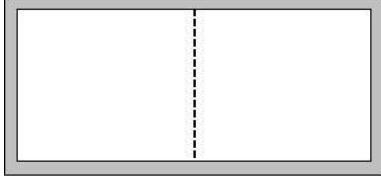
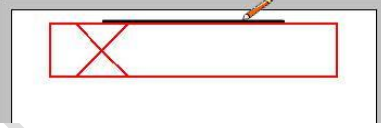
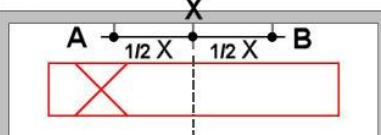
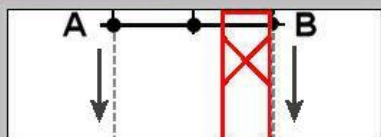
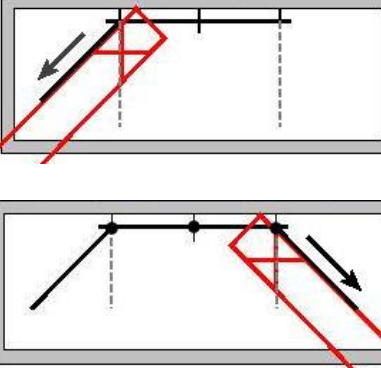
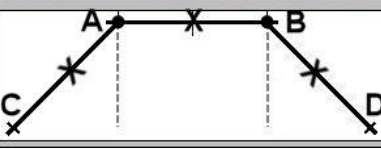
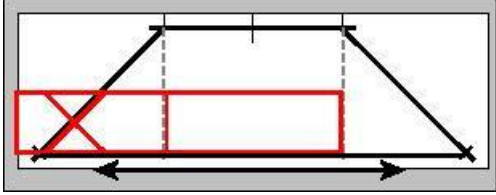
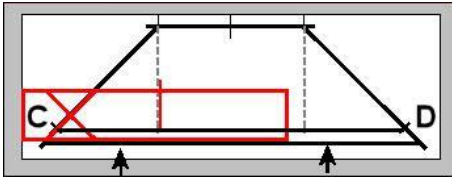
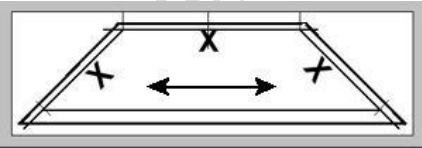
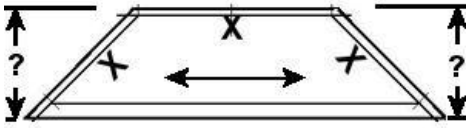
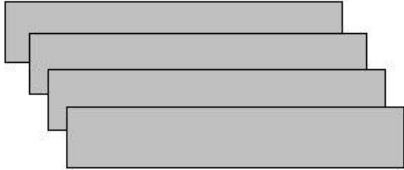



## *Basic Lone Star Construction Tips*

### HOW TO Draw the Trapezoid unit

|  |  |
|--|--|
| <p>1. Collect the following tools:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Paper (such as freezer paper, shelf paper, drawing paper, graph paper, etc.) apprx. 2 times your "X" measurement by the width of the paper. Optional: tape several sheets of ordinary graph or typing paper together, creating a larger piece.</li> <li><input type="checkbox"/> Standard quilter's ruler at least 12" along one edge, or longer.</li> <li><input type="checkbox"/> Sharpened pencil, or pen or extra-fine Sharpie marker.</li> </ul> |  |
| <p>2. Fold the paper in half, making a crease in the centerfold.</p> <p>3. Divide the "X" number (the length of your diamond's outer seams) in half.</p>   |    |
| <p>4. Position your ruler approximately 1" from the longest side of the paper stock, at the centerfold. Draw a line, parallel to the outer edge, longer than "X".</p>  |    |
| <p>5. Place a dot at the centerfold, and measure outward along the line in both directions, 1/2 "X"</p> <p>6. Place a dot at both the left (A) and right (B) sides of the line, defining the length of the seam, X.</p>  |   |
| <p>7. Rotate your ruler, aligning the ruler's cross-grids on your pencil / ink line. Draw a vertical dashed line downward from <i>both</i> dots (A) and (B), at right angles to the first line.</p>  |  |
| <p>8. Rotate the ruler once again, aligning the 45-degree guideline with the end point (A), and the dotted line. Draw a long line on the left side of the shape, 45-degrees from (A).</p> <p>9. Repeat the process, moving the ruler, and drawing a long line from the dot/end position (B).</p>   |  |
| <p>10. Measure from point (A) along the line, and make a mark (C) representing the seam line, "X". Repeat for the right side, from (B) to (D). The top, side A/C, and side B/D are all "X" in length.</p>  |  |

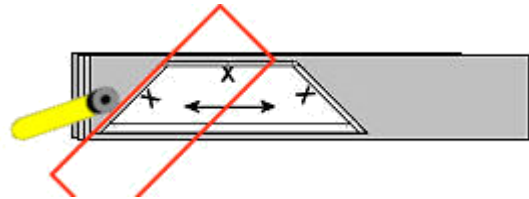
## *Basic Lone Star Construction Tips*

|   |   |
|---|---|
| <p>11. Rotate the ruler once again, aligning the ruler's cross-grid lines with your vertical dashed lines, and connect (C) and (D).</p> <p>If you have a short ruler, you may need to draw the line in two steps – maintaining the alignment with the vertical dotted/dashed lines.</p>   |  <p>This is the FINISHED size of your trapezoid pattern (without seam allowances).</p>  |
| <p>12. Shift the ruler, aligning the 1" guideline on the C/D line. Draw a long line, 1" away from the C/D line. The area you have added will be the outer edge of the quilt, providing additional space for the binding.</p>  |   |
| <p>13. ADD 1/4" seam allowance surrounding the shape on 3 sides: C/A, A/B, and B/D. Do not add seam allowance from C to D.</p> <p>ADD a grain-line arrow parallel to the longest side.</p>  |  <p>CONGRATULATIONS! You have created a custom trapezoid pattern that will perfectly fit your star medallion!</p>               |
| <p>14. Trim away excess paper. Label the pattern according to the diagram, including grain-line arrows.</p>   |   |
| <p>15. Measure the height (from the longest edge to the shortest edge) to determine the height /width of the trapezoid.</p>   |   |
| <p>16. Cut 4 strips from the cloth for the outer trapezoid the same width as the height/width measurement from step 15.</p> <p>a) When working with border-print yardage, cut around the paper template to take advantage of the patterned fabric designs. Border print yardage is very effective along the outside of your quilt – however, purchase more yardage for this option.</p> |  <p>b) If the fabric is an all-over, solid, batik or printed design, you may cut either cross-wise or length-wise strips.</p> |
| <p>17. Open the fabric strips, and layer them on top of one another, aligning the pattern from one layer to the next.</p>   |   |

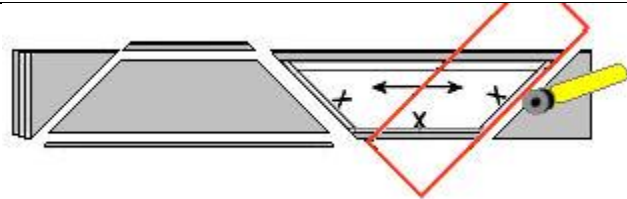
## *Basic Lone Star Construction Tips*

Press the freezer paper pattern on the top of the stacked fabric (shiny side towards the fabric), or pin in place with hand-sewing needles or flower-head pins.

18. Position the rotary cutting ruler over the paper pattern. Carefully cut through all layers at both ends of the template, holding the ruler steady to avoid cutting the paper template.



19. Rotate the template, and repeat the process, cutting the remaining pieces from the remainder of the strips.



20. Mark the registration points at the 1/4" seam line and all 4 corners on all trapezoid units.



21. OPTIONAL: ADD NARROW TRIM STRIP to the top and right edges of 4 units, and the top and left edges of 4 units at this point. (See Bonus instruction sheets in the handout.)



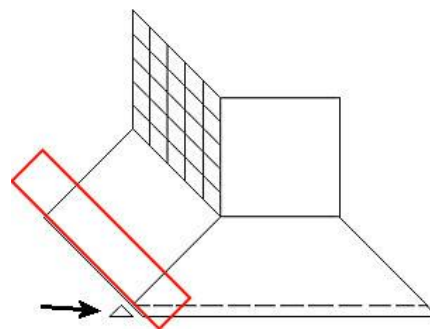
22. Sew the seams between the trapezoid and star one at a time, using the same technique as you did in the center of the star. Stop and backstitch at the 1/4" marks between the setting squares / diamonds / trapezoids. (see Lone Star Quilts, pages 60-65)

23. At the outside edge of the quilt, determine which treatment you prefer for the final center seams in each border.

Option A (suitable for all-over designs): Sew the first seams between a trapezoid and the setting square. Back-stitch at both end marks.

Align a ruler along the edge of the square, and trim away the excess trapezoid fabric, even with the square.

Sew the next adjacent seams, pinning to maintain layers along the seam as you sew.

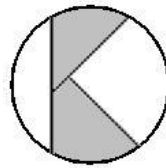


## *Basic Lone Star Construction Tips*

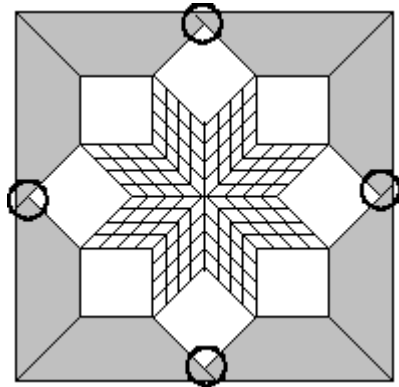
Option A, continued:

When attaching the 2<sup>nd</sup> of the trapezoids on the same side, sew the seam all the way to the quilt's outer edges, overlapping at the freshly-trimmed corner.

Construct all 8 border trapezoid units in the same manner, and the overlap should be identical on all 4 edges.



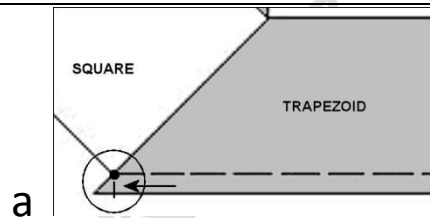
**DETAIL**  
trapezoid  
tips  
overlap



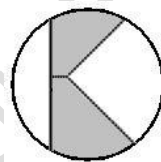
Option B (recommended for border print designs): Sew the trapezoid and setting square together, back-stitching at the marks on both ends. Using a pencil and ruler, align the 45-degree guideline on the *stitching line*.

Draw a short line from the registration mark to the outside edge (a) – this will be a *stitching line*. Fold the quilt top right sides together, aligning the trapezoid units facing one another. Sew the short 1" seam, backstitching at both ends.

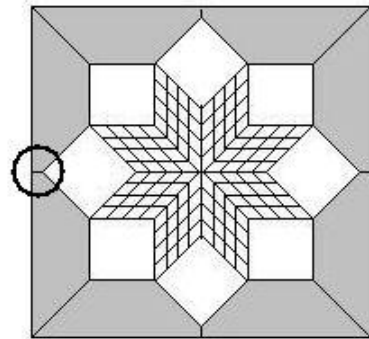
Trim away excess fabric, leaving a 1/4" seam allowance. Press open or to the side. All 4 edges will be sewn identically. (b)



a



**DETAIL**  
trapezoid  
tips  
overlap



b

The trapezoid's excess fabric provides space surrounding the star. Once quilting, trimming, and binding is added, the additional space will prevent loss of the points and corners at the quilt's edges.