

Free Spirit

## Moonbow Quilt

Featuring Moon Garden, True Colors and Cotton Solids by Tula Pink

<b>Collection:</b>	Moon Garden, True Colors and Cotton Solids by Tula Pink
<b>Techniques:</b>	Fussy Cut, Pieced
<b>Skill Level:</b>	Intermediate
<b>Finished Size:</b>	83 <sup>1</sup> / <sub>4</sub> " x 88" (211.46cm x 223.52cm)

*All possible care has been taken to assure the accuracy of this pattern. We are not responsible for printing errors or the manner in which individual work varies. Please read the instructions carefully before starting this project. If kitting, it is recommended a sample is made to confirm accuracy.*

Project designed by Tula Pink | Tech edited by Alison M. Schmidt

## Fabric Requirements

DESIGN	COLOR	ITEM ID	YARDAGE
(A) Lazy Stripe	Moonlight	PWTP022.MOONLIGHT*	1 yard (0.91m)
(B) Kabloom	Dusk	PWTP195.DUSK	3/4 yard (0.69m)
(C) In a Finch	Dusk	PWTP198.DUSK	3/4 yard (0.69m)
(D) Dragon Your Feet	Dawn	PWTP199.DAWN	3/4 yard (0.69m)
(E) Kabloom	Dawn	PWTP195.DAWN	3/4 yard (0.69m)
(F) In a Finch	Dawn	PWTP198.DAWN	3/4 yard (0.69m)
(G) Hissy Fit	Dawn	PWTP196.DAWN	5/8 yard (0.57m)
(H) Hissy Fit	Dusk	PWTP196.DUSK	5/8 yard (0.57m)
(I) Night Owl	Dawn	PWTP197.DAWN	5/8 yard (0.57m)
(J) Night Owl	Dusk	PWTP197.DUSK	5/8 yard (0.57m)
(K) Dragon Your Feet	Dusk	PWTP199.DUSK	5/8 yard (0.57m)
(L) Oopsie Daisy	Dusk	PWTP200.DUSK	3/8 yard (0.34m)
(M) Oopsie Daisy	Dawn	PWTP200.DAWN	3/8 yard (0.34m)
(N) Lazy Stripe	Dawn	PWTP022.DAWN	3/8 yard (0.34m)
(O) Lazy Stripe	Dusk	PWTP022.DUSK	3/8 yard (0.34m)
(P) Lazy Stripe	Lunar	PWTP022.LUNAR	3/8 yard (0.34m)
(Q) Baby Geo	Dawn	PWTP053.DAWN	3/8 yard (0.34m)
(R) Baby Geo	Dusk	PWTP053.DUSK	3/8 yard (0.34m)
(S) Baby Geo	Lunar	PWTP053.LUNAR	3/8 yard (0.34m)
(T) Baby Geo	Moonlight	PWTP053.MOONLIGHT	3/8 yard (0.34m)
(U) Hexy	Chameleon	PWTP150.CHAMELEON	1/4 yard (0.23m)
(V) Pom Poms	Foxglove	PWTP118.FOXGLOVE	1/4 yard (0.23m)
(W) Tiny Stripes	Songbird	PWTP186.SONGBIRD	1/4 yard (0.23m)
(X) Tiny Stripes	Honesty	PWTP186.HONESTY	1/4 yard (0.23m)

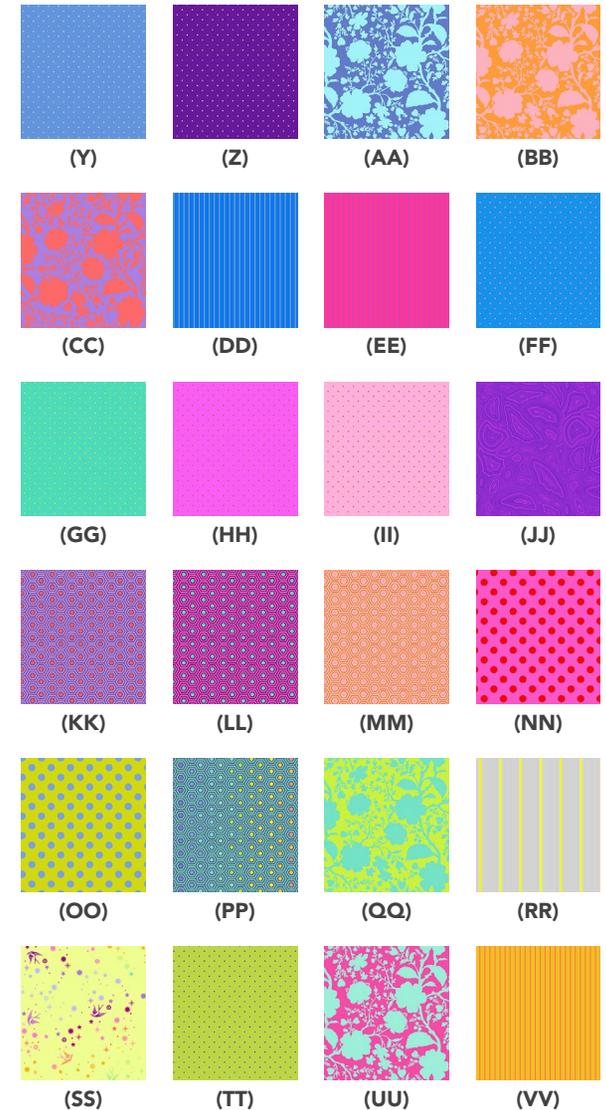
\* includes binding



continued...

## Fabric Requirements (continued...)

DESIGN	COLOR	ITEM ID	YARDAGE
(Y) Tiny Dots	Bluebell	PWTP185.BLUEBELL	¼ yard (0.23m)
(Z) Tiny Dots	Opal	PWTP185.OPAL	¼ yard (0.23m)
(AA) Wildflower	Delphinium	PWTP149.DELPHINIUM	¼ yard (0.23m)
(BB) Wildflower	Blossom	PWTP149.BLOSSOM	¼ yard (0.23m)
(CC) Wildflower	Tiger Lily	PWTP149.TIGERLILY	¼ yard (0.23m)
(DD) Tiny Stripes	Clarity	PWTP186.CLARITY	¼ yard (0.23m)
(EE) Tiny Stripes	Mystic	PWTP186.MYSTIC	¼ yard (0.23m)
(FF) Tiny Dots	Sky	PWTP185.SKY	¼ yard (0.23m)
(GG) Tiny Dots	Peacock	PWTP185.PEACOCK	¼ yard (0.23m)
(HH) Tiny Dots	Thistle	PWTP185.THISTLE	¼ yard (0.23m)
(II) Tiny Dots	Candy	PWTP185.CANDY	¼ yard (0.23m)
(JJ) Mineral	Amethyst	PWTP148.AMETHYST	¼ yard (0.23m)
(KK) Hexy	Firefish	PWTP150.FIREFISH	¼ yard (0.23m)
(LL) Hexy	Thistle	PWTP150.THISTLE	¼ yard (0.23m)
(MM) Hexy	Peach Blossom	PWTP150.PEACHBLOSSOM	¼ yard (0.23m)
(NN) Pom Poms	Peony	PWTP118.PEONY	¼ yard (0.23m)
(OO) Pom Poms	Myrtle	PWTP118.MYRTL	¼ yard (0.23m)
(PP) Hexy Rainbow	Peacock	PWTP151.PEACOCK	¼ yard (0.23m)
(QQ) Wildflower	Spring	PWTP149.SPRING	¼ yard (0.23m)
(RR) Tiny Stripes	Spark	PWTP186.SPARK	¼ yard (0.23m)
(SS) Fairy Dust	Lime	PWTP133.LIME	¼ yard (0.23m)
(TT) Tiny Dots	Meadow	PWTP185.MEADOW	¼ yard (0.23m)
(UU) Wildflower	Azalea	PWTP149.AZALEA	¼ yard (0.23m)
(VV) Tiny Stripes	Sunrise	PWTP186.SUNRISE	¼ yard (0.23m)



continued...

## Fabric Requirements (continued...)

DESIGN	COLOR	ITEM ID	YARDAGE
(WW) <b>Tiny Stripes</b>	Petal	PWTP186.PETAL	1/4 yard (0.23m)
(XX) <b>Designer Essential Solids</b>	Aegean	CSFSESS.AEGEA	3/8 yard (0.34m)
(YY) <b>Designer Essential Solids</b>	Iris	CSFSESS.IRISX	3/8 yard (0.34m)
(ZZ) <b>Designer Essential Solids</b>	Tanzanite	CSFSESS.TANZANITE	3/8 yard (0.34m)
(AAA) <b>Designer Essential Solids</b>	Amethyst	CSFSESS.AMETHYST	3/8 yard (0.34m)
(BBB) <b>Designer Essential Solids</b>	Hibiscus	CSFSESS.HIBIS	3/8 yard (0.34m)
(CCC) <b>Designer Essential Solids</b>	Matcha	CSFSESS.MATCHA	3/8 yard (0.34m)
(DDD) <b>Designer Essential Solids</b>	Legendary	CSFSESS.LEGENDARY	3/8 yard (0.34m)
(EEE) <b>Designer Essential Solids</b>	Stargazer	CSFSESS.STARGAZER	3/8 yard (0.34m)
(FFF) <b>Designer Essential Solids</b>	Taffy	CSFSESS.TAFFY	3/8 yard (0.34m)
(GGG) <b>Designer Essential Solids</b>	Limeade	CSFSESS.LIMEA	3/8 yard (0.34m)
(HHH) <b>Designer Essential Solids</b>	Marigold	CSFSESS.MARIGOLD	3/8 yard (0.34m)



## Backing (Purchased Separately)

**44" (1.12m) wide**

Hissy Fit Dusk PWTP196.DUSK 7 1/4 yards (6.63m)

**OR**

**108" (2.74m) wide**

Kabloom Dusk QBTP009.DUSK 2 5/8 yards (2.40m)



Backing  
44"



Backing  
108"

## Additional Recommendations

- 100% cotton thread in colors to match
- 91" x 96" (2.31m x 2.44m) batting
- **Optional:** Template plastic -OR- Hex N More Ruler from Jaybird Quilts ([jaybirdquilts.com](http://jaybirdquilts.com))

## Preparation

To make your own templates, rather than using a specialty ruler, print the Diamond, Half-diamond, Triangle, Half-triangle, Hexagon, and Half-hexagon patterns on pages 9-12, making sure that any "fit to size" options are de-selected, and scaling is set to 100% in the print dialog window. Measure the test square on each page to ensure the patterns have printed correctly. Tape the two sections of the Hexagon pattern together as indicated.

### Tips:

- If using paper templates only, use the 60° line on a long rotary cutting ruler in combination with paper templates to keep from trimming the paper templates down with each cut.
- If using template plastic, trace patterns onto the plastic and transfer any desired markings. Note the suggested grainlines to cut for easier, more stable assembly. Carefully cut out the templates on the outer lines.

Most template pieces have blunted edges for easier alignment when piecing. The Triangle template pattern has 2 points that have not been trimmed – when cutting triangles from strips, place the side opposite the blunt point along the upper or lower edge of the strip. That will make it easier to place the cut triangles correctly when sewing them into rows so that the more stable straight-of-grain edge will always be at the top or bottom of a row.

The Hex N More Ruler designed by Julie Herman of Jaybird Quilts ([jaybirdquilts.com](http://jaybirdquilts.com)) makes quick work of cutting the hexagons, diamonds, and triangles needed for this quilt.

- Place the ruler over the desired motif for fussy-cutting hexagons.
- To cut triangles, cut 4½" x WOF strips as directed below, then sub-cut triangles using the line marked '4½" Triangle'.
- To cut diamond shapes, fold and press 8½" x WOF strips in half lengthwise, so they are 4¼" high, then align the lower seamline (the long dashed line) of the ruler's 4½" triangle guide along the pressed edge of the strip, then cut along both angled sides of the ruler to cut the sides. Unfold the cut diamond.

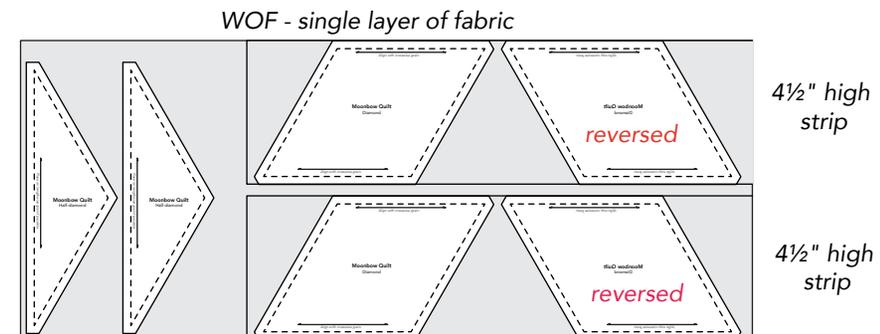
## Cutting

### WOF = Width of Fabric

- Press fabrics with starch or starch alternative and let dry before cutting. Pieces will have bias edges after cutting. Handle gently to avoid stretching bias-cut edges.
- Refer to the quilt image for the orientation of fussy-cut pieces, or spotlight motifs of your own choice.
- Label cut pieces with fabric letters for easier assembly.
- If desired, to aid in accurate piecing, mark the ¼" seam intersections on the wrong side of each piece before sewing.

- Rotate the Half-hexagon template as needed to cut directional prints into left- or right-facing Half-hexagons.
- Rotate the Triangle template 180° for each successive cut.
- To cut reversed Diamonds and Half-Triangles, flip the template over and cut with the wrong (unmarked) side up.
- Refer to the Diamond Cutting Diagram to cut Half-diamonds from full yardage first, placing the long straight sides along the more stable lengthwise grain, then subcut remaining yardage into WOF strips to cut diamonds as directed.
- Cut diamonds and reversed diamonds from unfolded (single layer of fabric) strips, following the grain placement on the template patterns. Use the regular (not reversed) diamonds for the vertically oriented and right-leaning diamonds, and the reversed diamonds for the left-leaning diamonds. Use a removable marker to temporarily mark the crosswise grain on cut pieces.

### Diamond Cutting Diagram



**Fabric A, cut:**

- (1) 4½" x WOF strip, subcut
- (12) Triangles
- (10) 2½" x WOF for binding

**Fabrics B, C, D, G, and H, fussy cut from each fabric:**

- (4) Hexagons

**Fabrics E, I, and J, fussy cut from each fabric:**

- (3) Hexagons
- (1) Half-hexagon

**Fabric F, fussy cut:**

- (2) Hexagons
- (2) Half-hexagon

**Fabrics K and L, fussy cut from each fabric:**

- (3) Hexagons

**Fabric M, fussy cut:**

- (2) Hexagons
- (1) Half-hexagon

**Fabrics N - T, cut from each:**

- (1) 4½" x WOF strip, subcut
- (12) Triangles

**Fabrics U - Z, cut from each:**

- (1) 4½" x WOF strip, subcut
- (7) Triangles

**Fabrics AA - OO, cut from each:**

- (1) 4½" x WOF strip, subcut
- (6) Triangles

**Fabric PP, cut:**

- (1) 4½" x WOF strip, subcut
- (6) Triangles
- (1 reversed) Half-triangle

**Fabric QQ, cut:**

- (1) 4½" x WOF strip, subcut
- (6) Triangles
- (1) Half-triangle

**Fabrics RR and SS, cut from each:**

- (1) 4½" x WOF strip, subcut
- (2) Triangles
- (1 and 1 reversed) Half-triangles

**Fabrics TT, VV and WW, cut from each:**

- (1) 4½" x WOF strip, subcut
- (3) Triangles
- (1 and 1 reversed) Half-triangles

**Fabric UU, cut:**

- (1) 4½" x WOF strip, subcut
- (3) Triangles
- (1 and 2 reversed) Half-triangles

**Fabric XX, cut:**

- (2) 4½" x WOF strips, subcut
- (9 and 4 reversed) Diamonds

**Fabric YY, cut:**

- (2) 4½" x WOF strips, subcut
- (13) Diamonds

**Fabric ZZ, cut:**

- (2) 4½" x WOF strips, subcut
- (5 and 8 reversed) Diamonds

**Fabric AAA, cut:**

- (2) 4½" x WOF strips, subcut
- (12 and 1 reversed) Diamonds

**Fabric BBB, cut:**

- (2) 4½" x WOF strips, subcut
- (8 and 5 reversed) Diamonds

**Fabrics CCC and FFF, cut from each:**

- (1) Half-diamond
- From remaining yardage, cut (2) 4½" x WOF strips, then subcut
- (9 and 4 reversed) Diamonds

**Fabric DDD, cut:**

- (1) Half-diamond
- From remaining yardage, cut (2) 4½" x WOF strips, then subcut
- (4 and 8 reversed) Diamonds

**Fabric EEE, cut:**

- (1) Half-diamond
- From remaining yardage, cut (2) 4½" x WOF strips, then subcut
- (5 and 7 reversed) Diamonds

**Fabric GGG, cut:**

- (2) Half-diamonds
- From remaining yardage, cut (2) 4½" x WOF strips, then subcut
- (6 and 5 reversed) Diamonds

**Fabric HHH, cut:**

- (2) Half-diamonds
- From remaining yardage, cut (2) 4½" x WOF strips, then subcut
- (6 and 4 reversed) Diamonds

## Instructions

**Note:** All seam allowances are  $\frac{1}{4}$ " and pieces are sewn right sides together. Press the seam allowances open, unless otherwise indicated.

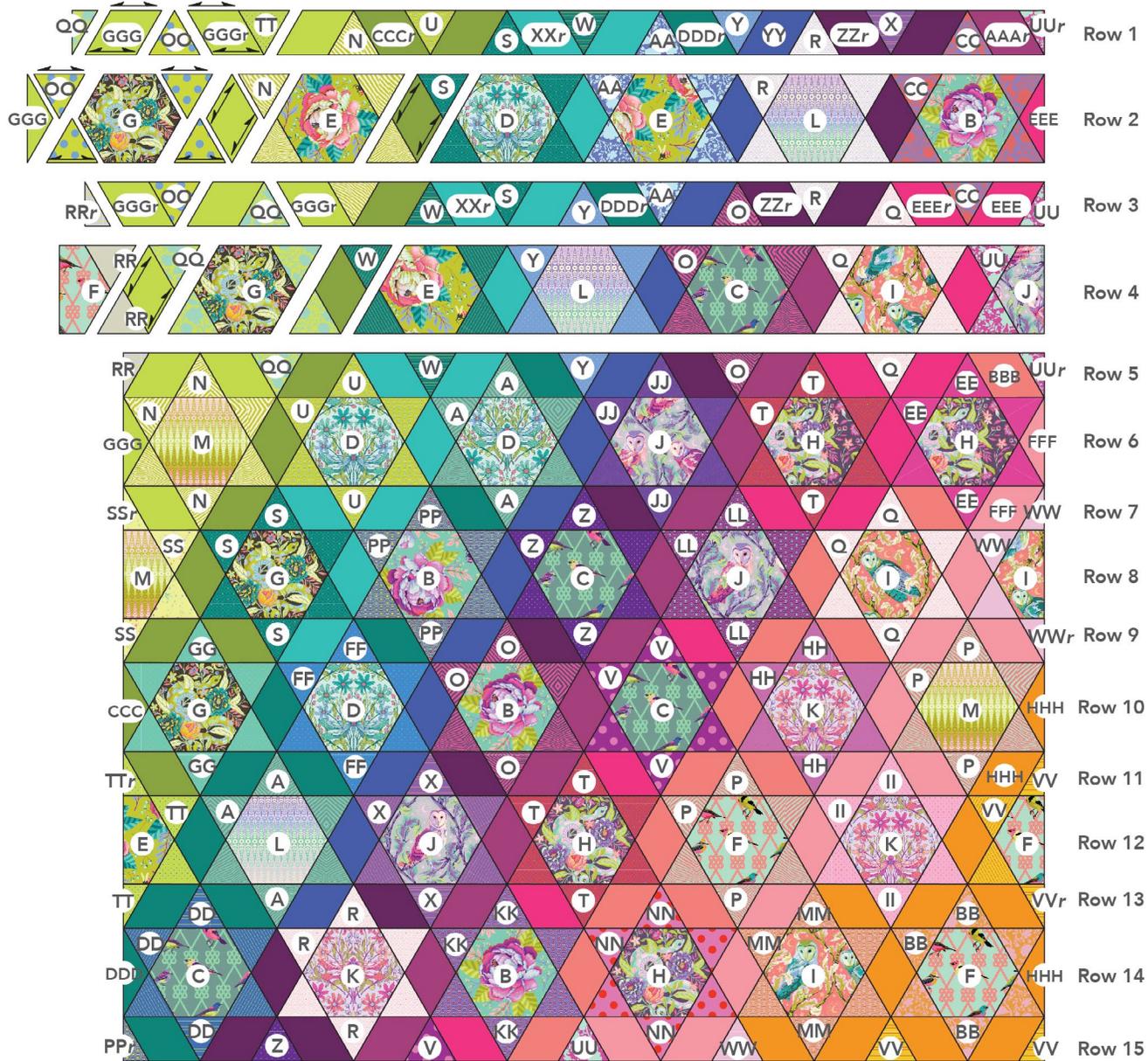
1. Referring to the quilt image and the **Quilt Layout** diagram (page 8) for fabric placement and orientation, arrange the Half-triangle, Diamonds, reversed Diamonds (marked r on the diagram), Triangles and reversed Half-triangle in Row 1 as shown. Remember to use the regular (not reversed) diamonds for the vertically oriented and right-leaning diamonds, and the reversed diamonds for the left-leaning diamonds. Make sure the straight-of-grain edges (indicated by the double-headed arrows) are placed towards the top and bottom of the row. Sew the pieces together along adjacent edges. Press.
2. Again referring to the **Quilt Layout** diagram for placement and grain orientation, arrange the Half-diamonds, Triangles, Hexagons, and Diamonds in Row 2 as shown. First sew units into short diagonal rows: each Half-diamond to the adjacent triangle as shown, then the Triangles at the lower left and upper right to each adjacent Hexagon or Diamond, making sure to sew to the bias edges of the Diamonds first. Sew the joined elements together along adjacent edges to complete Row 2. Press.
3. Repeat steps 1 and 2 to sew the remaining elements into rows. Press.

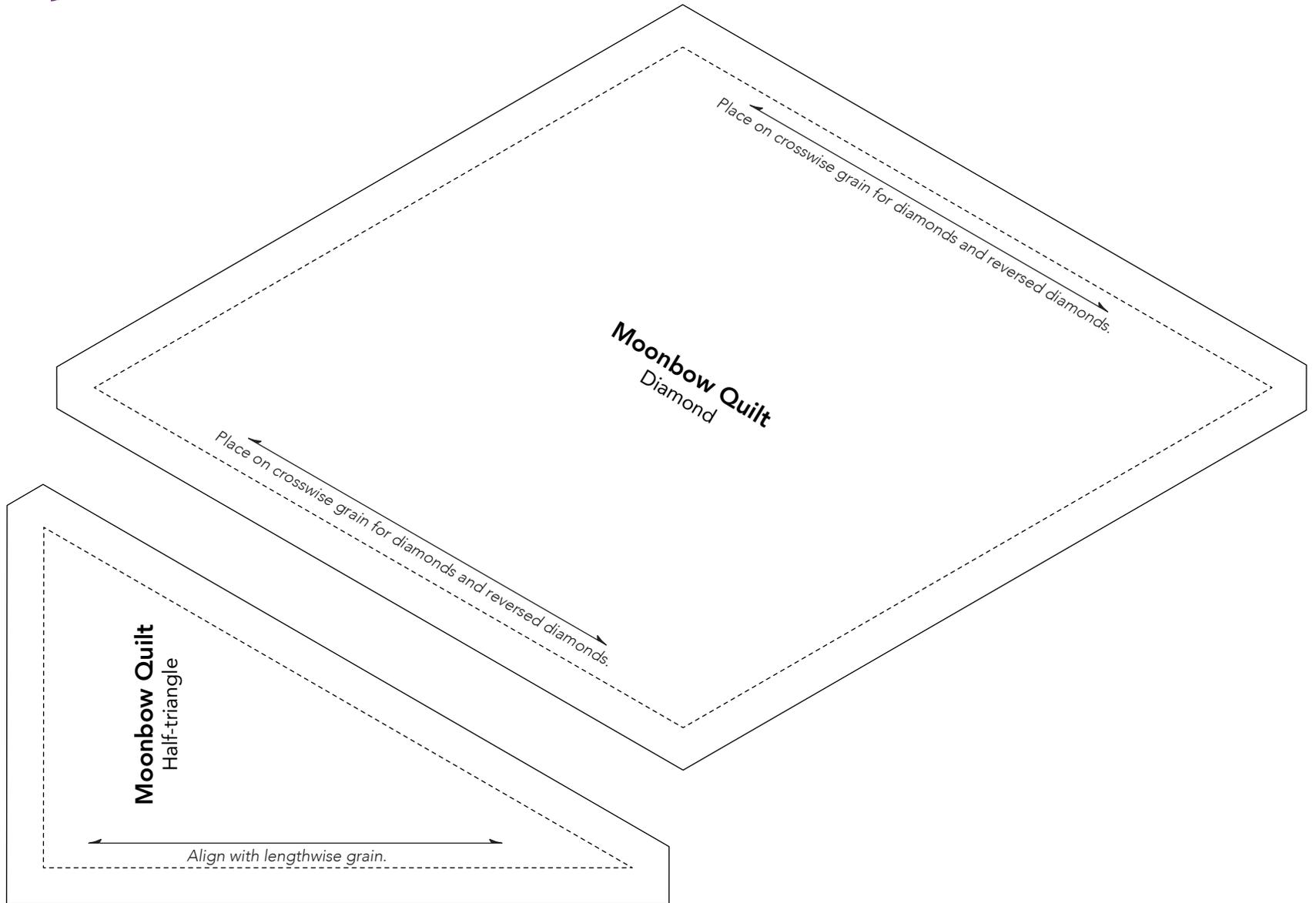
4. Matching seam lines and pinning at intersections, sew the rows together along adjacent edges to complete the quilt top. Press all the seam allowances in the same direction.

## Finishing

5. Sew together the  $2\frac{1}{2}$ " **Fabric A** binding strips end-to-end using diagonal seams. Press the seams open. Press the binding strip in half wrong sides together.
6. Layer the backing (wrong side up), batting, and quilt top (right side up). Baste the layers together and quilt as desired. Trim excess batting and backing even with the quilt top after quilting is completed.
7. Leaving an 8" tail of binding, sew binding to top of quilt through all layers matching all raw edges. Miter corners. Stop approximately 12" from where you started. Lay both loose ends of binding flat along quilt edge. Where these two loose ends meet, fold them back on themselves and press to form a crease. Using this crease as your stitching line, sew the two open ends of the binding together right sides together. Trim seam to  $\frac{1}{2}$ " and press open. Finish sewing binding to quilt.
8. Turn the binding to the back of the quilt and hand stitch in place.

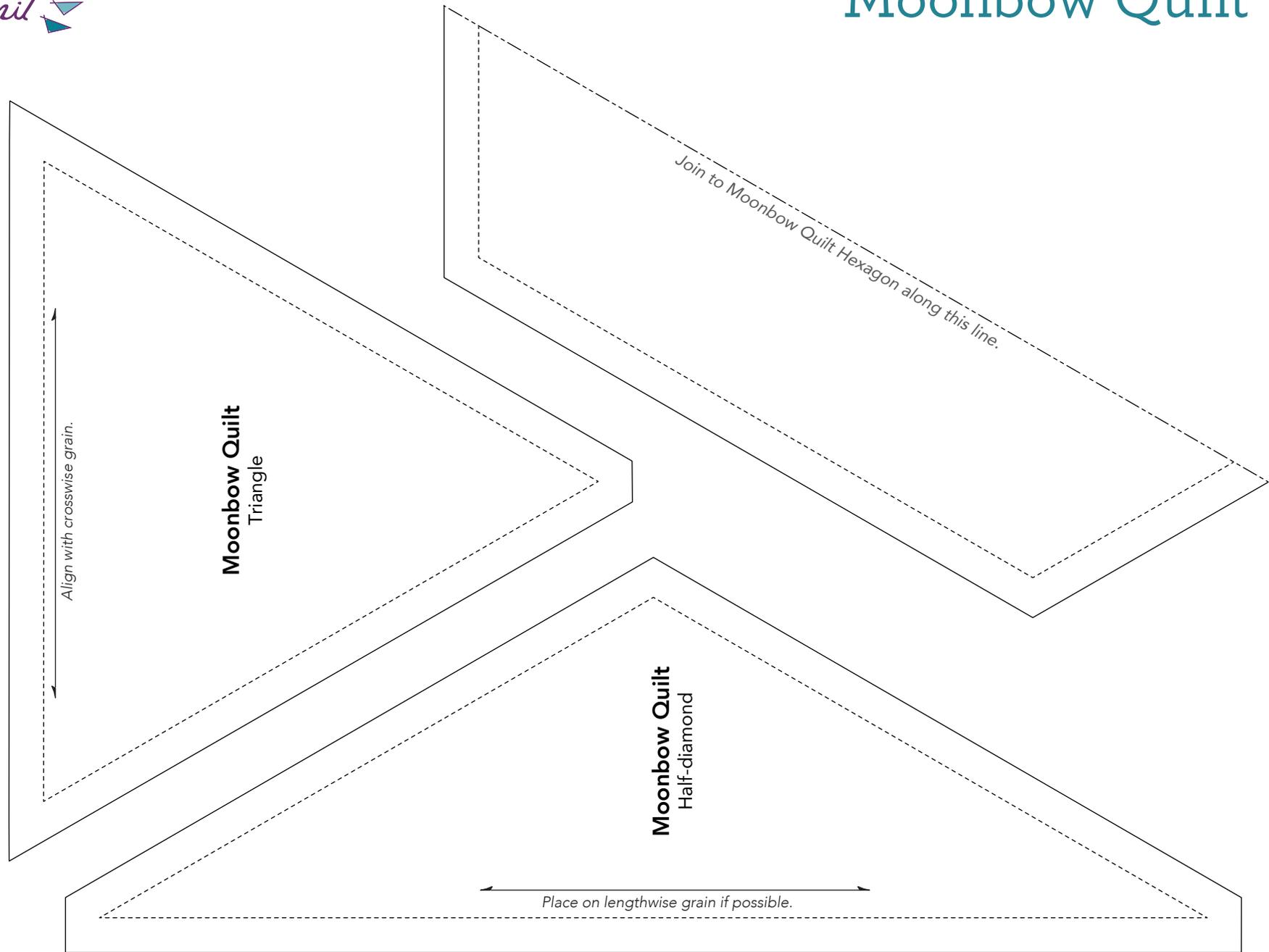
## Quilt Layout





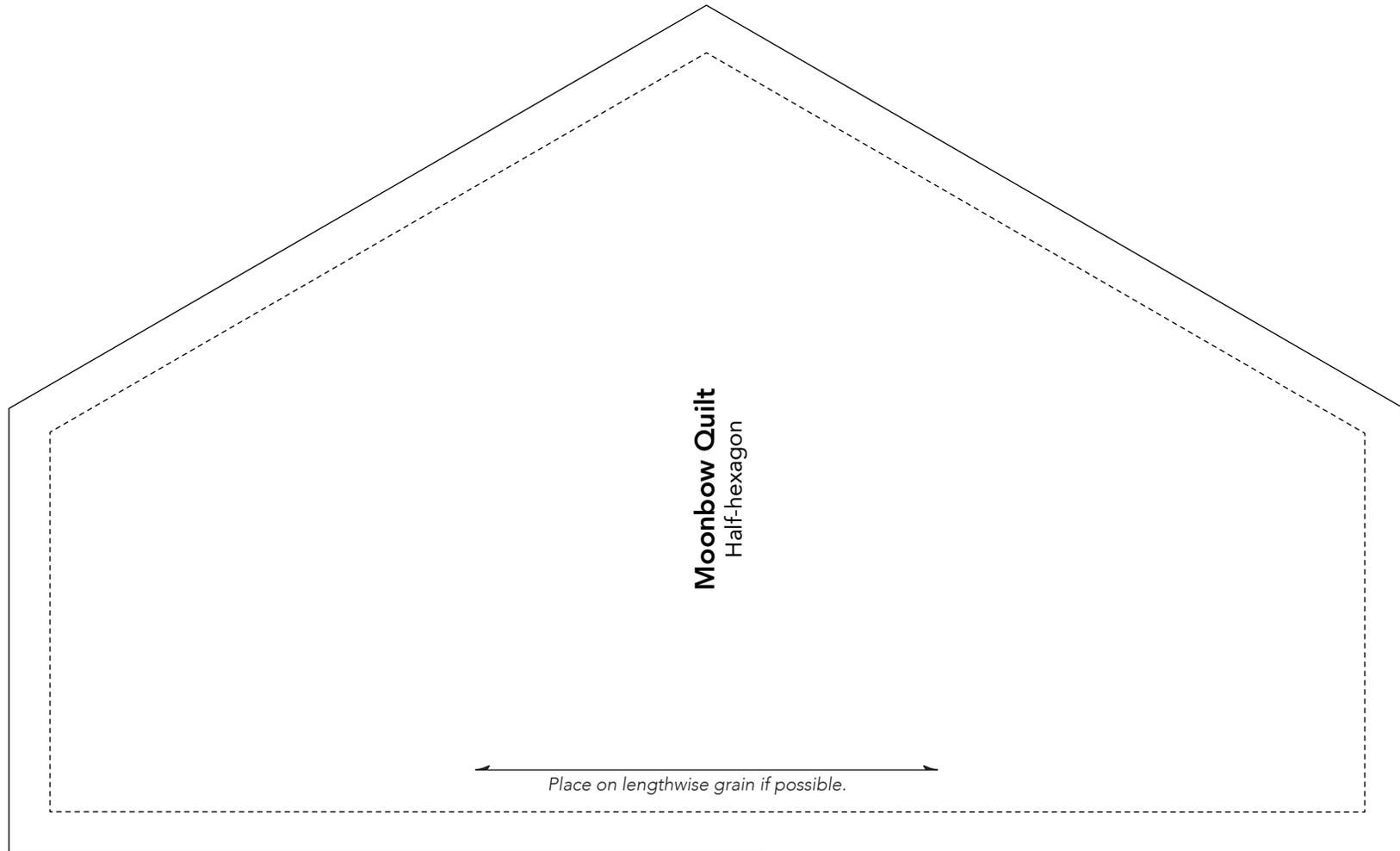
This square should measure 1" x 1" (2.54cm x 2.54cm) when printed.

**\*\*\* Measure templates before cutting to confirm printing at 100%\*\*\***



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This square should  
measure 1" x 1"  
(2.54cm x 2.54cm)  
when printed.

**\*\*\* Measure templates before cutting to confirm printing at 100%\*\*\***

Join to Moonbow Quilt Hexagon along this line.

**Moonbow Quilt**  
Hexagon

This square should  
measure 1" x 1"  
(2.54cm x 2.54cm)  
when printed.

**\*\*\* Measure templates before cutting to confirm printing at 100%\*\*\***