



airplane

by kacia hosmer

designed and made by
kacia hosmer
coconutrobot.com

finished quilt size: 36" x 52"

skill level: very challenging
pattern-approach with
determination and
patience!

There's nothing more enticing than crisp paper, given the right creases and folds, taking flight. Kacia Hosmer, however, lets her fabric do the flying with this soaring quilt. Working with regular piecing, paper piecing and half-square triangles, this clever quilt is a step-by-step take on "building" the perfect aircraft. In our instructions, each block is actually the "step" for each stage of making the airplane as shown on the quilt. By using newsprint fabrics and varying wrong and right sides, you can indicate folding direction. Best. Airplane. Ever.

overall materials

- Background: Blue 2 yards
- Accent color stripes/Green: $\frac{1}{3}$ yard
- Newspaper print total: 1 yard
(Right side for Plane Color 1: $\frac{2}{3}$ yard;
Wrong side for Plane Color 2: $\frac{1}{3}$ yard)
- Backing and binding: Blue $2\frac{3}{8}$ yards
- Batting: 45" x 60"
- Quilter's Freezer Paper from C&T Publishing (using this product eliminates a labor-intensive step, but you can use regular freezer paper if you need to. Quilter's Freezer Paper is available from ctpub.com and Amazon.com, as well as local quilt shops.)
- Extra-fine permanent marker
- Cellophane tape
- Medium green and white embroidery floss
- Paper scissors

airplane, continued

cutting instructions

(Note: Because you are intentionally using the wrong and right sides of the newspaper print fabric, separate them completely in your sewing area, either in bags or in a bins that are marked "Wrong Side" and "Right Side". This will alleviate confusion during your piecing.)

Green accent stripes:

- Cut (2) strips $4\frac{1}{2}$ " x WOF.
Trim each to $36\frac{1}{2}$ " in length.

Blue background (BG):

- Cut (4) strips $2\frac{1}{2}$ " x WOF.
Trim each to $36\frac{1}{2}$ " in length.
- Cut (1) strip 5" x WOF.
Then cut (3) 5" x 5" squares.
- Cut (5) strips $3\frac{1}{2}$ " x WOF.
Then cut (4) strips $3\frac{1}{2}$ " x $10\frac{1}{2}$ ";
(4) strips $3\frac{1}{2}$ " x $5\frac{1}{2}$ "; (4) strips $3\frac{1}{2}$ " x $15\frac{1}{2}$ ";
and (2) strips $3\frac{1}{2}$ " x $36\frac{1}{2}$ ".
- Cut (1) $4\frac{1}{2}$ " x $5\frac{1}{2}$ " rectangle
- Plane templates 1, 6, 8 and 11.

Newspaper Plane Print-Right side of fabric/PlaneColor 1 (PC1):

- Cut (1) strip $8\frac{1}{2}$ " x WOF. Then cut (2) $8\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangles and (1) $8\frac{1}{2}$ " x $5\frac{1}{2}$ " rectangles.
- From remaining strip, cut (3) $1\frac{1}{2}$ " x $1\frac{1}{2}$ " squares and (1) $4\frac{1}{2}$ " x $4\frac{1}{2}$ " square.
- Plane templates 2 and 4.

Newspaper Plane Print-wrong side of fabric/Plane Color 2 (PC2):

- Cut (1) strip 5" x WOF.
Then cut (3) 5" x 5" squares.
- Cut (1) $8\frac{1}{2}$ " x $6\frac{1}{2}$ " rectangle.
- Cut (1) strip $1\frac{1}{2}$ " x WOF.
Then cut (2) $1\frac{1}{2}$ " x $4\frac{1}{2}$ " rectangles.
- Plane templates 3, 5, 7, 9 and 10.

piecing instructions

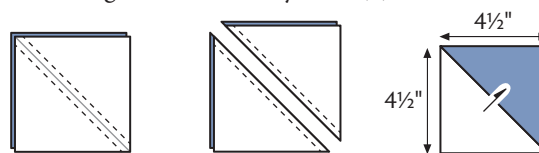
For the top and bottom accent stripes:

1. Sew (1) $2\frac{1}{2}$ " x $36\frac{1}{2}$ " BG (blue background) strip to (1) $4\frac{1}{2}$ " x $36\frac{1}{2}$ " green accent strip.
2. Then sew (1) $2\frac{1}{2}$ " x $36\frac{1}{2}$ " BG strip to the other side of the green accent strip.

3. Press seams to blue. Repeat once more for (2) strip sets and set aside.

For half-square triangles:

1. Take (1) 5" x 5" PC2 square and (1) 5" x 5" BG square. Place WRONG SIDE of PC2 to RIGHT SIDE of BG square, matching edges.
2. Draw a diagonal line from one corner to the other. Then, sew $\frac{1}{4}$ " away from each side of diagonal line.
3. Carefully cut along diagonal line. Open half-square triangles and press seam to BG. Trim block to $4\frac{1}{2}$ " x $4\frac{1}{2}$ ".
4. Repeat twice more to create (6) half-square triangles. You will only need (5).



For Block 1 and 2:

1. Set aside the (2) $8\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangles.

For Block 3:

1. Place (2) half-square triangles together, right sides together, and sew along newsprint side. (When the unit is open, the newsprint triangles form a pyramid with the BG in the corners.) Press seam open.
2. Sew this unit to the top edge of the $8\frac{1}{2}$ " x $6\frac{1}{2}$ " PC1 rectangle. Press seam to larger rectangle. Set aside.

For Block 4:

1. Place the $8\frac{1}{2}$ " x $5\frac{1}{2}$ " PC2 rectangle right side up (which means you're seeing the back side of the newsprint fabric). In lower left corner of rectangle, place (1) $4\frac{1}{2}$ " x $4\frac{1}{2}$ " PC1 square, wrong side down (which means you'll see the same back side of the newsprint fabric) and line up the outside edges. Pin in place.
2. Draw a diagonal line from lower right corner to upper left corner of the square. Then, sew along diagonal line. Cut $\frac{1}{4}$ " away from the diagonal stitch line towards the outside half of square. Open triangle and press seam to outside.
3. Repeat process with lower right corner of rectangle and second square. When done, rectangle should measure $8\frac{1}{2}$ " x $5\frac{1}{2}$ ". Set aside.

airplane, continued

For Block 5:

1. Place (2) half-square triangles together, right sides together, and sew along newsprint side. (When the unit is open, the newsprint triangles form a pyramid with the BG in the corner.) Press seam open. Set aside.
2. Take $1\frac{1}{2}$ " x $4\frac{1}{2}$ " PC1 rectangle and place right side up (which means you'll see the front side of the newsprint fabric). Take $1\frac{1}{2}$ " x $1\frac{1}{2}$ " PC2 square and place wrong side down in right corner of rectangle (which means you'll see the same front side of the newsprint fabric). Line up edges and pin in place.
3. Draw a diagonal line from lower right corner to upper left corner of the square. Then, sew along diagonal line. Cut $\frac{1}{4}$ " away from the diagonal stitch line towards the outside half of square. Open triangle and press seam to outside. Repeat process once more to create (2) units. Set one aside for Block 6.
4. Take $1\frac{1}{2}$ " x $4\frac{1}{2}$ " PC1 rectangle and place right side up (which means you'll see the front side of the newsprint fabric). Take $1\frac{1}{2}$ " x $1\frac{1}{2}$ " PC2 square and place wrong side down in left corner of rectangle (which means you'll see the same front side of the newsprint fabric). Line up edges and pin in place.
5. Draw a diagonal line from lower left corner to upper right corner of the square. Then, sew along diagonal line. Cut $\frac{1}{4}$ " away from the diagonal stitch line toward the outside half of square. Open triangle and press seam to outside. This unit is a mirror image of the other two you created.
6. To finish Block 5, place the two mirror-image rectangle units, right sides together, and sew along the short side where the half-square triangles are. Open and press seam to one side. You will have an inverted pyramid in the middle of one long rectangle.
7. Take larger half-square unit rectangle and place it right side up on a table with the newsprint pyramid point facing up.
8. Take narrow strip unit and place right side up with small pyramid point down along the bottom edge of the larger rectangle. Line rectangles up matching edges and seams. Flip the narrow strip unit over and onto the bottom edge of the larger rectangle.

9. Pin edges together nesting seams and sew. Open and press seam to larger triangle. (Check placement against layout illustration, page 84.)

For Block 6:

1. Take last half-square unit and place right side up on a table. Newsprint triangle should be on right side.
2. Take last narrow strip unit and place right side up, with small triangle point down, along the bottom edge of half-square unit. Line edges and flip the narrow strip over and onto the bottom edge of the half-square triangle unit.
3. Pin edges together and sew. Open and press seam to larger triangle. (Check placement against layout illustration, page 84.)

For Airplane Block:

Before launching into this last block, you'll need to do some prep work. First, print the template pages (following page 5). Make sure your printer is set to "actual size" (there is a test box on the templates to make sure your prints' scale is correct). There are (10) pages total for the templates. Because of the airplane's large size, some of the templates will need to be taped together to form one section. (We know. We're sorry. But that's the only way to get these pieces at the right size from $8\frac{1}{2}$ " x 11" paper.)

Following the directions to ensure you have the paper correctly in your printer's tray, print the templates directly onto Quilter's Freezer Paper, you only need to roughly cut each piece apart and match those pieces that form one larger piece against the guidelines printed on the templates. Tape those pieces together. If you're using regular freezer paper, you'll need to trace each template onto the dull side of the freezer paper. Then roughly cut each template out and tape together those pieces that form one larger piece.

When ironed, the shiny side of the freezer paper will stick to fabric. Templates are numbered from 1 to 11. With a DRY iron, position each template on the RIGHT side of the coordinating fabric and press into place. These templates can be reused several times and will not leave any marks on your fabric. Carefully cut each template piece out along the outside lines. A $\frac{1}{4}$ " seam allowance is included for each piece.

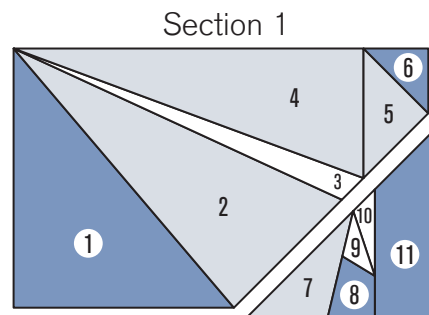
airplane, continued

Now you are ready to piece your airplane together. The plane is pieced in two sections. For each section, you'll start from the left side of the plane and keep sewing the next piece to the right side. Because we're adhering the freezer paper to the right side of the fabric pieces, you'll sew through the paper with $\frac{1}{4}$ " seams. And you'll need to follow the piecing order illustration (right) carefully.

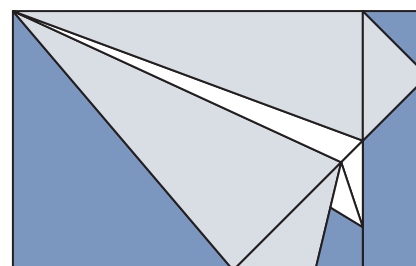
1. For Section 1, sew 2 to 1, then 3 to 2, 4 to 3, 5 to 4 and 6 to 5.
2. For Section 2, sew 9 to 8 and then 8/9 to 7. Sew 10 to 9 and 11 to 10/9/8.
3. Then, sew Section 2 to Section 1. Press all seams to the darkest available piece. Carefully remove freezer paper. Press airplane block again well. (Spray starch is a great way to stabilize this block.) Now it's time to finish piecing your quilt top.

getting it together row-by-row

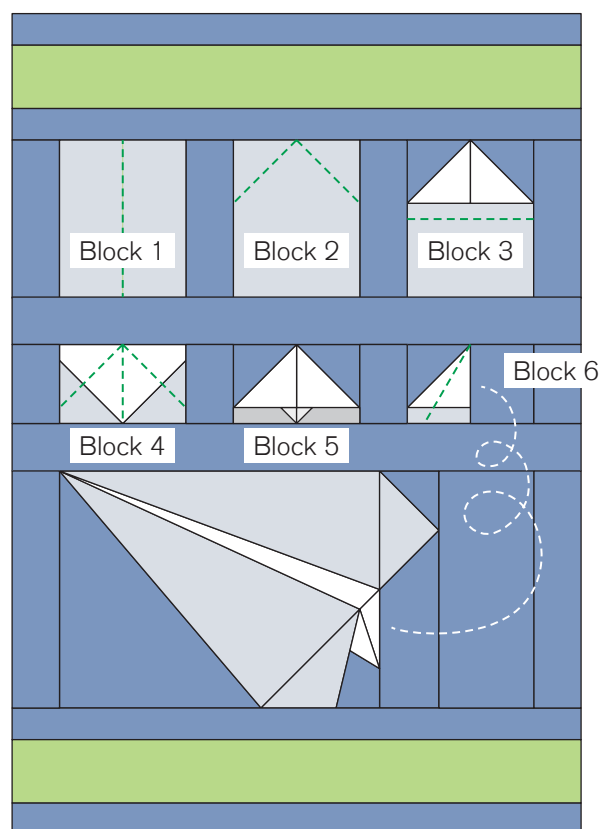
1. Sew Row 1 as follows:
BG $3\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangle; Block 1,
BG $3\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangle, Block 2,
BG $3\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangle, Block 3,
BG $3\frac{1}{2}$ " x $10\frac{1}{2}$ " rectangle .
2. Sew Row 2 as follows:
BG $3\frac{1}{2}$ " x $5\frac{1}{2}$ ", Block 4,
BG $3\frac{1}{2}$ " x $5\frac{1}{2}$ ", Block 5,
BG $3\frac{1}{2}$ " x $5\frac{1}{2}$ ", Block 6,
BG $3\frac{1}{2}$ " x $5\frac{1}{2}$ " AND
BG $4\frac{1}{2}$ " x $5\frac{1}{2}$ ".
3. Row 3: Sew (1) BG $3\frac{1}{2}$ " x $15\frac{1}{2}$ " strip to left side of Airplane block. Then, sew (3) BG strips together along long seams to form one large rectangle. Sew this rectangle to right side of Airplane block. Press seams to outside.
4. Sew rows together from top to bottom with Row 1 on top.
5. Sew $3\frac{1}{2}$ " x $36\frac{1}{2}$ " border to left and right of top.
6. Sew accent stripes pieces to top and bottom of top.
7. Layer, baste and quilt your quilt. Then, long stitch green embroidery floss to show fold lines on blocks and white embroidery floss to show airplane "contrails" as illustrated.
8. Bind your quilt! ★

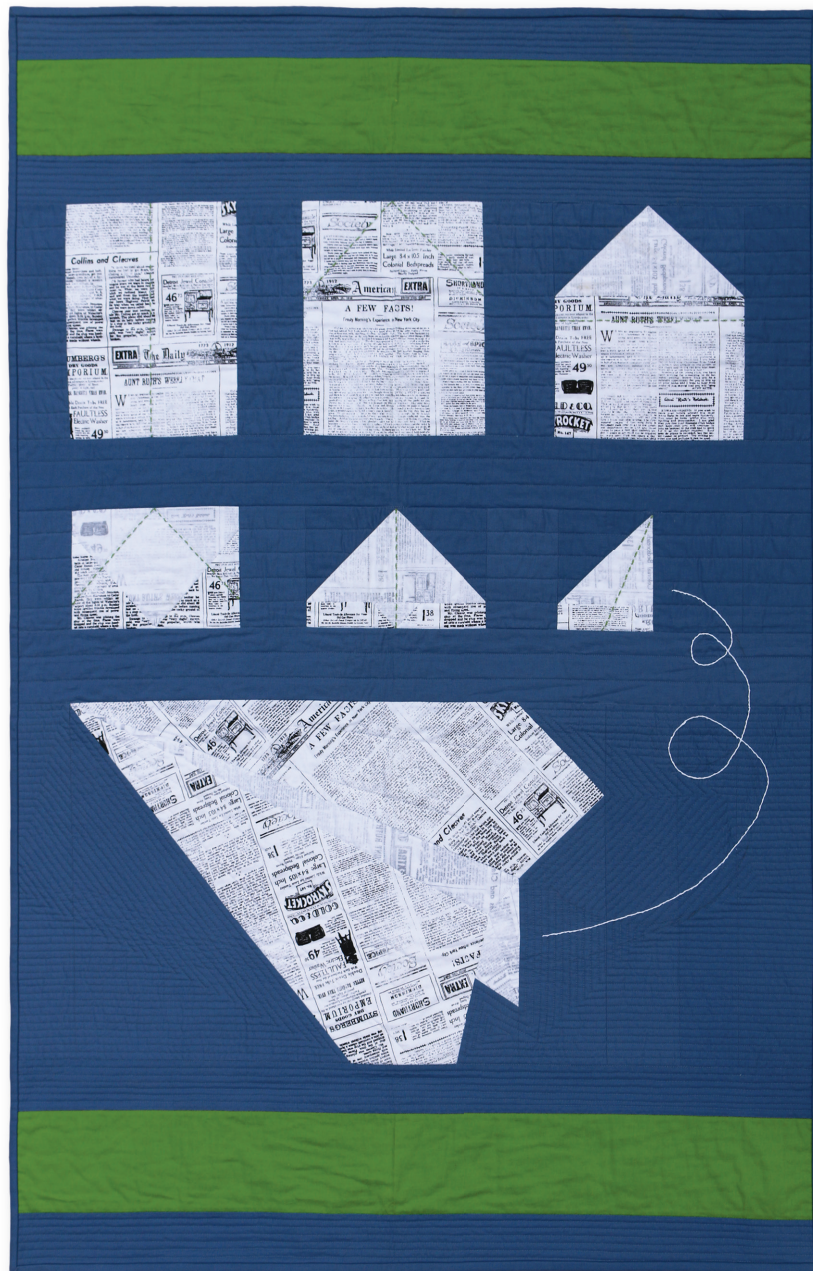


Section 2

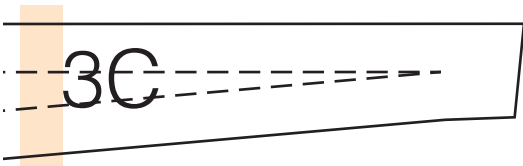
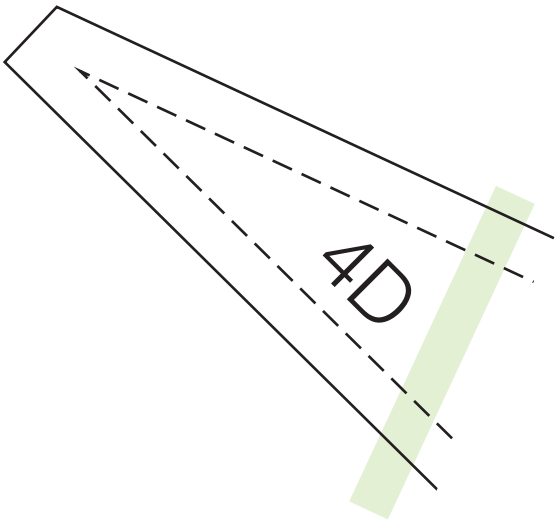
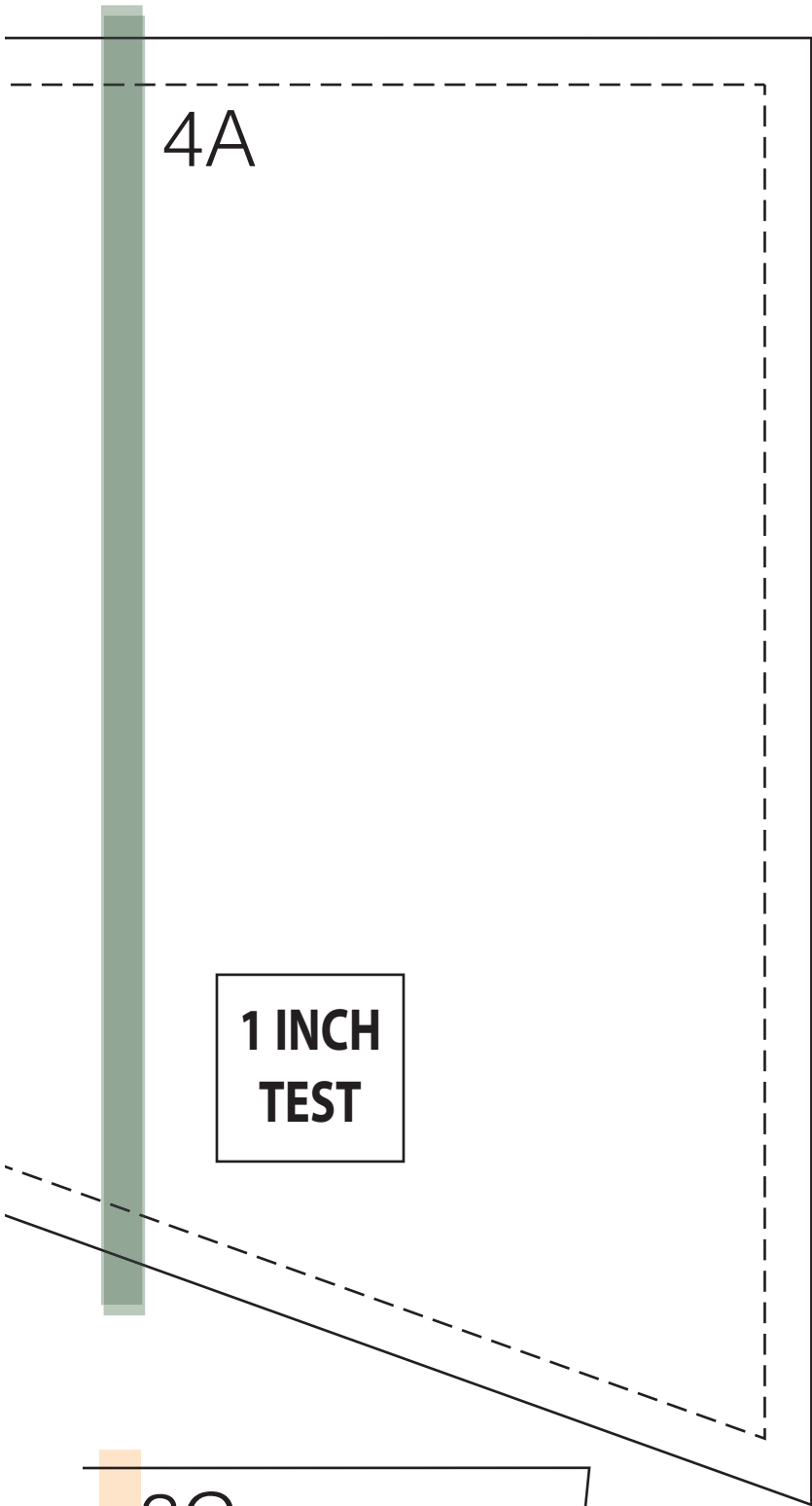


finished airplane block





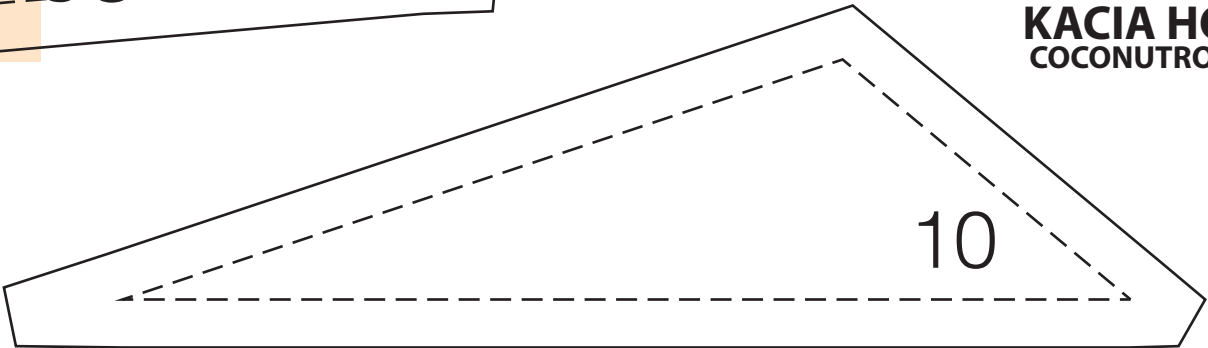
When she's not knitting, sewing or starting another project around the house, Kacia Hosmer is a busy mom living in the city of Pittsburgh. She is often reminded of the time she declared to her parents that she couldn't go a day without art, and her life has been proof of that. Kacia blogs about her family life, creations, tutorials and fashion at CoconutRobot.com, and is excited about the patterns she is releasing soon! Kacia loves to tell a story with her designs, blending her unique aesthetic with modern and traditional inspiration.



PATTERN PIECING INSTRUCTIONS
Match numbers and colored line-guides to piece together paper airplane pattern. Colored lines will overlap and match when placed correctly.
TIP: cut small notch in colored guide to line up colored guides perfectly.

coconut robot
TURN ME INTO SOMETHING BEAUTIFUL

KACIA HOSMER
COCONUTROBOT.COM



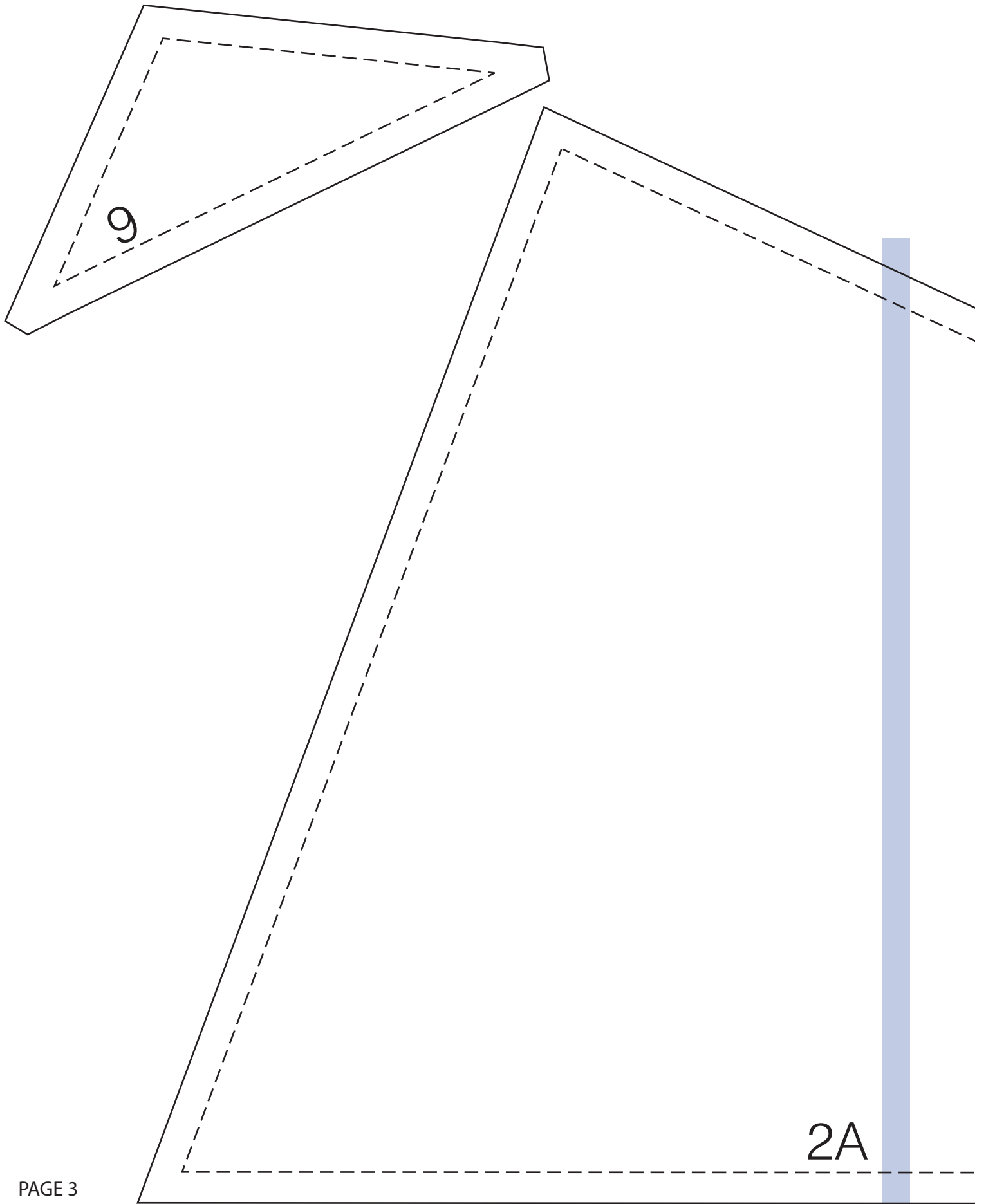


4B

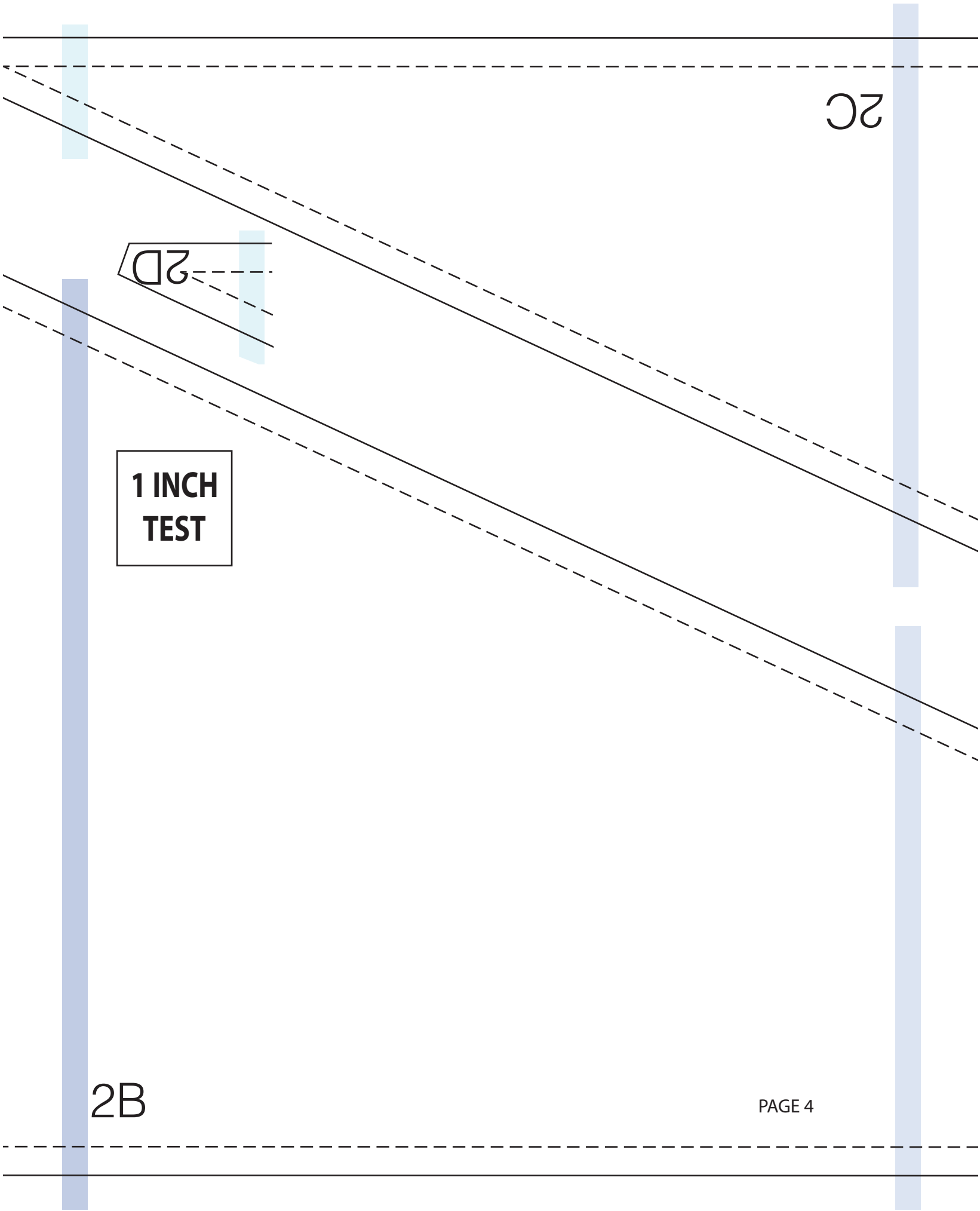


4C



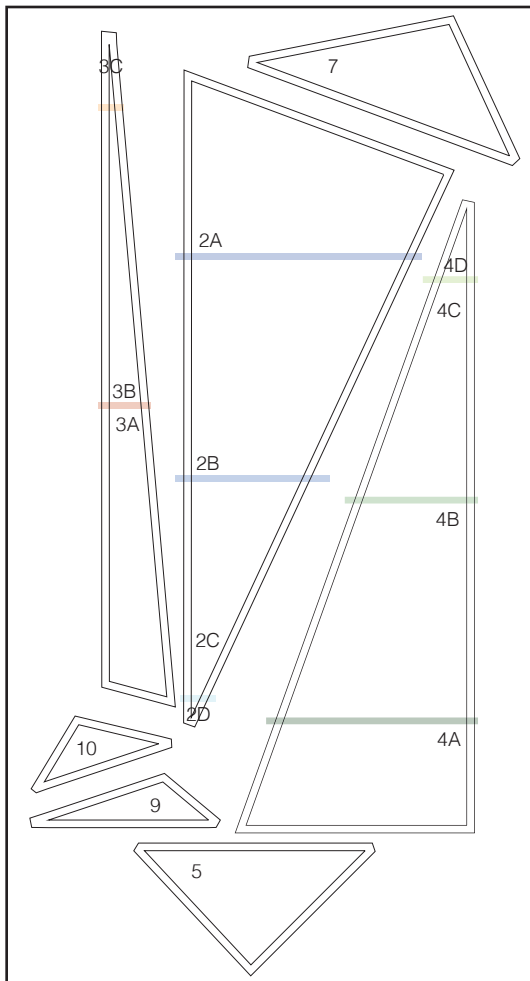
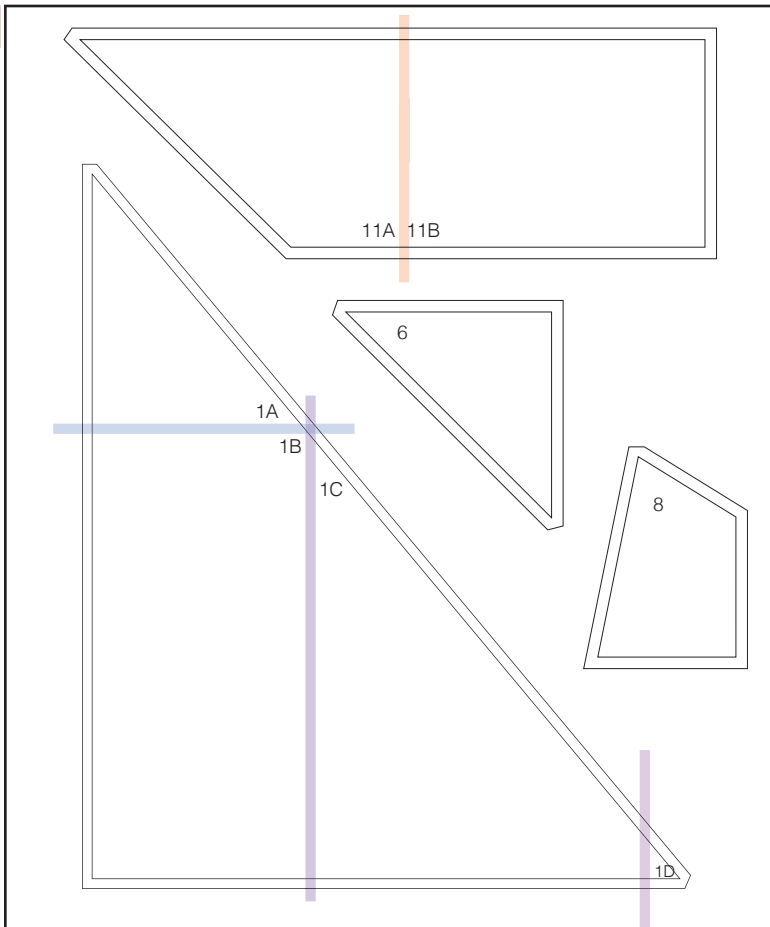


PAGE 3



3A

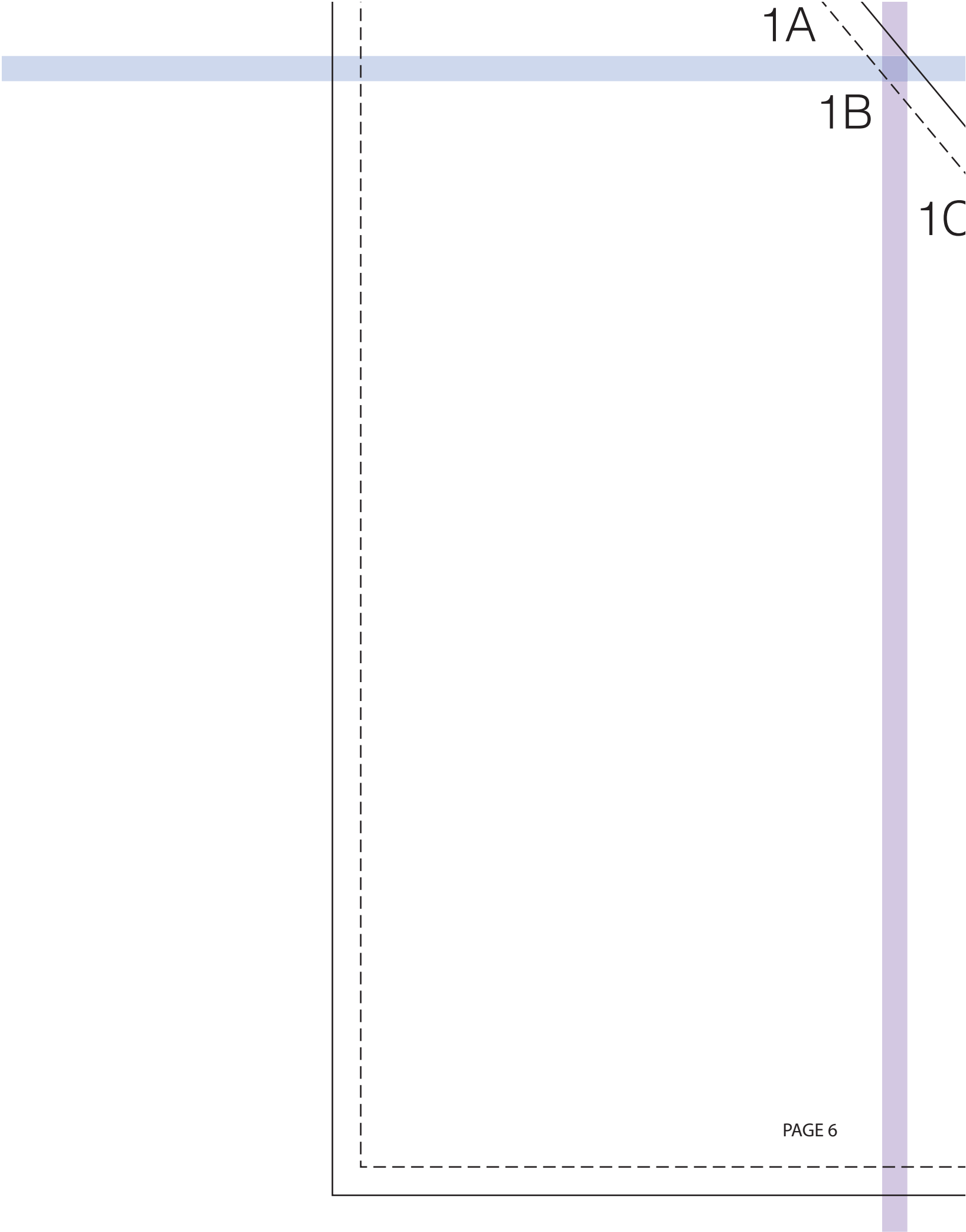
3B



BACKGROUND
PIECES LAYOUT
INSTRUCTIONS

AIRPLANE
PIECES LAYOUT
INSTRUCTIONS

PAGE 5

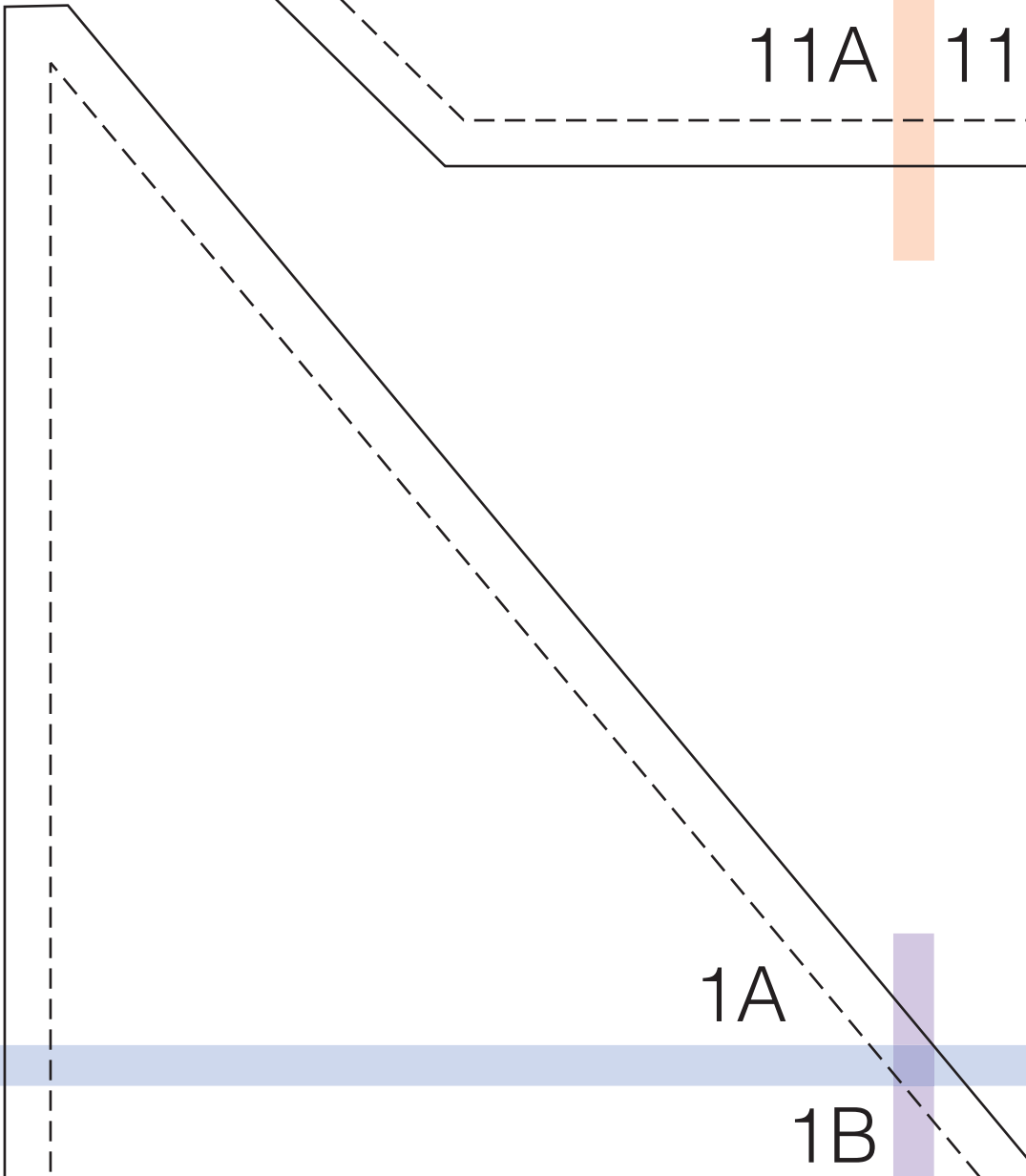
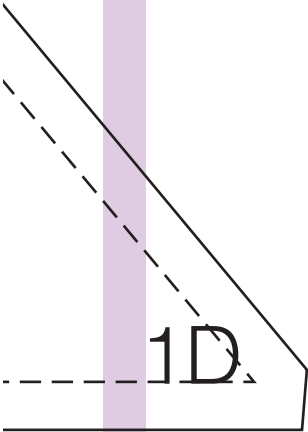


1A

1B

1C

PAGE 6



1D

11A

11

1 INCH
TEST

PAGE 7

1A

1B

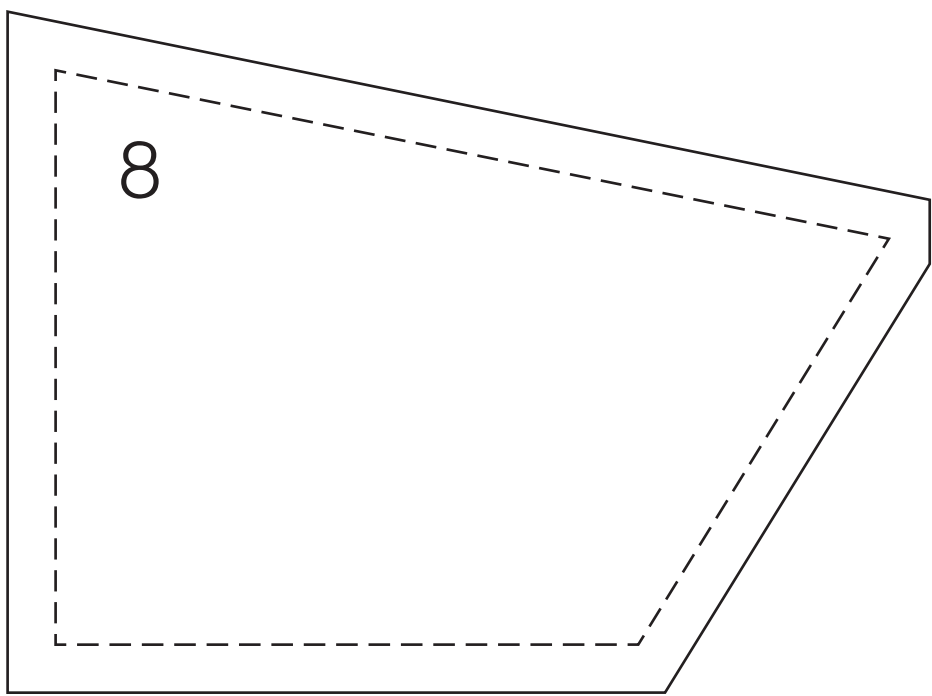
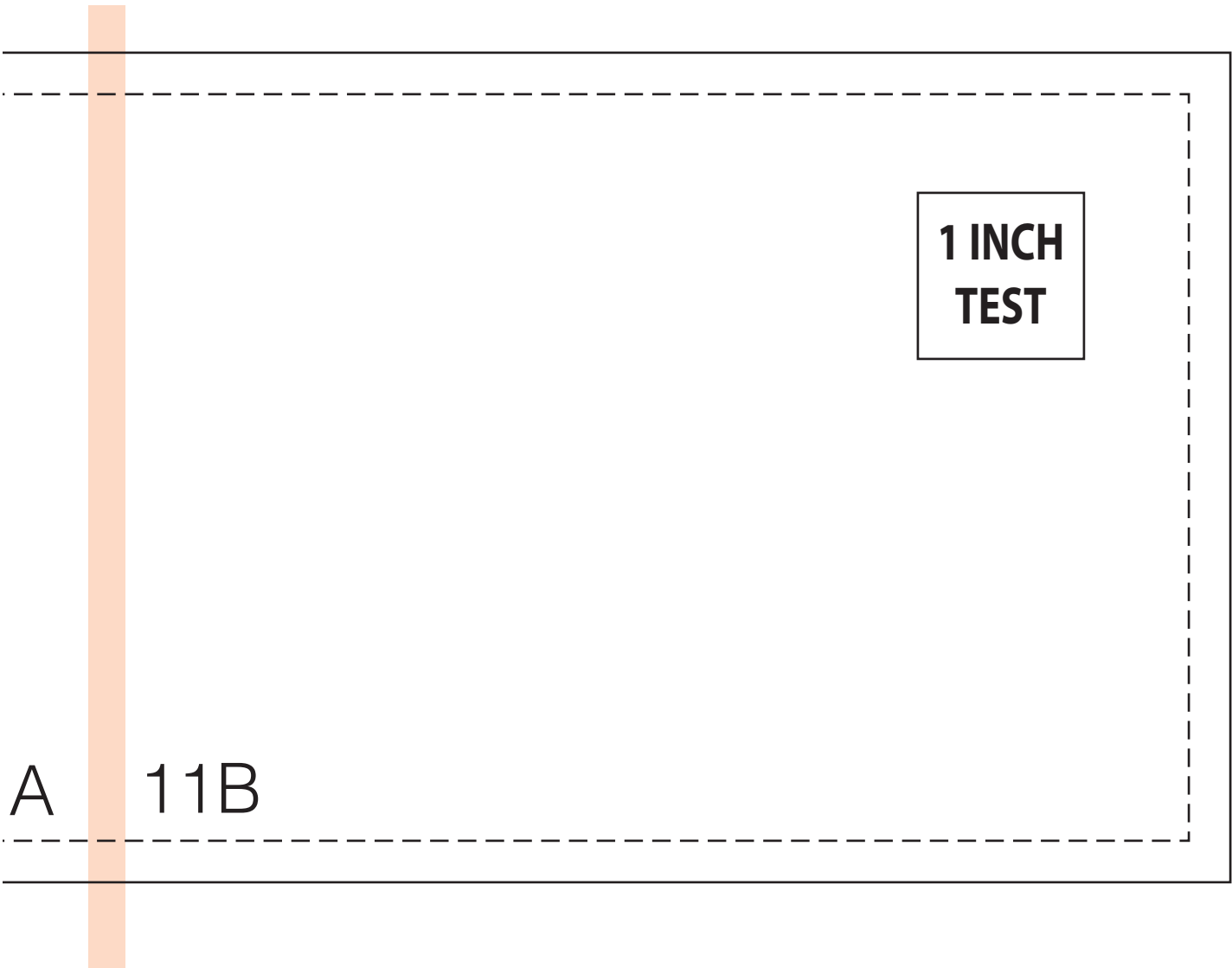
1B

1C

6

PAGE 8

1D



1 INCH
TEST

