

Lighthouse Cutout Series: New Canal, Louisiana



Supplies needed:

- 11 sheets of 8 ½ X 11" white cardstock (65-67 lb)
- 2 sheets of 8 ½ X 11" red cardstock (65-67 lb)
- 1-6 sheets of 8 ½ X 11" white copy paper
- Fast drying glue (such as Aleene's Tacky® Glue)
- Scissors
- X-Acto® knife or any sharp cutting tool
- Cutting mat or cutting board
- Tools to score (See General Tip #3)
- 8 9" long bamboo shish-ka-bob skewers painted white. See Step 1

- White paint or similar (see Step 1)
- 6 standard drinking straws (~8" longx1/4" diameter)
- 1 bulletin board pin with a red round ball head

Optional Supplies:

- Various paper clips (See General Tip #5)
- Ruler or pencil (See General Tip #6 and #8)
- Tape to secure tabs
- Darning needle and/or a 1/8" hole puncher
- A standard hand held hole puncher (1/4" hole)

General Tips:

1. To avoid frustration, use a good quality, fast drying glue.
2. Cut just inside the solid line for a cleaner looking finished product.
3. Unless directed differently, score all dotted lines before folding. To score a straight line, line up a ruler then run a dull butter knife or spoon handle over the dotted line. Fold gently. (If you use scissor tips be extra careful.)
4. If the model isn't fitting together easily for any reason, leave the project and return to it after a rest period.
5. Paper clips can make handy clamps to hold pieces in place while glue dries.
6. Pencils and rulers can be finger extenders when you can't reach to secure a tab.
7. Slot, Section and Tab letters mate together during construction. Connect them when told to do so in the instructions.
8. Since cutting out the piece may remove the Slot, Section or Tab name, consider using a pencil to lightly note the name on the back of the piece.
9. Some modelers prefer to cut straight lines with a straight edge (ruler) and X-Acto®. Others prefer scissors or a paper cutter. Feel free to use what works for you.
10. A word on pointed triangular tabs versus flat topped trapezoid shaped tabs: some like a sharp pointed tab to slide into a slot. Others feel the point curls too easily and prefer a trapezoid or flat topped tab. Simply snip off the point if you find it easier.
11. The instructions generally call for cutting out the piece then using the X-Acto® knife to cut the slots. Some modelers prefer to cut the slots before cutting out the piece. Do what you find easier.
12. Have Fun!

Instructions:

This 19 page **advanced** kit builds a model of Louisiana's New Canal Lighthouse. The tower stands about 33 feet tall (not counting stilts) and the model will stand about 10 inches tall including the stilts. First, gather all supplies and read the General Tips on page 1.

Using a color printer placed on the "Actual Size" setting (rather than "Fit" or "Shrink Oversized Pages" setting), print pages 7-17 on white cardstock. Print pages 18 and 19 on red cardstock. Print page 6 on regular copy paper. Instructions, found on pages 1 to 5 may be printed on copy paper, cardstock or simply read from your screen without printing.

Note: the **Lower Concrete Pad Piece** first used in Step 13 fills page 7 completely, leaving no room to label the piece.

□ Step 1

Paint the shish-ka-bob skewers white. (I used white-out correction fluid because it was handy, covers evenly and dries quickly.) Measure and snip carefully so that you have:

- 16 pieces measuring 1-1/2" for the **Middle Porch Pillars**
- 4 pieces measuring 1-5/8" for the **Corner Porch Pillars**.
- 4 pieces measuring 4-1/4" for the **Pyramid Tower Legs**
- 2 pieces measuring 3-1/2" for the **Stairway Supports**
- 1 extra (just in case one breaks while you are snipping!)

Consider laying each type of piece in a pile on a piece of labeled scrap paper to identify them in later steps. Set aside.

□ Step 2

Cut out the six **Stilt Wrap Pieces** on page 6. When separating them into six pieces along the black lines take care that none of the black border lines remain. (This is a tricky step and you will really only need five of these pieces, so you may use one to practice.)

Curl one **Stilt Wrap Piece** lengthwise along the straw with the gray guidelines facing outward. Try to avoid the paper from forming any creases. Apply glue along the back of the curled piece all the way to the edges. Place a straw in the center of the piece then tuck and roll until the straw is wrapped, there are not bubbles or creases

and the horizontal gray guideline meets. If you are using bendable flex straws avoid covering the flex part.

Repeat until you have five or six nicely wrapped 6" straw sections. Set aside to dry.

□ Step 3

Cut out the **Back Lower Railing Piece** and **Front Lower Railing Piece** from page 12. Also cut out the **Long Left Lower Railing Piece, Short Left Lower Railing Piece and Right Lower Railing Piece** from page 8. As you cut, use a pencil to lightly write the piece name and Section locations on the back.

Score all dotted lines but do not fold yet.

Glue the 1-1/2" **Middle Porch Pillar Pieces** to all five **Lower Railing Pieces** in this manner: rotate the pieces so that the wide white section is on the bottom. Run a thin string of glue from the "X" straight up the printed porch pillar white line. Place one painted pillar bottom on each "X" and glue it flat to this line to form a rounded porch pillar. When you are finished, each piece will have pillars extending beyond the cardstock piece with a white strip across the bottom. Set the five pieces aside to dry thoroughly.

□ Step 4

Cut out both **House Pieces A and B** from pages 9 and 10. With scissors, separate the two Tabs D on both pieces. Cut all four Slots G with an X-Acto® knife. Score all dotted lines and fold in.

Glue Tab B on **House Piece A** behind Section B on **House Piece B** and Tab A behind Section A to form a cube.

□ Step 5

Cut out the **Porch Base Piece** from page 11. Use a pencil to mark the location of both Tabs T on the back. With scissors, snip all slits. Score the dotted lines and fold up. Place a small dab of glue on both gray corner squares and form the corner of a shape reminiscent of a box lid.

Run a thin string of glue inside all four sides of the Section D frame on the **Porch Base Piece**. Place the **House Piece** Tabs D on this frame, so that no part of the gray guidelines show and the house's door faces in the proper orientation. View for accuracy from all angles before the glue sets.

□ Step 6

Cut out both **Lower Roof Pieces** from page 19. Using a darning needle, tip of the X-Acto® knife or a small 1/8" hole puncher, make a small hole exactly on each of the X's on both pieces. Use the X-Acto® knife to cut open the Slots Z. Score on the dotted lines and fold in.

Put a tiny dab of glue on the small grey rectangle in the corner of one piece and form a 90° angle for the roof. Repeat with the second piece.

Tuck all four Tabs G on the **Lower Roof Pieces** into Slots G on the **House Piece** taking care that Tab G1 fits into Slot G1, Tab G2 fits Slot G2 and so on. Fold all four Tabs G flat against the inside house walls and tape or glue to secure.

Glue one Tab F behind Section F on the **Lower Roof Piece**, then repeat for the other side with the other Tab F and Section F. Glue the underside corner like you did for the other two corners. Trim slightly if needed.

□ Step 7

Retrieve the five **Lower Railing Pieces** from Step 3. Rotate the **House Piece** so that the door faces you. Tuck the four pillars on the **Front Lower Railing Piece** into the four small holes under the **Lower Roof Piece** which hangs over the door. Glue the bottom of the **Front Lower Railing Piece** to the lip of the house's porch. (Part of the **Front Lower Railing Piece** will be protruding to the right for now.) Turn the house upside down and add a tiny dab of glue to each pillar to hold it to the roof.

Turn the house right side up then rotate it a full 180° so the back is now facing you. Attach the **Back Lower Railing Piece** as you did above.

Turn the house so that the right side faces you. (The right side is to the right of the door.) Attach the **Right Lower Railing Piece** in a similar manner. There will be space for a doorway in this section of the porch. Fold Tab 1 in then glue it behind Section 1.

The left side of the house has two railing pieces to allow for a breezeway we will create later. This side also has a doorway like the right side.

Locate the **Short Left Lower Railing Piece**. Fold Tab 3 and Tab T in (white sides together). Fold the score line under the white pillar (skewer) so the printed sides meet.

Glue the **Short Left Lower Railing Piece** in this

manner: the **Pillar** into the **Lower Roof Piece** hole, the **Railing Piece** to the **Base Piece**, Tab 3 behind Section 3 on the **Front Upper Railing Piece** already in place and Tab T under the protruding breezeway section.

Almost there! The **Long Left Lower Railing Piece** fits in the final space. Fold Tab T in (white sides together) and fold out the dotted line under the third pillar (printed sides together).

Glue the **Long Left Lower Railing Piece** in this manner: the **Pillars** into the **Lower Roof Piece** holes, the **Railing Piece** to the **Base Piece**, and Tab T under the protruding breezeway section. This side of the house has a breezeway and doorway that will eventually lead to the stairway.

Retrieve the four **Corner Porch Pillar Pieces** (skewers) from Step 1 and glue them to the four corners of the porch. The top of each **Corner Porch Pillar Piece** will fit under the roof piece. There is no hole to guide you. The bottom of each piece will sit along the outside of the porch corner (or what will be the porch corner on the wo open sides) and stop at the very bottom of the base. It may be necessary to trim away some of the white cardstock for a perfect fit. The **Corner Porch Pillar Pieces** should be parallel to the existing pillars. Use your judgement as you glue and fiddle with it until you are satisfied with alignment or the glue sets. Set the house aside.

□ Step 8

Cut out the **Tower Piece** from page 12. Cut all four Slots J with an X-Acto® knife. Score on the dotted lines and fold in. Glue Tab H and Tab I inside to form the tower.

Cut out the two **Upper Roof Pieces** from page 18. (These two pieces are identical.) Score on the dotted lines and fold in. Tuck all Tabs J on this piece into Slots J on the **Tower Piece**. Glue Tabs K behind Sections K to form a square based roof.

Retrieve the **House Piece** and attach the **Upper Roof/Tower Piece** with Tabs C taking care that the window on the **Roof/Tower Piece** is above the door on the **House Piece**. (The tower should touch the bottom base to add unseen strength to the model.) View from all angles for perfect alignment before the glue dries. Set aside.

□ Step 9

Cut out the **Upper Railing Piece** from page 9. Cut the slots at the bottom of the piece to separate the four Tabs L. Score all dotted lines then fold in. Glue Tab M behind

Section M to form a partially open-bottomed square cup.

Cut out the **Platform Piece** from page 10. Cut all 4 Slots N open.

Cut out the **Beacon Piece** from page 10 and score the dotted lines. Fold in. Glue Tab P behind Section P.

Cut out the **Beacon Roof Piece** from page 18. Score all dotted lines. Fold in. Tuck Tab Q under to form the domed roof and glue.

Attach the **Beacon Roof Piece** to the **Beacon Piece** using Tabs O, making sure the octagonal lines on both pieces line up.

Insert all 4 Tabs N on the **Beacon/Roof Piece** into Slots N on the **Inside Platform Piece**. Tug the Tabs gently from the bottom to settle the **Beacon/Roof Piece** perfectly in place. Glue or tape the Tabs absolutely flat against the bottom.

Tuck the **Beacon/Roof/etc. Piece** into the **Upper Railing Piece** and secure with tape or glue.

Now glue this entire piece to the top of the house tower. The bottom of the railing should form a small overhang.

Secure the red bulletin board pin which represents the ventilator ball to the peak of the **Beacon Roof** with a small dab of glue. Set aside.

□ Step 10

Retrieve the **Stilt Straws** from Step 2. Cut each straw into two pieces along the horizontal gray guideline. Snip the small gray vertical guidelines to make the ends of the straw pieces look a bit like flowers or fringe. You will need nine nice looking pieces to continue. Discard any leftover pieces that don't look nice.

Cut out the **Top Concrete Pad Piece** from page 13. Use a standard hand held hole puncher or scissors to remove the black circle holes. (You may need to use scissors to reach the middle hole.)

Insert one covered straw **Stilt Piece** into a hole from the colored side of the **Top Concrete Pad Piece** and then open the 'flower' with your finger until the fringed petals are flat. Securely tape or glue the flower petals (fringe) flat to the back (white side) of the **Top Concrete Pad Piece**. Repeat for the other eight **Stilt Pieces** and holes.

Turn the piece over and gently jostle the pillars until they form nice 90° angles and sit straight up and down.

□ Step 11

Cut out the **Stilt Ceiling Piece** from page 13. Punch out the holes as in Step 10 above. Carefully feed each of the **Stilt Pieces** into a hole just up to the fringe. Then, support the back of the area around the hole with the fingers of one hand while you securely tape or glue each fringed end flat to the back of the **Stilt Ceiling Piece** with the other hand. Take care to keep this piece parallel with the **Top Concrete Pad Piece!**

□ Step 12

Retrieve the **House Piece** then set it atop the white side of the stilt platform and once exactly centered, generously glue in place. The 4 corners of the house should be perched above the 4 corner Stilts. View the model from all sides and angles before allowing the glue to dry. Set aside.

□ Step 13

Retrieve the **Lower Concrete Pad Piece** on page 7. This piece fills the entire page and is neither numbered nor named on the sheet. Cut open both Slots M. Generously glue the **Top Concrete Pad Piece** to the **Lower Concrete Pad Piece**, taking care to place it exactly on the gray guidelines and ensuring the house's door faces the correct direction. This will form the floor of the stilt platform and be the base of the entire model.

□ Step 14

This lighthouse has two sets of stairs (**Stair A and Stair B**), one on the right side of the house and one on the left. As you cut, label piece names and Section locations in pencil on the back of each piece.

Build **Stair A** by cutting out **Stair Pieces 1A, 2A, and 3A** from page 15 and **Stair Piece 4A** from page 17. Cut slits on **Stair Piece 4A** and score the dotted lines. This piece represents the stairs and stair risers while the other three pieces represent the hand rail and railing.

Glue Sections P from **Piece 1A** and **Piece 4A** together, folding **Piece 4A** to fit the contours of **Piece 1A's** bottom edge. Glue is best applied on the outside of the long raised edge of **Piece 4A**.

Glue Sections R from **Piece 2A** and **Piece 4A** together, again following the contours of **Piece 2A**. It is best to apply glue to the inside of the long raised edge of **Piece 4A**.

Glue the white side of **Piece 3A** to the white side of **Piece 1A**.

Cut out the **Stairway A Support Piece** from page 14, score on the dotted lines and glue tabs to form a box. Glue this **Support Piece** to the underside of the Stairway Piece, under the middle landing platform so that the white X faces out.

Attach the **Stairway Piece** to the right side of the **House Piece** using the Tab at the top of the stairway, and wrapping the protruding **Railing Tab** from an earlier step. Glue the bottom of the **Support Piece** to the **Concrete Pad Piece** as indicated by gray guidelines. Glue the bottom of the **Stairway's** "first step" flat to the **Concrete Pad Piece**.

Retrieve one of the 3-1/2" **Stairway Supports** (the white shish-ka-bob skewers from Step 1.) Poke a hole then thread it through the floor of the upper most outer corner of the stairway so that 2-3" protrudes below the **Stairway** bottom all the way to the **Concrete Pad Piece**. This is purely for show and serves no stability function! Glue the remaining 1" (or so) of the skewer to the inside corner of the upper landing of the stairway.

Repeat this entire step for **Stairway B**, whose pieces may be found as follows:

- **Stair Pieces 1B, 2B, and 3B** from page 16
- **Stair Piece 4B** from page 17
- **Stair Support Piece** from page 17
-

Attach **Stairway B** to the left side of the **House**. Set the House aside.

□ Step 15

Cut out the **Pyramid Tower Top Piece** from page 14. Cut and remove the four small black triangles near Tab W. Score this piece on the dotted lines and fold in. Glue 2 Tabs M to the inside of the **Pyramid Tower Top Piece** and form a pyramid with a square top and open square bottom. Carefully cut both sets of Slots U and V.

Cut out both **Pyramid Tower Railing Pieces** from page 8. Cut the slits as indicated by the black lines. Score the dotted lines and fold in. Glue Tabs C to the bottom to form a balcony looking piece. Repeat for the second **Pyramid Tower Railing Piece**.

Using Tabs U and V, attach both **Pyramid Tower Railing Pieces** to the **Pyramid Tower Top Piece** at Slots U and V. Place the piece on your workspace and align the **Pyramid Tower Railing Pieces** so their bottoms are parallel with the bottom of the **Pyramid Tower Top Piece**. Glue or tape the Tabs to the inside walls. Close the **Pyramid Tower Top Piece** by gluing Tabs N inside.

Cut the **Pyramid Tower Bottom** from page 14. Score all dotted lines. Fold in Tab F and both sections by Tab W. Fold out the two concrete colored Tabs. Glue Tab F behind Section F and the small Tab above Tab W inside to form a rectangular cube. Glue Tab W on the **Pyramid Tower Bottom Piece** to the center of Tab W on the **Pyramid Tower Top Piece** making sure the arrows point in the same direction. The two doors will be on opposite sides of the tower.

Retrieve the four 4-1/4" white **Pyramid Tower Support Legs** (white skewers) from Step 1. Coat the top 1-1/2 inches of one **Pyramid Tower Support Leg** with glue, feed it into one small triangular corner opening near Tab W (what you just glued a few sentences ago), and press it firmly all the way to the top of the piece and into the side corner and so that about 2 1/2 inches of leg sticks out of the wider part of the piece base. Test the length so that the leg will rest on your workspace when this piece sits on the **Pyramid Tower Lower Piece**. Adjust before the glue sets. Repeat for the other 3 legs, inserting them into the remaining 3 corners.

Tuck Tab P on the **House Piece** into Slot P (under the upper door) on the **Pyramid Tower Piece**. Glue Tab Q inside Section Q and Tab S inside Section S to attach the **Pyramid Tower Piece** to the breezeway extending from the **House Piece**. Glue the concrete colored Tabs on the **Pyramid Tower Piece** to the **Concrete Pad Piece**. Look for snugness and proper alignment from all views before the glue sets.

Cut the **Pyramid Tower Roof Piece** from page 17. Score all dotted lines and fold in. Place glue along both small sections labeled 'Tab,' then glue to form a sort of prism shaped piece.

Now attach the **Pyramid Tower Roof Piece** to the **Pyramid Tower Upper Piece** by gluing Tabs Y together, taking care that the arrows on these Tabs Y point in the same direction.

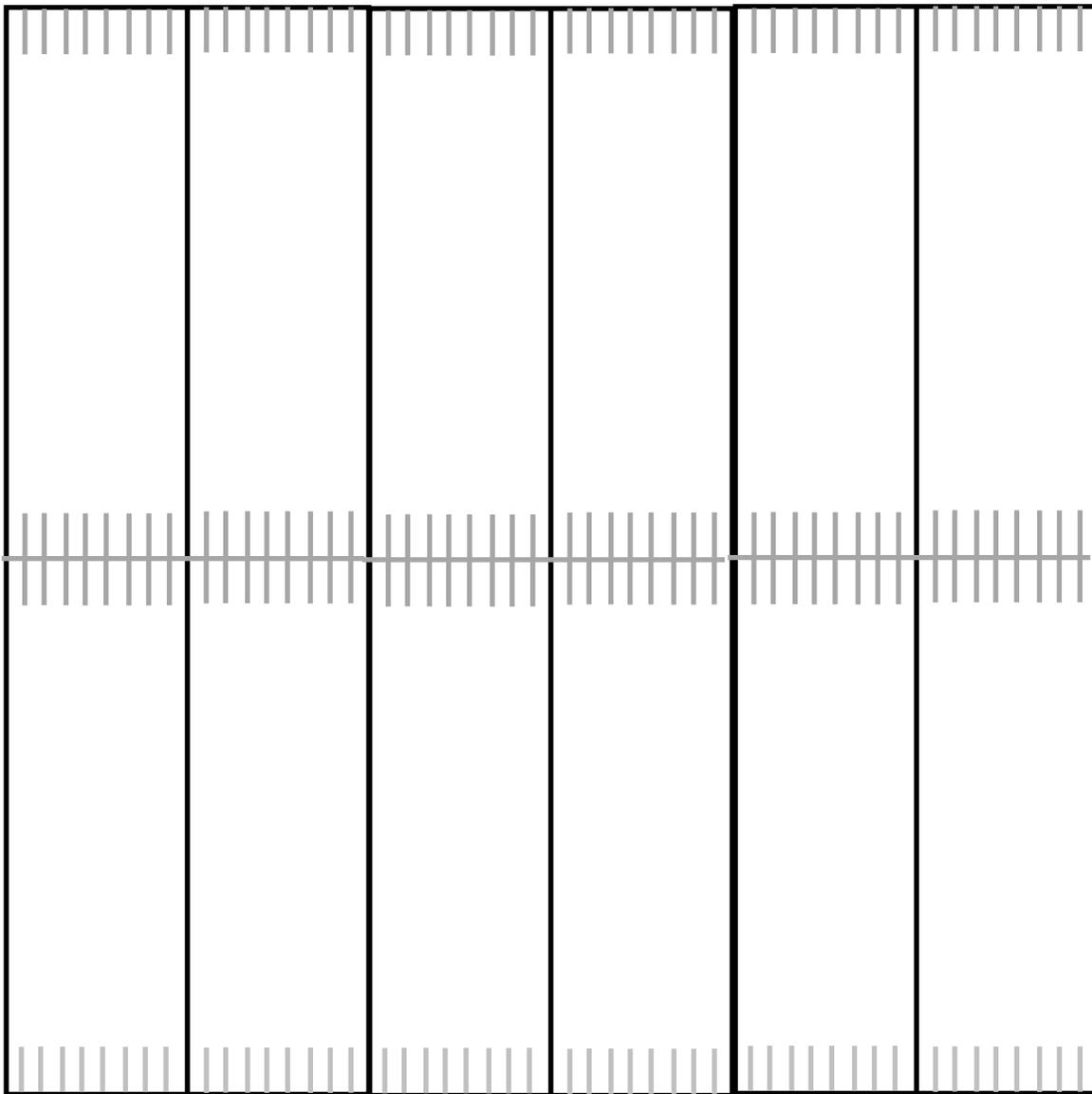
Tuck Tabs Z into Slots Z on the **House Piece**.

□ Step 14

Cut out the **Tag Piece** from page 12. Add your name and the date, then glue or tape the tag to the bottom of the model, or your preferred location.

I received magnificent help for this project from my editor, Shirley Splittstoesser and photographer, Allan W. Blunt.

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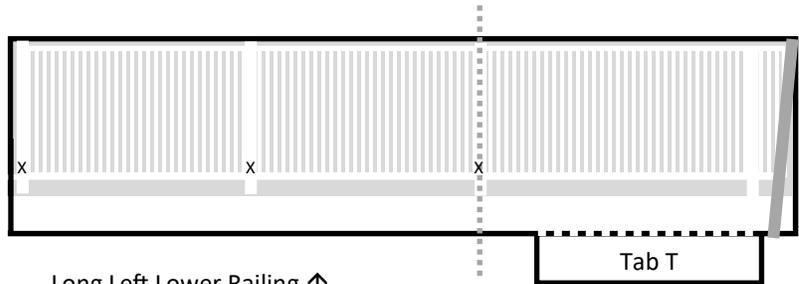


← Stilt Wrap Pieces

The Lower Concrete Pad Piece is on the following page (page 7) and fills the entire page so is not labeled!

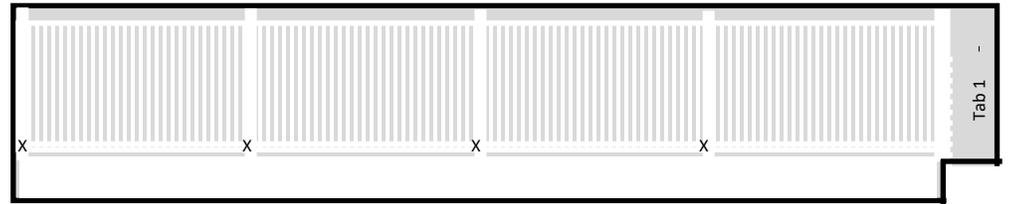
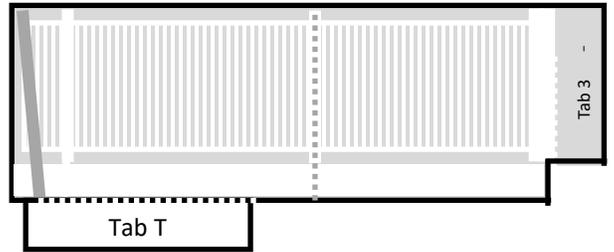


Front of the house (side with door) faces this way

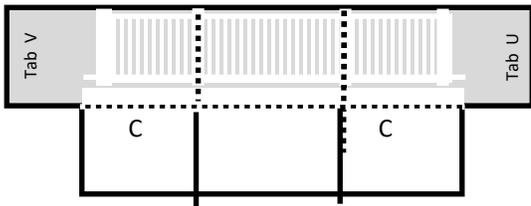


Long Left Lower Railing ↑

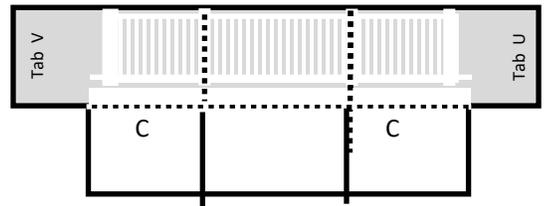
Short Left Lower Railing →



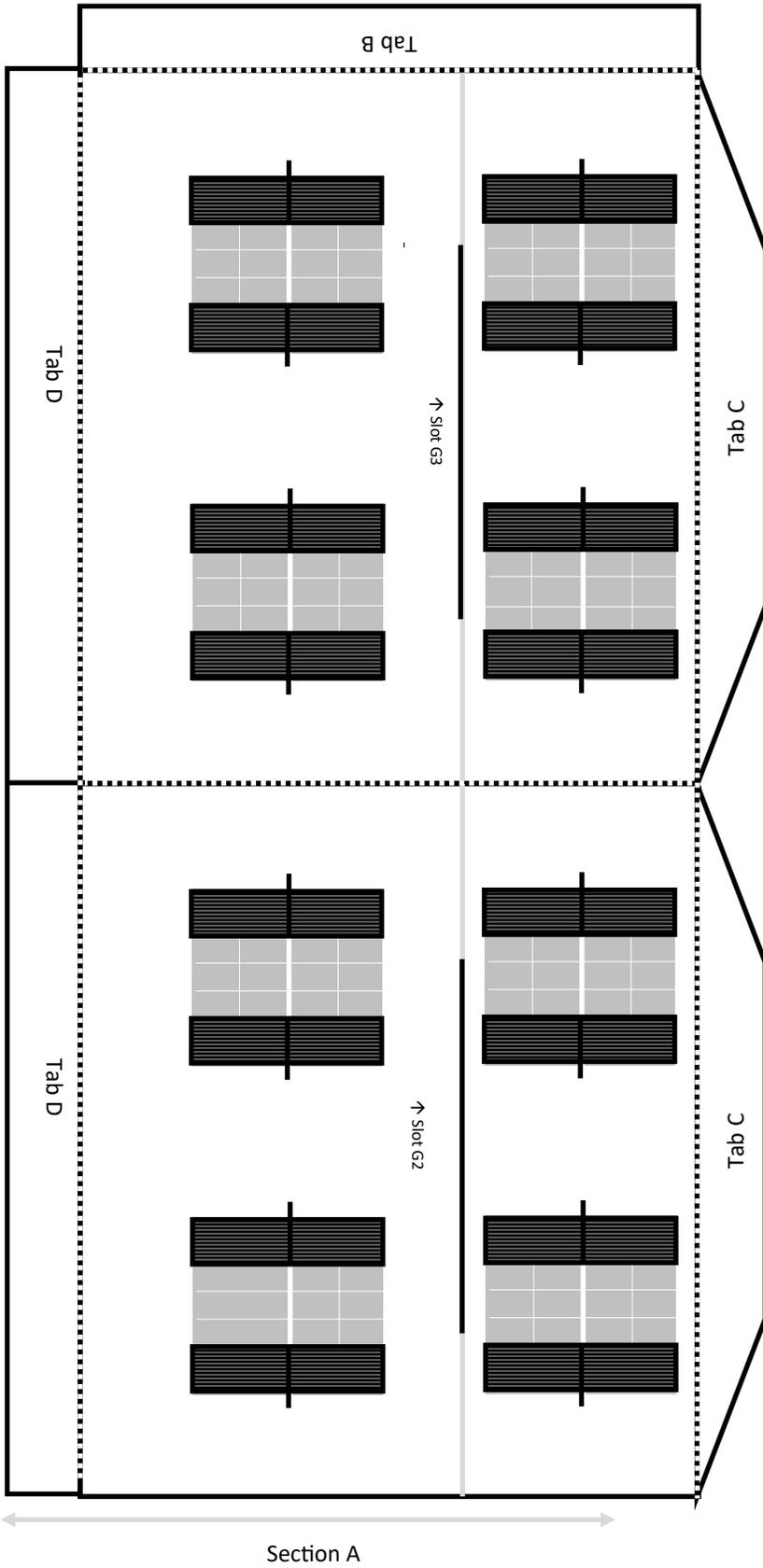
↑ Right Lower Railing



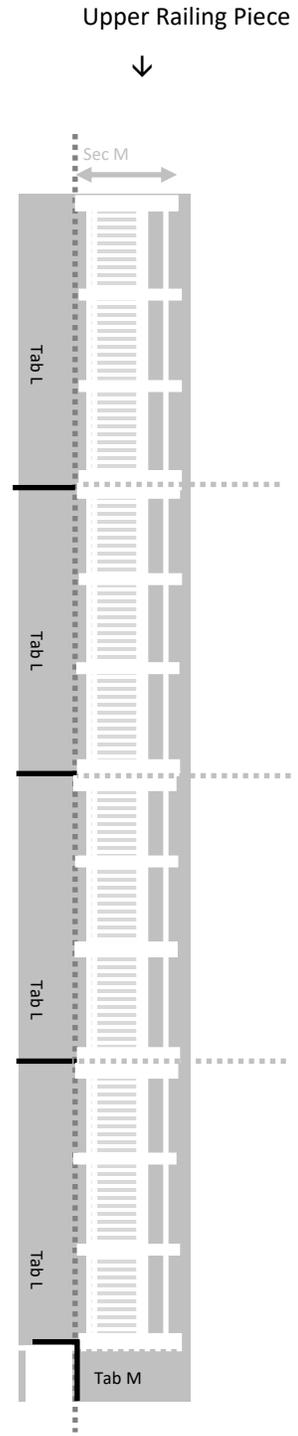
↑ Pyramid Tower Railing

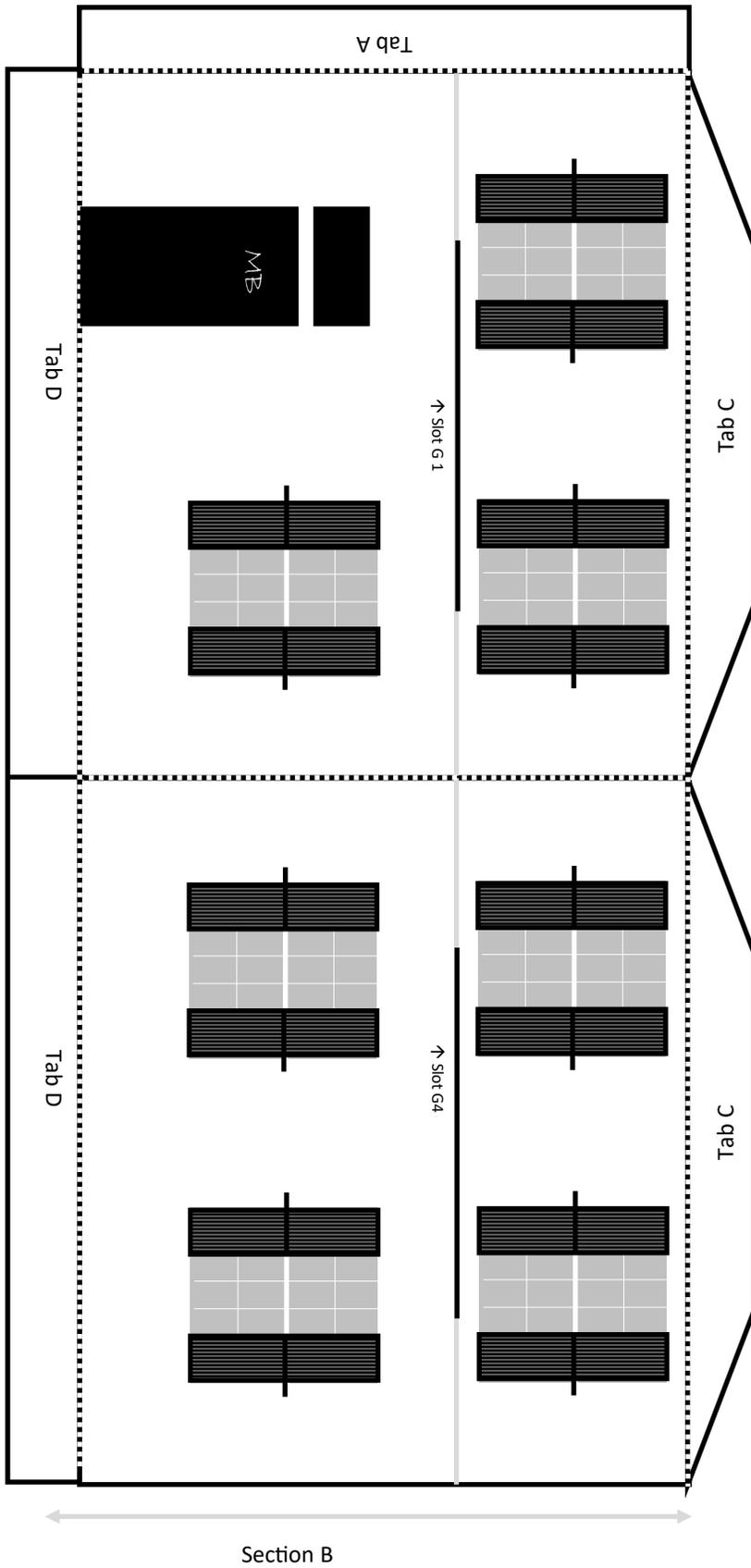


↑ Pyramid Tower Railing

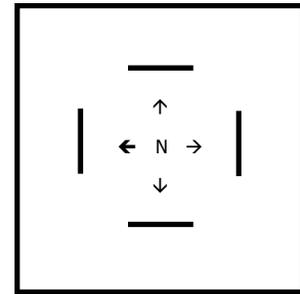


← House Piece A



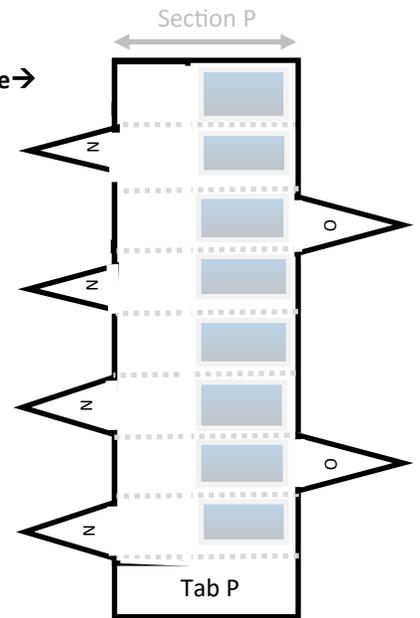


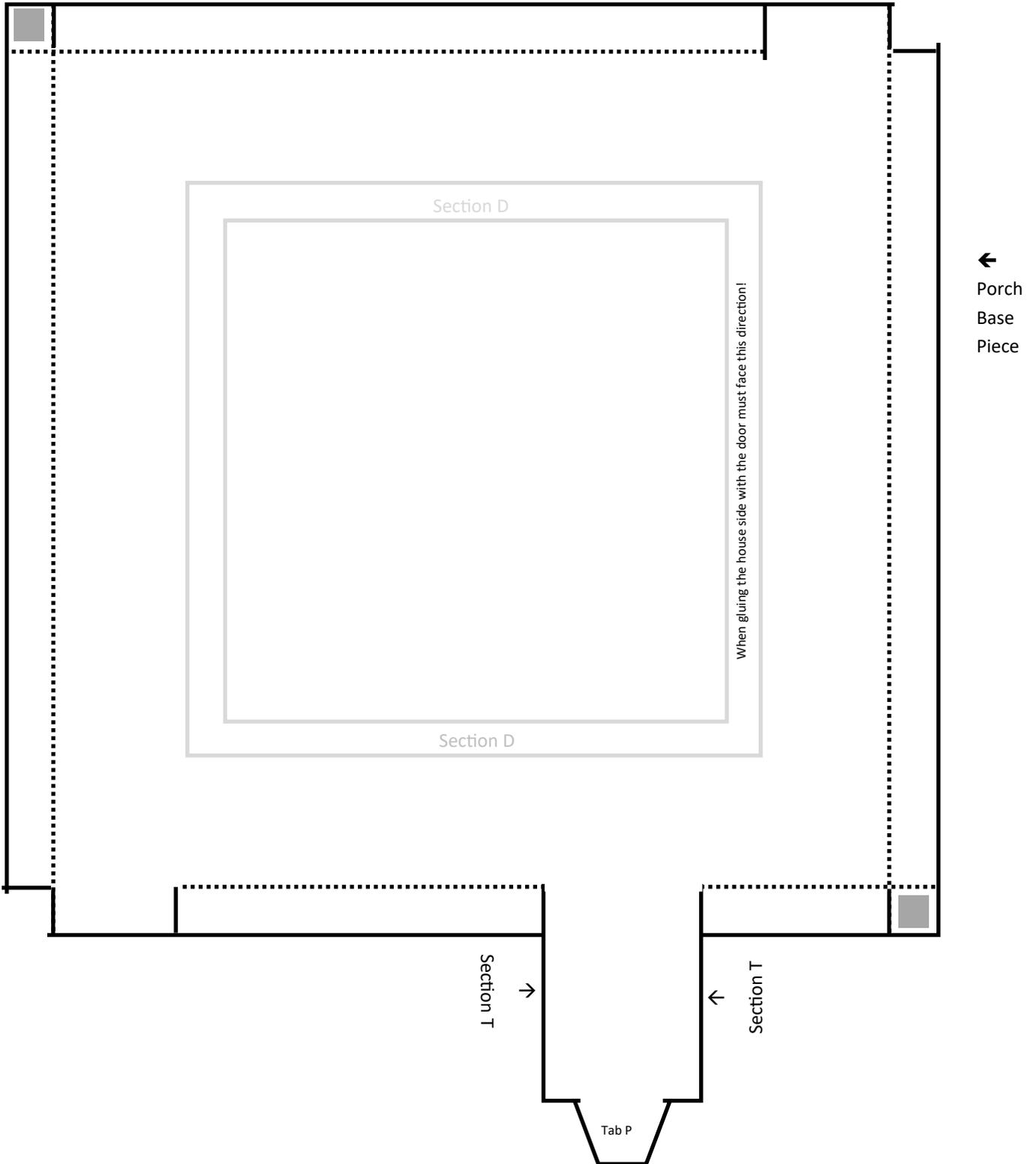
← House Piece B

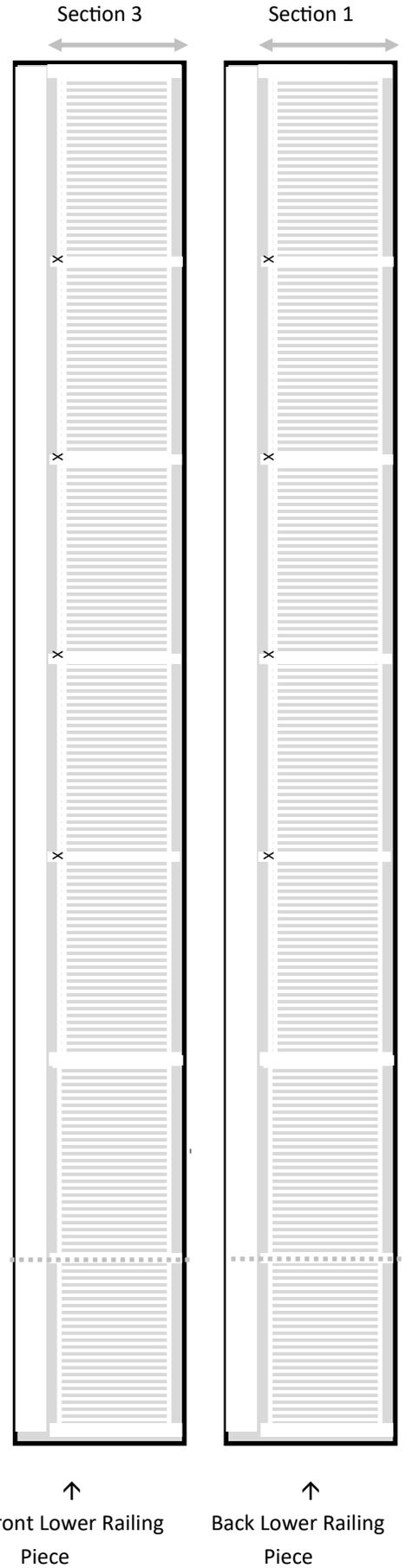
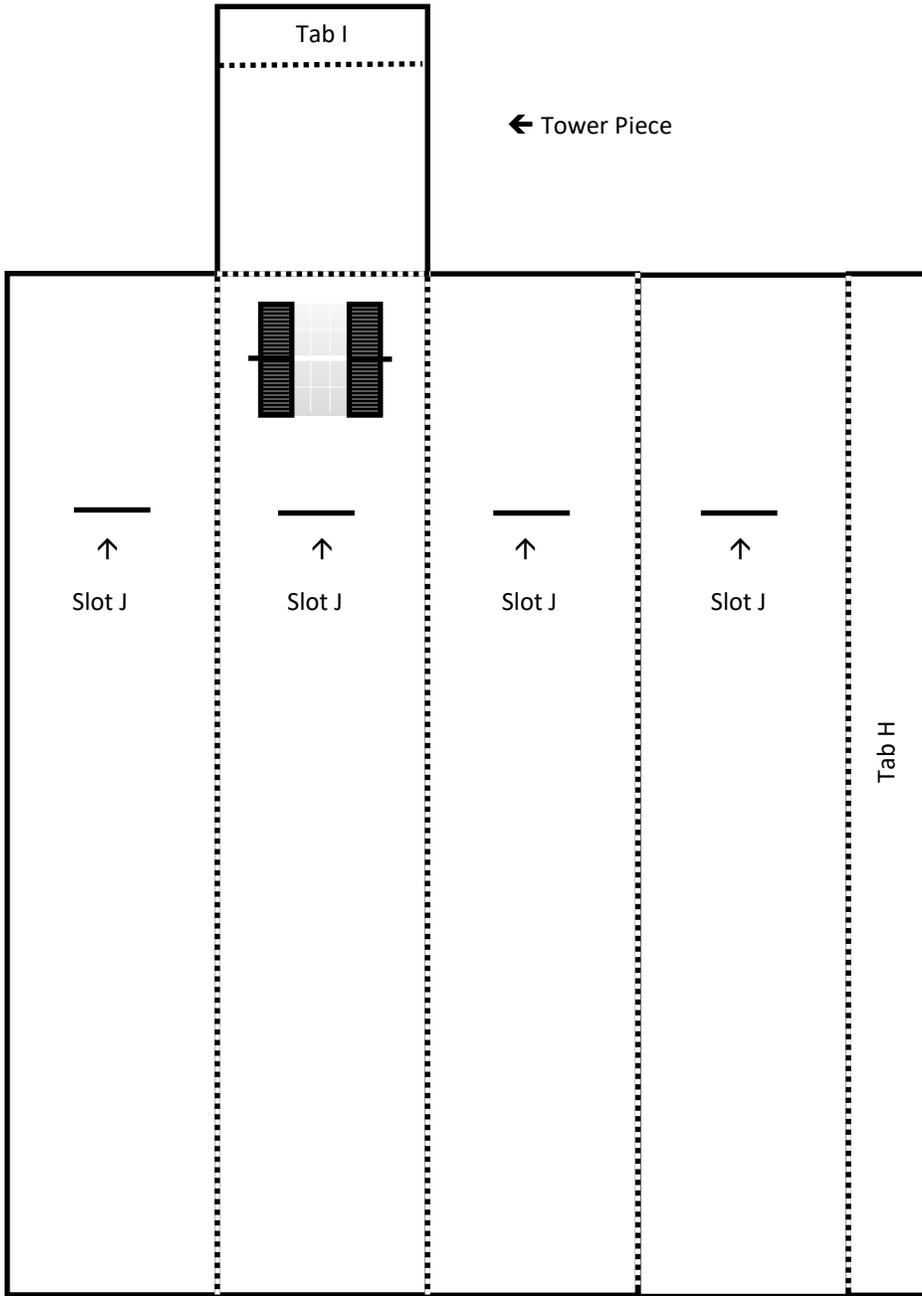


↑ Platform Piece

Beacon Piece →





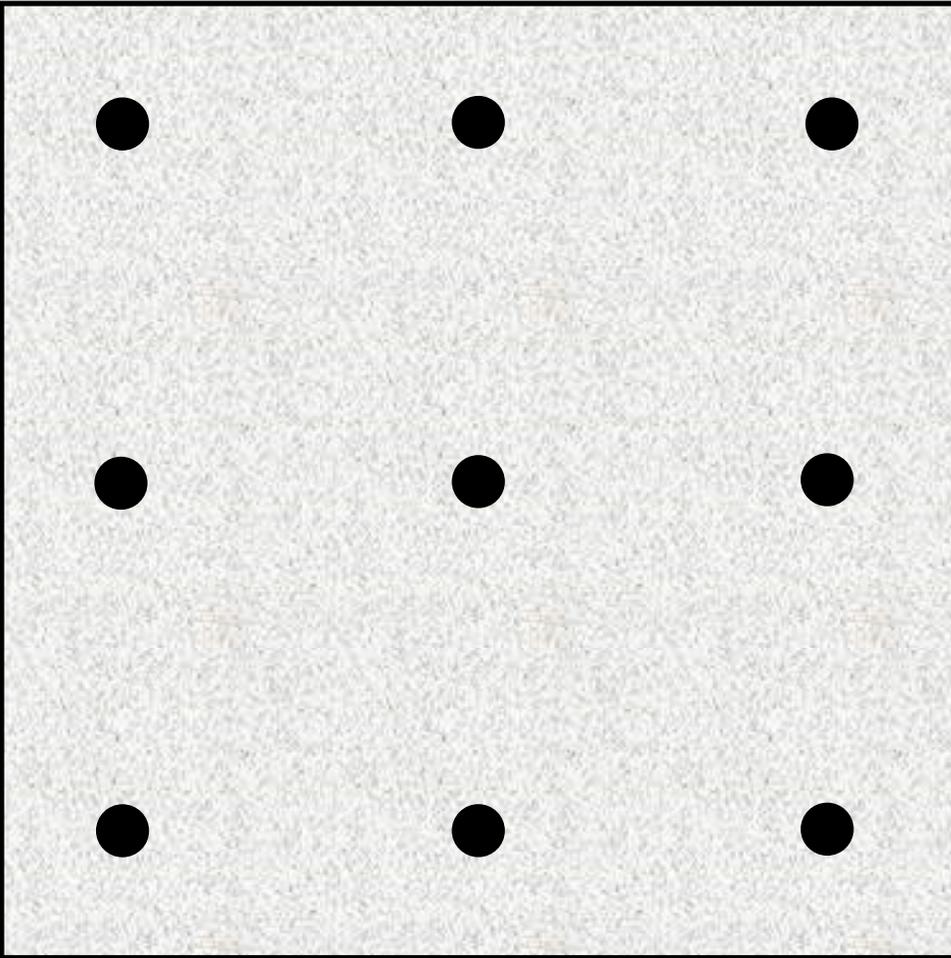


Tag Piece →

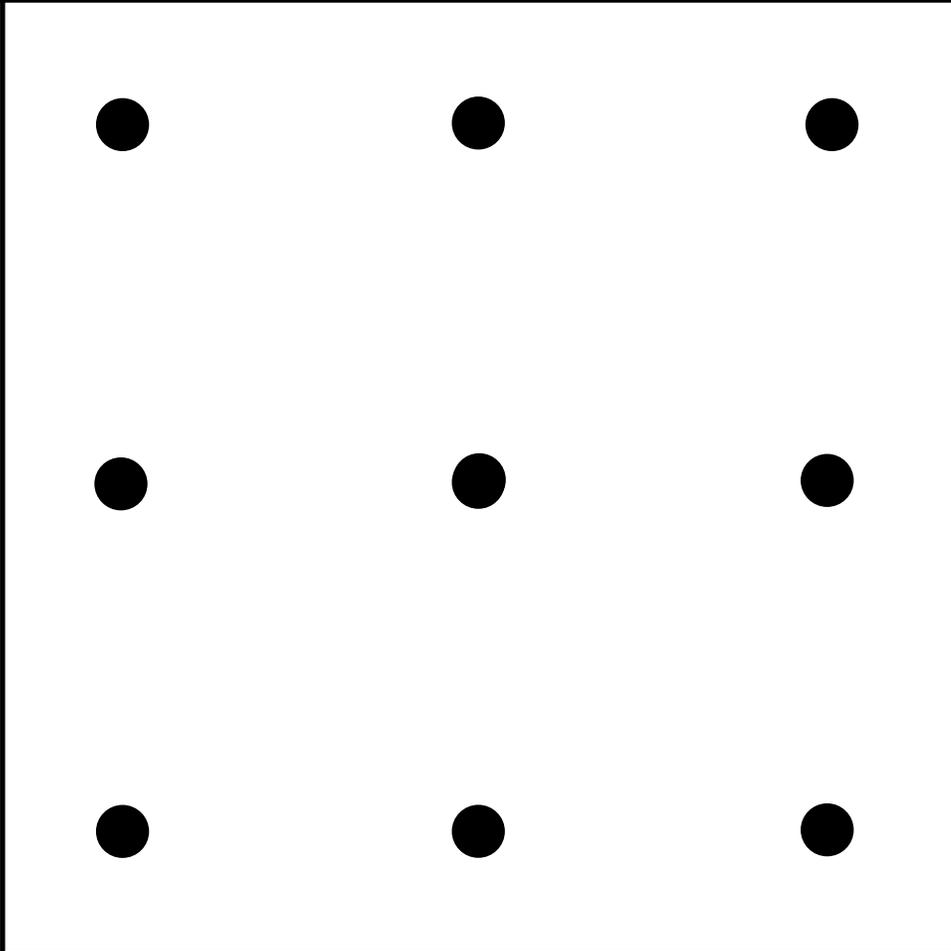
New Canal Lighthouse, LA	
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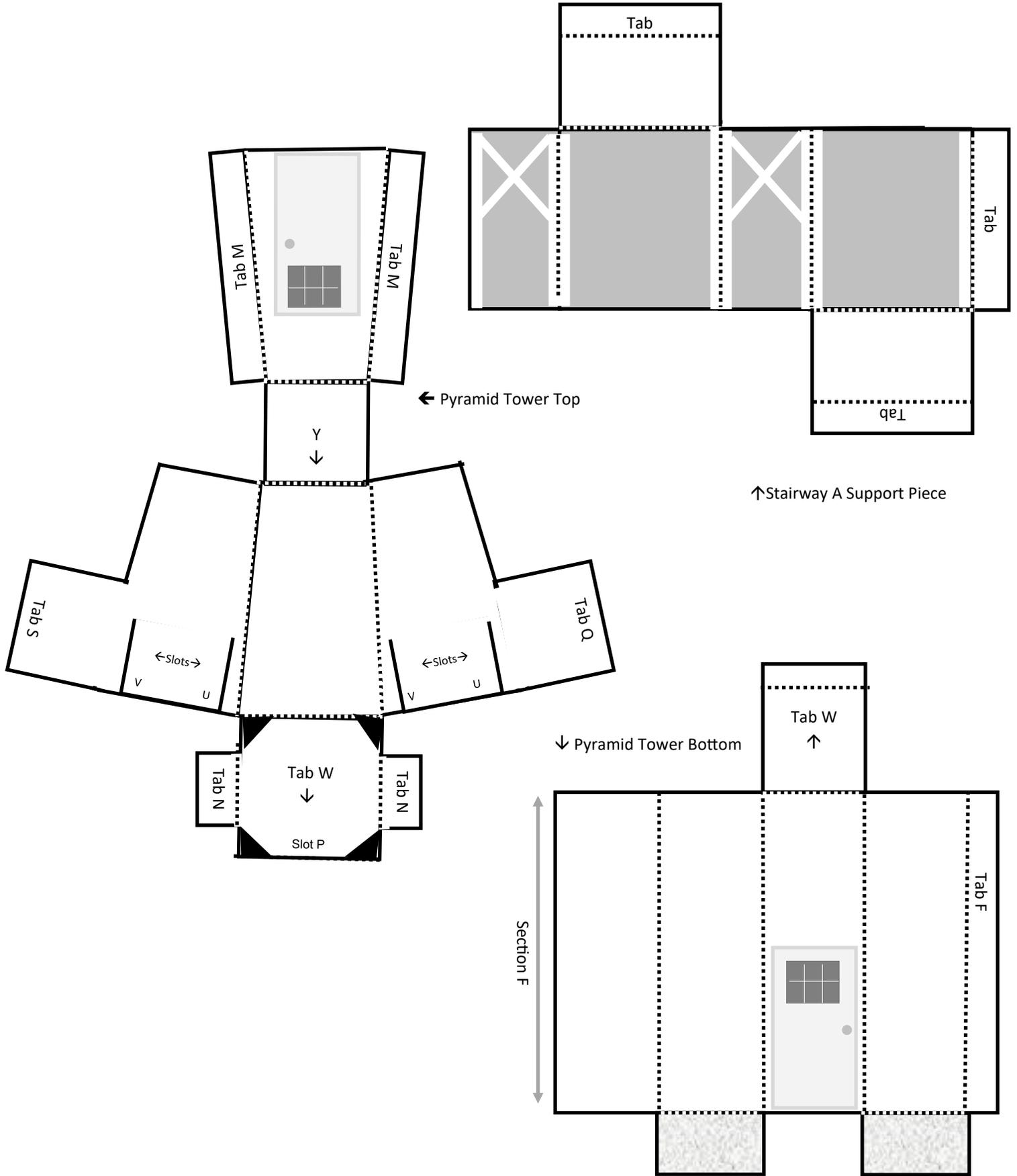
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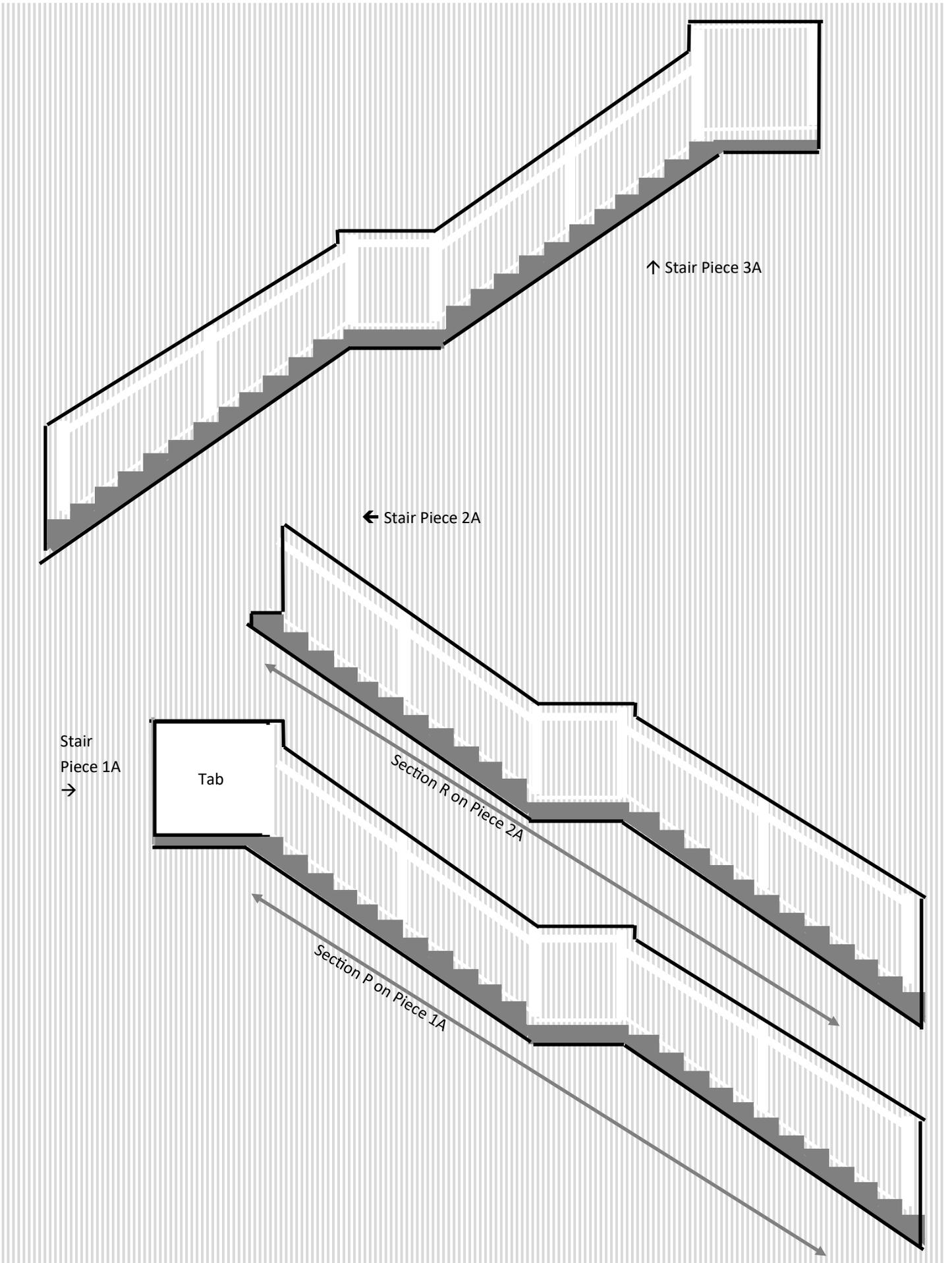


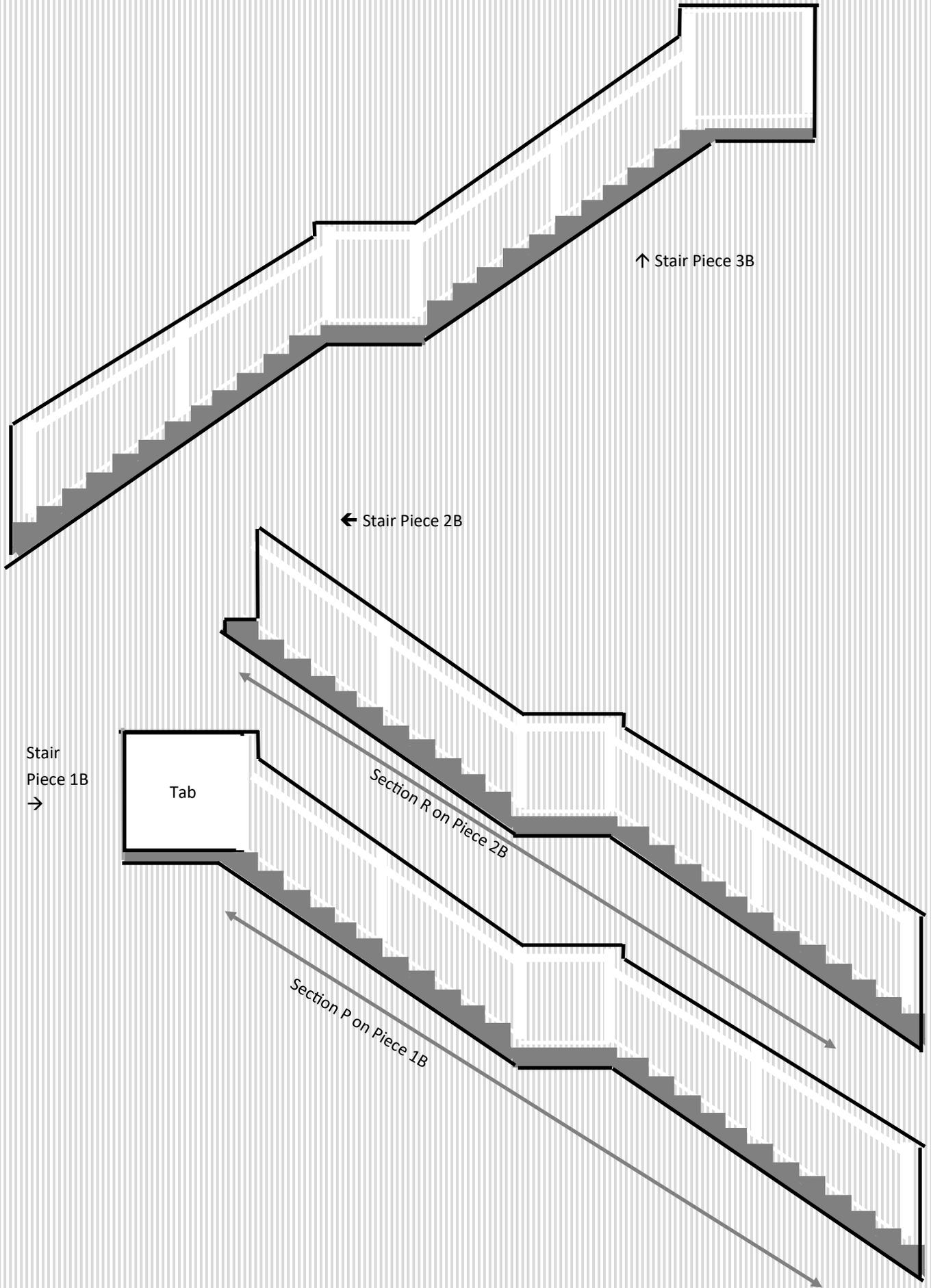
← Top Concrete Pad Piece

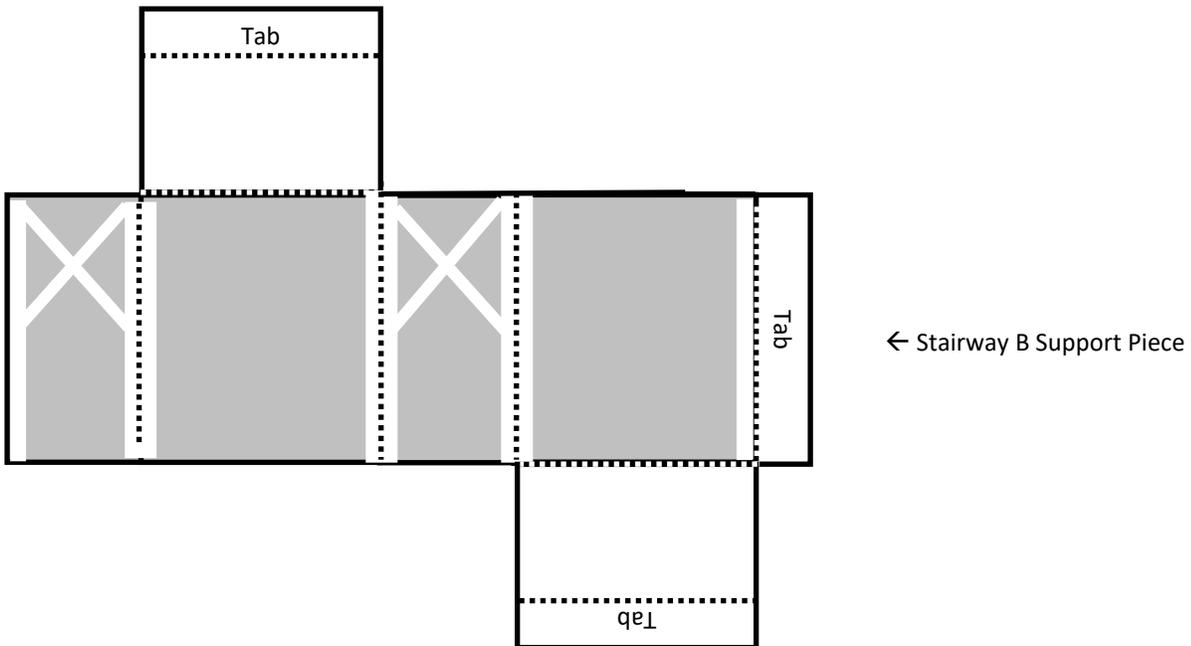
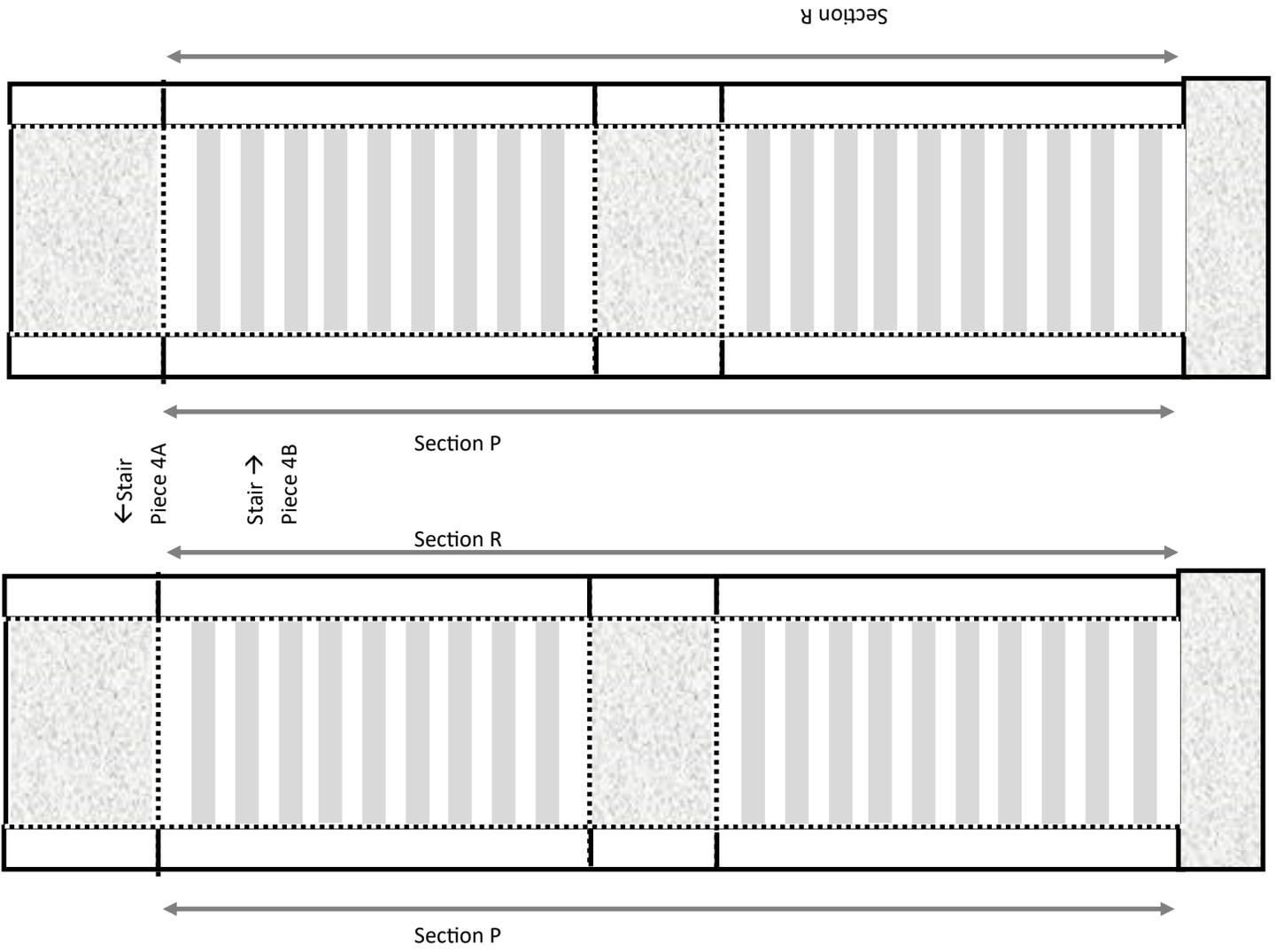


← Stilt Ceiling Piece

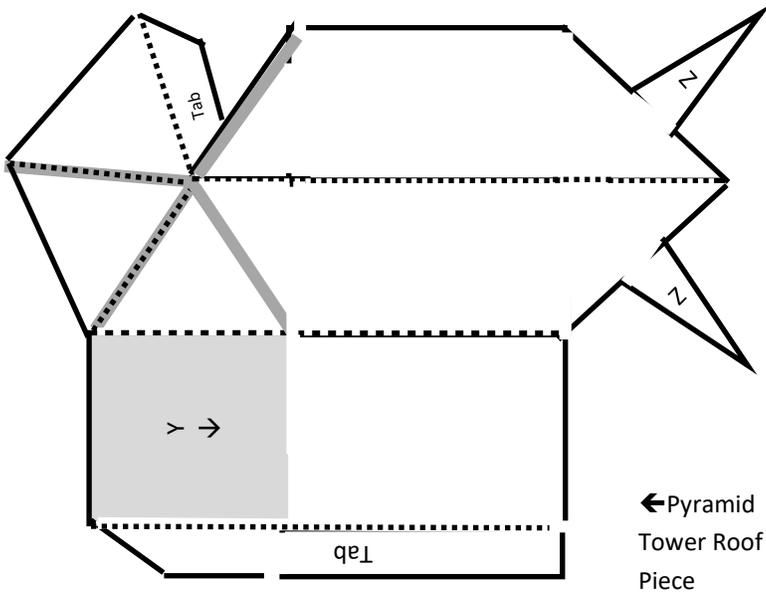




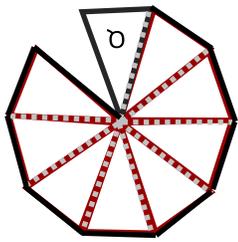




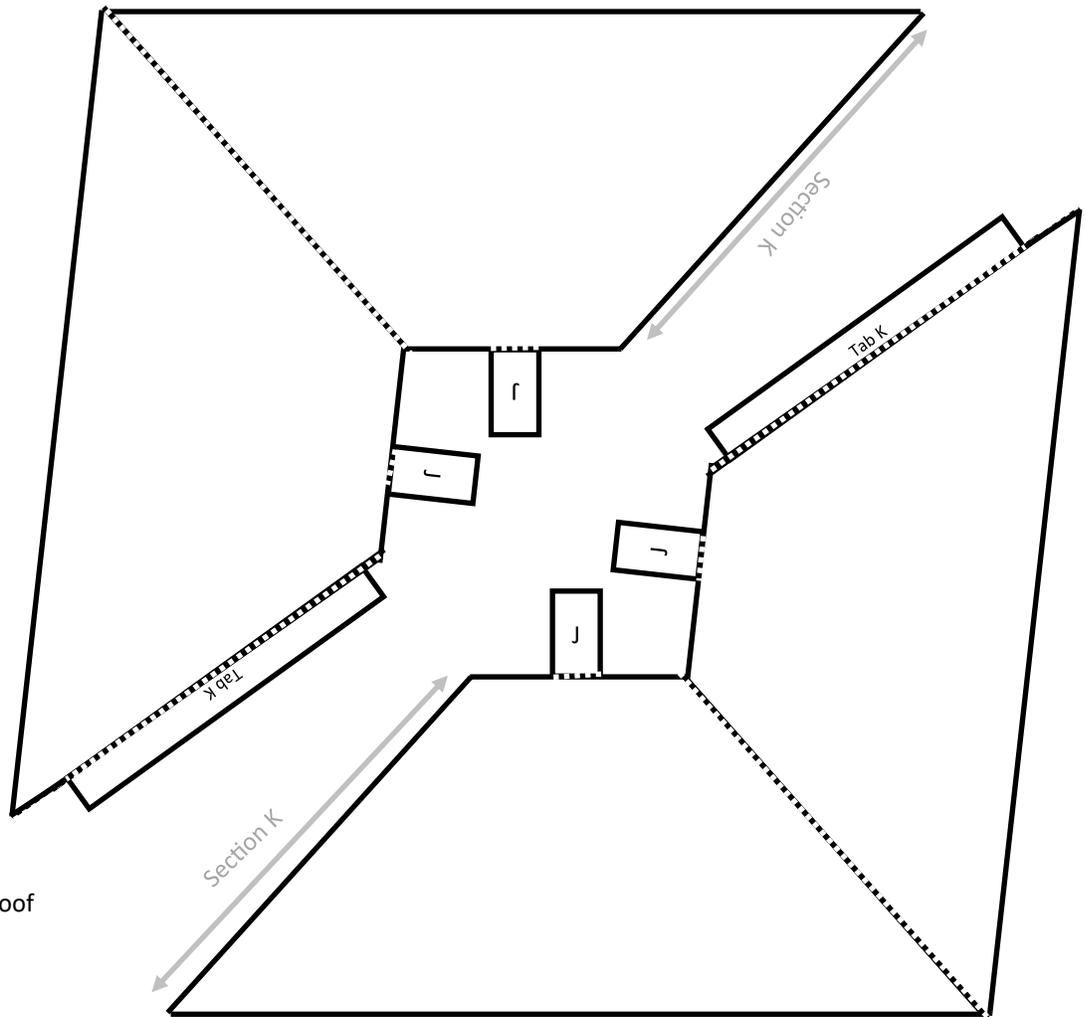
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← Pyramid
Tower Roof
Piece

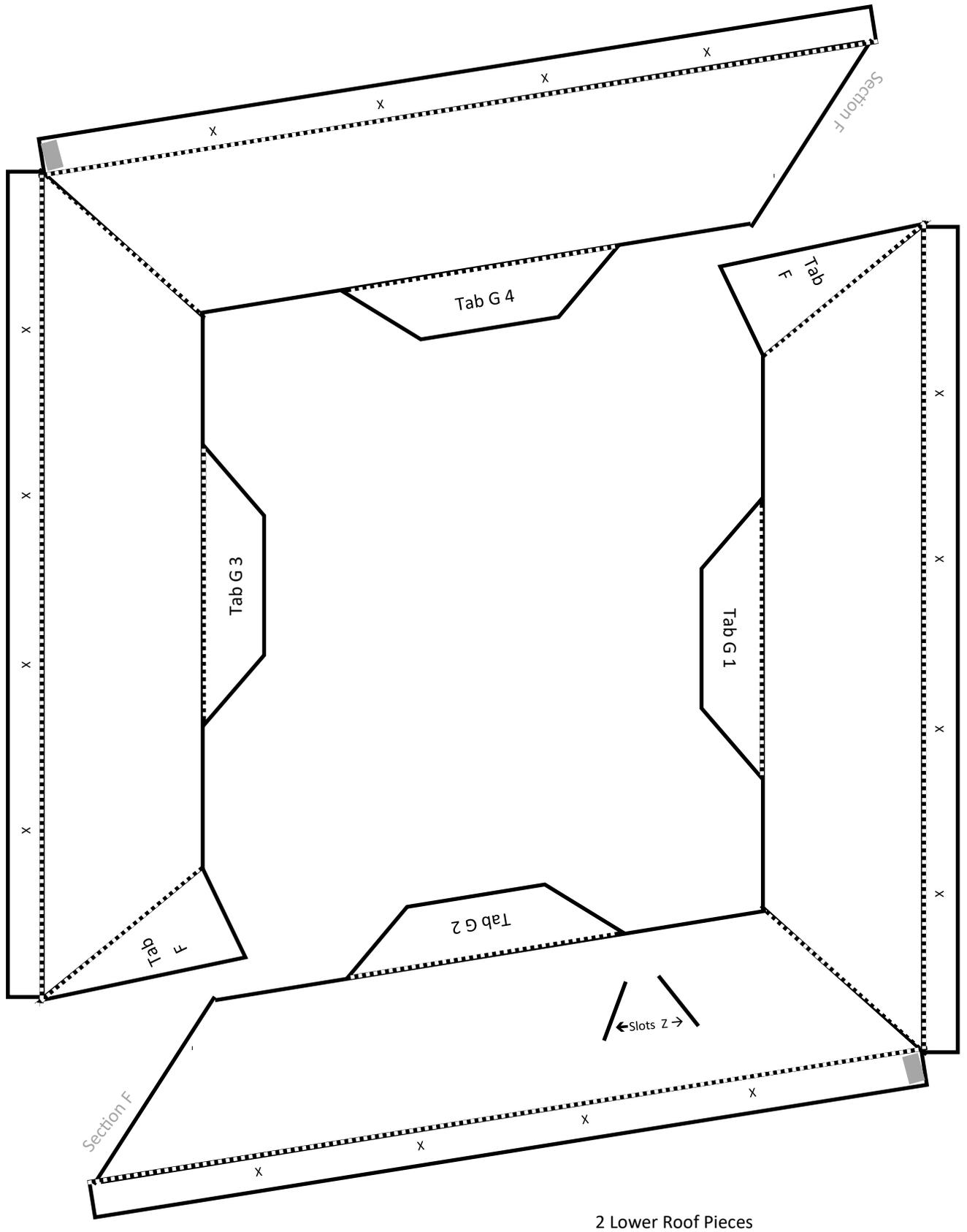


↑ Beacon Roof
Piece



2 Upper Roof
Pieces

Is there a way to Add lines
like metal roof???. See pics.



2 Lower Roof Pieces

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