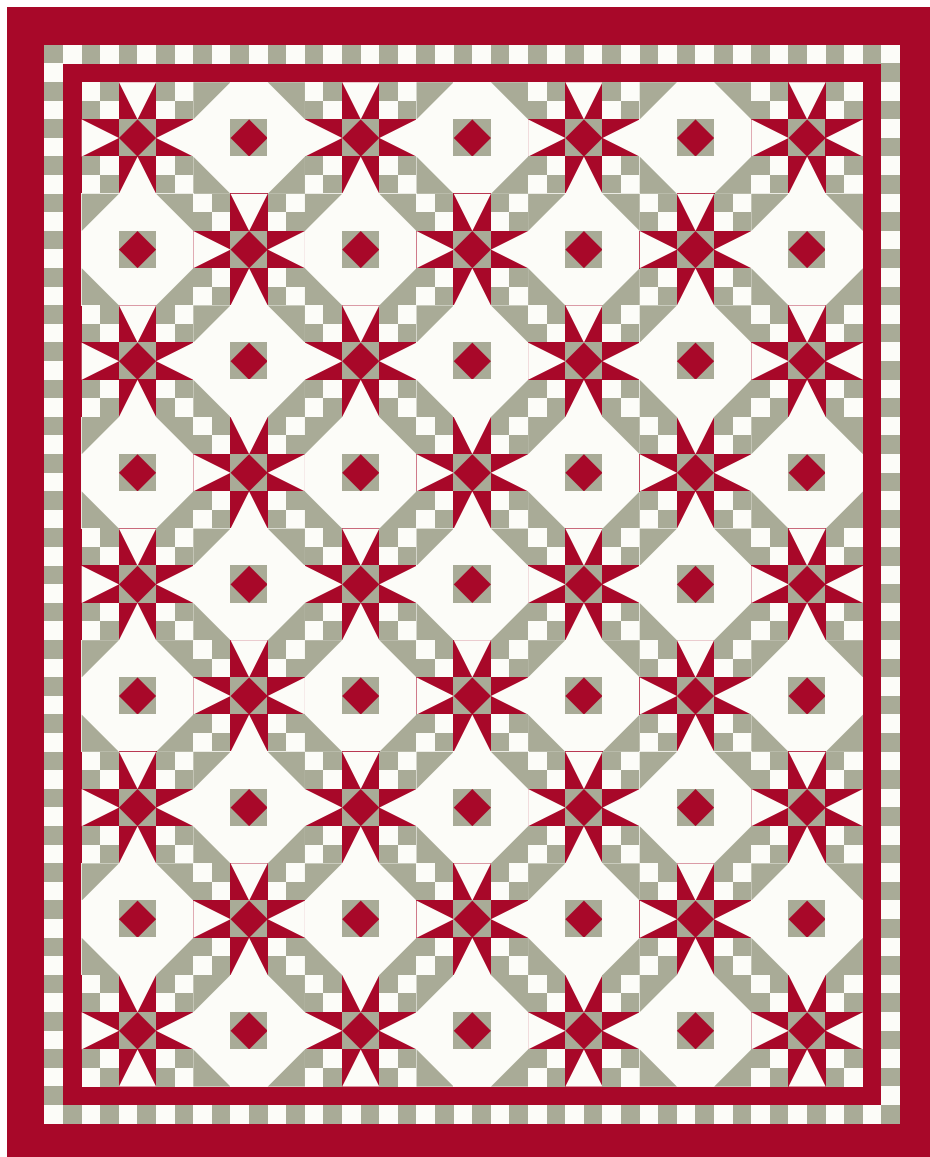


Crimson Star Chain Quilt

A measured reconstruction of the supplied red, taupe and white quilt diagram.



75 x 93 in | approximately 190.5 x 236.2 cm

32 star blocks + 31 diamond blocks | 9 in finished blocks

Includes cutting lists, unit diagrams, block and quilt layouts, border plans and four actual-size foundation templates.

Before you cut

Intermediate piecing. All cut sizes include 1/4 in seam allowance unless stated otherwise.

Project size	Finished / visible size	Unfinished / raw-edge size
Each small unit	3 x 3 in	3 1/2 x 3 1/2 in
Each block	9 x 9 in	9 1/2 x 9 1/2 in
Quilt center	63 x 81 in	63 1/2 x 81 1/2 in
Complete quilt top	75 x 93 in	75 1/2 x 93 1/2 in

Fabric requirements

Fabric	Purchase amount	Use
R - Crimson red	5 1/4 yd (4.8 m)	Star sides, diamond centers, two solid borders and binding
W - White / ivory	5 yd (4.6 m)	Star centers, plain units, four-patches, HSTs and checker border
G - Taupe / sage	3 yd (2.75 m)	Diamond corners, four-patches, HSTs and checker border
Wide backing	3 yd (2.75 m)	108 in wide; cut a piece at least 83 x 101 in after preparation
Batting	At least 83 x 101 in	A 90 x 108 in batt provides trimming room

Yardage uses 40 in of usable width of fabric (WOF) and includes a cutting margin. Use nondirectional prints. Extra fabric may be needed for large motifs, unusually heavy shrinkage or practice pieces.

Tools & preparation

Rotary cutter, cutting mat, inch ruler, square ruler with 45-degree line, pins, marking pencil, thread, iron and thin foundation paper. Read the full pattern. Press fabric and remove selvages before cutting. If you prewash, confirm at least 40 in usable width afterward.

How the measurements were established

The supplied image has no scale. This 75 x 93 in version preserves its 7 x 9 layout and border proportions. Geometry and counts are calculated; the pattern has not been physically test-sewn. Make one A/B test pair before batch cutting.

Master cutting list

R = red; W = white; G = taupe. HST = half-square triangle. FPP = foundation paper piecing.

Fabric	Qty.	Cut size (in)	Purpose
R	63	3 1/2 x 3 1/2	Diamond centers D
R	256	2 1/2 x 4 1/2	Oversized side pieces for 128 T units
R	8 strips	2 x WOF	Inner red border; join, then cut to page 11 lengths
R	9 strips	3 1/2 x WOF	Outer red border; join, then cut to page 11 lengths
R	10 strips	2 1/2 x WOF	Double-fold binding
W	358	2 x 2	256 for F units + 102 for checker border
W	190	4 x 4	128 for T units + 62 for HST pairs
W	124	3 1/2 x 3 1/2	Plain units in Block B
G	610	2 x 2	256 for F + 252 for D + 102 for checker border
G	62	4 x 4	Pair with the 62 white HST squares

A strip-cutting plan for 40 in usable WOF

Fabric	Crosswise strips to cut	Required fabric length
R	16 at 4 1/2 in; 15 at 3 1/2 in; 8 at 2 in; 10 at 2 1/2 in	165 1/2 in before extra margin
W	19 at 4 in; 12 at 3 1/2 in; 18 at 2 in	154 in before extra margin
G	7 at 4 in; 31 at 2 in	90 in before extra margin

From the fifteen red 3 1/2 in strips, reserve nine for the outer border; subcut the other six into the 63 center squares. Subcut the sixteen red 4 1/2 in strips every 2 1/2 in to obtain 256 rectangles.

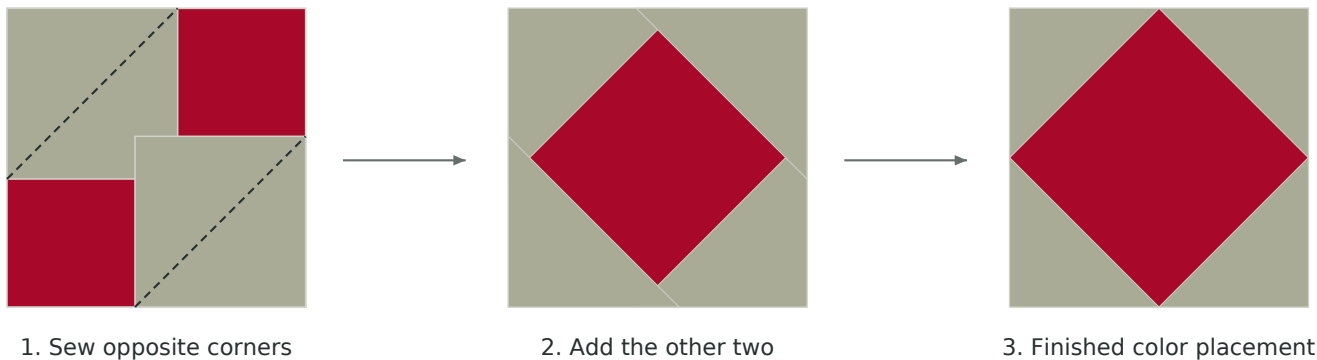
Cut only the listed quantities. Some strip plans yield spare pieces. The small-square totals already include the checker border. Do not add them again. Set aside labeled groups before sewing.

Red diamond centers

One D unit appears in every block. Finished size: 3 in. Unfinished size: 3 1/2 in.

For each unit

Cut one red 3 1/2 in square and four taupe 2 in squares. Total: 63 red squares + 252 taupe squares.



1 Mark and place

On the wrong side of all four taupe squares, draw one diagonal. Place two squares right sides together at opposite corners of the red square, aligned with the raw edges, as shown.

2 Sew, trim and press

Sew on each diagonal. Check that each flipped corner covers the original corner. Trim the excess corner layers 1/4 in beyond the seam, on the corner side. Press the taupe triangles outward.

3 Complete the remaining corners

Repeat on the other two corners. Check the flip before trimming. The corner pieces overlap slightly near the edges; this is expected. The red diamond points meet the finished boundary 1/4 in inside each raw edge.

4 Measure before continuing

Keep the unit at 3 1/2 x 3 1/2 in. Do not trim through the red points. Make 63 units; set aside 32 for Block A and 31 for Block B.

Four-patch corners

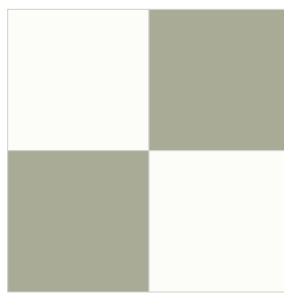
These taupe-and-white units create the checker chains around the stars.

For each unit

Cut two white and two taupe 2 in squares. Total: 256 white squares + 256 taupe squares.



Four 2 in cut squares



F0 - white diagonal



F1 - rotate F0 by 90 degrees

1 Sew two pairs

Join one white and one taupe square using a 1/4 in seam. Repeat. Each pair measures 2 x 3 1/2 in. Press toward taupe.

2 Nest the middle seam

Reverse one pair so the colors alternate. Match the central seam, sew the pairs together, then press. The four-patch measures 3 1/2 x 3 1/2 in unfinished.

3 Sort for the star blocks

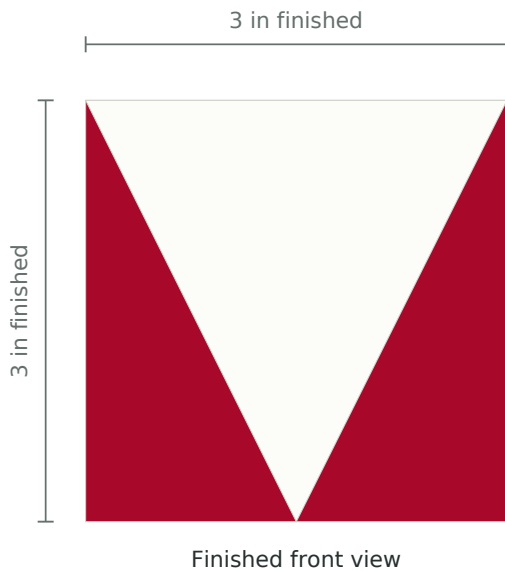
Make 128 units. Use 64 in F0 orientation and 64 rotated to F1. Within each Block A, the outermost corner and the corner nearest the central diamond are both white.

Placement in Block A

Top left = F0; top right = F1; bottom left = F1; bottom right = F0. Each star needs four four-patches. Check page 8 before sewing the rows; an incorrect rotation breaks the continuous chain.

The elongated star points

Use the foundation sheet on page 14. Each T unit has one white triangle and two red side pieces.



Per T unit

One white 4 in square (section 1)

Two red $2\frac{1}{2} \times 4\frac{1}{2}$ in rectangles (sections 2 and 3)

One paper foundation

The red rectangles are oversized. Check their coverage after folding open before stitching. The white triangle points inward toward the diamond when assembled into Block A.

The long seams have a 2:1 rise-to-run ratio. Ordinary 45-degree HSTs or flying geese do not reproduce these points.

1 Print and start

Print page 14 at 100% / Actual Size; measure its test square. Place white fabric on the blank side, wrong side touching paper, covering section 1 and its $\frac{1}{4}$ in allowances.

2 Add section 2

Fold the paper on the 1-2 line and trim the white fabric $\frac{1}{4}$ in beyond the fold. Align a red rectangle with this edge, right sides together. Pin and test-flip it to ensure full coverage of section 2 and the outer trim line.

3 Stitch and press

Unfold the paper. Sew from the printed side exactly on the 1-2 line, including the extensions into the outer seam allowance. Use a short stitch, about 1.5 mm. Fold the red fabric open and press.

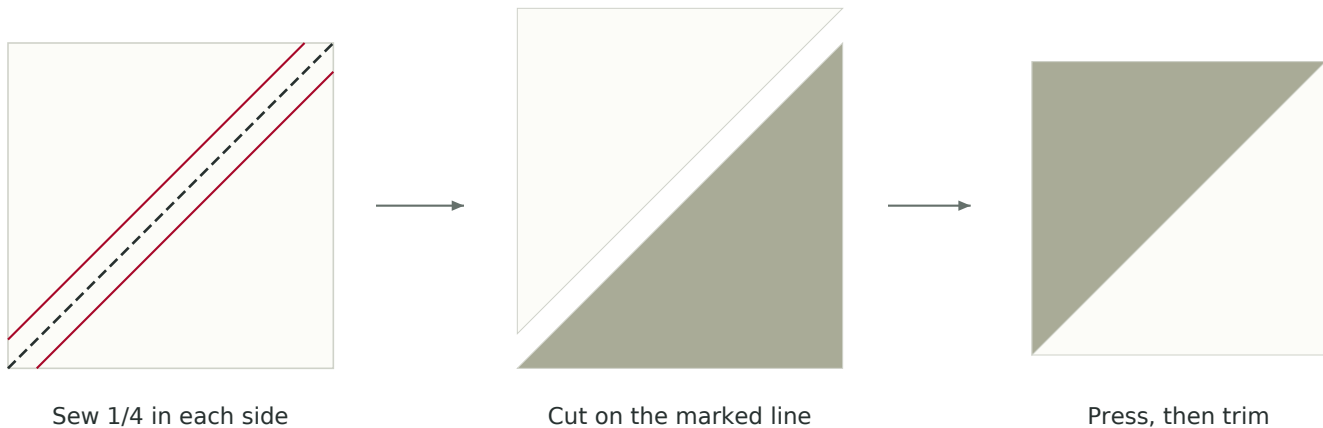
4 Repeat and trim

Repeat on the 1-3 line. Trim the completed unit on the heavy outer square to $3\frac{1}{2}$ in. Keep the paper on until the surrounding seams are sewn; remove it before quilting.

Technique reference: [Leila Gardunia - How to Foundation Paper-Piece](#). The unit geometry and templates in this PDF were drawn for this reconstruction.

Half-square triangle corners

Make two units at a time. Pair 62 white 4 in squares with 62 taupe 4 in squares.



1 Mark and sew

Draw one corner-to-corner diagonal on the wrong side of each white square. Pair it right sides together with taupe. Sew a scant 1/4 in from each side of the line.

2 Separate the pair

Cut on the drawn line to make two HST units. Open them and press toward taupe without stretching the bias seam.

3 Trim to the exact size

Place the ruler's 45-degree line on the diagonal seam. Trim each unit to 3 1/2 x 3 1/2 in. Keep the seam running precisely from corner to corner. Remove dog ears.

4 Orient the setting-block corners

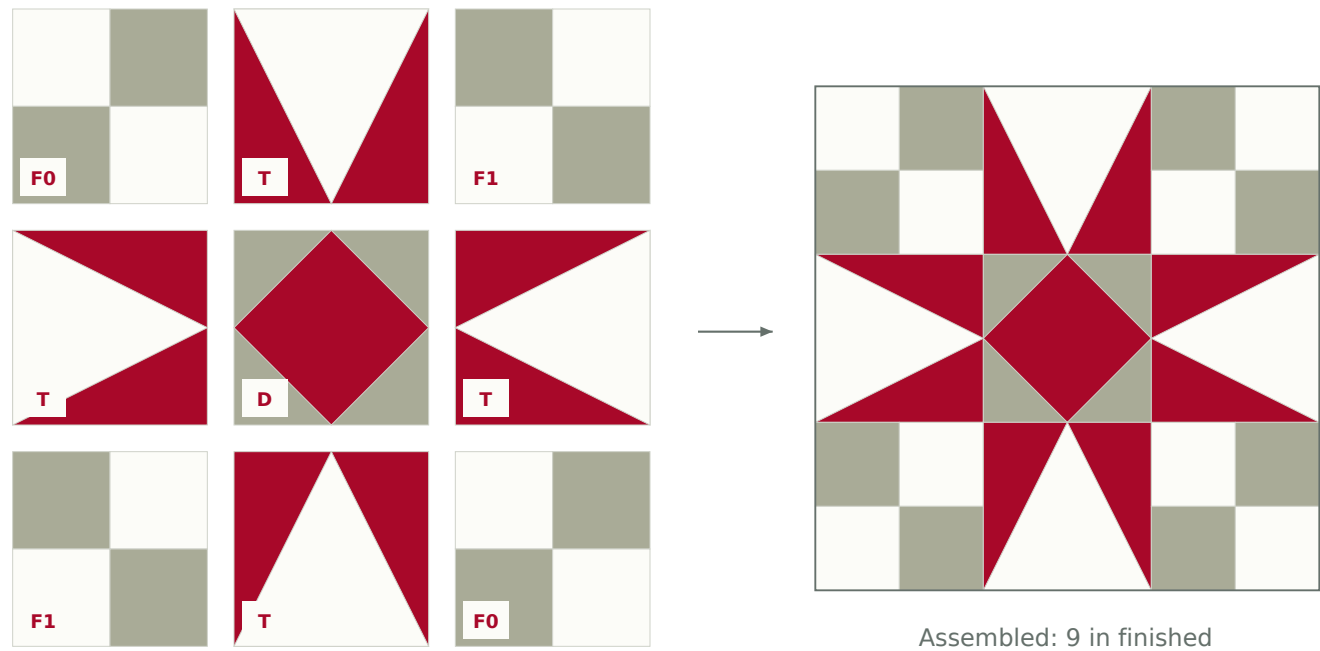
Make 124 HSTs. Each Block B uses four, with the taupe triangle at the outer corner and white facing the center. See page 9 for all four rotations.

Count check

62 fabric pairs x 2 HSTs per pair = 124 HSTs. 31 setting blocks x 4 corners = 124 HSTs.

Star block assembly

Use four F units, four T units and one D unit. All units measure 3 1/2 in unfinished.



Exploded front-view layout

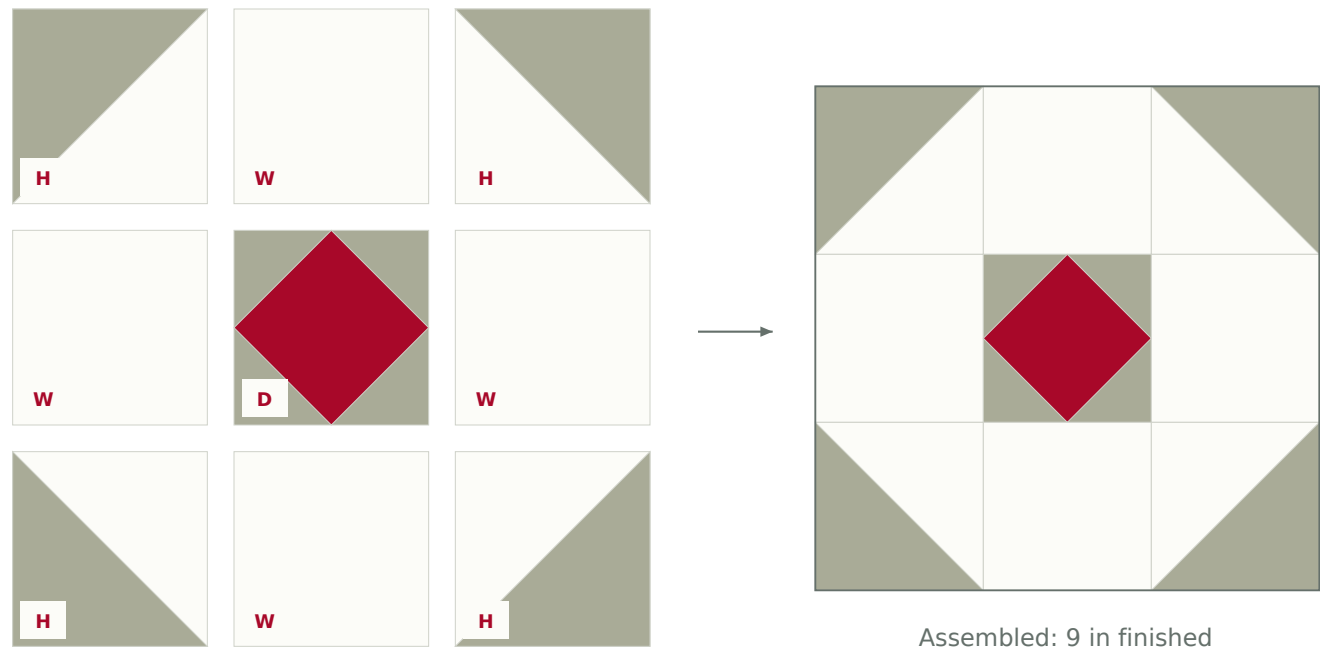
Assembled: 9 in finished

Row	Left	Center	Right
Top	F0	T - white point down	F1
Middle	T - white point right	D	T - white point left
Bottom	F1	T - white point up	F0

1. Arrange the nine units as shown. All four white triangle points face the central diamond; the red side triangles form the eight star points. Check the four-patch rotations before sewing.
2. Sew the units into three rows using accurate 1/4 in seams. Each row measures 9 1/2 x 3 1/2 in. Press row seams open to reduce bulk.
3. Pin at unit intersections, join the rows, then press. The block must measure 9 1/2 x 9 1/2 in unfinished. Preserve 1/4 in beyond the exterior red star tips. Make 32.

Diamond setting block

Use four H units, four plain white squares and one D unit. All units measure 3 1/2 in unfinished.



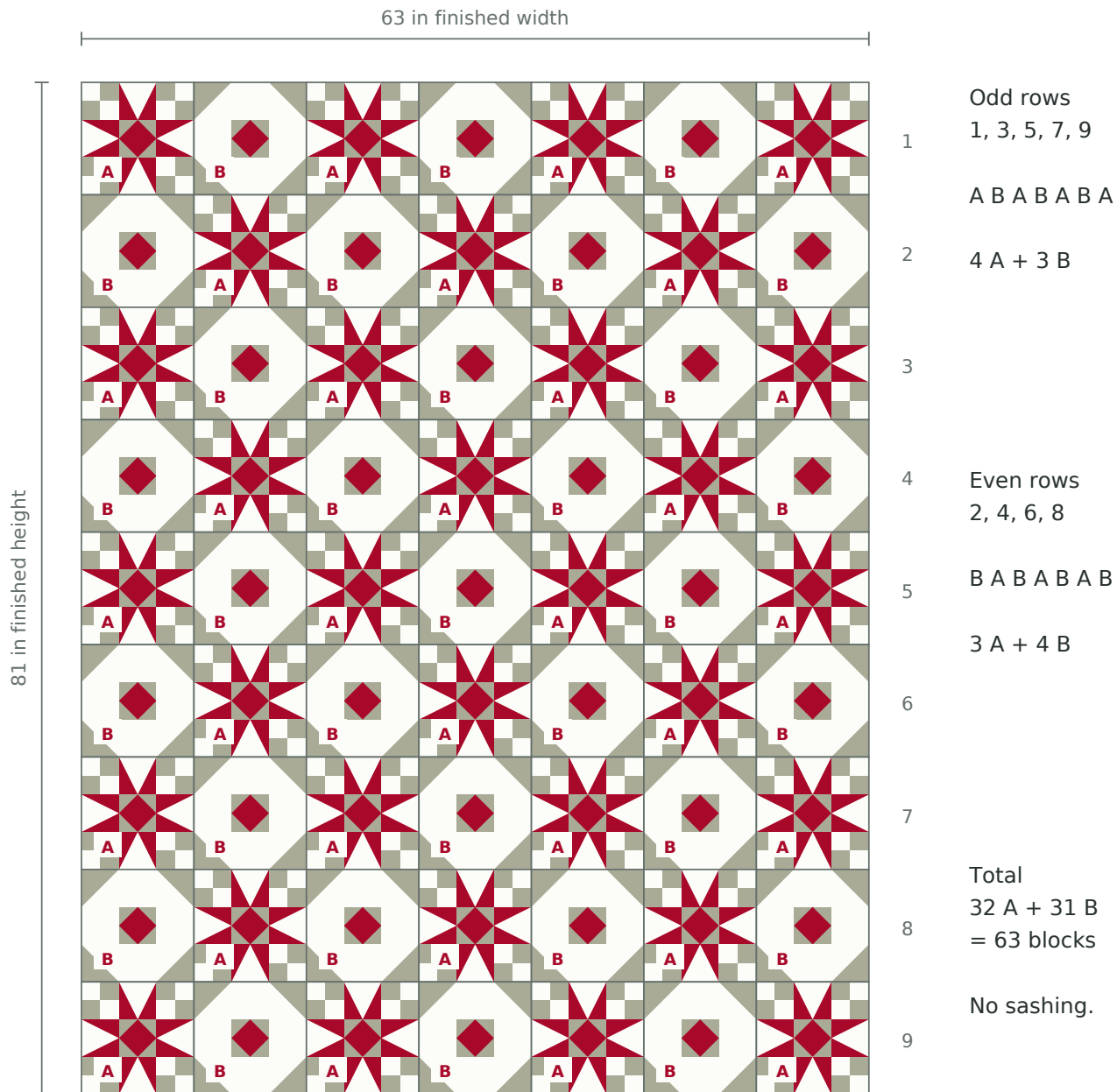
Exploded front-view layout

Row	Left	Center	Right
Top	H - taupe upper left	W	H - taupe upper right
Middle	W	D	W
Bottom	H - taupe lower left	W	H - taupe lower right

1. Lay out the nine units. Every taupe HST triangle points into the outer corner of the block; the white halves surround the central diamond.
2. Join the units into rows. Each row measures 9 1/2 x 3 1/2 in. Press seams open. Sew the three rows together, carefully matching unit intersections.
3. Press and check for a 9 1/2 x 9 1/2 in unfinished block. Make 31. Do not rotate individual corner HSTs away from the illustrated positions.

Assemble the quilt center

Alternate A and B in both directions. All four corners of the center are star blocks.

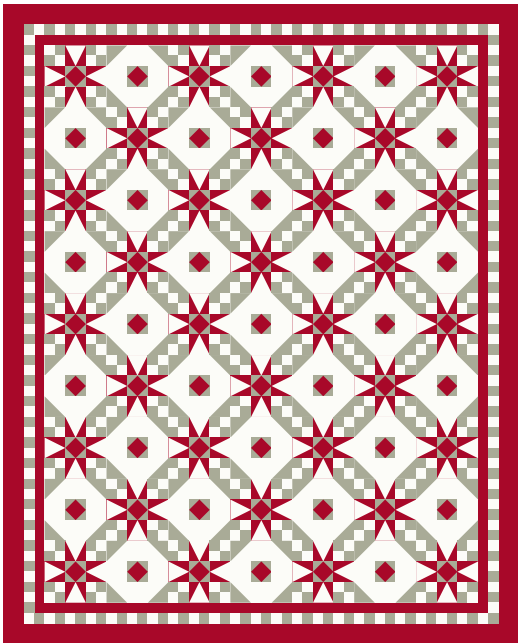


Join seven blocks per row. Each row should measure $63\frac{1}{2} \times 9\frac{1}{2}$ in. Press block seams left in odd rows and right in even rows. Nest and pin the seams, then join the nine rows. Press the long row seams open.

Checkpoint: the center should measure $63\frac{1}{2} \times 81\frac{1}{2}$ in before borders. Correct piecing discrepancies now; the checker border depends on this $1\frac{1}{2}$ in grid.

Border measurements

Attach both side borders first, then the top and bottom, for every border round.



1. Inner red

1 1/2 in finished width
Cut strips 2 in wide.

2. Checker strip

1 1/2 in finished width
Piece from 2 in cut squares.

3. Outer red

3 in finished width
Cut strips 3 1/2 in wide.

Border	Two sides (cut / raw)	Top & bottom (cut / raw)	Top after this round
1 - Inner red	2 x 81 1/2 in	2 x 66 1/2 in	66 1/2 x 84 1/2 in
2 - Checker	2 x 84 1/2 in	2 x 69 1/2 in	69 1/2 x 87 1/2 in
3 - Outer red	3 1/2 x 87 1/2 in	3 1/2 x 75 1/2 in	75 1/2 x 93 1/2 in

Make the red lengths: join the eight 2 in WOF strips end to end with straight 1/4 in seams; press open. Cut two 81 1/2 in and two 66 1/2 in lengths. Separately join the nine 3 1/2 in WOF strips and cut two 87 1/2 in and two 75 1/2 in lengths.

Measure through the center of the quilt at each stage. Pin border and quilt centers, ends and quarter points together. Sew without stretching and press toward the solid red borders. The checker strips are constructed and oriented on page 12.

Do not cut border lengths from an unpressed, stretched edge. If the center is materially off size, fix the seams rather than forcing the exact checker strips to fit.

Keep the checker border continuous

Use 102 taupe and 102 white squares, each cut 2 x 2 in. Each finishes at 1 1/2 in.



Top strip - 46 squares
Left to right: G, W, G, W ... W

Bottom strip - 46 squares
Left to right: W, G, W, G ... G

Left strip - 56 squares
Top to bottom: W, G, W, G ... G

Right strip - 56 squares
Top to bottom: G, W, G, W ... W

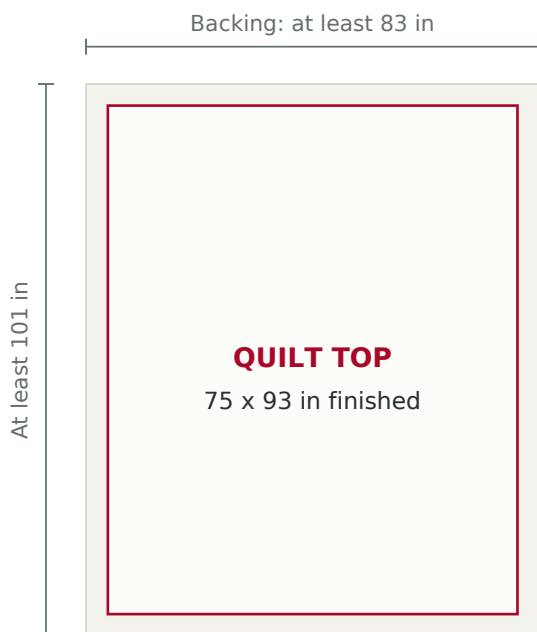
Strip	Squares	Raw size (in)	Color totals
Left / right (each)	56	2 x 84 1/2	28 W + 28 G
Top / bottom (each)	46	2 x 69 1/2	23 W + 23 G
All four	204	See assembly order	102 W + 102 G

Sew one taupe and one white square into a pair. Make 102 pairs, each 2 x 3 1/2 in. Press toward taupe. Join 28 pairs for each side strip and 23 pairs for each horizontal strip. Rotate the strips to match the start and end colors above.

Attach the left and right strips first. Then attach the top and bottom strips; their end squares complete the four corners. Check the alternating colors all the way around before adding the outer red border.

Finish the quilt

Remove every paper foundation before layering. The nominal finished size is 75 x 93 in.



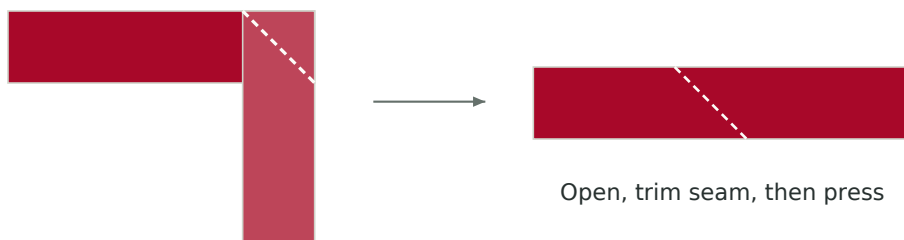
Layer and baste

Prepare backing and batting at least 83 x 101 in, giving about 4 in extra around the finished quilt. Confirm any larger allowance required by your longarm quilter.

Place backing wrong side up, batting next, then the quilt top right side up. Smooth from the center out and baste. Quilt through all layers; follow the batting maker's maximum spacing guidance.

Binding with diagonal joins

Join the ten red 2 1/2 in WOF strips into one length. At each join, overlap the ends at right angles, right sides together. Sew diagonally across the overlap, test-open the join, trim the seam to 1/4 in and press it open. Fold the long strip in half lengthwise, wrong sides together, and press.



Overlap at 90 degrees

Open, trim seam, then press

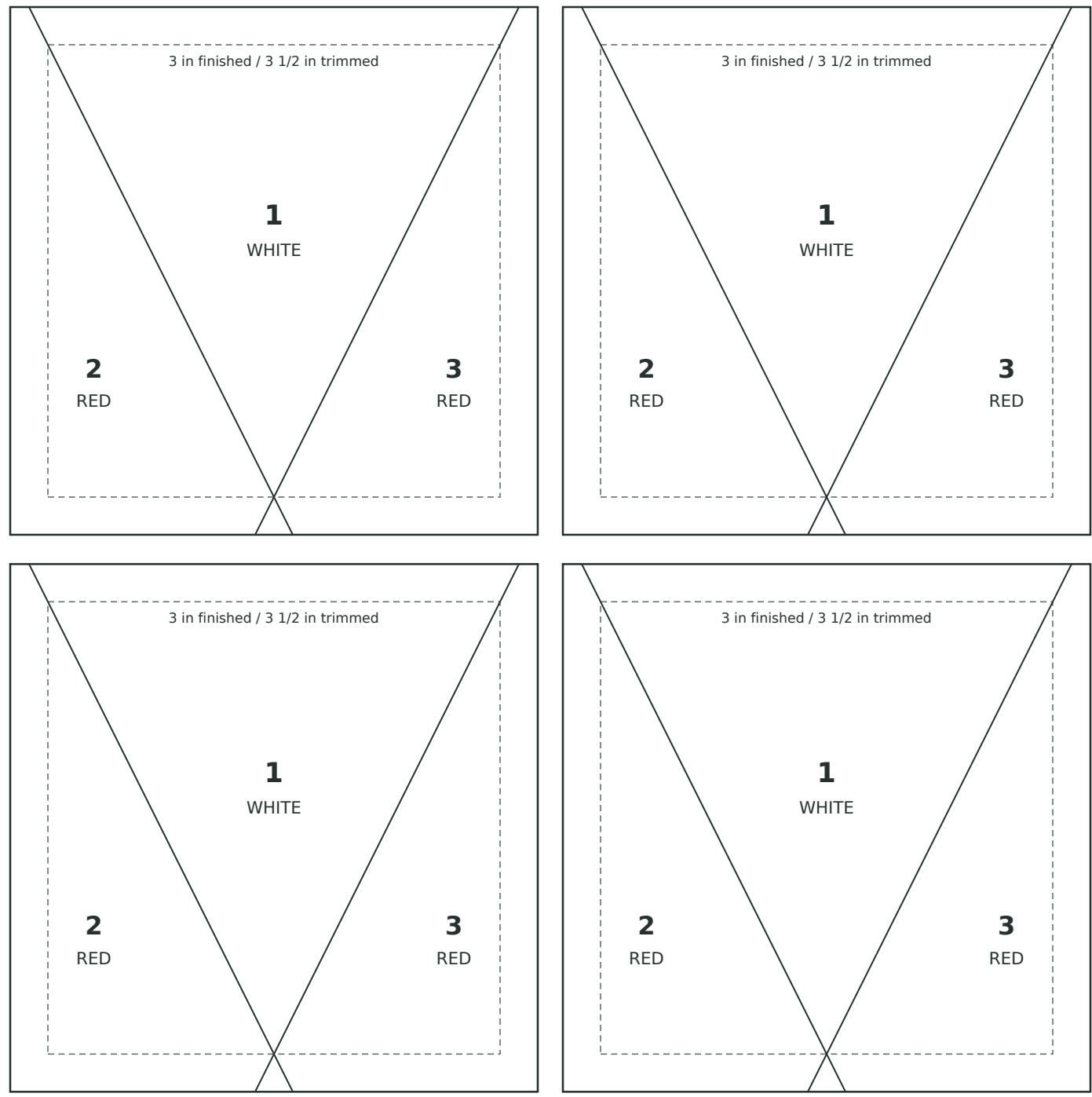
Perimeter:
336 in

Prepared binding:
about 377 1/2 in
from 40 in WOF

After quilting, square the quilt without cutting away the outer-border allowance. Sew binding to the front with a 1/4 in seam, miter the corners, join the final tails to fit, then fold to the back and secure. Finished dimensions may change slightly with quilting and washing.

Star-point foundation sheet

Print this page 32 times for 128 units. Print 100% / Actual Size. Do not select Fit or Shrink.



1 in
test square

Measure before sewing: test square = 1 x 1 in; heavy outer square = 3 1/2 in; dashed inner square = 3 in. Solid sloping lines = sew. Heavy outer line = trim. Dashed square = finished boundary.

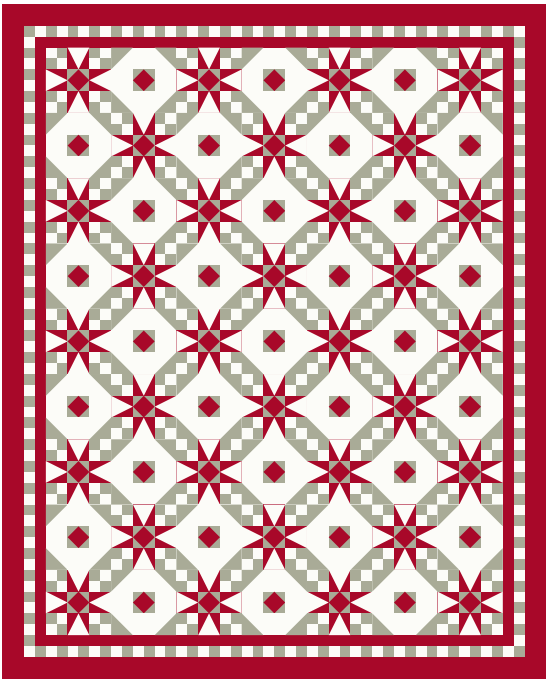
Sew from the printed side. Fabric belongs on the blank side. All four templates are identical; rotate the finished units for Block A.

Match the image; verify the sizes

The source establishes the design. The inch scale and sewing method were calculated for this PDF.



Supplied reference



Reconstructed vector diagram

Checkpoint	Calculation / target
Block count	5 rows x (4 A + 3 B) + 4 rows x (3 A + 4 B) = 32 A + 31 B
Unit count	D 63; F 128; T 128; H 124; plain W 124 = 567 units = 63 x 9
Center dimensions	7 x 9 in = 63 in wide; 9 x 9 in = 81 in long
Finished quilt	63 + 2(1 1/2 + 1 1/2 + 3) = 75 in; 81 + 12 = 93 in
Checker border	2(56) + 2(46) = 204 squares; 102 white + 102 taupe

Metric reference: 1 in = 2.54 cm; 1/4 in = 0.635 cm; 3 in unit = 7.62 cm; 9 in block = 22.86 cm. The full quilt is 190.5 x 236.22 cm before quilting shrinkage. Use inch rulers for the cutting instructions.