

# Matrix Quilt

Featuring Architecture School by Billy Reue

Collection:	Architecture School by Billy Reue
Technique:	Pieced
Skill Level:	Advanced Beginner
Finished Size:	68" x 68" (1.73m x 1.73m)

*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 Billy Reue | Tech edited by Alison M. Schmidt

## Fabric Requirements

DESIGN	COLOR	ITEM ID	YARDAGE
(A) Corinthian	Hematite	PWWR032.HEMATITE	$\frac{2}{3}$ yard (0.61m)
(B) Far & Away	Desert Sands	PWWR033.DESERTSANDS	$\frac{1}{8}$ yard (0.11m)
(C) Far & Away	Brush Fire	PWWR033.BRUSHFIRE	$\frac{1}{4}$ yard (0.23m)
(D) Floor Plan	Blue Print	PWWR038.BLUEPRINT	$\frac{1}{2}$ yard (0.46m)
(E) Perfect Scale	Sunshine	PWWR036.SUNSHINE	$\frac{3}{8}$ yard (0.34m)
(F) My Neighborhood	Summer Day	PWWR034.SUMMERDAY	$\frac{3}{8}$ yard (0.34m)
(G) The Suburbs	Winter Blues	PWWR035.WINTERBLUES	$\frac{1}{8}$ yard (0.11m)
(H) Major Scales	In The Navy	PWWR037.INTHENAVY	$\frac{3}{8}$ yard (0.34m)
(I) Floor Plan	Plumb Line	PWWR038.PLUMBLINE	$\frac{5}{8}$ yard (0.57m)
(J) Perfect Scale	Red Shift	PWWR036.REDSHIFT	$\frac{2}{3}$ yard (0.61m)
(K) Corinthian	Malachite	PWWR032.MALACHITE	$\frac{2}{3}$ yard (0.61m)
(L) Far & Away	Bluegrass	PWWR033.BLUEGRASS	$\frac{1}{8}$ yard (0.11m)
(M) Floor Plan	Vertigris	PWWR038.VERTIGRIS	$\frac{1}{4}$ yard (0.23m)
(N) Corinthian	Azurite	PWWR032.AZURITE	$\frac{2}{3}$ yard (0.61m)
(O) Major Scales	Faded Rainbow	PWWR037.FADEDRAINBOW*	1 $\frac{5}{8}$ yards (1.49m)

\* includes binding

## Backing (Purchased Separately)

44" (1.12m) wide

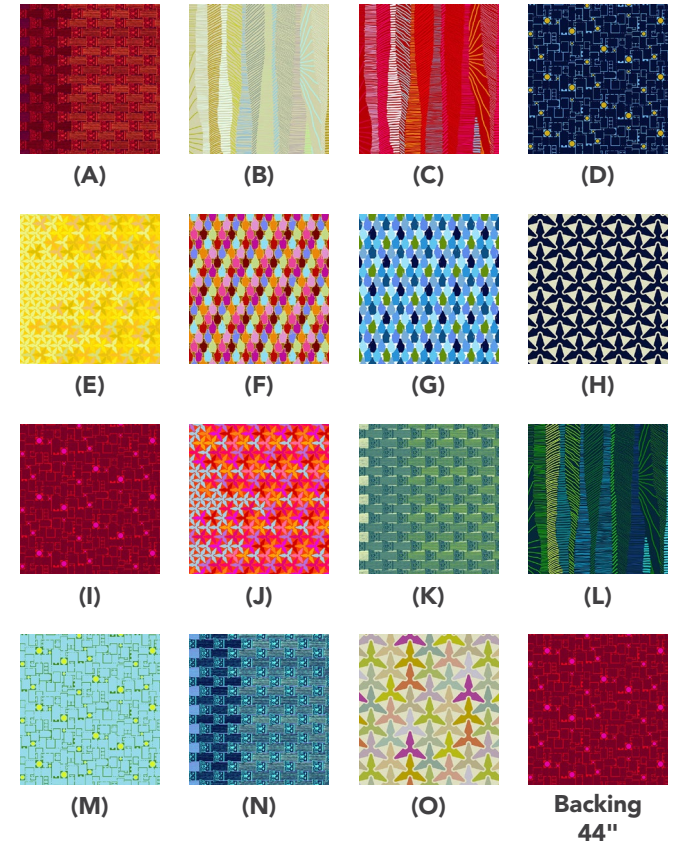
Floor Plan Plumb Line PWWR038.PLUMBLINE 4 $\frac{3}{8}$  yards (4.00m)

OR

108" (2.74m) wide 2 $\frac{1}{8}$  yards (1.94m)

## Additional Recommendations

- 100% cotton thread in colors to match
- 76" x 76" (1.93m x 1.93m) batting



## Cutting

**WOF = Width of Fabric**

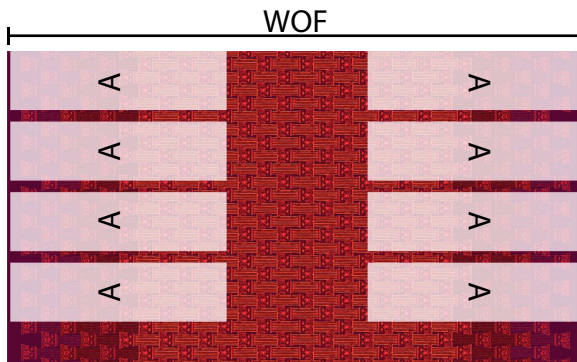
### Notes:

- Fussy cuts are listed as width x height here following how they are shown on cutting diagrams.
- Label the **Fabric E** and **J** pieces with numbers as marked after cutting for easier placement when assembling the quilt top.

### Fabric A, fussy cut:

(8) 16½" x 4½", centered on 2 light-colored column tops

**Fabric A Cutting Diagram**



### Fabric B, cut:

(1) 2½" x WOF; subcut  
(8) 2½" x 4½"

### Fabric C, cut:

(1) 4½" x WOF; subcut  
(8) 4½" x 4½"

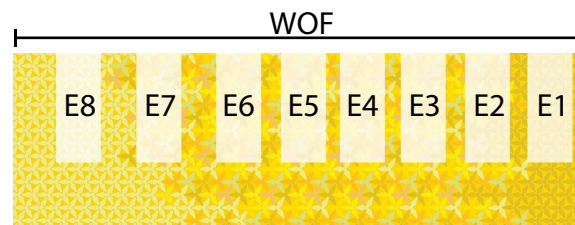
### Fabric D, cut:

(3) 4½" x WOF; subcut  
(8) 4½" x 11½"

### Fabric E, fussy cut:

(8) 3½" x 8½", spaced across the width of fabric

**Fabric E Cutting Diagram**



### Fabric F, cut:

(1) 8½" x WOF; subcut  
(8) 8½" x 3½"

### Fabric G, cut:

(1) 3½" x WOF; subcut  
(8) 3½" x 3½"

### Fabric H, cut:

(3) 3½" x WOF; subcut  
(15) 3½" x 6½"

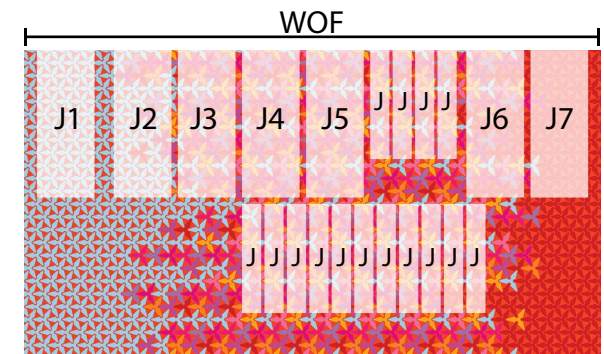
### Fabric I, cut:

(2) 2½" x WOF; subcut  
(15) 2½" x 3½"  
(8) 1½" x WOF; subcut  
(15) 1½" x 19½"

### Fabric J, fussy cut:

(7) 4½" x 11½", spaced across the blue-to-red shift of the fabric design as shown  
(15) 1½" x 8½", centered in the multi-colored area of the fabric design as shown

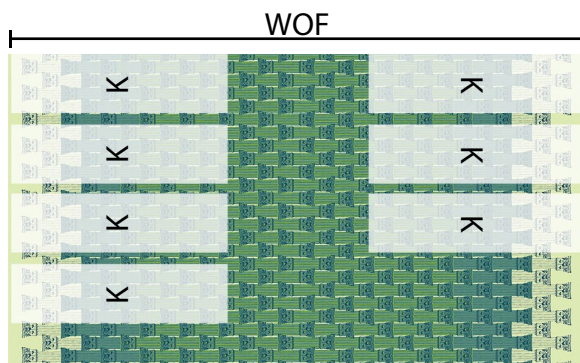
**Fabric J Cutting Diagram**



## Fabric K, fussy cut:

(7) 16½" x 4½", centered on 2 light-colored column tops

Fabric K Cutting Diagram



## Fabric L, cut:

(1) 2½" x WOF; subcut  
(7) 2½" x 4½"

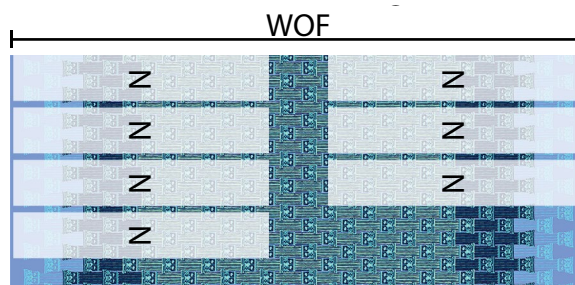
## Fabric M, cut:

(1) 4½" x WOF; subcut  
(7) 4½" x 4½"

## Fabric N, fussy cut:

(7) 19½" x 3½", centered on 2 light-colored column tops

Fabric N Cutting Diagram



## Fabric O, cut:

(8) 4½" x WOF for mitered borders\*

(8) 2½" x WOF for binding

\*If you plan to join WOF strips for borders with diagonal seams, you will need 1 additional WOF strip.

## Instructions

**Note:** Use a ¼" (.64cm) seam allowance throughout. Sew all pieces with right sides together and raw edges even. Press after each seam, either towards the darker fabric or as directed.

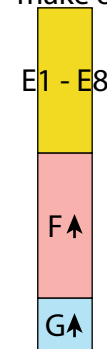
The arrows in the figures denote fabric print direction to keep directional prints right reading. Pay attention to the fabric and unit orientations when assembling the various components.

## Block Construction

1. Sew a Fabric E1 rectangle to the top of a 3½" x 8½" **Fabric F** rectangle. Sew a 3½" **Fabric G** square to the bottom of the unit to make a Block One (**Fig. 1**). Repeat to make (8) total of Block One, using the remaining E2 through E8 rectangles.

Fig. 1

Block One  
make 8

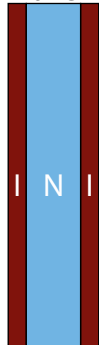




- Sew a  $1\frac{1}{2}$ " x  $19\frac{1}{2}$ " **Fabric I** strip to opposite long sides of a  $3\frac{1}{2}$ " x  $19\frac{1}{2}$ " **Fabric N** strip to make a Block Two (**Fig. 2**). Press seam allowances away from **Fabric N** (or press open if not planning to nest seam allowances when assembling quilt top). Repeat to make (7) total of Block Two.

**Fig. 2**

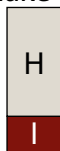
Block Two  
make 7



- Sew a  $3\frac{1}{2}$ " x  $6\frac{1}{2}$ " **Fabric H** rectangle to a  $2\frac{1}{2}$ " x  $3\frac{1}{2}$ " **Fabric I** piece to make a Block Three (**Fig. 3**). Repeat to make (15) total of Block Three.

**Fig. 3**

Block Three  
make 15

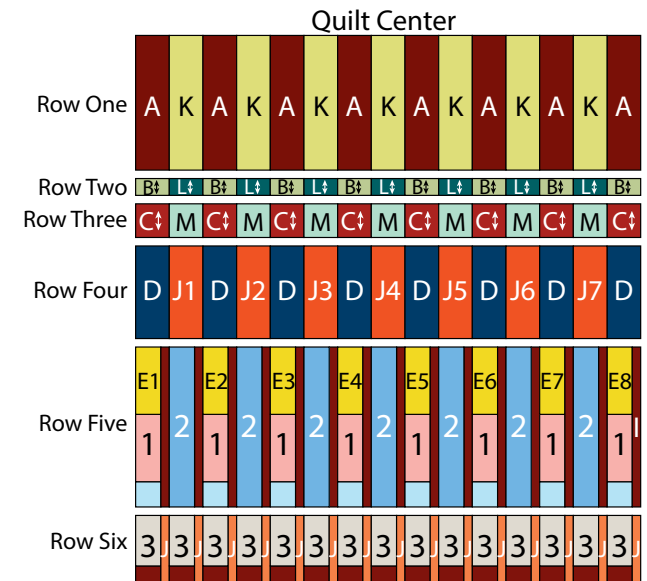


## Quilt Top Assembly

**Note:** Refer to **Figure 4** to arrange the following pieces and blocks into rows for the quilt center. To nest seam allowances for easier alignment of rows, press towards the darker fabric in each row unless directed otherwise. Each completed row should measure  $60\frac{1}{2}$ " long.

- Arrange and sew together (8) **Fabric A** and (7) **Fabric K**  $4\frac{1}{2}$ " x  $16\frac{1}{2}$ " strips as shown, with the fussy-cut columns right reading, to make Row One.
- Arrange and sew together (8) **Fabric B** and (7) **Fabric L**  $2\frac{1}{2}$ " x  $4\frac{1}{2}$ " pieces as shown to make Row Two.
- Arrange and sew together (8) **Fabric C** and (7) **Fabric M**  $4\frac{1}{2}$ " squares as shown, with the **Fabric C** stripes running vertically, to make Row Three.
- Arrange and sew together (8) **Fabric D** and (7) **Fabric J**  $4\frac{1}{2}$ " x  $11\frac{1}{2}$ " strips, in numerical order from J1 to J7, to make Row Four. Press towards **Fabric J** if nesting seams.
- Arrange and sew together (8) of Block One, in numerical order, and (7) of Block Two with the light end of the columns towards the bottom of the row, then add the remaining  $1\frac{1}{2}$ " x  $19\frac{1}{2}$ " **Fabric I** strip at the right-hand end, to complete Row Five.
- Arrange and sew together (15) each of Block Three and the  $1\frac{1}{2}$ " x  $8\frac{1}{2}$ " **Fabric J** strips to make Row Six. Press away from **Fabric J** if nesting seams.

**Figure 4**

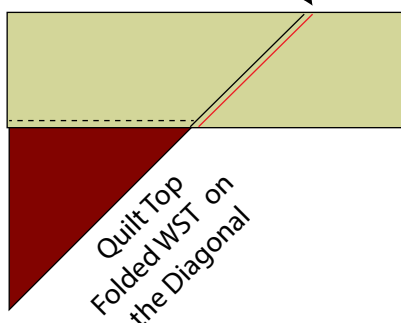


- Sew together Rows One – Six in numerical order from top to bottom, matching seam intersections and nesting seam allowances, to complete the  $60\frac{1}{2}$ " x  $60\frac{1}{2}$ " Quilt Center.
- Sew the **Fabric O** strips together end-to-end into one continuous strip, then cut into 4 border strips each 74" long (the borders are longer to allow for mitered corners).
- Pin a **Fabric O** border strip, centered, to the sides of the quilt center. Sew to each side, starting and stopping  $\frac{1}{4}$ " from corners of the quilt center. Repeat to add border strips to the top and bottom of the quilt center. Press.

- 13.** Fold the quilt top RST diagonally through a corner, making sure the outer border seams are aligned from the folded corner outwards. Draw a 45° line extending from the fold on the border piece that is on top, then stitch on the line (**Fig. 5**). Open the corner up to check from the right side that the miter will lay flat when pressed, then trim seam allowance to 1/4". Repeat the process to miter the remaining 3 corners.

**Fig. 5**

Mark and sew along 45° line,  
then trim 1/4" away.



## Finishing

- 14.** Sew together the 2 1/2" **Fabric O** binding strips end to end using diagonal seams. Press seams open. Press the binding strip in half wrong sides together.
- 15.** Layer 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 top after quilting is completed.
- 16.** Leaving an 8" tail of binding, sew the binding to the top of the 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 the 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 right sides together. Trim seam to 1/4" and press open. Finish sewing binding to quilt.
- 17.** Turn the binding to the back of quilt and hand-stitch in place.

## Quilt Layout

