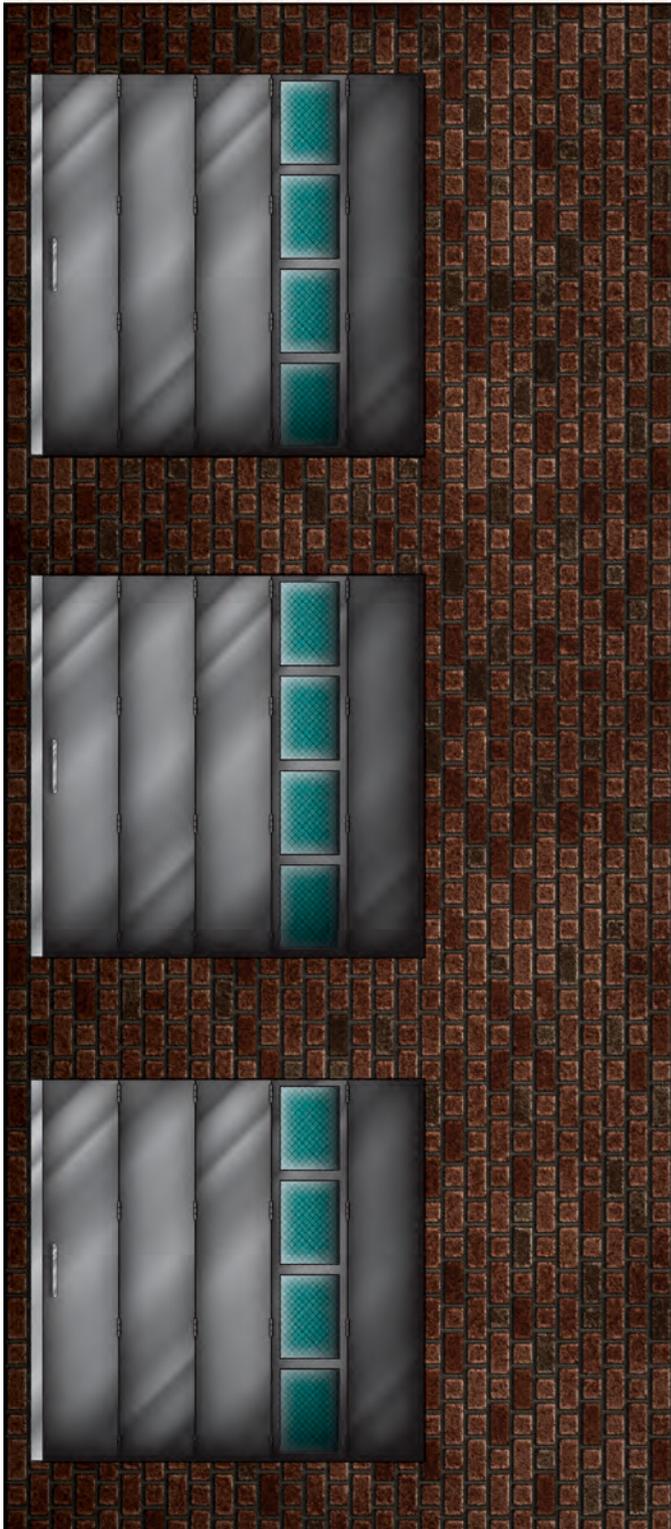




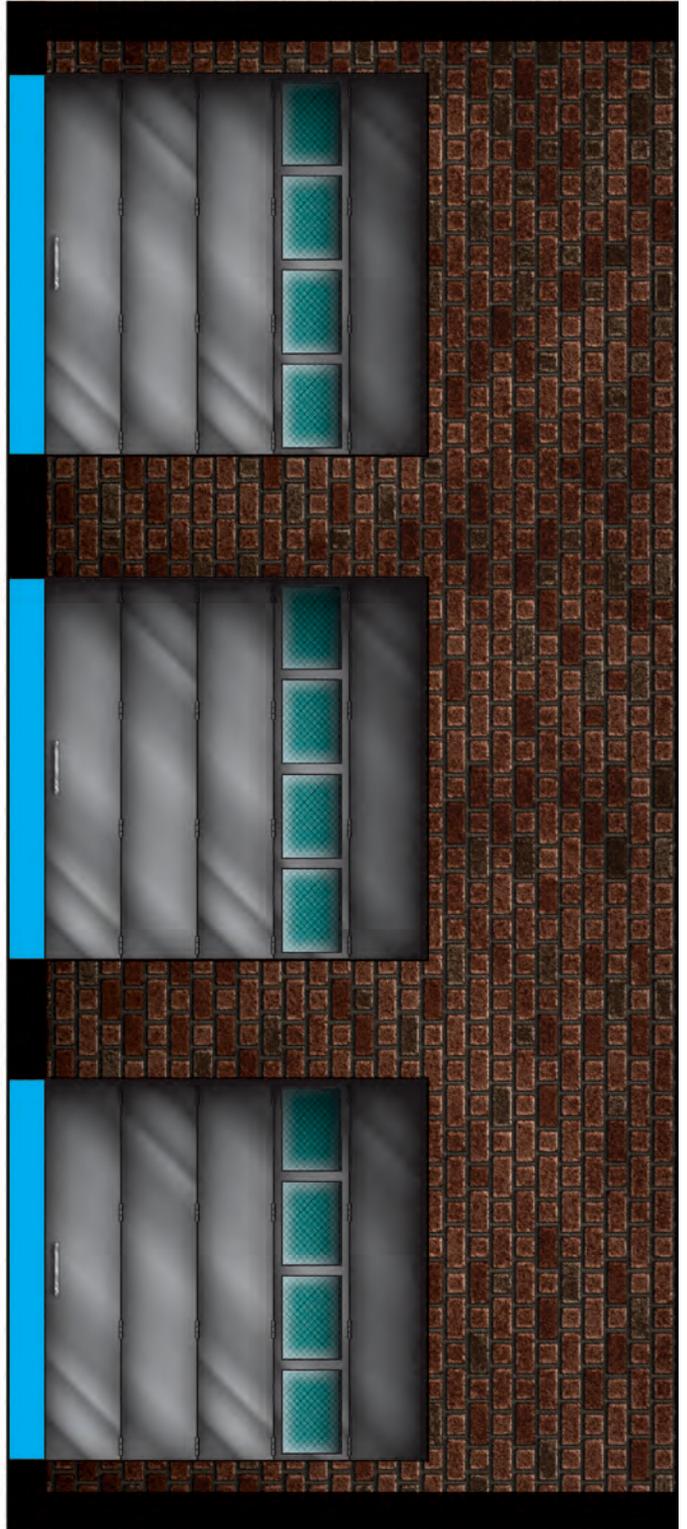
Garage A



Garage B



Garage C



Garage D



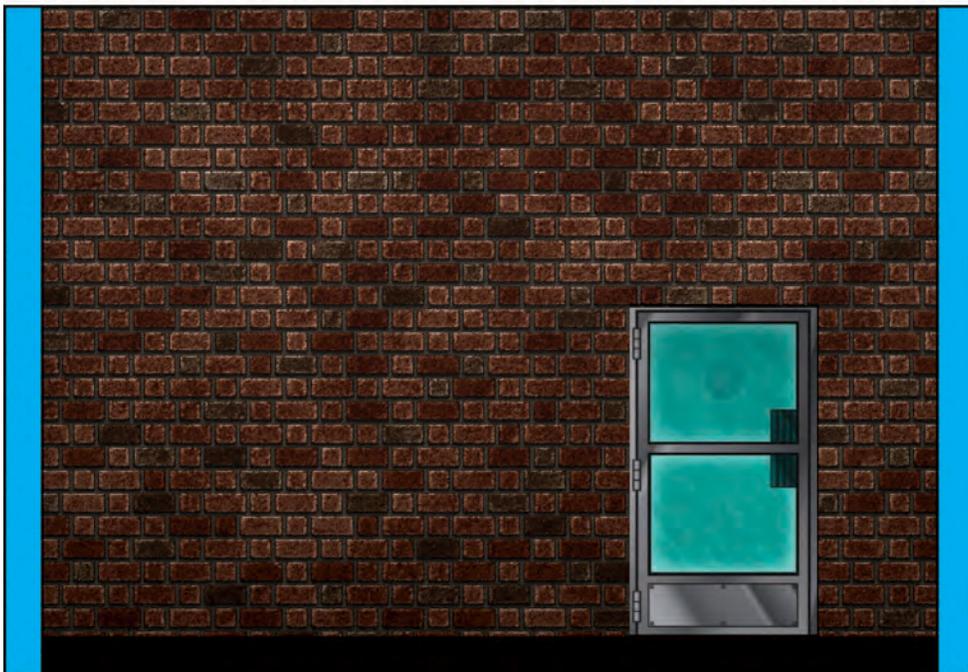
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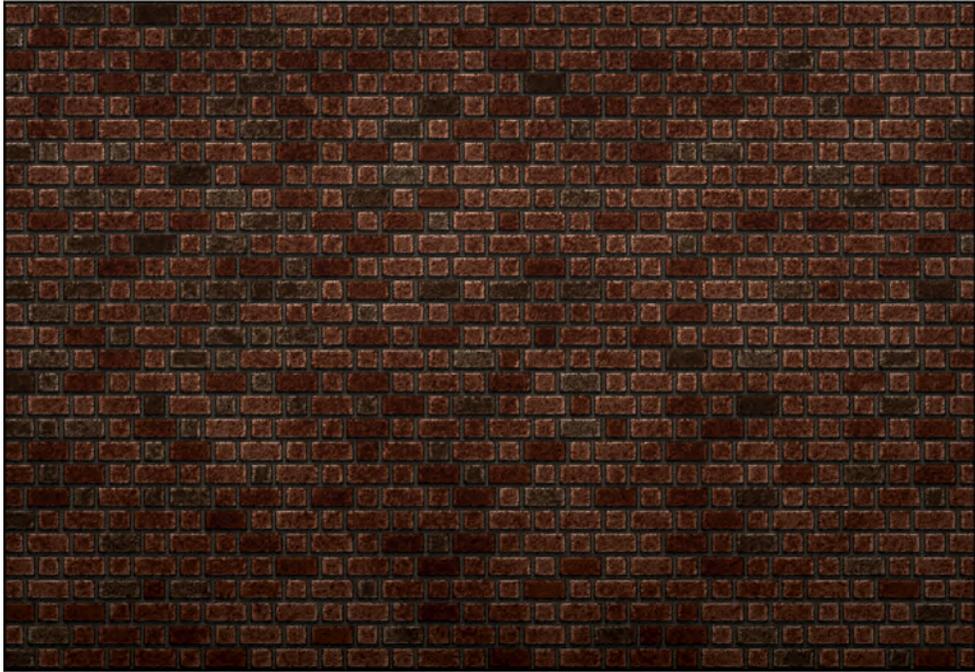
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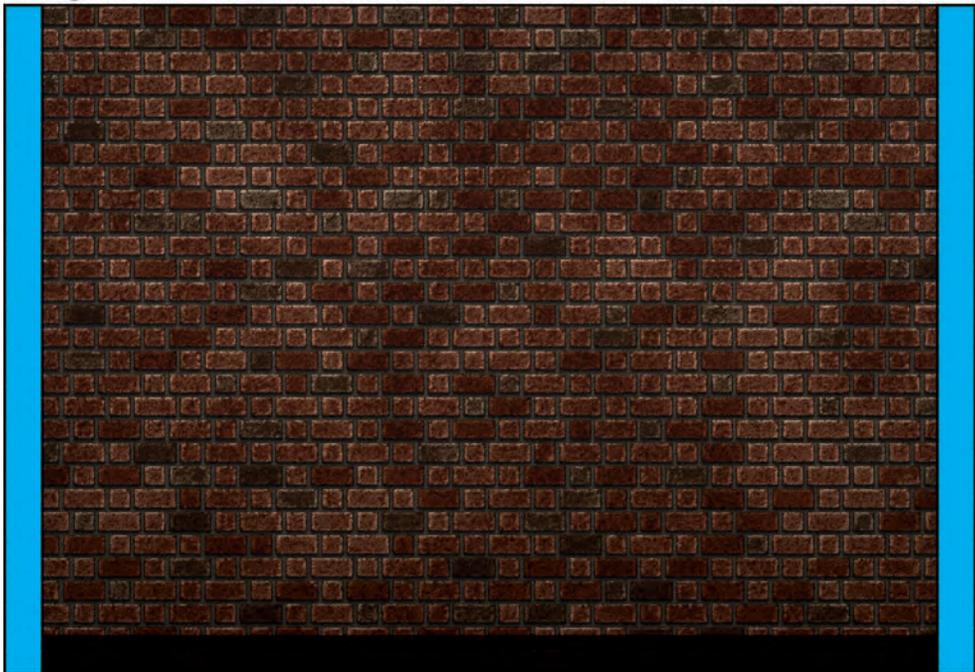
Garage G



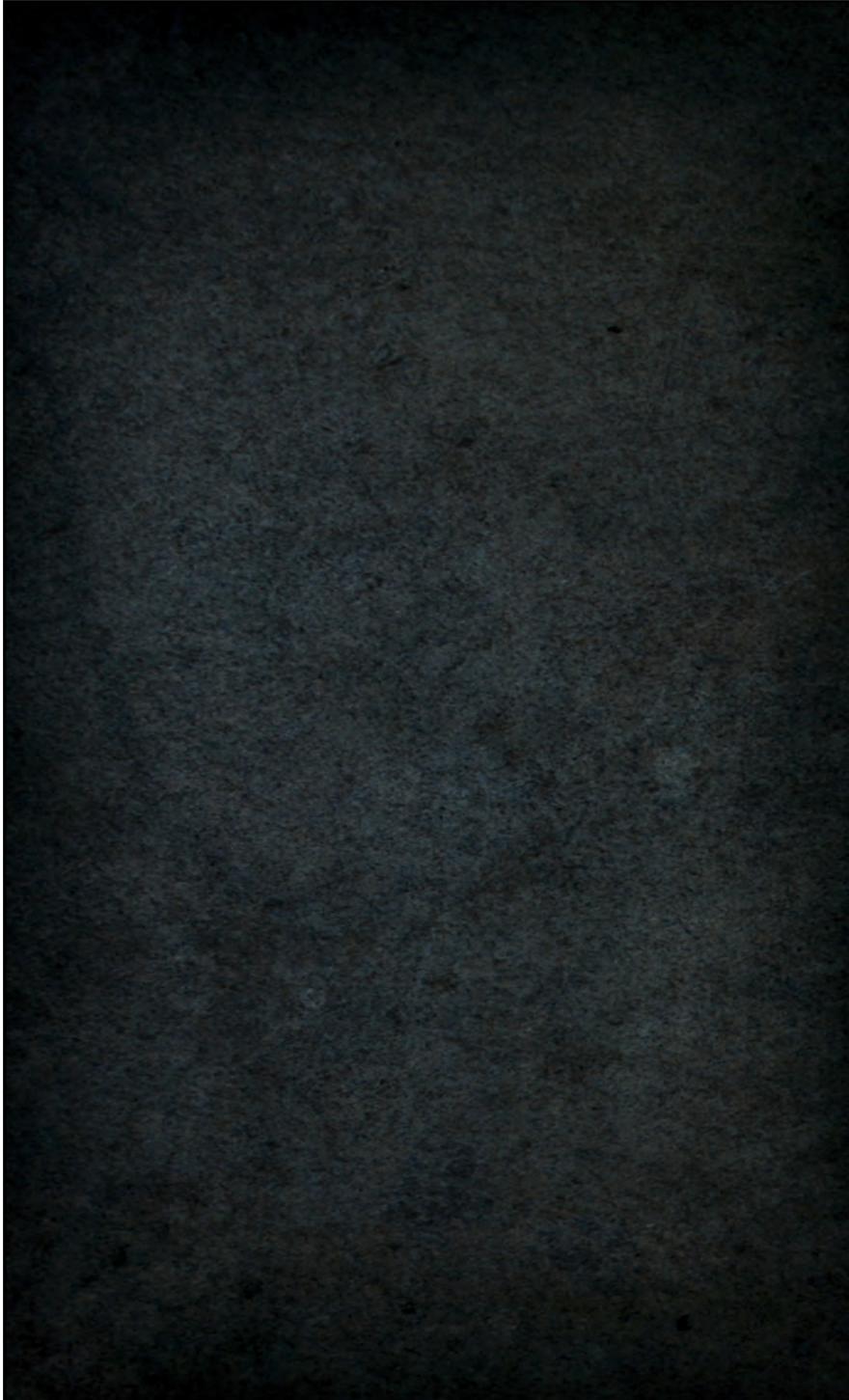
Garage H



Garage I



Garage J

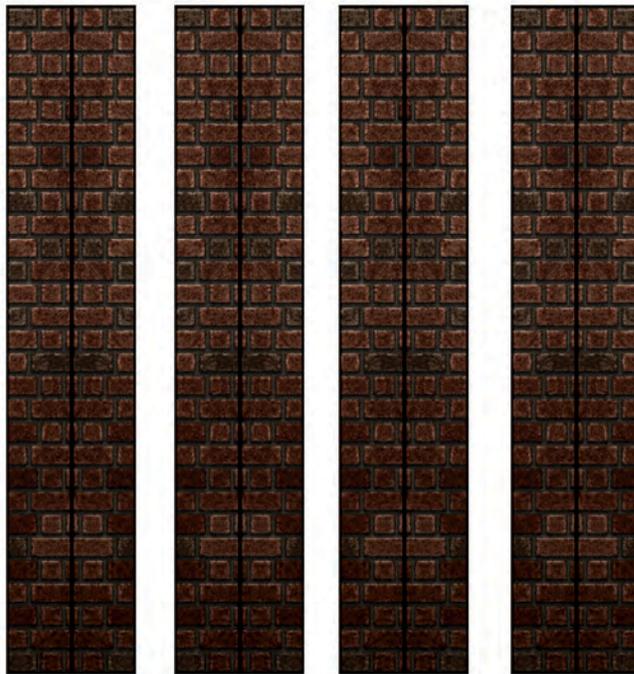


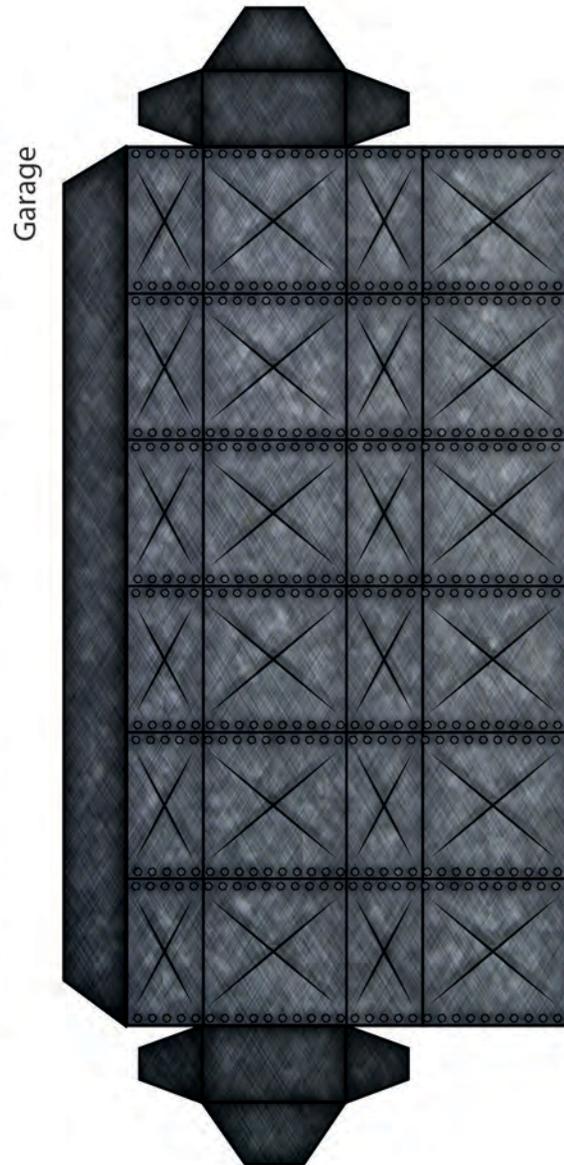
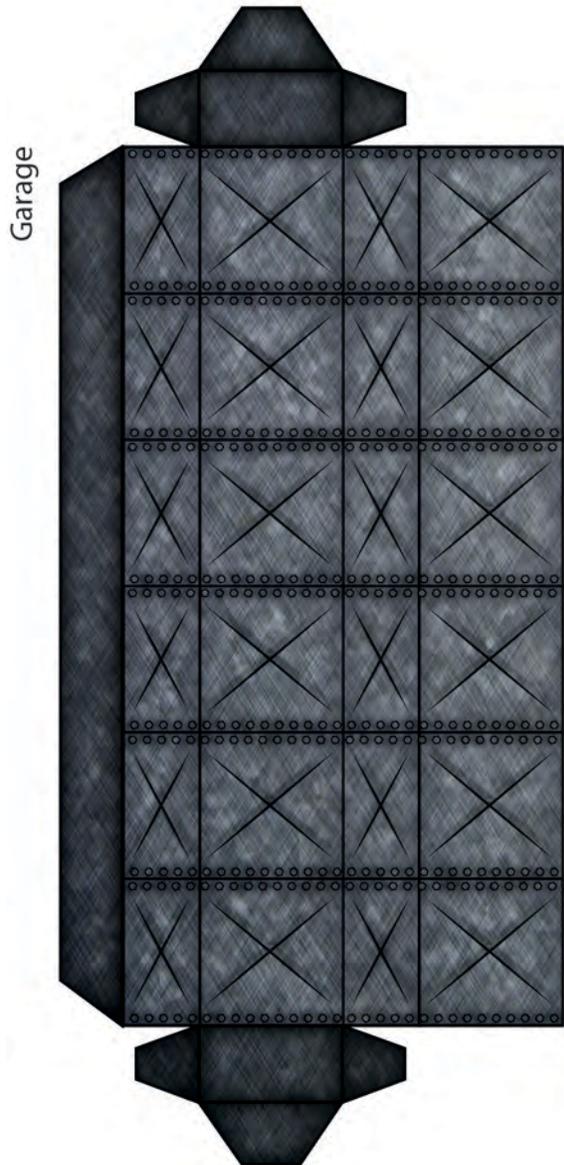
Garage Oooooopppps trim

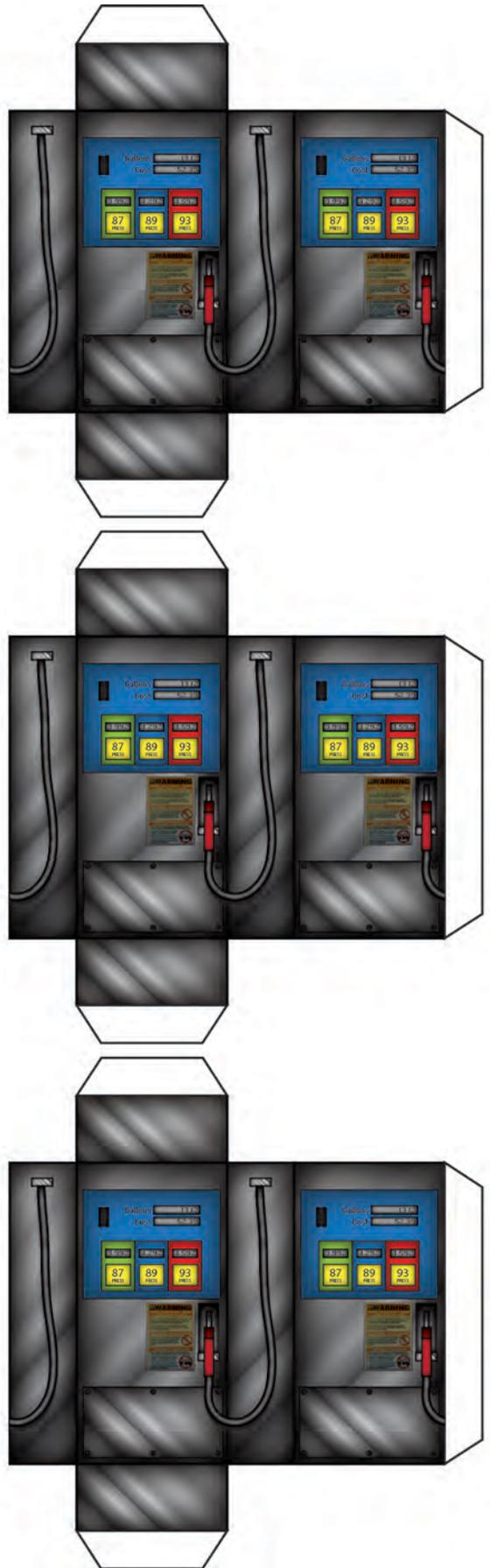
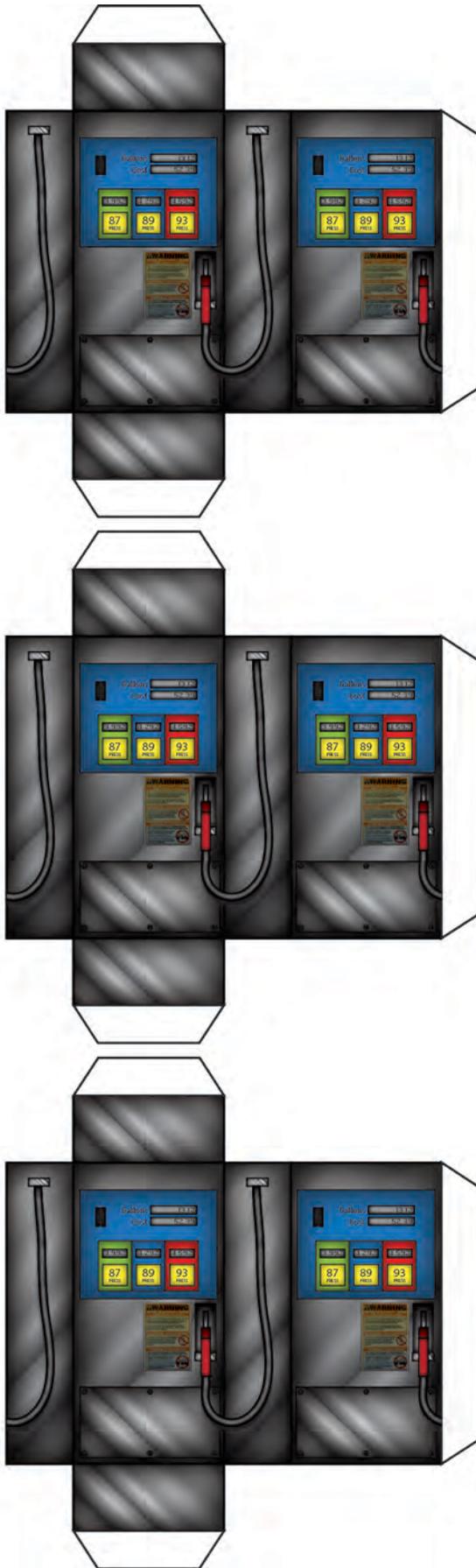


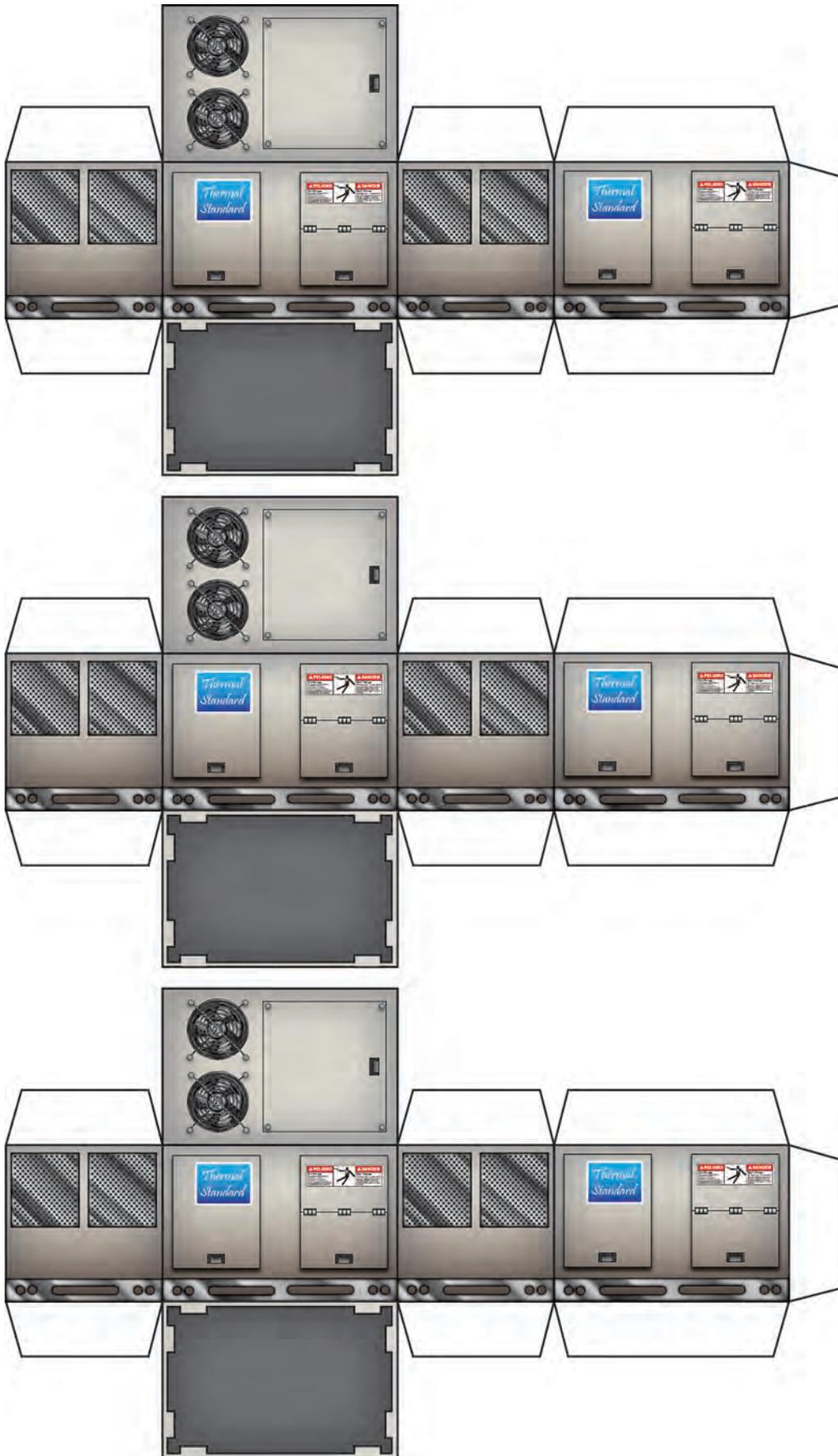
Top trim

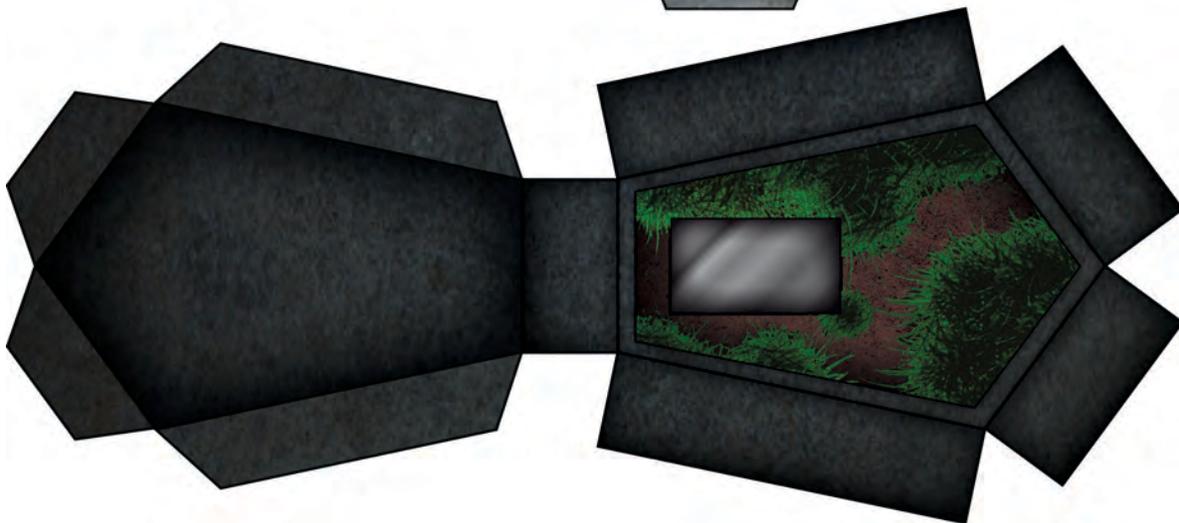
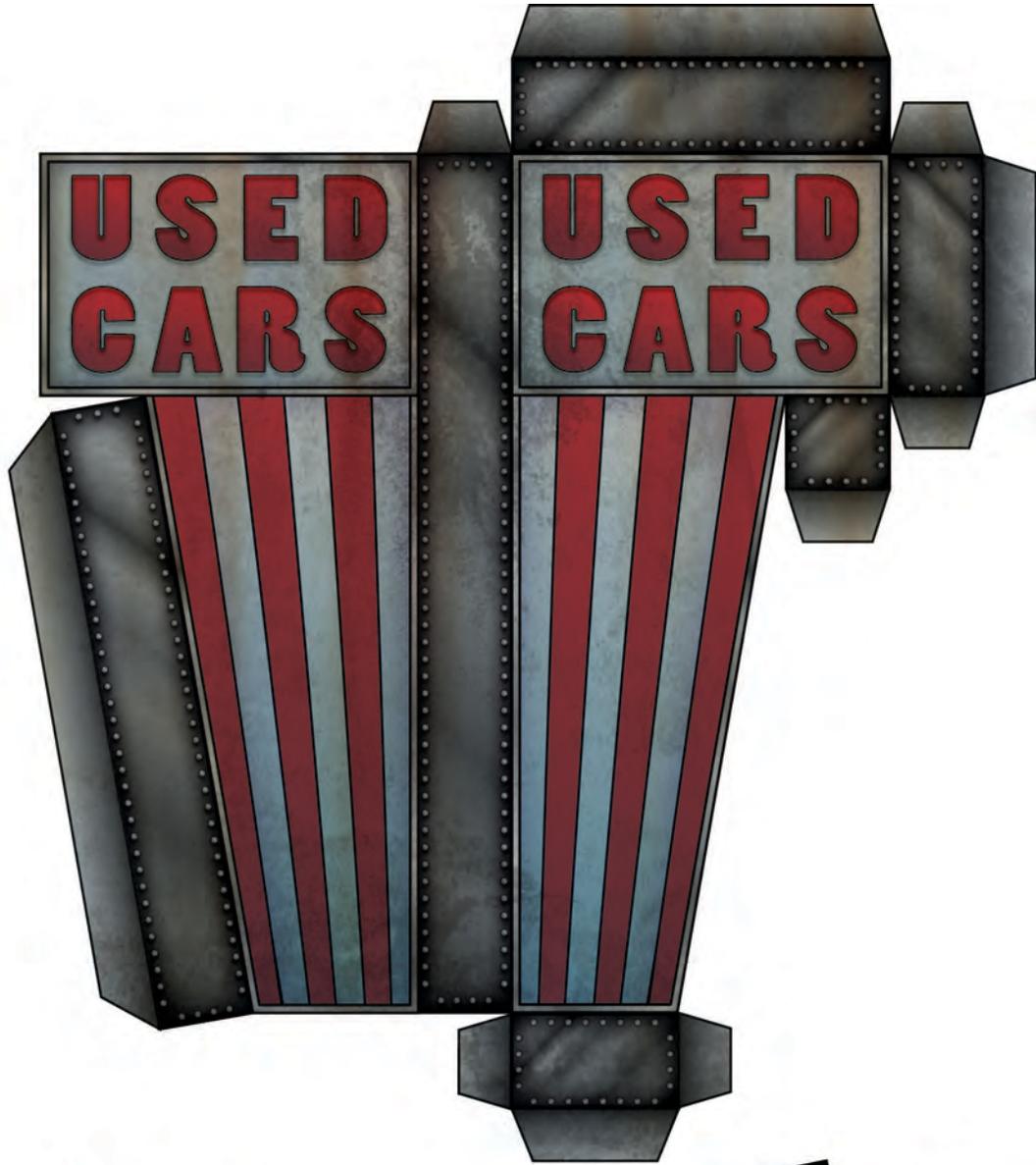
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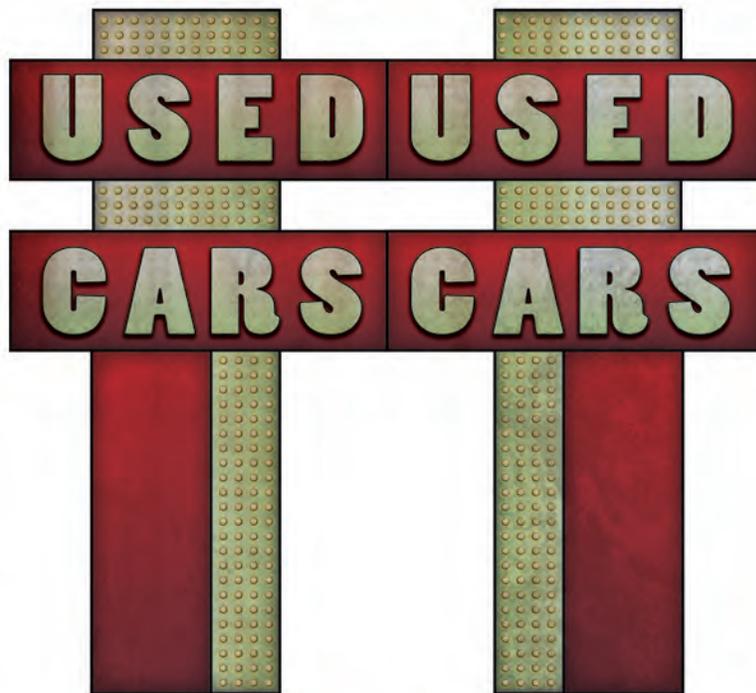


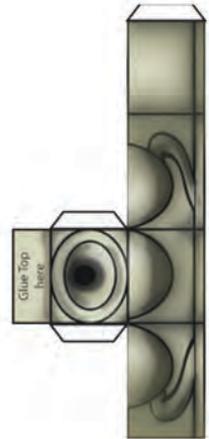
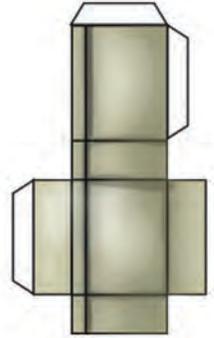
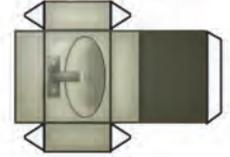


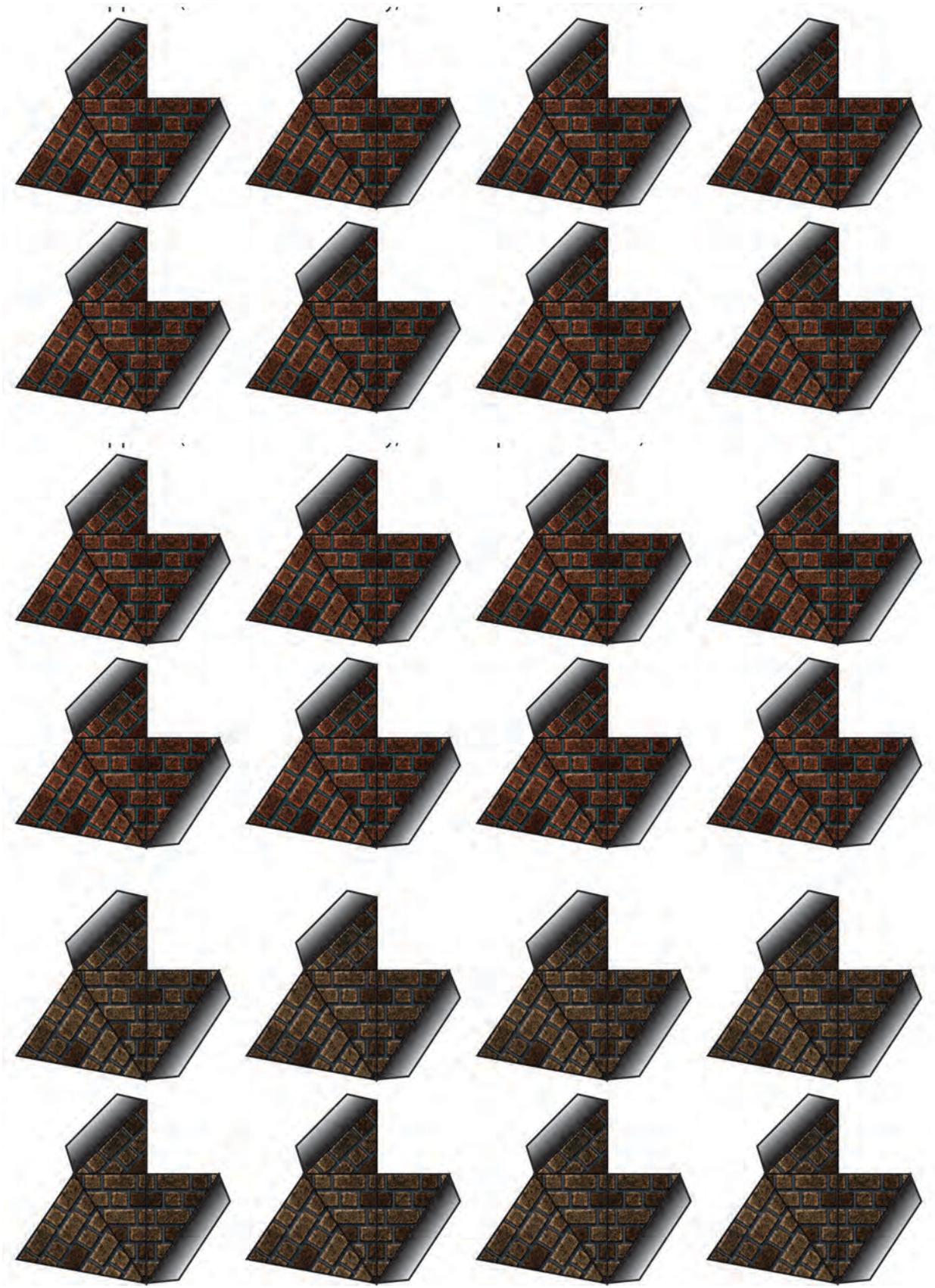


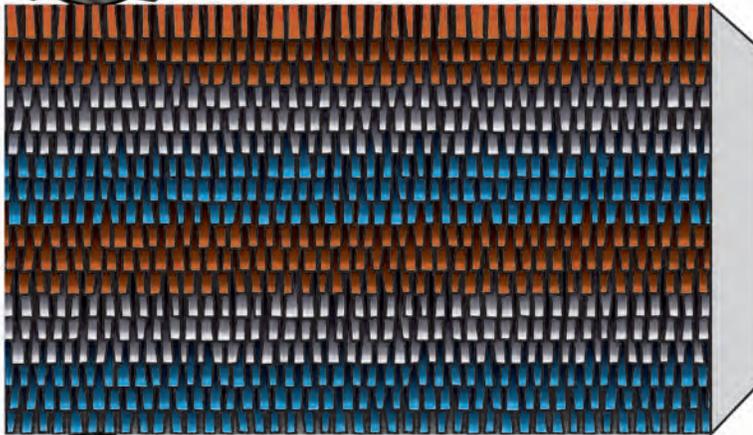
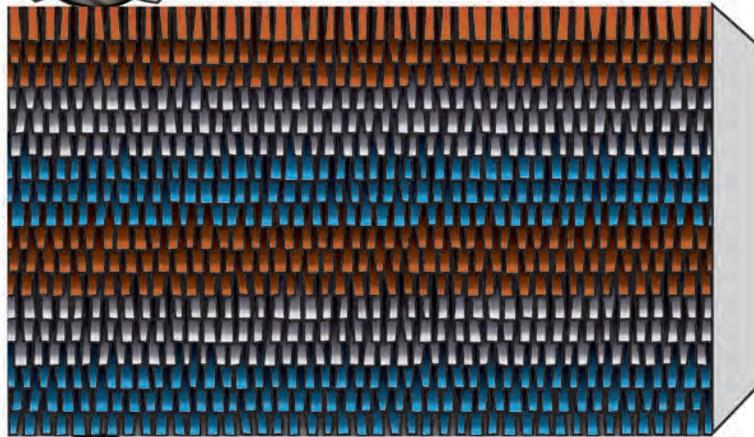
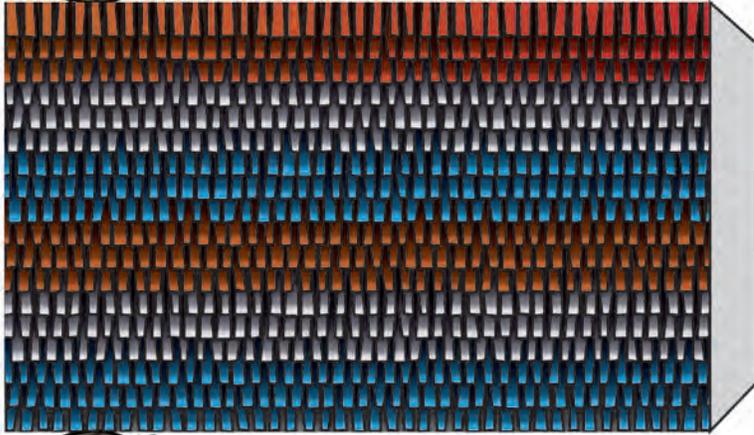


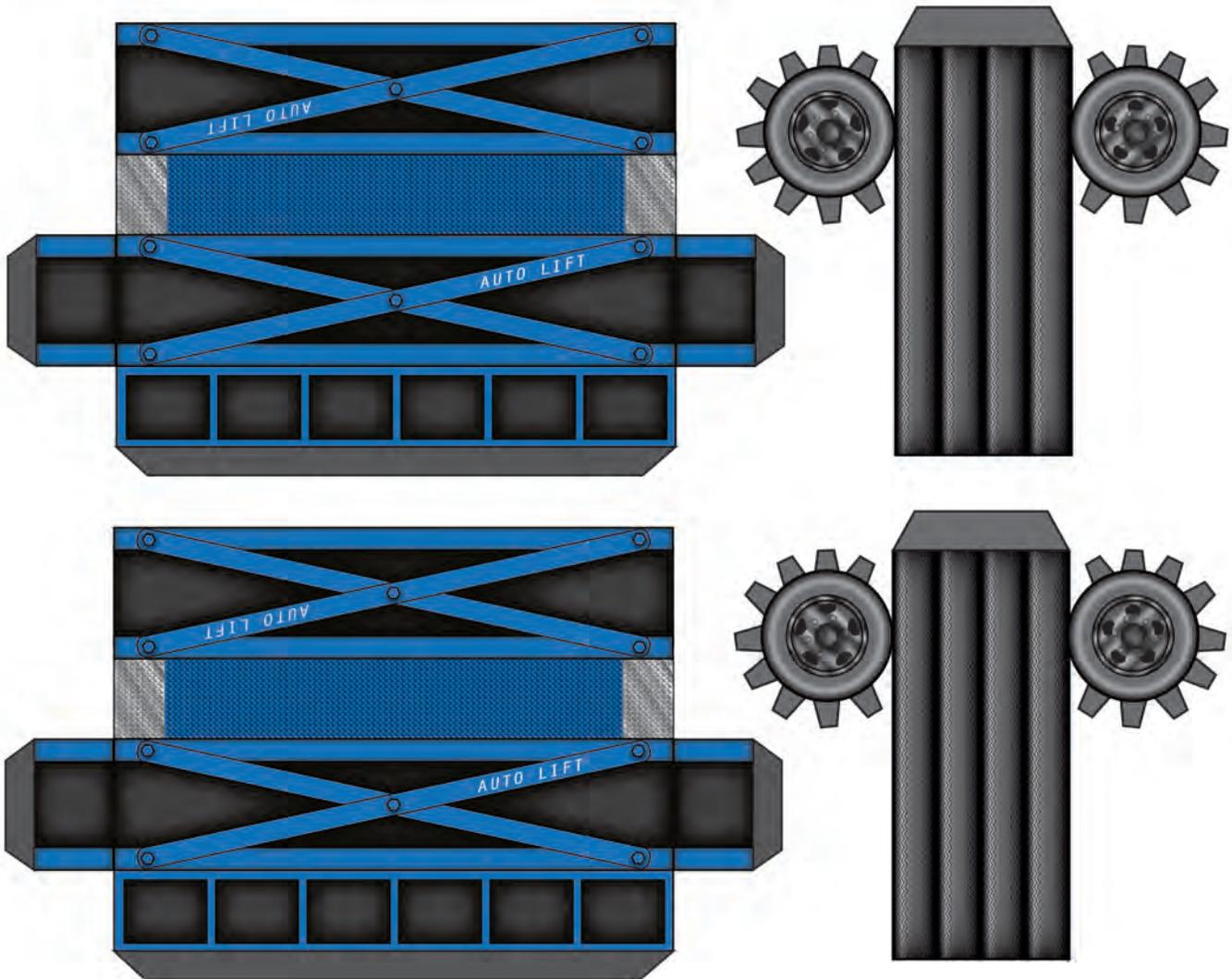
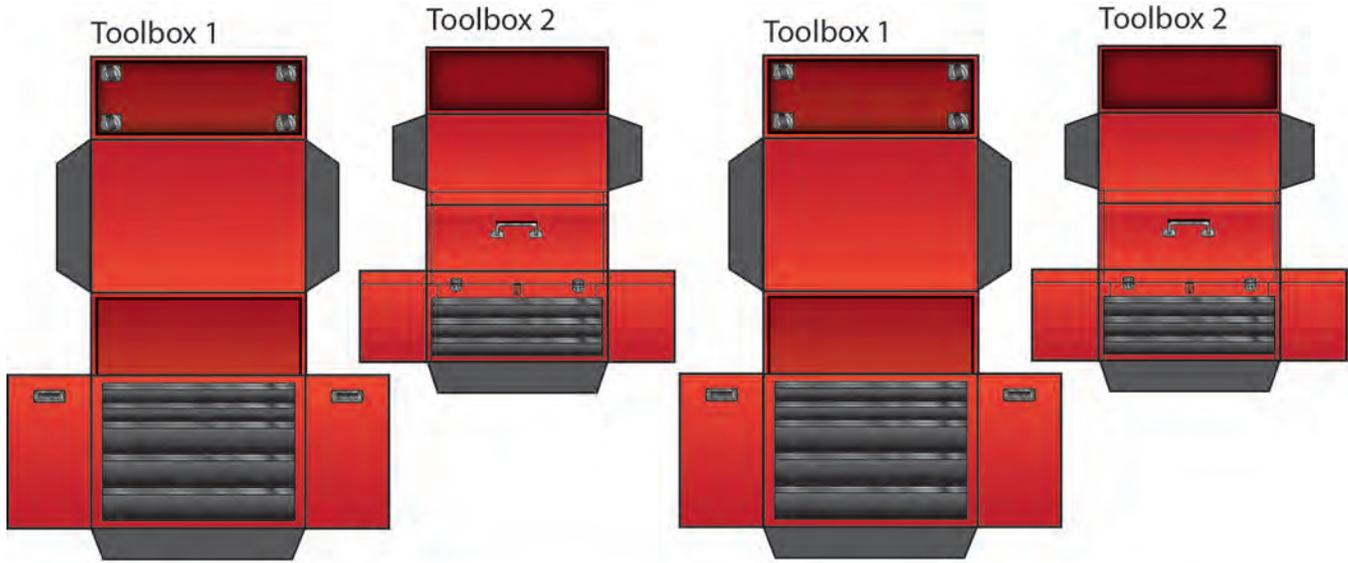








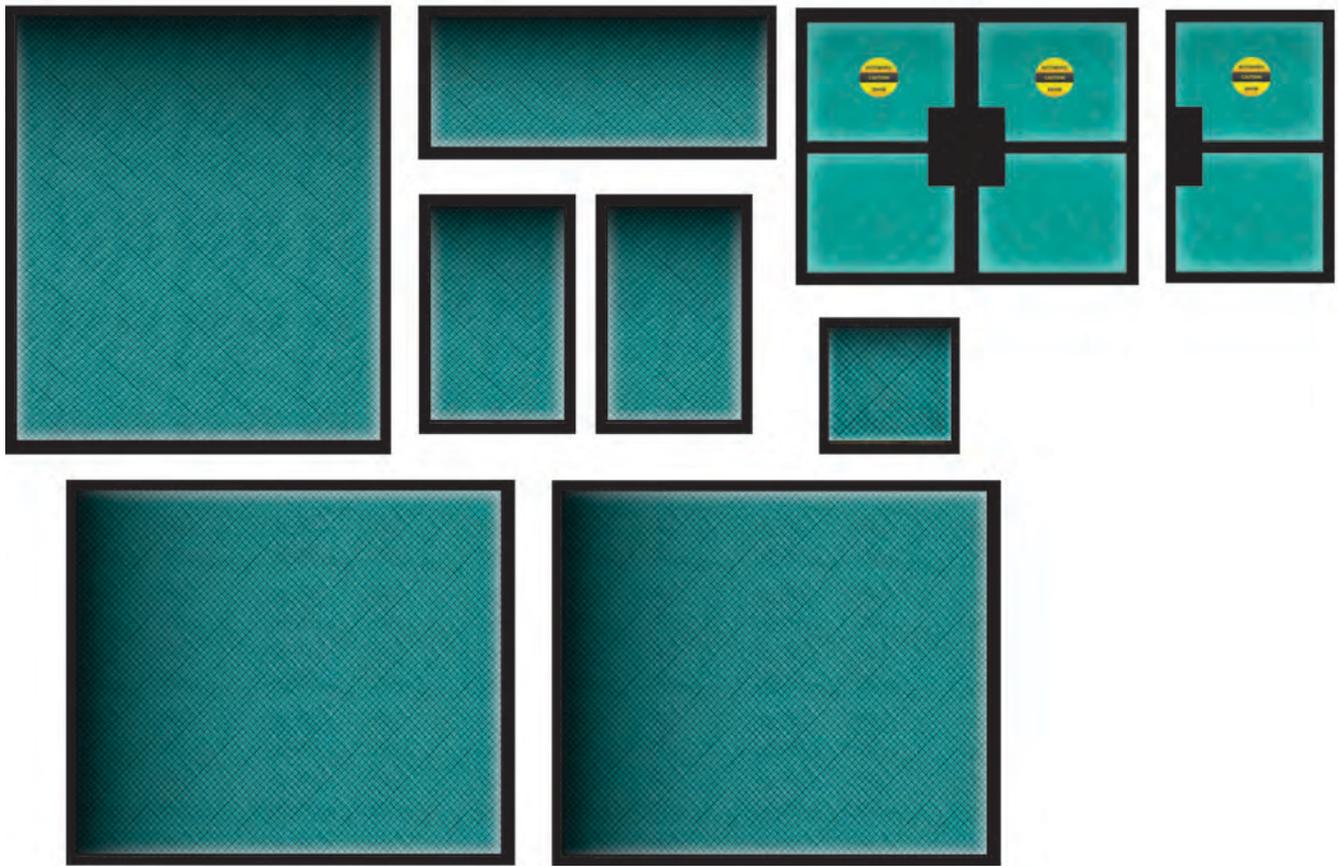




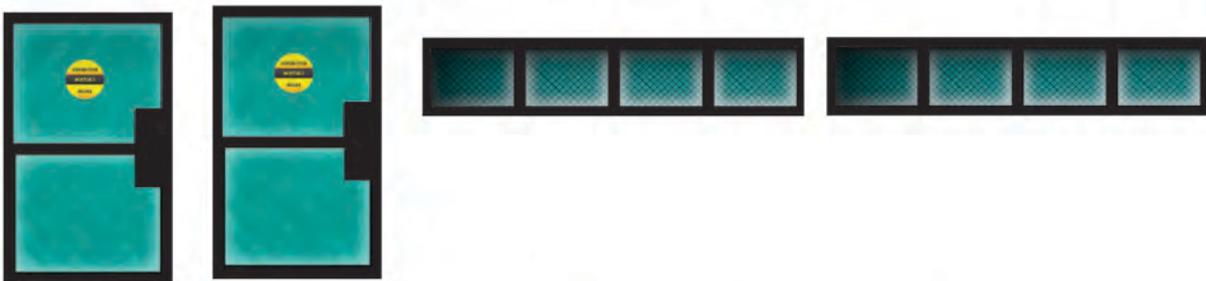


This page is available for those wishing to print on transparency paper, and print the trim on cardstock, and mount front and back to these Transparenc-ees

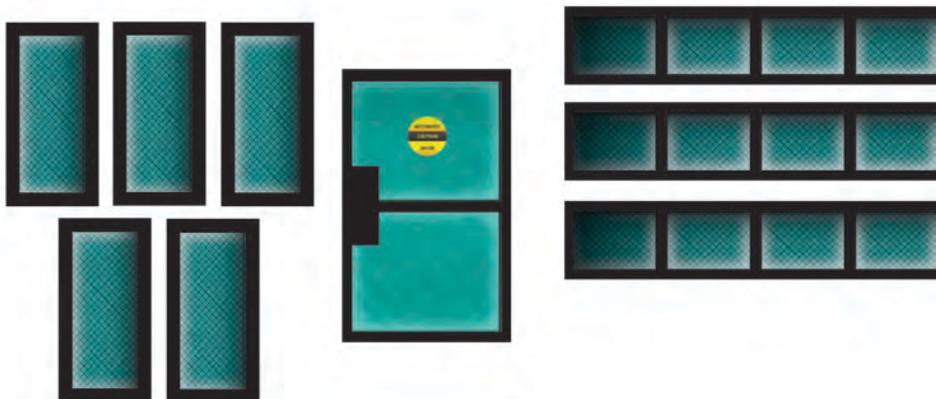
Car Dealership



Carwash



Garage



VEHICLES

