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## Jo Morton PS38090

## Finished size: 70"x70"

## Cutting

For ease in piecing this quilt, sort, label, and keep pieces together by block number and size as you cut.


Fabric 1-(38094-21)-11/8 yds.
BLKs 1, 2, 3 and 5
Fabric is directional.
Cut $1-61 / 4 \mathrm{xWOF}$ strip. From the strip cut
$16-61 / 4 " \times 2$ " rectangles for Block 1.
Cut 4-2"x WOF strips for Block 2 - 9-Patches.
Cut $2-61 / 4 \mathrm{x}$ WOF strip. From the strip cut $32-61 / 4 " \times 2$ rectangles for Block 3.
Cut 3-21/2"x WOF strips for Block 5 - 9-Patches.


Cut 4-2"xWOF strips for 9-Patches - Blocks $1 \& 3$.


Cut 4-2"x WOF strips for Block 2-9-Patches.
Fabric 2-(38094-22) - 1 yd.
BLKs 1, 3, 4 and 5
Fabric is directional.
Cut 3-2"xWOF strips for Block 1-9-Patches.
Cut 1 - 2"xWOF strips for Block 3-9-Patches.
Cut $1-5^{\prime \prime} x$ WOF strip From the strip cut
$8-5$ "x2" rectangles for Block 3 - 9-Patches.
Cut $3-2 \frac{1}{2}$ "xWOF strips for Block $4-9$-Patches.
Cut $1-8^{1 / 2}$ "x WOF strips. From the strips cut $16-81 / 2$ "x $21 / 2$ " rectangles for Block 5 .


Fabric 3-(38092-11) - 5/8 yd.
BLK 4
Fabric is directional; see diagram on the right.
Cut $2-81 / 2$ "xWOF strips. From the strips cut $20-81 / 2^{\prime \prime} \times 2 \frac{1}{2} 2^{\prime \prime}$ rectangles for Block 4.


Fabric 4-(38092-12) - $13 / 8$ yds.
BLK 2 and Binding
Fabric is directional; see diagram on the right.


Cut $3-21 / 2$ "x WOF strips for Block 4 - 9-Patches.
Cut $3-2 \frac{1}{2}$ "x WOF strips for Block 5 - 9 -Patches.


[^0]Cut $3-61 / 4 \mathrm{x}$ WOOF strips. From the strip cut $48-61 / 4 \times 2$ " rectangles for Block 2.
From the remainder cut - $21 / 2$ " bias(diagonal) strips to equal 315 "when joined for Binding.

Fabric 8-(38095-14) - 7/8 yd. BLKs 3, 4 and 5

Cut $3-41 / 2$ "x WOF strips. From the strip cut $36-41 / 2$ " $\times 21 / 2$ " rectangles for Blocks $4 \& 5$.
Cut 4-3"x WOF strips. From the strip cut
$64-3$ "x2" rectangles for Block 3 .


Fabric 9-(38093-11) - 1 yd. BLKs 4 and 5 plus inner border

Cut $1-8$ "x WOF strip. From the strip cut $2-8 " \times 8$ " squares. Cut twice diagonally to make 8 triangles for Blocks $4 \& 5$.
Cut 6 - 33/4" $x$ WOF strips for Inner Border.

## Construction

9-Patches for Border Blocks


Block 1


Block 2


Block 3

9-Patches should measure $5 " \times 5$ " with seams.


Fabric 10-(38093-13)-25/8 yds. BLKs 1, 2 and 3

Cut $7-61 / 4 \mathrm{n}$ x WOF strip. From the strips cut $128-61 / 4$ "x2" rectangles for Blocks $1 \& 2$.
Cut $4-51 / 4$ "x WOF strip. From the strips cut $64-51 / 4$ "x 2 " rectangles for Block 3.
Cut $4-6 " x$ WOF strips. From the strips cut $24-6 " x 6^{\prime \prime}$ squares. Cut twice diagonally for to make 96 triangles for Blocks $1,2 \& 3$.


Cut 2-2"x WOF strips for 9-Patches - Blocks $1 \& 2$.
Cut $3-41 / 2$ "x WOF strips. From the strips cut $36-41 / 2$ " $\times 2 \frac{1}{2}$ " rectangles for Blocks $4 \& 5$.


Fabric 12-(38093-16) - $11 / 2$ yds. BLKs 4 and 5

Cut $5-61 / 2$ "x WOF strip. From the strips cut $72-61 / 2 \times 21 / 22^{\prime \prime}$ rectangles for Blocks $4 \& 5$.
Cut $2-8$ "xWOF strips. From the strips cut $7-8$ "x 8 " squares. Cut twice diagonally to make 28 triangles for Blocks $4 \& 5$.

## 9- Patches for 10" Finished Blocks



Note: 9-Patch Block 1 requires 2 units from Strip Set 1 and 1 unit from Strip Set 2.
9-Patch Block 2 requires 2 units from Strip Set 4 and 1 unit from Strip Set 3.
9-Patch Block 3 requires 2 units from Strip Set 1 and 1 F2 Center Rectangle.

9-Patch blocks should measure 5"x5" with seams


1. Make 2 (F5-F2-F5) Strip Set 1. Press seams open. From the 2 strip sets cut $8-2$ " $\times 5$ " units for Block 1 and 16 for Block 3.
2. Cut 1 F2 and 1 F11 2"xWOF strip in half lengthwise. Using the cut strips stitch 1 (F2-F11-F2) Strip Set 2. From the strip set cut $4-2$ " $\times 5$ " units for Block 1
3. From the remaining F2 2"xWOF strip cut 8-2"x5" Center Rectangle units for Block 3
4. Make 2 (F6-F1-F6) Strip Set 4. Press seams open. From the 2 strip sets cut $24-2$ " $\times 5$ " units for Block 2.
5. Make 1 (F1-F11-Fl) Strip Set 3. Press seams open. From the strip set cut 12-2"×5" units for Block 2.
6. Refer to diagrams above to assemble the assorted 9-Patch blocks. Make 4 Block 1, make 12 Block 2 and make 8 Block 3.

The 9-Patch Blocks above are used in the 10" finished blocks.

## 9-Patches for Center Blocks



Block 4


## 9-Patches for 141/2" Finished Blocks



9-Patch blocks should measure $61 / 2$ " $\times 66^{1} / 2^{\prime \prime}$ with seams


1. Make 1 (F2-F2-F2) strip set using the $21 / 2$ "xWOF strips. Press seams open.From the strip set cut $10-21 / 2^{\prime \prime} \times 6 \frac{1}{2}$ " units for Block 4.
2. Make 1 (F7-F2-F7) strip set using the $21 / 2^{\prime \prime} x W O F$ strips. Press seams open.From the strip set cut $5-2 \frac{1}{2}$ " $\times 6 \frac{1}{2} 2^{\prime \prime}$ units for Block 4.
3. Make 1 (F1-F7-F1) strip set using the $21 / 2$ "xWOF strips. Press seams open.From the strip sets cut $8-2 \frac{1}{2} \times \times 61 / 2^{\prime \prime}$ units for Block 5 .

Block 5 - Make 4

4. Make 1 (F7-F1-F7) strip set using the $21 / 2$ "xWOF strips. Press seams open. From the strip sets cut $4-2 \frac{1}{2} 2^{\prime \prime} \times 6^{1 / 2 "}$ units for Block 5.
5. Refer to diagrams above to assemble the assorted 9-Patch blocks for Block 4 make 5 and Block 5 Make 4.

Piecing the Border Blocks - CrissCross Blocks 1 \& 2 and Star Block 3
Precise measurement, cutting and piecing are required for success with each of the blocks in this quilt as block corners must match exactly to create

## CrissCross Block 1- Make 4

Fabric requirements for CrissCross Blk. 1
(4) BIk 1 9-Patches•F1-(16) 61/4"X2" strips•F10-(32) 61/4"x2" strips and (16) 6" triangles

STEP 1: Stitch 2 F10 and 1 F1 strips together.
Press seams open. Unit should measure $61 / 4 " x 5^{\prime \prime}$ with seams. Make 16 .

| F10 |  |
| :---: | :---: |
| F1 | Make 16. |

STEP 2: Stitch a Step 1 unit to opposite sides of a Block 1 9-Patch. Press seams toward 9-Patch. Unit should measure $16 \frac{1}{2}$ "x5" with seams. Make 4 units.


Unit should measure $161 / 2$ " $\times 5^{\prime \prime}$ with seams

## Construction (cont.)

STEP 3: Using a $1 / 4$ " seam stitch 1 - F10 triangle to opposite sides of a Block $19-$ Patch unit. Press seams toward triangles. Make 8 units.


STEP 4: Align and sew a Step 3 unit to the 9-Patch unit from Step 2. Press seams open. Repeat on opposite side. Block should measure $161 / 2$ "x $161 / 2$ " through the center horizonally and vertically. Make 4 units.

STEP 5: Using a ruler and white marking pencil draw a line through the center of the F1 strips and center square. There should be $3 / 4 \mathrm{l}$ on each side of the center lines.


Unit should measure $161 / 2^{\prime \prime}$ through the center both horizonally and vertically

STEP 6: Align the corners of a $101 / 2$ " square ruler on the marked center lines. Make sure center of ruler intersects the exact center of the 9-Patch block. Trim excess fabric to make a block that measures $10^{1 / 2} 2^{\prime \prime} \times 10^{1 / 2} 2^{\prime \prime}$ with seams. Repeat Steps 5 and 6 to make 4 of Block 1 .


## CrissCross Block 2- Make 12

## Fabric requirements for CrissCross Blk. 2

(12) BIk 29 -Patches •F4 - (48) 61/4"x2" strips •F10 - (96) 61/4"x2" strips and (48) 6 "triangles

Repeat Steps 1-6 using the fabric requirements for CrissCross Block 2 to make 12 of Block 2 .


## 10" Finished Blocks

Fabric requirements for Star Blk. 3


CrissCross Blk. 2
(8) Blk 3 9-Patches • F1 - (32) 61/4"x2" strips•F8 - (64) 3"x2" rectangles•F10 - (64) 5¼"x2" strips and (32) 6" triangles

## Making Star Points

1. Select 1-F10 2"x $51 / 4 "$ strip and 1-F8 2"x $3^{\prime \prime}$ rectangle. On the wrong side of the F8 retangle measure 2"down from top left corner then draw a diagonal line to the top right corner. With right sides together align marked rectangle with top and left edge of the F10 strip.
2. Stitch on marked line. Trim corner leaving a $1 / 4$ "seam allowance. Press seam open. Make 32 Left Star Points. Repeat reversing the placement of the marked rectangle as shown to make 32 Right Star Points. The units should measure 2"x 61/4"
See diagrams below.


Make 32 Left Star Points for Block 3


## Right Star Point


$\sqrt{ }$ Unit Sizes for Star Blks 4 \& 5
F8 \& F11
Measure $21 / 2^{2 \prime}$ down for Blks. 4\&5
Make 32 Right Star Points for Block 3
$2.5^{\prime \prime} \times 4.5^{\prime \prime}$

NOTE: For Star Blocks 4 and 5 make (18)F8 and (18)F11 Left Star Points. Reverse direction to make (18)F8 and (18)F11 Star Star Points.
Unit Sizes for Star Blks 4 \& 5 are shown above in green. Measure $21 / 2$ "down for Blks. 4\&5. Look for $\boldsymbol{\checkmark}$ check.

## Assembling Star Block 3

STEP 1: Using a $1 / 4$ " seam stitch a Left and Right Star Point and 1 F1 strip together. Press seams open. Unit should measure $61 / 4 " x 5 "$ with seams. Make 32.

STEP 2: Stitch a Step 1 unit to opposite sides of a Block 3 9-Patch. Press seams toward 9-Patch. Unit should measure $161 / 2 " x 5$ " with seams. Make 8 units.


Unit should measure $16 \frac{1}{1} 2^{\prime \prime} \times 5^{\prime \prime}$ with seams

STEP 3: Stitch an F10 triangle to opposite sides of a Block 3 9-Patch unit. Press seams toward triangles. Make 16 units.


## Construction (cont.)

## Star Block 3 (cont.)

STEP 4: Align and sew a Step 3 unit with the 9-Patch unit from Step 2. Press seams open. Repeat. Make 4 units.

STEP 5: Using a ruler and white marking pencil draw center lines through F1 strips and center square.

STEP 6: Align the corners of a $101 / 2$ " square ruler on the marked center lines. Make sure center marks cross in the exact center of the 9 -Patch block. There should be $3 / 4$ on each side of the center lines.


Unit should measure $161 / 2$ " $\times 161 / 2^{\prime \prime}$ with seams


## Piecing - Center Blocks

Precise measurement, cutting and piecing are required for success with each of the blocks in this quilt as block corners must match exactly to create the lattice effect featured in this quilt.

## Making Star Points for Blocks 4 and 5

Star BIk. 4


141/2" Finished Blocks

Blocks 4 and 5 Select 1-F8 and 1-F11 $21 / 2$ "x $41 / 2$ "strip and 2-F12 $21 / 2$ "x $61 / 2$ "strips. On the wrong side of the F8 and F11 rectangle measure $2 \frac{1}{2}$ "down from top left corner then draw a diagonal line to the top right corner. With right sides together align marked F8 or F11 strip with top and left edge of the F12 strips.
Stitch on marked line. Trim corner leaving a $1 / 4$ "seam allowance. Press seam open. Make (18)F8 and (18)F11 Left Star Points. Reverse placement to make (18)F8 and (18)F11 Right Star Points. The units should measure $2 \frac{1}{2}{ }^{\prime \prime} \times 81 / 2 "$
See diagrams on page 6.

## Construction (cont.)



Star Block 4-Make 5-4 with F12 triangles and 1 with F9 triangles
14½" Finished Block

Fabric requirements for Star Blk. 4
 - F12 - (20) 8 " triangles and (40) $61 / 4 \times 2 \times 2 / 2$ " strips

STEP 1: Stitch an F11 Left and Right Star Point and 1 F3 strip together. Press seams open. Unit should measure $81 / 2 " x 6^{1} / 2$ " with seams. Make 10. Repeat with F8 Left and Right Star Point strip. Make 10.


STEP 2: Stitch 1-F11 unit to opposite sides of a Block 4 9-Patch. Press seams toward 9 -Patch. Unit should measure $22 \frac{1}{2} /{ }^{\prime \prime} \times 6^{1} / 2$ " with seams. Make 5 units.


Make 5

Unit should measure $22^{1} / 2^{\prime \prime} \times 6{ }^{1} / 2^{\prime \prime}$ with seams
STEP 3: Stitch 1-F12 triangle to opposite sides of an F8 unit from Step 1. Press seams toward Triangles. Make 8 units.
Repeat using F9 Setting Triangles. Make 2 units.

Make 2 units with F9 Triangles


STEP 4: Align and sew an F12 unit from Step 3 to the 9-Patch unit from Step 2. Stitch using a $1 / 4 / 4$ seam. Press seams open. Repeat on opposite side. Make 4 blocks. Repeat to make 1 additional block using the F9 Triangle units. This block will go in the center of the quilt.
STEP 5: Using a ruler and white marking pencil draw a line through the center of the F3 strips and the 9-Patch. There should be 1" on each side of the center lines..

STEP 6: Align the corners of a 15 " square ruler on the marked center lines. Make sure center of the ruler intersects the exact center of the 9-Patch block. Trim excess fabric to make a block that measures 15 "x15" with seams.


## Construction (cont.)

## Star Block 5 - Make 4

Fabric requirements for Star Blk. 5. Make 4

## 14½" Finished Block

(4) BIk 5 9-Patch units • F8 - (16) 4½"x2½" strips•F9 - (4) 8" triangles •F11-(16) 4½"x2½" strips and - F12 (32) $61 / 4 " \times 2 \frac{1}{2} / 2$ strips and (12) 8 " triangles

STEP 1: Stitch an F11 Left and Right Star Point unit and 1 F2 strip together. Press seams open. Unit should measure $81 / 2$ "x $61 / 22^{\prime \prime}$ with seams. Repeat with F8 Left and Right Star Points to make a total of 16 units- 8 with F8 and 8 with F11.


STEP 2: Stitch 1 an F11 Left and Right Star Point unit to opposite sides of a Block 59-Patch. Press seams toward 9-Patch. Unit should measure $221 / 2$ "x $61 / 2$ " with seams. Make 4 units.


Make 4

STEP 3: Stitch an F12 triangle to opposite sides of an F8 unit from Step Unit should measure $22^{1 / 2} \mathbf{2}^{\prime \prime} \times 6 \frac{1}{2}$ " with seams 1 unit. Press seams toward Triangles. Make 4 units.


STEP 4: Align and sew a Step 3 unit to the 9-Patch unit from Step 2.
Press seams open. Repeat on the opposite side.
Make 4 units as shown.

STEP 5: Repeat Steps 5 and 6 for Block 4 on page 8.


## Assemble Quilt

To assemble this quilt you will need the following:
CENTER: (9) - 15" unfinished blocks - (5) Block 4 and (4) Block 5 .
INNER BORDER: (6) - $33 / 4$ " x WOF strips of Fabric 9.
OUTER BORDER: (24) - 10½" unfinished blocks - (4) Block 1, (12) Block 2 and (8) Block 3.


14122" Finished Blocks

STEP 1: Assemble the 9 center blocks.
Carefully arrange and stitch Blocks 4 and 5 together by rows. Take special note of the position of the F9 triangles in each block. Press seams open. Arrows indicate position of red triangles. In order to fit outer border blocks, quilt center must measure 44 "x44" with seams.

STEP 2: Using a diagonal seam, join the | 6-F9 33/4"xWOF inner border strips end to end.
Press seams open.
STEP 3: Measure the 9 block quilt center. Cut 2 inner border strips to that measurement ( $44^{\prime \prime}$ with seams). Stitch border strips to opposite sides of center section. Press seams toward inner border.
Measure center section of quilt from side to side through the center of quilt - including newly added inner side borders.


## Quilt Center

STEP 3 cont.- Center with side borders should measure $501 / 2$ " with seams. Cut 2 top inner border strips to that measurement. Add to top and bottom of quilt top. Press seam open. Quilt top should measure $501 / 2$ "x $501 / 2$ " with seams.

## Outer Border Top and Bottom - Make 2


$10 \frac{1}{2}$ " $\times 70 \frac{1}{2}$ " with seams
STEP 4: Make two side border strips of 5 blocks each. Press seams open. The side borders should measure $10^{1} / 2^{\prime \prime} \times 501 / 2^{\prime \prime}$ with seams.
Make two border strips of 7 blocks each for the top and bottom. Press seams open.
The top borders should measure $101 / 2$ "x $701 / 2$ " with seams.

## Assemble Quilt (cont.)

STEP 5: Add the 5-block outer border strips to opposite sides of quilt top. Press seams toward inner border. Quilt top should measure $701 / 2$ "x $501 / 2^{\prime \prime}$ with seams.

STEP 6: Add 7-block top and bottom outer border strips to opposite sides of quilt top. Press seams open. Quilt top should measure $701 / 2$ "x $701 / 2$ " with seams.


## Finishing

Prepare the binding. Using a diagonal seam stitch F4 binding strips together, end to end. Press binding strips in half lengthwise with wrong sides together.

Layer, quilt and bind to complete the quilt.



Finished size: 70"x70"

## Fabric Requirements

Fabric $1 \quad 1 / 1 / 8 \mathrm{yds}$.

fabric is directional

Fabric $6 \quad 1 ⁄ 3 y d$.


Fabric $115 / 8 \mathrm{yd}$.


Fabric 21 yd.


Fabric 7 5/8yd.


Fabric $12 \quad 11 / 2 y d s$

Fabric 3 5/8 yd.


Fabric 8 7/8 yd


Fabric 91 yd .


Fabric $5 \quad 1 / 3 \mathrm{yd}$.


Also needed:
10½" Square Ruler
15" Square Ruler

Backing - 4½ yds.


- Skill Level: Intermediate

NOTE: Precision measurement, cutting and piecing are required for success with each of the blocks in this quilt, as block corners should match precisely to create the lattice effect featured in this quilt.


[^0]:    When cutting striped fabric align $2 \frac{1}{2}$ " or 2 " mark on ruler to the right edge of a "ribbon". Cut and then rotate the piece 180 degrees to make the second cut. Repeat to cut $48-2$ " and $20-21 / 2^{\prime \prime}$ strips for Blocks 2 and 4 respectively.

    The ribbons should be centered in each strip.
    Note: Finished Block 4 strips should contain 4 ribbons.
    Block 2 strips should contain 3 ribbons.

