

## Paper Roller Coaster Electronic Templates

Thank you for your purchase. To get started, follow these steps:

1. Make copies of the templates onto card stock (65 lb. or 175 g/sq. m). I prefer to copy the structural pieces (i.e. columns, beams, diagonal supports, shelves, and brackets) on white paper. I then copy each of the other pieces on different colored paper. That makes it easier for the students to find the desired piece. It also helps you to see which pieces are getting low. Another option is to use white paper for the structure and a single color for all of the other pieces. This still makes it easy to see the path for the marble. The chart below shows suggested number of copies of each template to make one large coaster.
2. Cut the sheets into strips using a paper cutter. Cut along every thin black line.
3. Cut pieces of sturdy cardboard or foam board so that you will have one for the base of each roller coaster. My suggested size is 12  $\frac{3}{4}$ " x 22  $\frac{3}{4}$ ". With this size, columns can be mounted in the corners of the board and midpoints of the long edges, leaving exactly the right amount of space to attach beams without any trimming necessary.
4. Gather other supplies, such as scissors, rulers, ball point pens, and enough rolls of tape so that each person or group has at least one roll.
5. Use the instruction manual to learn how to build each piece. Practice making each piece so you'll be able to explain it to your students.
6. To give your students some ideas for their roller coasters, you might want to show your students all of the roller coasters in the website gallery: [www.PaperRollerCoasters.com](http://www.PaperRollerCoasters.com)
7. Lesson plans have been designed for students at very different grade levels. Please visit <http://paperrollercoasters.com/lessons.html> to see the latest versions of the lessons..

Page Number	Template name	Suggested number of copies per roller coaster	Suggested colors
3	Columns	15	White
4	Beams	10	White
5	Diagonal Supports	4	White
6	Shelf	2	White
7	Brackets	1	White
8	Straight Track	3	Red
9	Sharp Curve	3	Green
10	Wide Curve	3	Yellow
11	Funnel	2	Orange
12	Merge	1	Purple
13	Loop	1	Light Blue

If you have any questions, please contact me at [service@paperrollercoasters.com](mailto:service@paperrollercoasters.com).

Andrew Gatt



column

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column

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beam

cut to length  
desired

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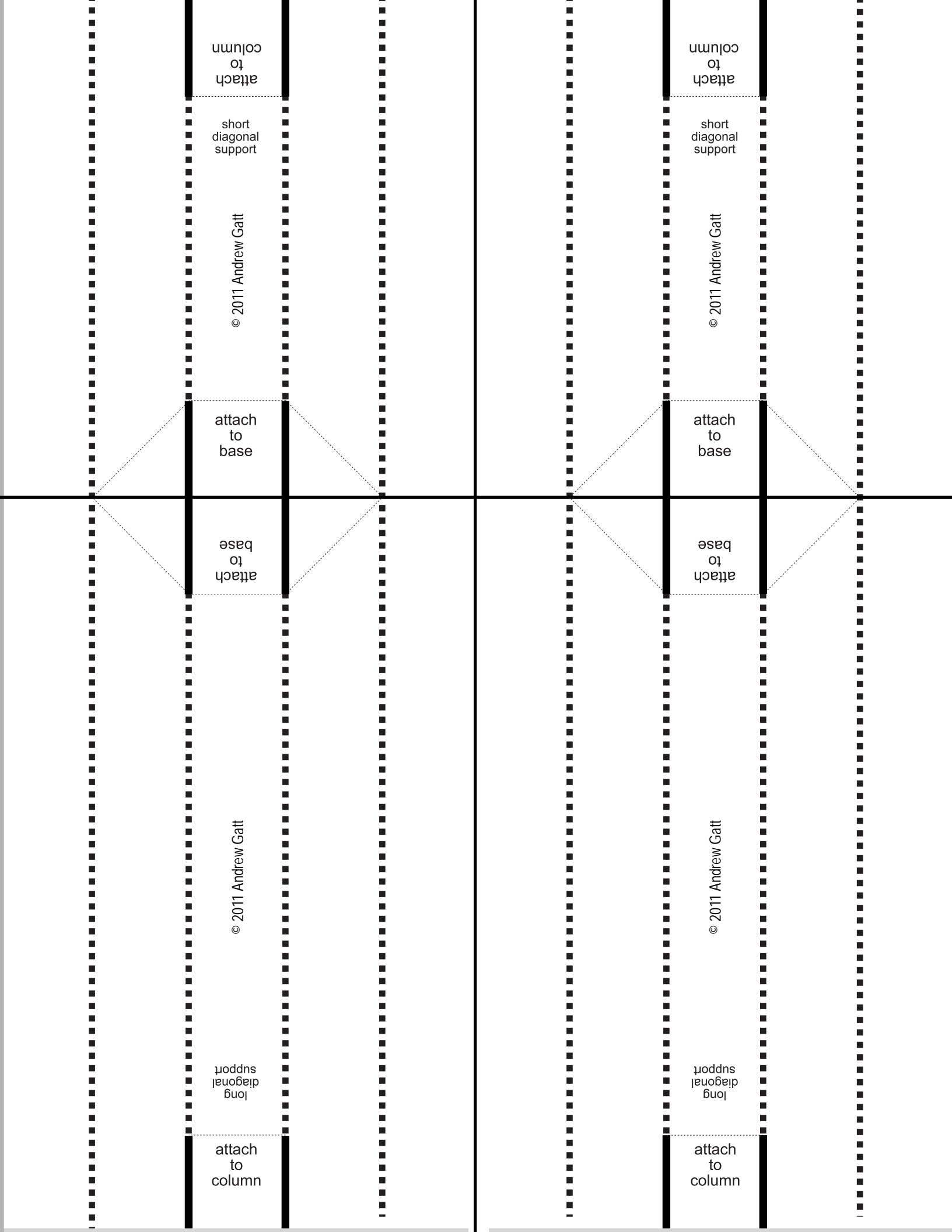
***PaperRollerCoasters.com***

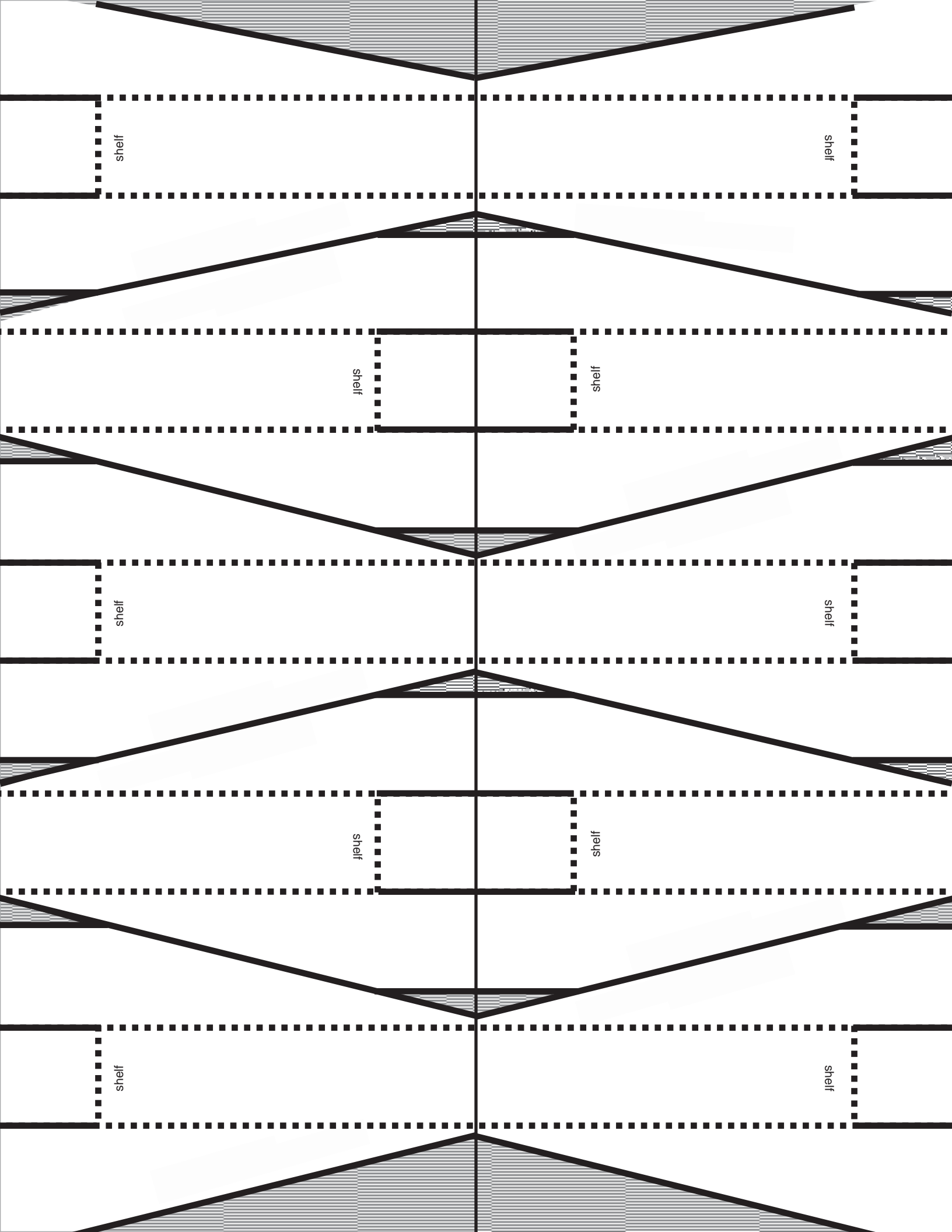
beam

cut to length  
desired

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brackets

	brackets	
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brackets

■                  ■  
 ■        brackets     ■  
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fold

straight  
track

fold

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fold

straight  
track

fold

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fold

straight  
track

fold

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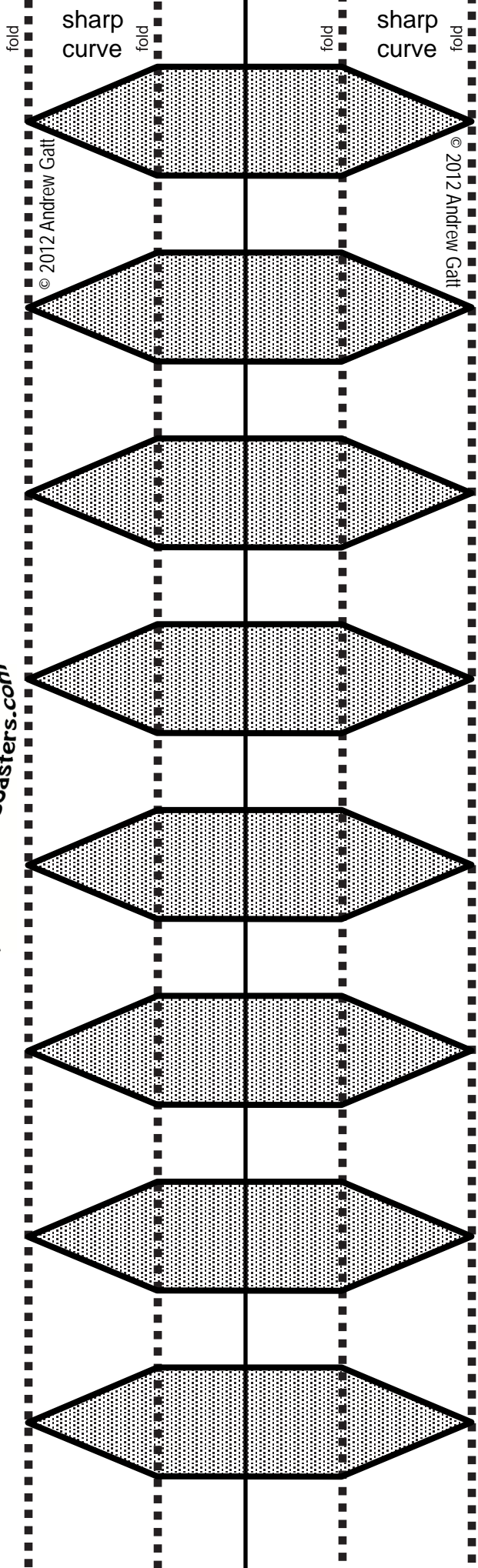
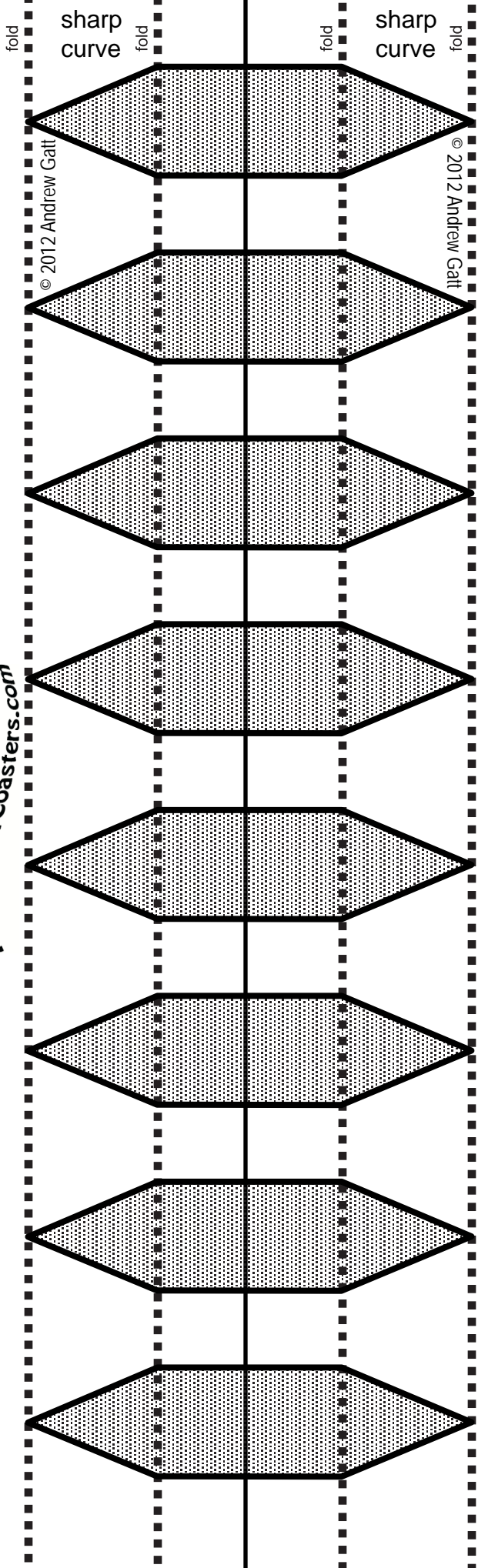
fold

straight  
track

fold

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wide  
curve

wide  
curve

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wide  
curve

wide  
curve

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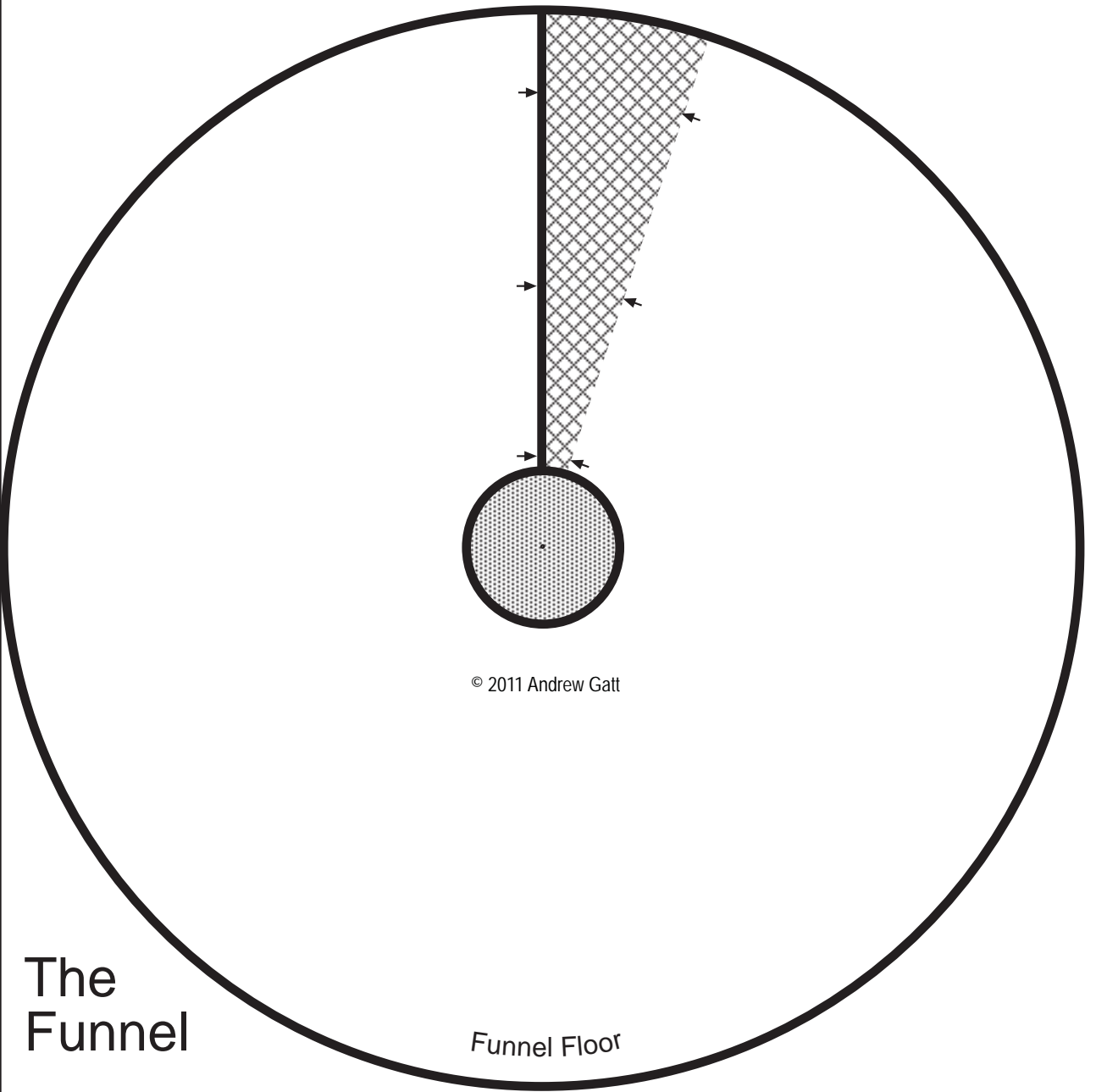
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Long Funnel Wall



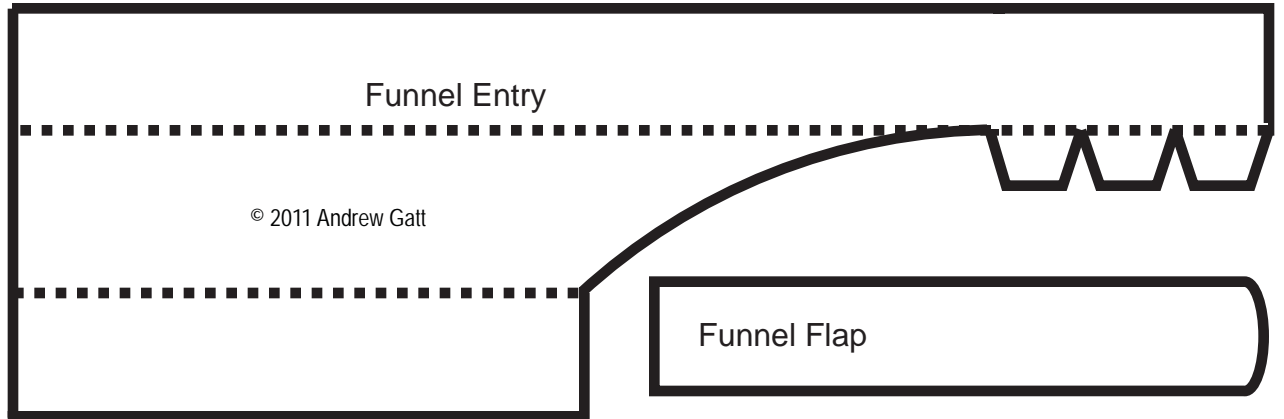
The Funnel

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Funnel Floor



Short Funnel Wall

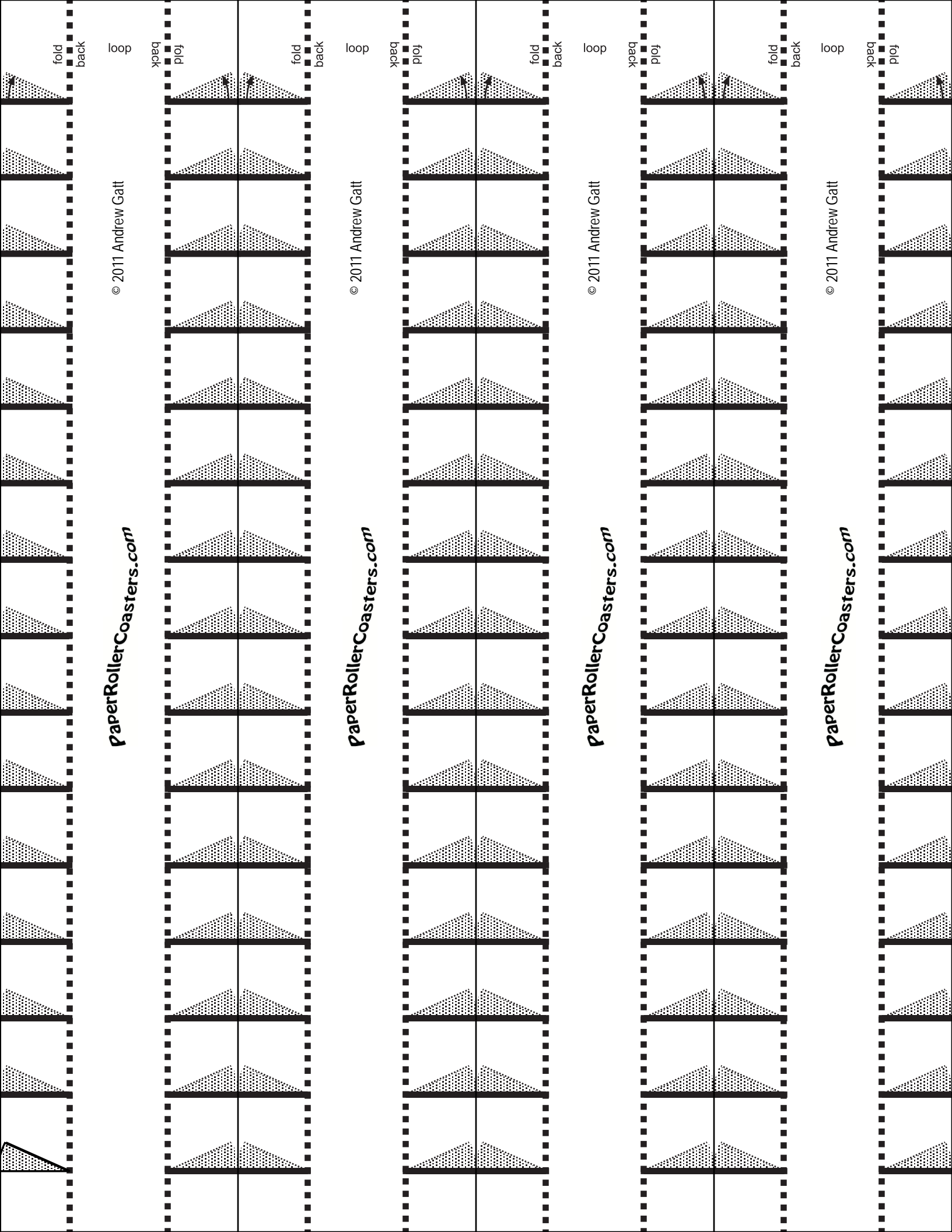


Funnel Entry

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Funnel Flap





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