

# *American Flag Laser-Cut Quilt Kits*

Perfectly cut and ready to sew!

Cut from  
25  
Beautiful  
Batiks



50 Stars    81" x 46"    Stripes are 3 ½ inch wide (1 ¾ inch squares)



25 Stars    58 ¼" x 36 ¼"    Stripes are 2 ¾ inch wide (1 ⅝ inch squares)



13 Stars    42 ½" x 26 ½"    Stripes are 2 inch wide (1 inch squares)

## Machine Set Up

1. Use a ¼ inch presser foot or ¼ inch marking on your machine.
2. Set your machine to end in the needle down position.
3. Use a shortened stitch length and a fine thread such as Aurofil Mako 50/2 in a neutral color.
4. Use extra fine pins (0.4 or 0.5 mm).
5. Install diagonal seam tape using the tool included in your kit

## Fabrics

### Light Stripes

Hoffman Bali Watercolors OYSTER  
 Hoffman Bali Watercolors PAPYRUS  
 Hoffman Confetti OYSTER  
 Hoffman Bali Dots OYSTER  
 Hoffman Bali Dots PAPYRUS  
 Hoffman Bali Chop Sunflower OYSTER  
 Hoffman Branches and Leaves OYSTER  
 Island Batiks Foundation Neutrals BUTTERMILK  
 Island Batiks Foundation Neutrals DOUGHNUT  
 Island Batiks Foundation Neutrals FLOUR  
 Island Batiks Foundation Neutrals ICING  
 Island Batiks Foundation Neutrals MOO MILK

### Red Stripes

Hoffman Bali Watercolors RED  
 Hoffman Bali Dots CHERRY  
 Hoffman Bali Chop Sunflower CHERRY  
 Timeless Treasures Tonga Batik Packed Poinsettia MERRY  
 Timeless Treasures Tonga Batik Holiday Mistletoe RUBY  
 Timeless Treasures Tonga Batik Pearl River Flower NOEL  
 Timeless Treasures Tonga Batik Floral Paisley CRIMSON  
 Timeless Treasures Tonga Batik Dotty Spirals TOMATO  
 Riley Blake Floral Reflections Leaves CHERRY  
 Riley Blake Good Vibrations Stripes RED RED  
 Riley Blake Good Vibrations Triangles CURRANT  
 Anthology Doodle VALENTINE

### Blue

Hoffman Bali Watercolors SAPPHIRE

### Stars

Hoffman Bali Watercolors OYSTER

### Binding (Optional)\*

Your choice of fabrics

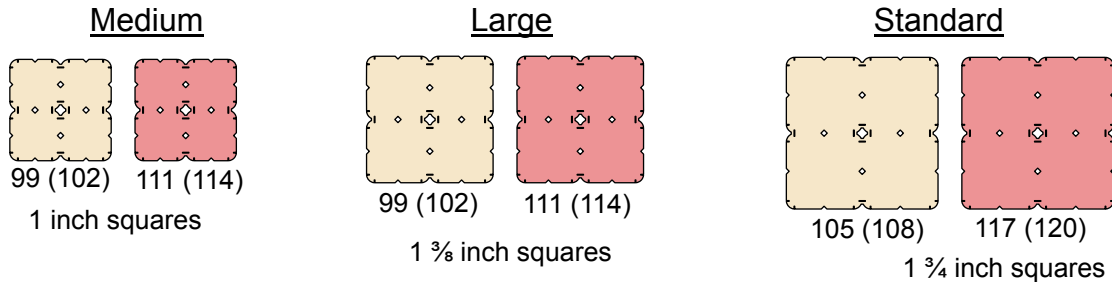
Hoffman Bali Watercolors and Bali Dots are kept in stocked at LaserCutMyQuilt.com. All other fabrics are available while supplies last. New fabrics will be stocked to replace fabrics that are not available to cut more kits in the future.

## **Standard LCMQ Fabric Preparation, Pressing Recommendations, and Disclosures**

All fabrics are prepared for laser cutting by saturating with plain water and pressing until dry. This process relaxes all the threads and “resets” the fabric back into a more natural state. After laser cutting, the edges of the fabric will have a very slight burnt edge, only noticeable on light fabrics. I have noticed that over time, a brown residue bleeds into the seam allowance.\* This has not been a problem for any of my quilts because it stays in the seam allowance and it washes away. I have noticed that spraying water or using steam while piecing can cause the brown residue to transfer onto the front side of the quilt which can be a problem for quilts that are not going to be washed. In addition, I have had issues with some fabric dyes used in batik fabrics that will transfer from dark to light fabrics while ironing if the fabrics are wet. So, as a precaution, dry pressing is recommended to avoid any bleeding of the brown residue or fabric dye onto the lighter colored fabrics.

\*Starch is not used. Starch is a sugar and seems to create more burning at the edges.

4SQ shapes are 4 squares plus seam allowances merged into 1 piece. These are used to make 4-square units (4 patches) similar to a common method for making half-square triangles and quarter-square triangles. Diagonal seam tape or other diagonal seam guide is **required** to sew these shapes.



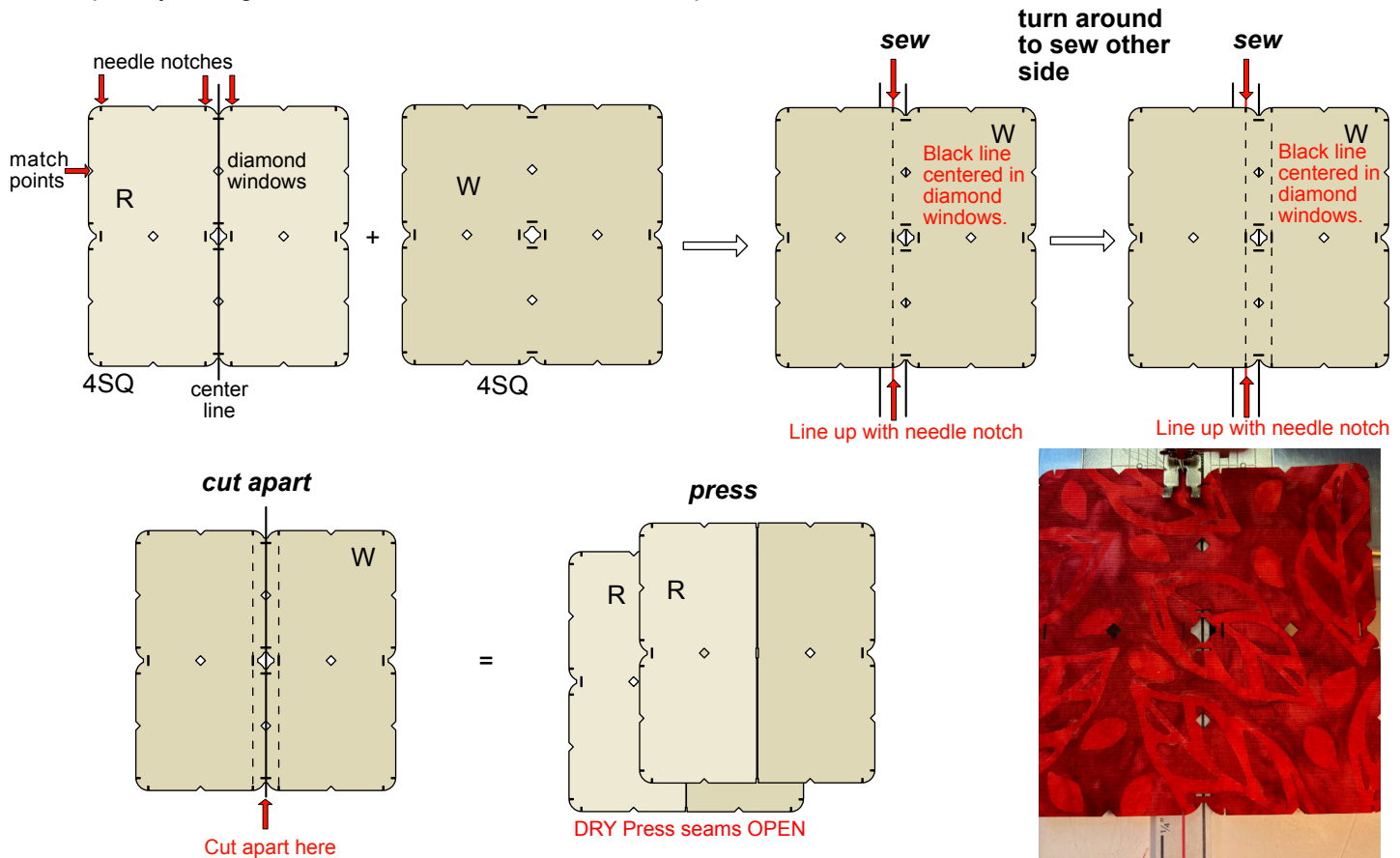
\*Each kit contains extra pieces in case of damage or loss. The quantity needed is followed by the quantity provided in parentheses.

## Light Stripes

The kit contains a stack of 4SQ shapes cut from 12 different light colored fabrics. Separate the stack into sets of 12 shapes by starting from the top of the stack and counting 12 pieces. You will notice that all the fabrics are different. The Standard size flag will have 9 sets of 12 and the medium and large size will have 8 sets of 12 plus 1 set of 6 pieces. To help distribute the different fabrics evenly throughout the quilt, assemble the units as sets of 12.

### Step 1

Randomly select 2 different fabrics from the set of 12 4SQ shapes. With the needle in the down position, place the 2 shapes under the presser foot and put the needle in the needle notch on the left side of the center line. Use the diagonal seam tape to sew a perfectly straight line. View the black line through the diamond windows as you sew and keep this line in the center. Keep the red line in line with the needle notch at the end of the seam. Chain sew the 6 pairs of shapes apart from this pile and then turn the set around and sew the second seam on the other side of the center line. Cut the units apart by cutting on the center line. Press the seams open.

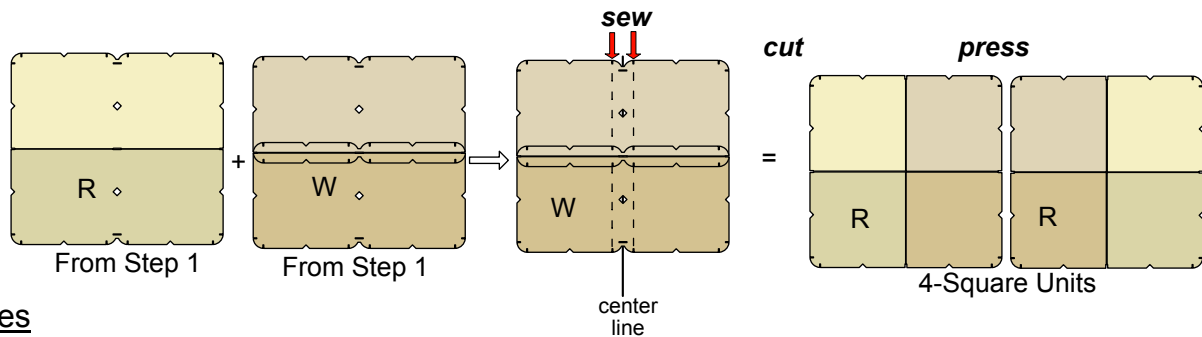


R = Right Side Up, W = Wrong Side Up




## Step 2

From the 12 units made in step 1, make 6 pairs by pairing up 2 units with 4 different fabrics in each pair. With right sides together, position the units so the diamond windows and horizontal seams are lined up and place a pin in the center to hold the 2 units in place. Sew a vertical seam on each side of the center line and then cut apart on the center line to make 2 4-square units. DRY Press seams open.



### Short Stripes

Make 6      12 units (1 Set)         
 DRY Press seams OPEN

Long Stripes: lengthen 3 of the short stripes


Make 3      50 Star: add 11 units, keeping with a random distribution of fabrics  
13 and 25 Star: add 9 units (from 2 ½ remaining sets, distributing randomly)

There will be 3 extra 4-square units.

### Red Stripes

The red units are assembled in exactly the same manner as the light units. You will make one additional set of 12 units to make a 4th short stripe of red. The 50 Star flag will have 10 sets and the 13 and 25 Star flags will have 9 sets plus 1 set with only 6 pieces.

### Short Stripes

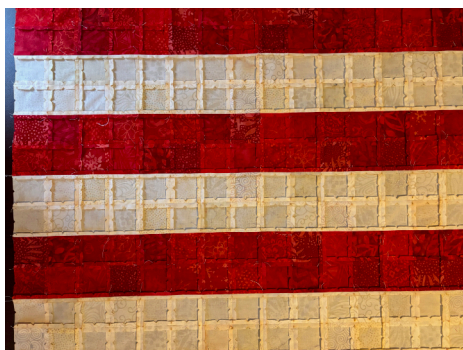
Make 7      12 units (1 set)         
 DRY Press seams OPEN

Long Stripes: lengthen 3 of the short stripes

Make 3      50 Star: add 11 units, keeping with a random distribution of fabrics  
13 and 25 Star: add 9 units (from 2 ½ remaining sets, distributing randomly)

There will be 3 extra 4-square units.

Sew the short stripes together into a panel and the long stripes together into a panel.



Press seams OPEN



R = Right Side Up, W = Wrong Side Up

# The Star Panel Shapes\*

## Star Block:



### 5 Star

10 (12)

### 13 Star

26 (28)

### 25 Star

50 (52)

### 50 Star

100 (104)



15 (18)

39 (42)

75 (78)

150 (156)

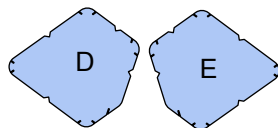


5 (6)

13 (14)

25 (26)

50 (52)

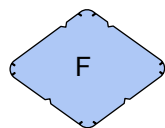


5 (6), 5 (6)

13 (14), 13 (14)

25 (26), 25 (26)

50 (52), 50 (26)



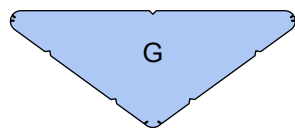
5 (6)

13 (14)

25 (26)

50 (52)

## The Panel:

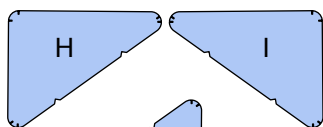


2

4

6

10

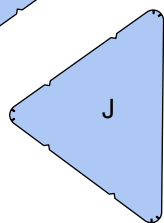


2, 2

2, 2

2, 2

2, 2

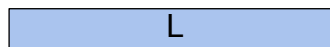


2

4

6

8

(laser cut)  
13.12 x 2 inch(laser cut)  
19.43 x 1.375 inch(42" x 3")  
25 3/4 x 1 3/4 inch(42" x 5")  
38 3/8 x 2 1/8 inch

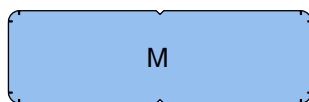
none

none

none

25 x 1 1/8 inch

## Bonus Packet:



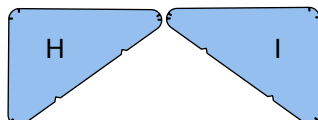
2.08" x 6.81"

1

1

1

2



2, 2

2, 2

2, 2

4, 4

\*Each kit contains extra pieces in case of damage or loss. The quantity needed is followed by the quantity provided in parentheses.

# The Star Panel

All the pieces in the star panel are designed to fit together perfectly using traditional piecing techniques. Accuracy is assured by the design features cut into each shape which include needle notches, match points, and rounded corners. All seams start and end with a needle notch. All seams have a match point to ensure proper alignment. Rounded corners create a  $\frac{1}{4}$  inch radius of seam allowance around the corner point to make a perfect fit with any two shape.

The panel is made up of star blocks (shapes A thru F), side triangles (G thru J), and rectangles (K and L). The star blocks are assembled by making 4 different units and then sewing the 4 units together into a diamond shaped block. The star blocks and side triangles are arranged into a rectangle shaped panel. Pieces K and L are then added and the panel is trimmed to the size needed to fit the stripe sections.

Throughout the instructions, wrong side (W) and right side (R) refers to the side with or without a seam allowance, respectfully. Pieces D and E and pieces H and I are the same shapes, however oriented as mirror opposites in the quilt. When cut with batik fabrics, which are dyed, there is not any visible difference between the two sides so the pieces can be oriented either way. Units 1 and 2 are mirror opposites and not interchangeable after piecing, so make sure you make the correct number of units for each orientation.

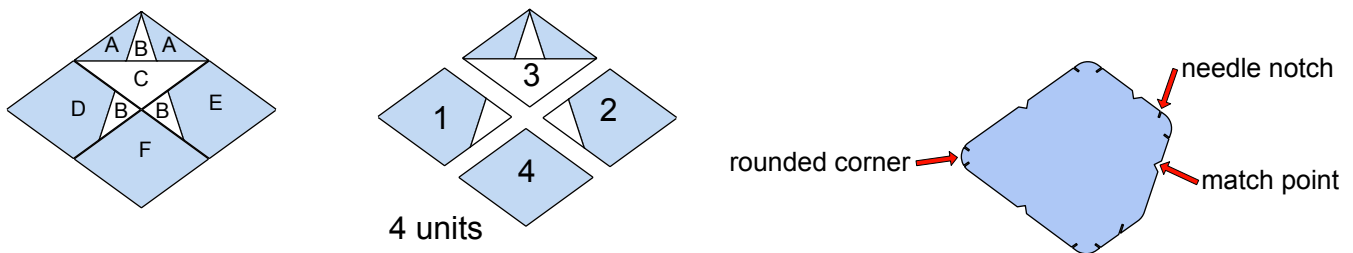
All kits have one or two extra star blocks. Make one star completely to familiarize yourself with the block, then assemble the remaining star blocks using a chain sewing method. Performing the same step over and over will help you master the step. If all the star blocks are made well, you will be able to use the extra block(s) to make a bonus mini-quilt.

## 5-Pointed Star Block

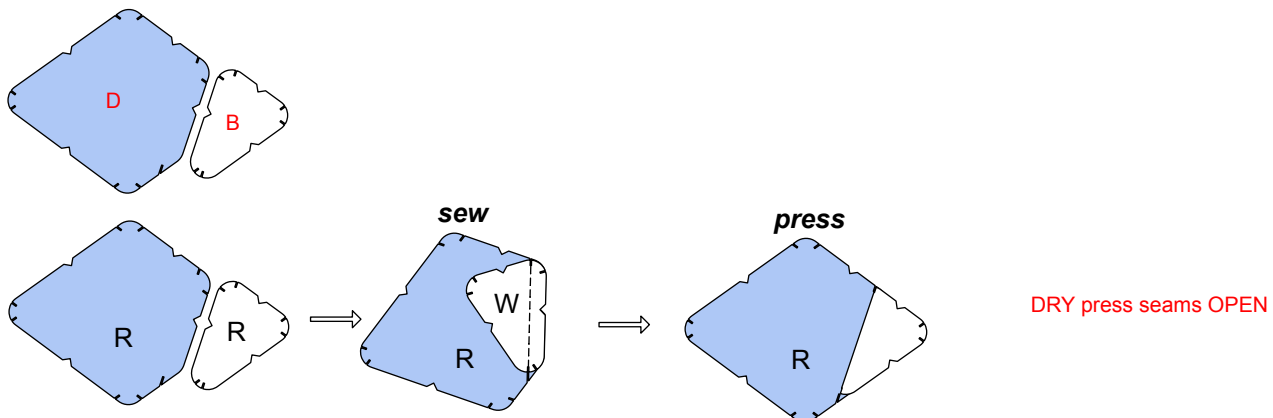
Place the 2 shapes together and match up the needle notches, fabric edges, and match points. With the needle in the down position, place the 2 shapes under the presser foot and insert the needle into the notch. Sew a straight seam from needle notch to needle notch. This is a scant  $\frac{1}{4}$  inch seam.

Pin where intersections join to ensure that points meet.

If seams are sewn accurately, the shapes and units should fit together pretty well as the block is built. If something is not matching up, examine the seams and re sew any problem seams. Never trim to make it fit. Trimming will only cause problems down the line.

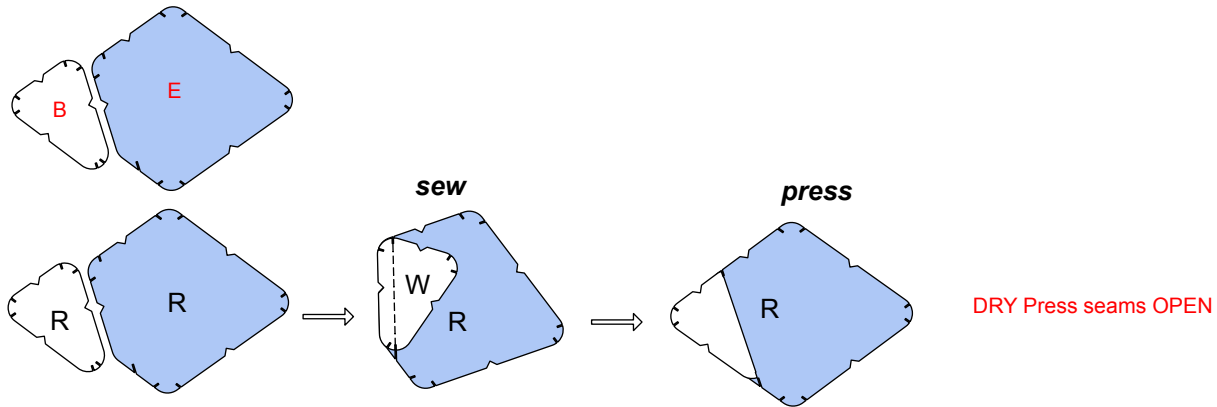


## Unit 1

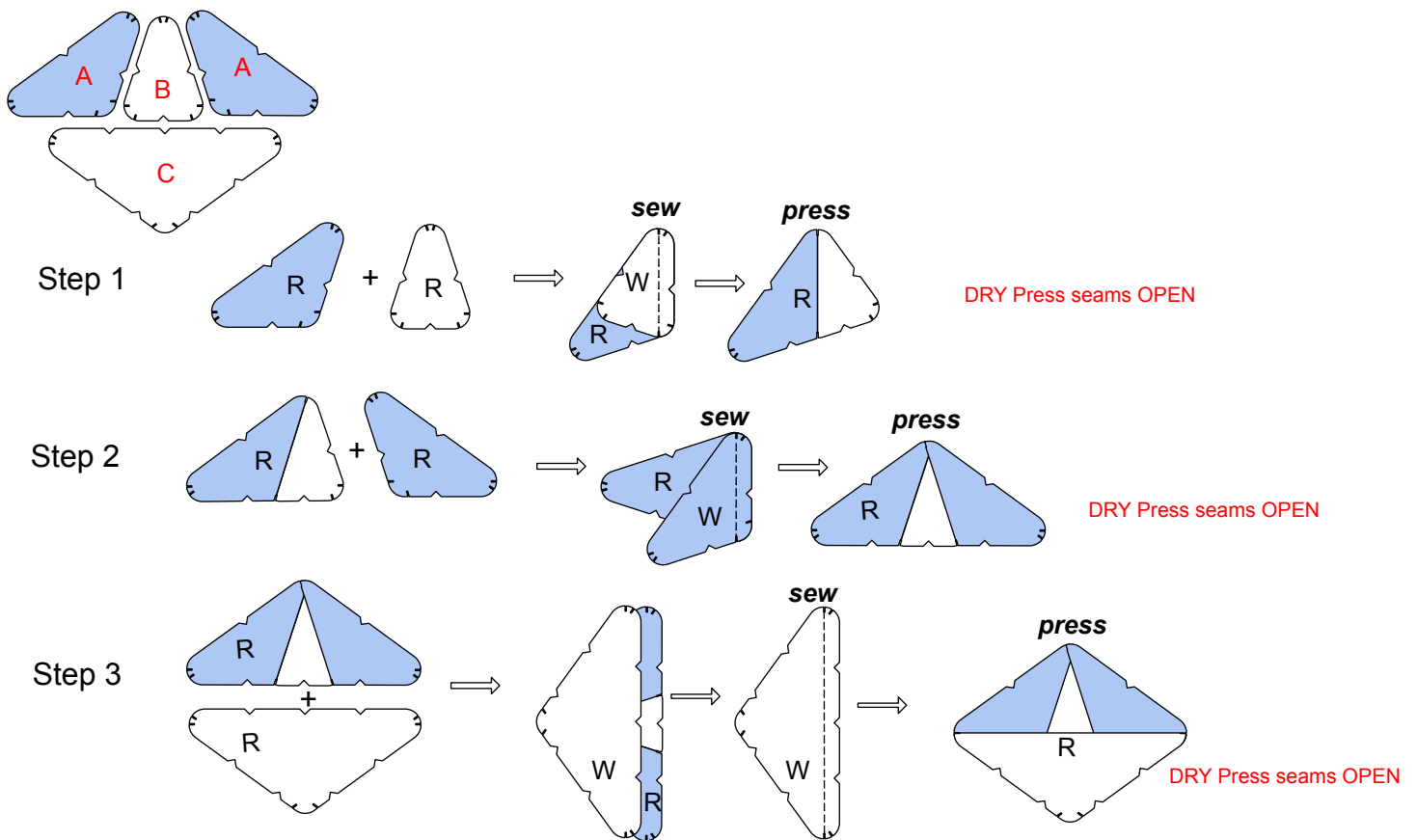


R = Right Side Up, W = Wrong Side Up

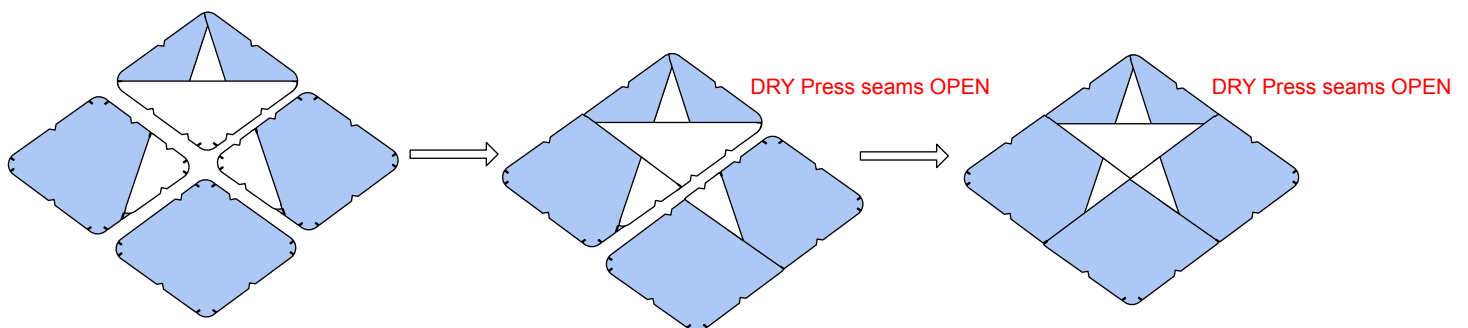
## Unit 2



## Unit 3

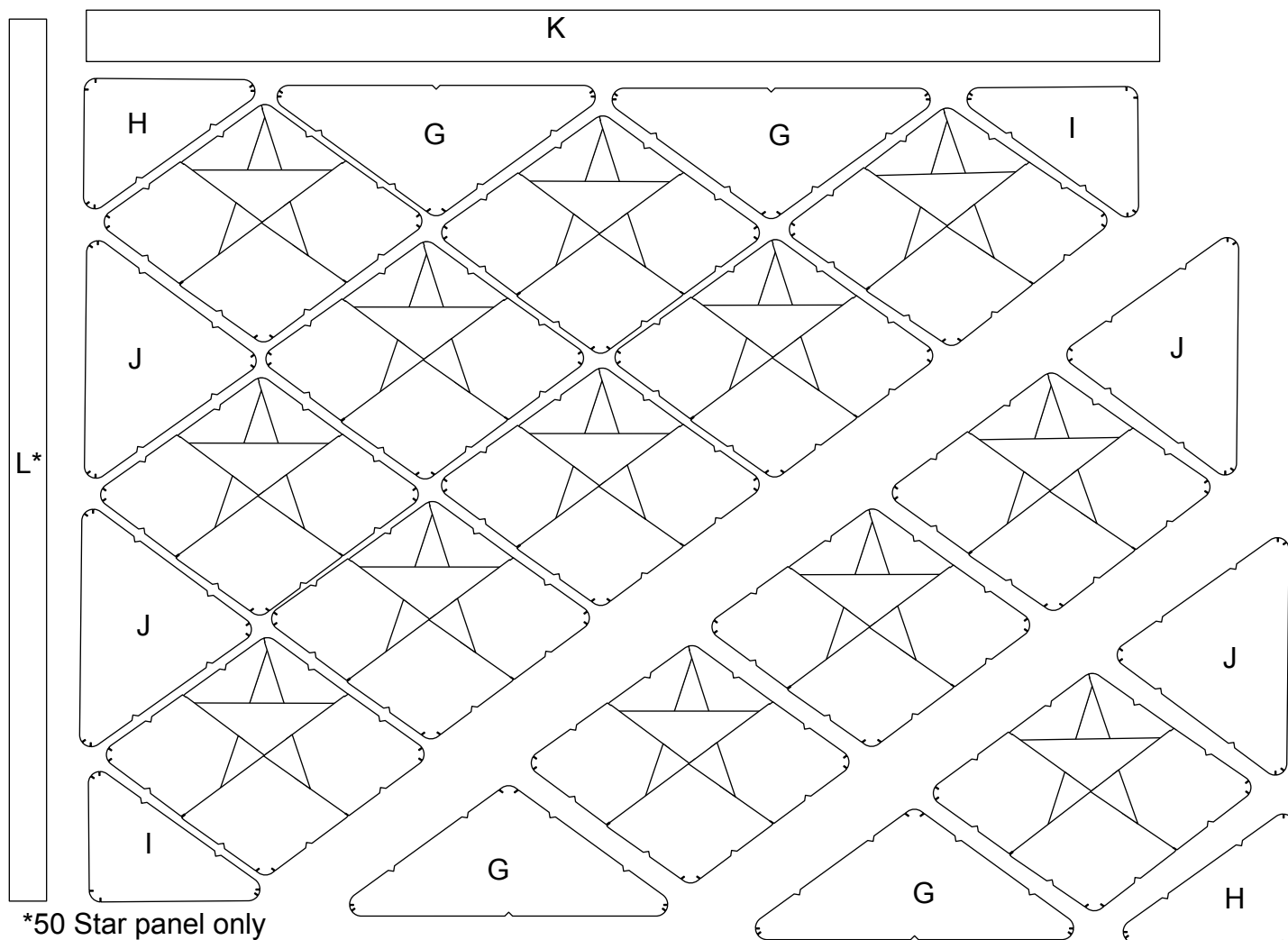


## The block



# The Star Panel

Assemble in diagonal rows and then sew the rows together, as illustrated below. Use the flag diagrams on the next page to help assemble the other flag sizes. **DRY Press the seams to the side of least resistance, which is away from the star point seams.**



Add the K and L piece. The L is only used in the 50 star panel.

The K piece is laser cut and ready to sew for the 13 star flag. The K and L pieces for the 25 and 50 star flags must be cut by the quilter. Before cutting, I recommend spraying the blue fabric provided with plain water until completely wet and pressing with a dry iron until dry. This will relax the threads, dissolve all the sizing chemicals and "reset" the fabric from the manufacturing process, in other words, it puts the fabric back into its natural state. Now a straight edge can be cut with a rotary cutter and ruler and strips can be cut to the following size:

## 25 Star Panel:

K  $25 \frac{3}{4}" \times 1 \frac{3}{4}"$

## 50 Star Panel:

K  $38 \frac{3}{8}" \times 2 \frac{1}{8}"$

L  $25 \times 1 \frac{1}{8}"$



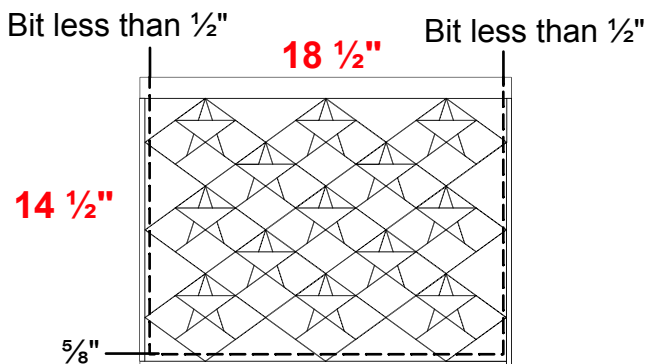
## 13 and 25 Star Panel

The panels will be trimmed a small amount on the bottom edge and the sides as shown by the dotted lines. The top edge (edge with the single star point) will not be trimmed.

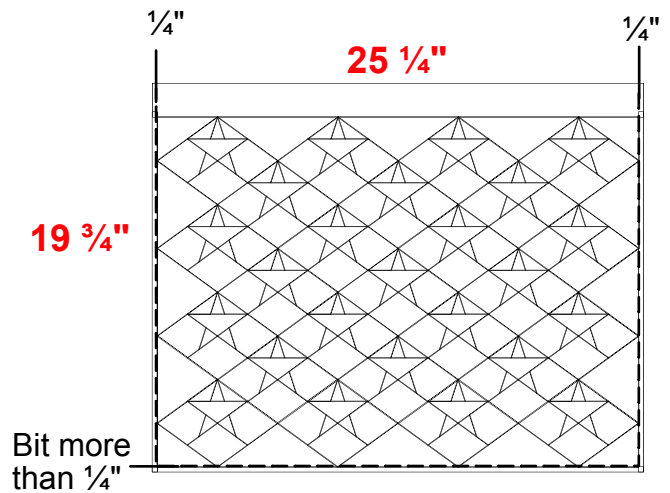
Press with a dry iron so it is as flat as possible. Place on a cutting mat of sufficient size. Place some books or large rulers on the panel to keep flat while measuring.

The dotted lines show the suggested trimming line and the estimated amount to trim. Trim the bottom edge first, making the panel the stated length in **red**. Next, trim the left and right sides equally, making the panel the width stated in **red**. The trimmed panel should fit perfectly with the stripe panels.

### 13 Stars

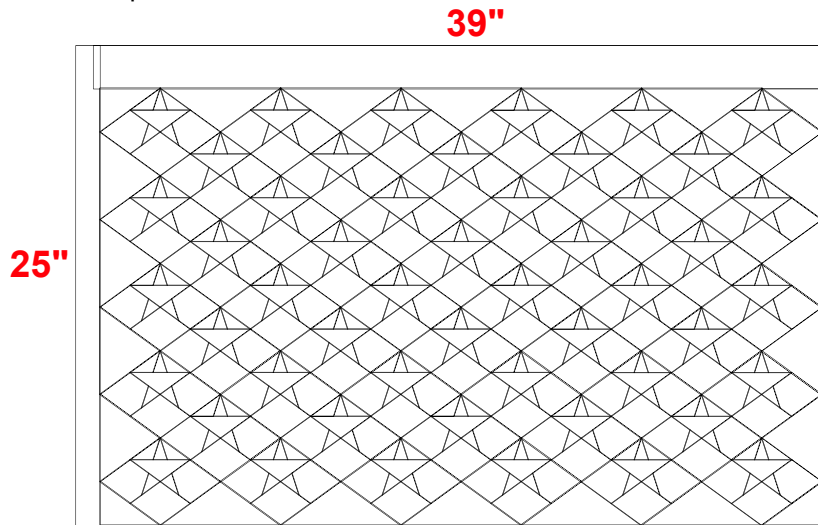


### 25 Stars



### 50 Stars

The 50 star panel should not need to be trimmed, but check the size and trim if needed.



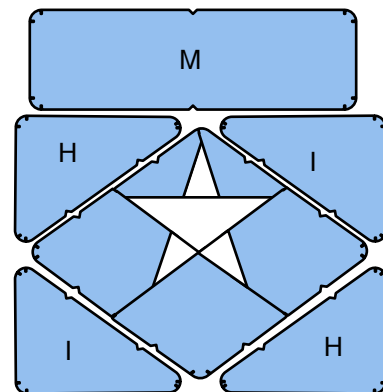
## Completing the flag:

Sew the short stripe panel to the right side of the star panel and then sew the long stripe panel to the bottom. Add your flag to a quilt, add a border, or finish as is.

## Bonus Mini-Quilt

As stated on the previous pages, extra shapes are included in the kit in case of damage or loss. If you have not damaged or lost any shapes, you will be able to construct a small bonus quilt. There is an additional packet with some bonus shapes to help you change the extra star block(s) into a rectangle or square. This is the number of extra shapes/units in each kit:

	<u>13 Star</u>	<u>25 Star</u>	<u>50 Star</u>
Star Blocks	1	1	2
4-Square Units Lights	3	3	3
4-Square Units Reds	3	3	3

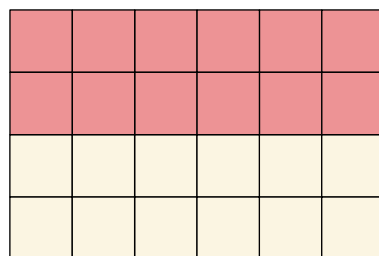
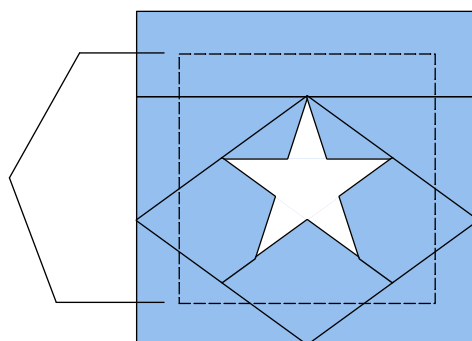


Unfinished size : 6.66" x 6.81"

The H, I, and M shapes are used to turn the diamond shaped star block into a square or rectangle block. When constructed, as shown above, the star will be centered in the block, but it is not a perfect square. You will need to trim it down to the size you want. It can be trimmed to a square or rectangle to put in another quilt or combined with the other extra units to make a mini quilt. See examples below.

13 Star: trim to 4.5" Sq

25 Star: trim to 6" Sq

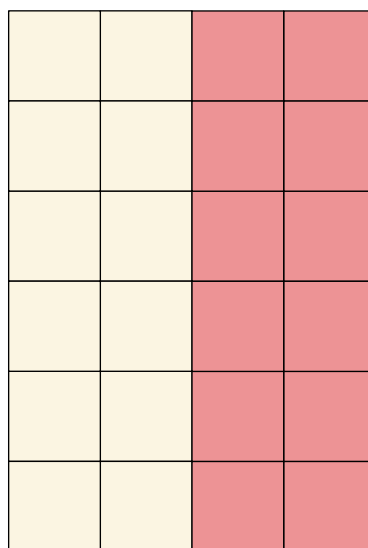
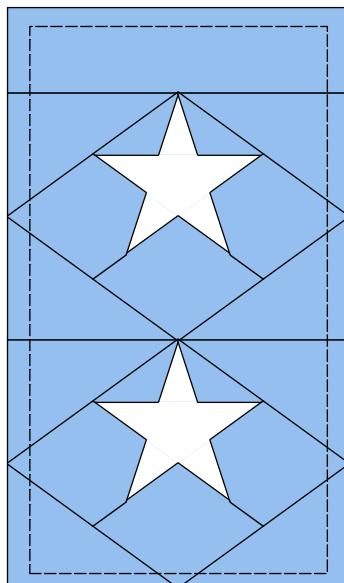


13 Star: 1" squares

25 Star: 1.375" squares

Texas Flag

50 Star: trim to 11"



50 Star: 1.75" squares