



# Sophia

A JINNY BEYER STUDIO Design



Finished Dimension: 78½" x 78½"

*Jinny Beyer*

Finished Dimension: 64" x 64"



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*Sophia is a blazing star quilt variation featuring fabrics inspired by Jinny's travels to Ukraine. The stars are beautifully shaded and the quilt also boasts intricate-looking but easy-to-make medallions from the border print fabric.*

Be sure to read the entire pattern before beginning. All seam allowances are  $\frac{1}{4}$ -inch. Press seams to one side.  
WOF = Width of Fabric

### Step 1: Cut Fabrics 10 & 11

*Large Sapphire Quilt Only:* From Fabric 11, cut eight strips measuring 3" x WOF. Set aside for middle border. From remaining Fabric 11, cut 32 B squares and cut once on the diagonal. From Fabric 10, cut 16 A squares and cut twice on the diagonal.

*Small Sapphire Quilt Only:* From Fabric 11, cut eight strips measuring 3" x 28" along the lengthwise grain. Set aside for middle border. From remaining Fabric 11, cut 18 B squares and cut once on the diagonal. From Fabric 10, cut 9 A squares and cut twice on the diagonal.

*Large Topaz Quilt Only:* From Fabric 10, cut eight strips measuring 3" x WOF. Set aside for middle border. From remaining Fabric 10, cut 16 A squares and cut twice on the diagonal. From Fabric 11, cut 32 B squares and cut once on the diagonal.

*Small Topaz Quilt Only:* From Fabric 10, cut eight strips measuring 3" x 28" along the lengthwise grain. Set aside for middle border. From remaining Fabric 10, cut 9 A squares and cut twice on the diagonal. From Fabric 11, cut 18B squares and cut once on the diagonal.

### Step 2: Cut Border Print Fabric & Make Border Print Squares

Fabric 12 has six wide stripes and seven narrow stripes. Cut four strips each of the wide and narrow stripes, measuring 82" (93") in length. Be sure to include a quarter-inch of seam allowances on both sides of the stripes. Set aside; borders will be trimmed to fit later.

Using a permanent marker, trace Template E on page 3 onto see-through template plastic, transferring all markings to the plastic template.

Following the *Note on Creating Border Print Squares* on page 3, use Template E to cut nine (sixteen) sets of four identical triangles.

Sew four matching border print triangles together to make a square as in *Diagram 1*. Carefully match the design motifs on the fabric before sewing. Repeat until all sets are sewn.



Diagram 1

### Step 3: Make Center Squares

Lay Template E on the wrong side of each B-triangle and transfer the dot to each patch. (This will assist in Step 5.) Sew a B-triangle to each side of the border print squares as in *Diagram 2* to make a square measuring 9".



Diagram 2

### Step 4: Make Diamond Units

Follow the instructions for your colorway on Pages 4/5 to make 36 (64) each of the C and D Diamond Units.

### Step 5: Assemble Blocks

Following the layouts in *Diagram 3*, sew a C-Diamond and a D-Diamond to an A-Triangle. Make 18 (32) C-A-D units and 18 (32) D-A-C units.

Trace the Miter Marking Template on page 3 onto see-through template plastic, transferring the dot to the template. Use the template to mark a dot on the wrong side of the fabric patches marked with a blue dot in *Diagram 3*. Repeat for all D-A-C and C-A-D units.

*Make C-A-D Units.*



*Make D-A-C Units.*



Diagram 3

Sew a D-A-C unit to the top and bottom of the center square, as in *Diagram 4*. Be sure to stop and start the seams at the dots and lock the stitches.

Add the C-A-D units to the sides of the block in the same fashion, referring to *Diagram 4* for placement. (Note that diamonds of the same color meet at the corners.)



*Diagram 4*

Beginning at center square, sew the miter seam, beginning at the dot, locking the stitches, and sewing to the outside corner of the block. Repeat for the remaining three seams. Block measures 14½". Repeat to complete all the blocks.

### Step 5: Assemble Quilt Center

As in *Diagram 5*, sew the blocks together in rows, alternating blocks with different border print centers. Sew the rows together to complete the quilt center.

| <i>Small Quilt</i> |                |                | <i>Large Quilt</i> |
|--------------------|----------------|----------------|--------------------|
| <i>Block 1</i>     | <i>Block 2</i> | <i>Block 1</i> | <i>Block 2</i>     |
| <i>Block 2</i>     | <i>Block 1</i> | <i>Block 2</i> | <i>Block 1</i>     |
| <i>Block 1</i>     | <i>Block 2</i> | <i>Block 1</i> | <i>Block 2</i>     |
| <i>Block 2</i>     | <i>Block 1</i> | <i>Block 2</i> | <i>Block 1</i>     |

*Diagram 5: Quilt Assembly*

### Step 6: Prepare the Borders

*Middle Border:* Join pairs of the Fabric 10 border strips (Topaz) or Fabric 11 border strips (Sapphire) cut in Step 1 to make long strips.

*Inner & Outer Borders:* The narrow Fabric 12 stripes are used for the quilt's inner border; the wide stripes are used for the outer border.

All border strips will be trimmed to fit before sewing.

To construct and attach the borders, follow the instructions for **Framing a Square Quilt** and **Applying Multiple Borders** in *Adding Borders the Jinny Beyer Way*.

### Step 5: Finish the Quilt

Layer the quilt as follows: backing (wrong side up), batting, quilt top (right side up). Baste the layers together, and quilt as desired.

When quilting is completed, trim backing and batting even with quilt top edges.

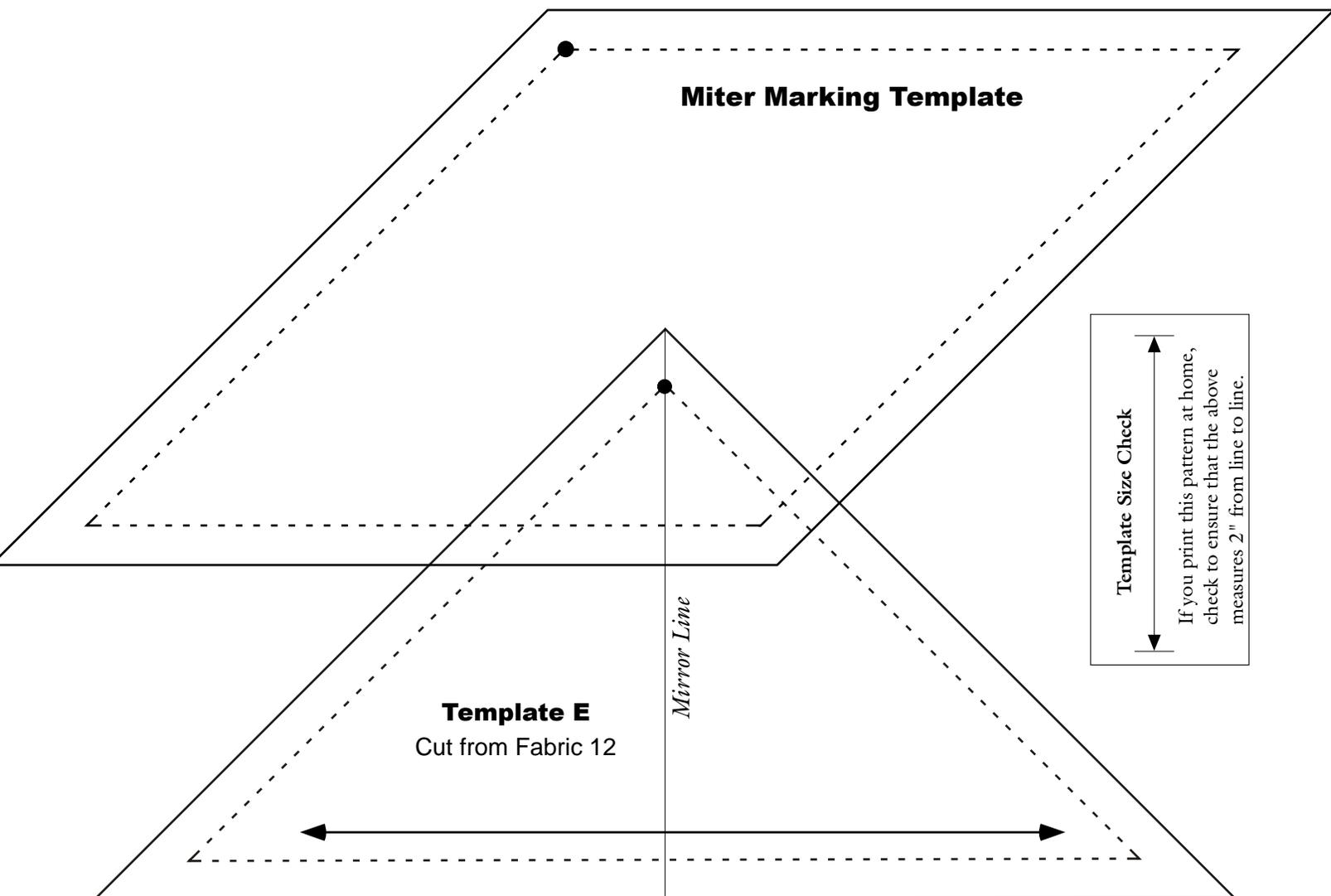
Make binding strips using Fabric 3. Bind the quilt using your favorite binding method or by following the instructions, *Binding a Quilt the Jinny Beyer Way*, at [www.jinnybeyer.com/binding](http://www.jinnybeyer.com/binding).

## Note on Creating Border Print Squares

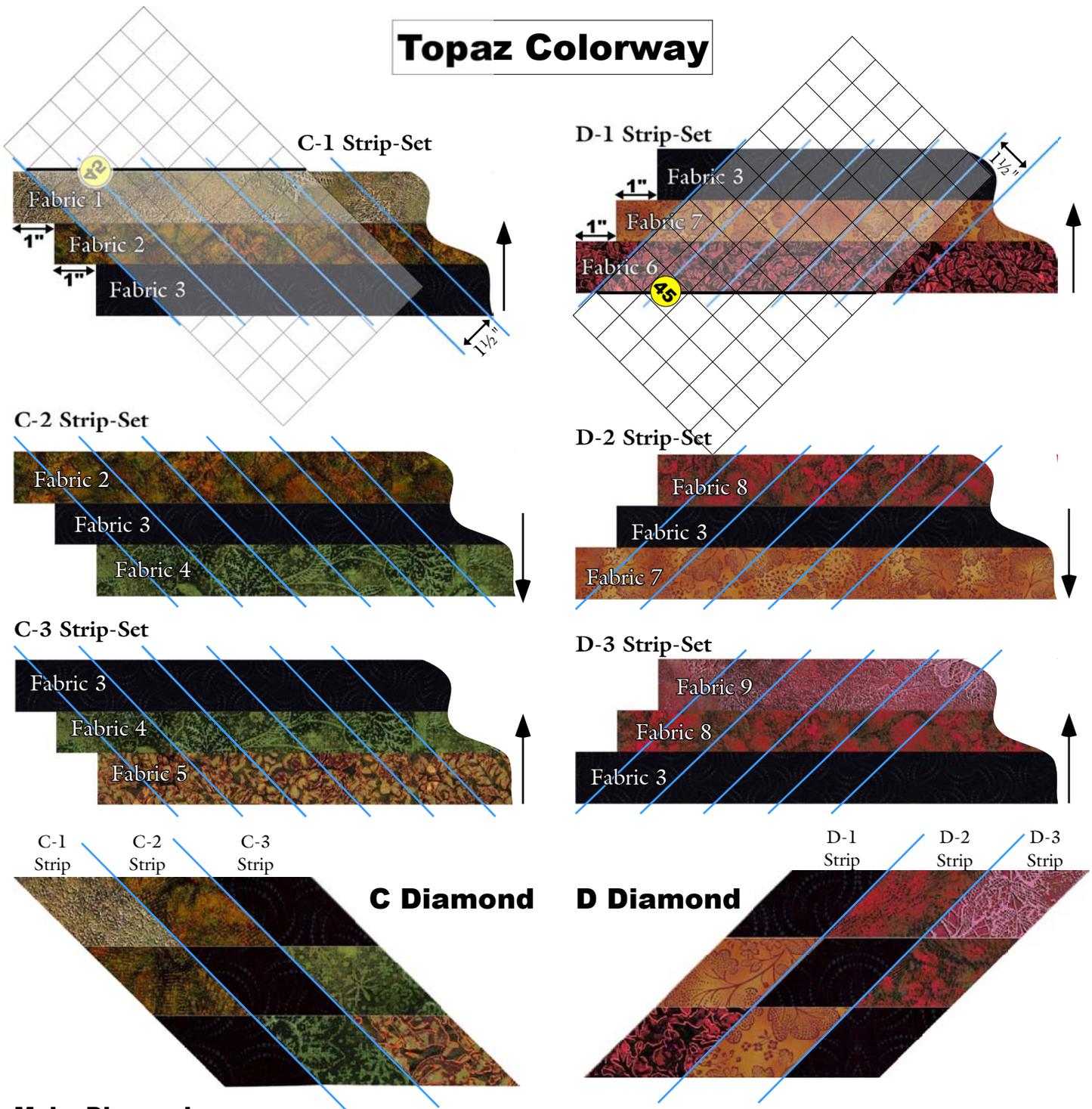
Two different border print squares can be cut from the wide border print. Follow the layout (right) to yield the different designs. Be sure to make four matching triangles for each block required.

*Positioning & Cutting Triangles.* Center a template on one of the mirror-image motifs in the border print fabric, positioning the mirror line in the center of the motif. Make sure that a line from the border print falls just inside the sewing line on the long side of the triangle template. (This will give you a nice line or frame around the outside of the finished square.)

Mark some portion of the design directly onto the template to use as a guide for cutting the remaining pieces. Carefully mark around the template and cut the piece out.



# Topaz Colorway



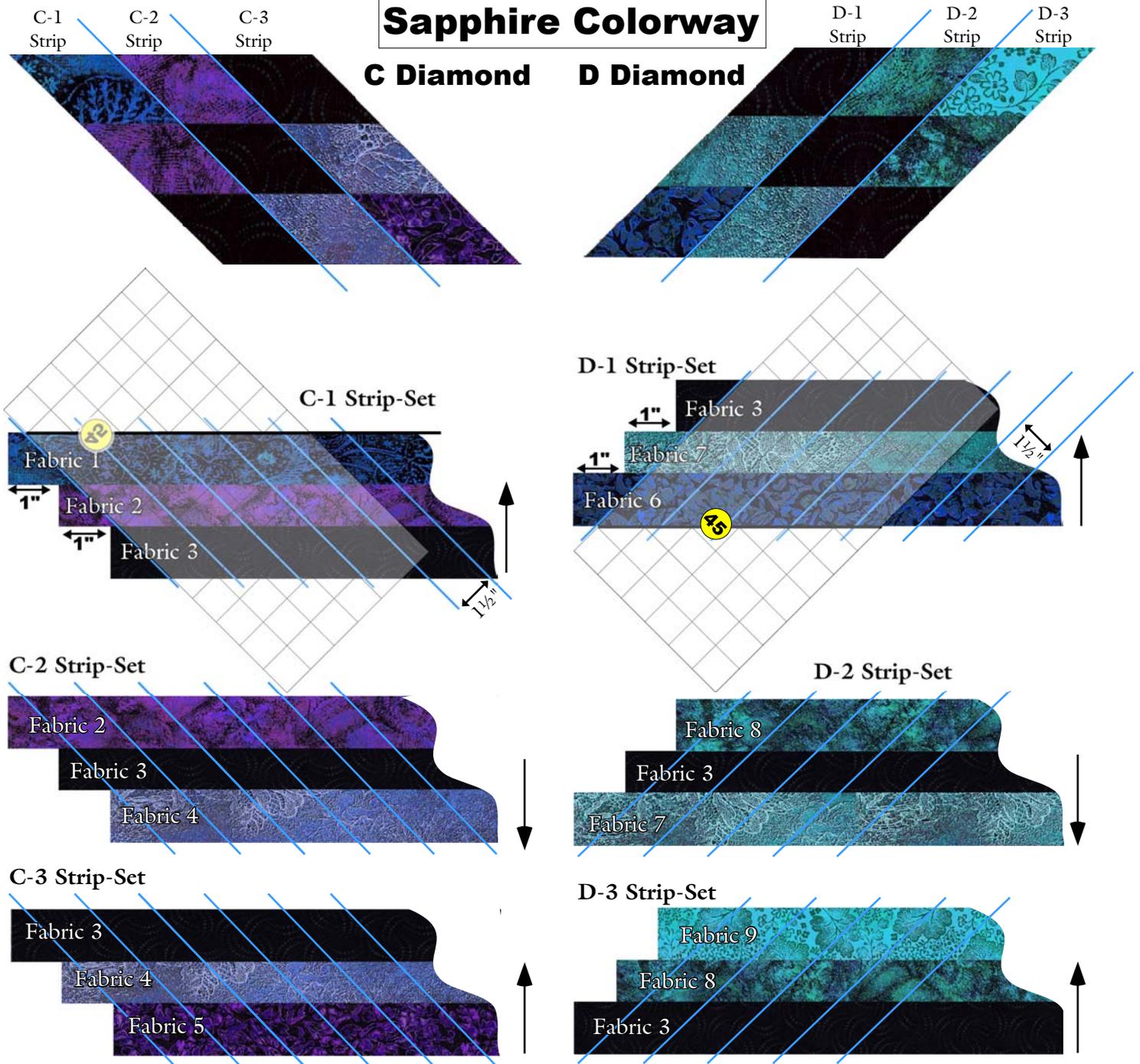
## Make Diamonds

The quilt requires 36 (64) C and D diamonds. Each diamond is made from three multi-fabric strips as shown. Make three (five) of each strip-set shown above.

When sewing the strips together, off-set each strip 1-inch in the direction shown above. Press seams in the direction indicated by the arrows.

First trim the uneven edge at the beginning of the strip-sets by aligning the 45° angle on your ruler with the top or bottom edge of the fabric so the cutting edge of your ruler is angled as in the diagrams above. (You may have to flip your ruler over for the C strip-sets.) Cut all the strips 1 1/2" wide, maintaining the 45° angle indicated by the blue cutting lines in the diagrams. (Each strip-set yields at least 15 multi-fabric strips.) Sew the strips together as in the C and D Diamond diagrams to make the required number of each diamond.

# Sapphire Colorway



## Make Diamonds

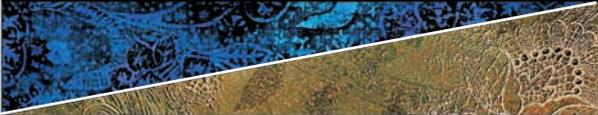
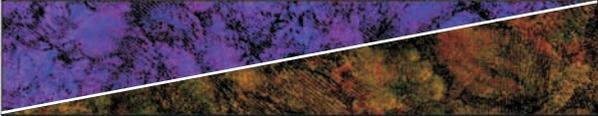
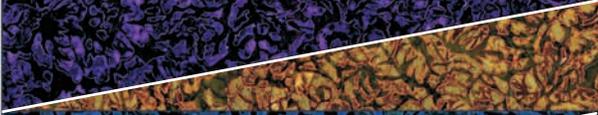
The quilt requires 36 (64) C and D diamonds. Each diamond is made from three multi-fabric strips as shown. Make three (five) of each strip-set shown above.

When sewing the strips together, off-set each strip 1-inch in the direction shown above. Press seams in the direction indicated by the arrows.

First trim the uneven edge at the beginning of the strip-sets by aligning the 45° angle on your ruler with the top or bottom edge of the fabric so the cutting edge of your ruler is angled as in the diagrams above. (You may have to flip your ruler over for the C strip-sets.) Cut all the strips 1½" wide, maintaining the 45° angle indicated by the blue cutting lines in the diagrams. (Each strip-set yields at least 15 multi-fabric strips.) Sew the strips together as in the C and D Diamond diagrams to make the required number of each diamond.

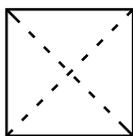
# Sophia Fabric Yardage & Cutting Instructions

In the cutting instructions below, each strip measures 1½" x width of fabric (approximately 40").

| <b>Sapphire / Topaz</b>   |                                      | <b>Large (78½")</b>                                       | <b>Small (64")</b>                                       |
|---|--------------------------------------|---|--|
|    | <b>Fabric 1</b><br>0497-02/ 0295-03  | 1/3 yard<br>Cut 5 strips                                  | 1/4 yard<br>Cut 3 strips                                 |
|    | <b>Fabric 2</b><br>0441-02/ 0441-01  | 1/2 yard<br>Cut 10 strips                                 | 1/3 yard<br>Cut 6 strips                                 |
|    | <b>Fabric 3</b><br>9410-14 (P#48)    | 1 3/8 yards:<br>Cut 30 strips<br>1 yd (for binding)       | 7/8 yard:<br>Cut 18 strips<br>7/8 yd (for binding)       |
|    | <b>Fabric 4</b><br>0295-02/ 0497-04  | 1/2 yard<br>Cut 10 strips                                 | 1/3 yard<br>Cut 6 strips                                 |
|    | <b>Fabric 5</b><br>0499-02/ 0499-03  | 1/3 yard<br>Cut 5 strips                                  | 1/4 yard<br>Cut 3 strips                                 |
|    | <b>Fabric 6</b><br>0499-04/ 0499-01  | 1/3 yard<br>Cut 5 strips                                  | 1/4 yard<br>Cut 3 strips                                 |
|   | <b>Fabric 7</b><br>0295-04/ 0498-01  | 1/2 yard<br>Cut 10 strips                                 | 1/3 yard<br>Cut 6 strips                                 |
|  | <b>Fabric 8</b><br>1093-12/ 0441-03  | 1/2 yard<br>Cut 10 strips                                 | 1/3 yard<br>Cut 6 strips                                 |
|  | <b>Fabric 9</b><br>0498-04/ 0295-01  | 1/3 yard<br>Cut 5 strips                                  | 1/4 yard<br>Cut 3 strips                                 |
|  | <b>Fabric 10</b><br>2452-01          | Sapphire: 7/8 yard<br>Topaz: 1 5/8 yards*<br>See pattern. | Sapphire: 1/2 yard<br>Topaz: 1 1/8 yard*<br>See pattern. |
|  | <b>Fabric 11</b><br>2104-21          | Sapphire: 1 1/2 yards*<br>Topaz: 7/8 yard<br>See pattern. | Sapphire: 1 yard*<br>Topaz: 1/2 yard<br>See pattern.     |
|  | <b>Fabric 12</b><br>0495-02/ 1280-04 | 4 yards<br>See pattern.                                   | 3 yards<br>See pattern.                                  |

\* Includes middle border.

**Backing required (not included):**  
5 yards (large quilt), 4 yards (small quilt).



**A:** 7¼" square, then cut twice on diagonal



**B:** 5 1/8" square, then cut once on diagonal

# Adding Mitered Borders the Jinny Beyer Way

Jinny Beyer's border prints are designed specifically with the quilter in mind. Each fabric has a wide and a narrow stripe which coordinate in both design and color. Both stripes have mirror-image motifs which are essential for perfectly mitered corners. In addition, the two different stripes in the border print are separated by at least a half-inch so that a 1/4" seam allowance is provided for on both sides of the stripes. From selvedge to selvedge, there are always at least four repeats of each stripe across the fabric so calculating the yardage needed to border a quilt is easy: you need the length of the longest side of the quilt plus an additional half-yard for a square quilt (2/3 yard for a rectangular one) to match design elements and allow for the miters at the corners.

## Framing a Square Quilt

1. Place a strip of the border print across the middle of the quilt, centering a motif from the border at the exact center of the quilt. (Because of minor differences in seam allowances taken and stretching that can occur on bias edges, opposite edges of a quilt often measure slightly differently. Using a measurement taken from the middle of the quilt will help keep the quilt from *ruffling* at the edges.)

2. To mark the first miter, position a quilter's ruler so the 45° angle runs along the bottom edge of the border print and the ruler touches the point where the top edge of the border print meets the edge of the quilt. (See arrow in *Diagram 1*.) Mark then cut the miter line. (Because the miter is cut right at the edge of the quilt, the seam allowance is already included.)

3. Use the mitered angle as a pattern for the other side of the strip as follows. Without disturbing the un-cut side of the strip, bring the mitered side of the border strip to that side, folding the strip over itself, right sides together. Place the top edge of miter at the edge of the quilt, adjusting it a bit if necessary so that the design motifs on the top and bottom match exactly. Mark and cut this second miter. (Using the cut edge, rather than a ruler, as a guide ensures that the design motifs will be an exact match.)

4. Using this first mitered strip as a guide, cut three more identical pieces, making sure that the design on the border print is exactly the same on all four pieces.

5. As in *Diagram 2*, mark seam intersection dots on the short side of each of the border strips (wrong side of the fabric). To find the spot, simply draw a short line 1/4-inch inside the mitered edge and the shorter edge of the border strip. Mark the dot where the two lines intersect. Do the same for each corner of the quilt.

6. To sew the borders to the quilt, pin the mid-point of one of the border pieces to the middle of one of the edges of the quilt. Next, match and pin the dots on each side of your border with the dots on the quilt corners. Continue pinning the border to the quilt, easing in any fullness. (The edge of the quilt is usually a little wider than the center because of bias edges or seams.) Sew the border to the quilt, starting and stopping at the dots. Repeat for the remaining borders. Pin and sew the mitered seams last, starting from the inside dot. When pinning the edges together, be sure to match the design elements on both pieces.

For a video demonstration of this bordering technique, visit:  
[www.jinnybeyer.com/bordertips](http://www.jinnybeyer.com/bordertips)

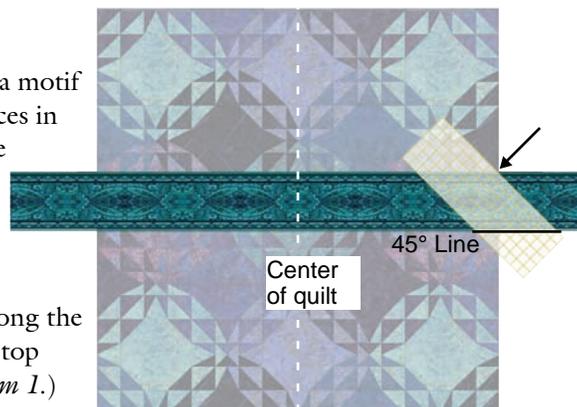


Diagram 1: Mark the miter.



Diagram 2: Cut three pieces identical to the first. Mark seam intersection dots on the quilt and the borders.

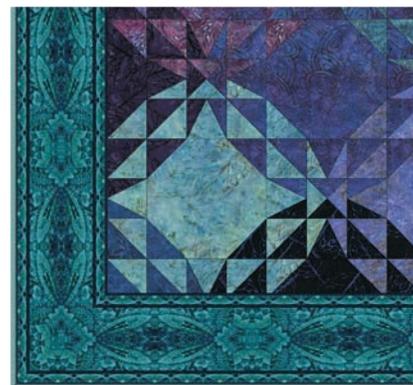


Diagram 3: Correctly cut and sewn borders will have designs that flow around the corners.

## Framing a Rectangular Quilt

With rectangles, you cannot always be assured that the designs will automatically match at the corners so you must take an extra step.

1. First, follow steps 1-3 in **Framing a Square Quilt** and cut two identical strips for the short ends of the quilt (**A** strips). The pieces for the other two sides of the quilt must be cut differently: for the corners on all pieces to match, there must be a seam in these long pieces at the exact center of the quilt.

2. Place one of the A pieces on top of a length of the border print stripe, matching the fabric designs. Cut one miter to match the miter on the A piece. Set the A piece aside. As in Diagram 4, lay the newly cut strip on top of the quilt through the center, aligning the mitered edge with the edge of the quilt. Mark the center of the quilt on the strip as shown. Move the strip from the quilt and cut it off  $\frac{1}{4}$ " beyond the center mark. Using this cut piece as a guide, cut one more identical piece (These are the **B** pieces).

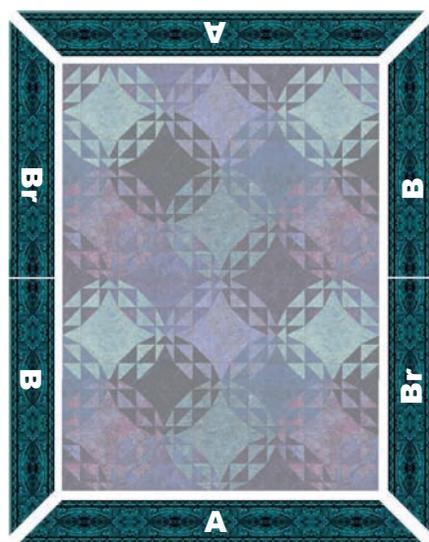


Diagram 5: The long borders on rectangular quilts have center seams.

You also need two pieces that are the exact mirror images of the B pieces (**Br**). Lay one of the B pieces right sides together on a strip of border print, matching the fabric design exactly. Cut the miter and straight edge to match the top piece. Using the newly cut piece as a guide, cut one more identical Br piece.

3. Sew the B/Br pieces together into pairs, and attach these borders to the quilt as in Steps 5 and 6 in **Framing a Square Quilt**. Sewing the borders to a rectangular quilt in this manner assures that the corners will match. There will be a seam at the center of the long strips (*Diagram 5*), but the design at that center will mirror-image as well, allowing the design to flow around the quilt.

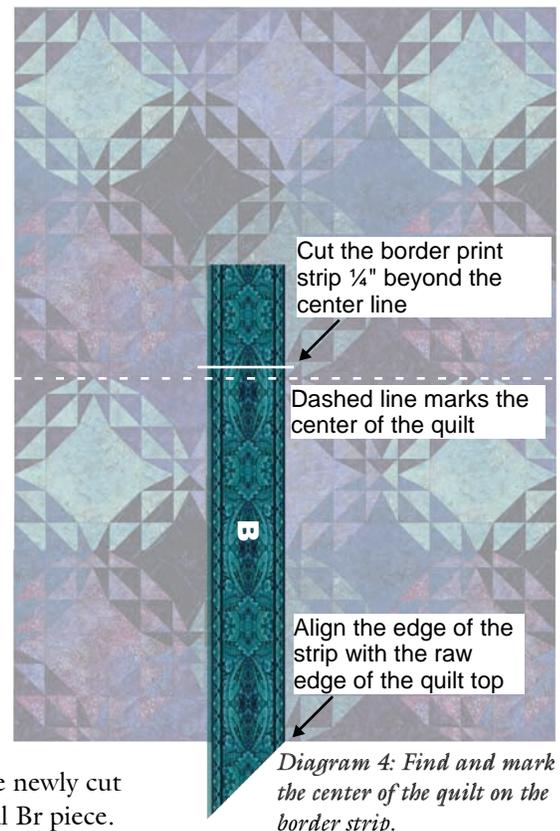


Diagram 4: Find and mark the center of the quilt on the border strip.

## Applying Multiple Borders

Jinny often designs quilts to make full use of the border prints. First, she will frame the quilt with the narrow border stripe, then add a coordinating fabric as a second border. The quilt is finished off with the wide stripe from the border print.

Jinny personally measures and adds each border separately. However, when the middle border is a fabric that doesn't have to be matched at the corners, she recommends the following method as being a little faster: Sew the middle border to the first (the narrow border print stripe). Measure and cut this unit as a single border in the steps above. (If the quilt is rectangular, sew the middle border to the first after the first border has been pieced.) Measure, cut and sew the third border separately after the first two borders have been completed and sewn to the quilt.

**Binding the Quilt:** When Jinny uses a border print to frame a quilt, she typically sews the binding to the back of the quilt and turns it to the front. This allows her to carefully hand-stitch the binding along a straight line printed on the border print fabric. For details, see [www.jinnybeyer.com/binding](http://www.jinnybeyer.com/binding).

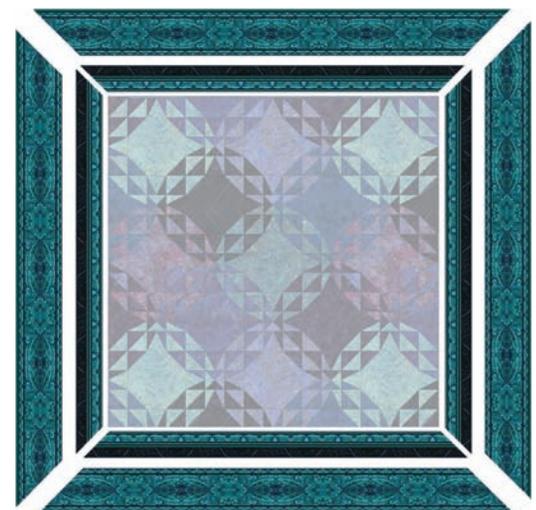


Diagram 6: Applying multiple borders