

Northern Neighbours

A measured reconstruction of the supplied quilt image



70 x 95 1/2 inches

177.8 x 242.6 cm | 24 leaves | 6 feature blocks

Includes complete cutting schedules, block assembly diagrams and full-size paper foundations. This is an independently drafted reconstruction, not the original designer's instruction booklet.

Before you cut

Use inches as the construction standard. Metric equivalents describe finished sizes only.



SUPPLIED REFERENCE IMAGE

The reference is built around four turning leaves and white flying geese with colored corners. This version preserves that arrangement using regular piecing, paper foundations and a partial-seam block assembly.

Skill level: confident intermediate to advanced.

Seams: 1/4 inch throughout, except the backing.

Finished: size after a unit is sewn into the quilt.

Unfinished: trimmed size with seam allowances.

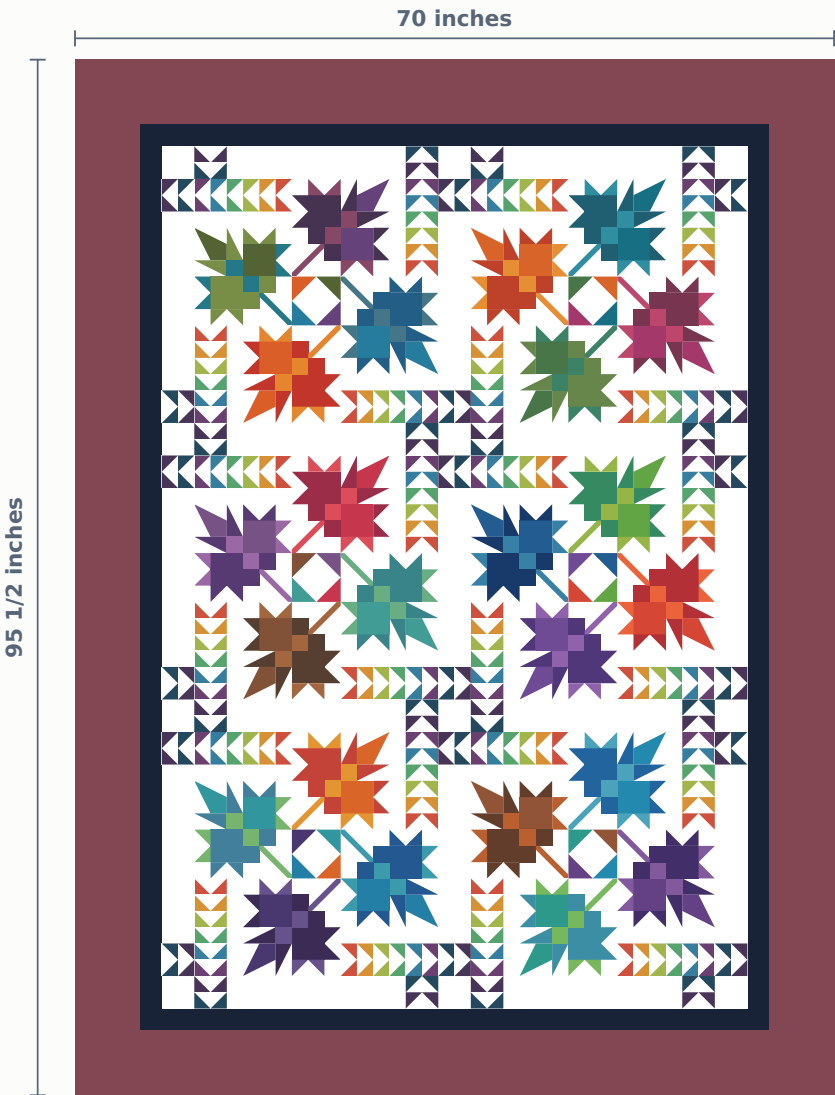
The source photo has no scale. Dimensions and cutting quantities below belong to this reconstruction. The calculations and diagrams have been checked; the pattern has not been test-sewn. Make one complete leaf and one feature block before batch cutting.

Fabric and supplies

Material	Amount	Use / assumption
White or near-white	5 yards (4.6 m)	Background, white geese, sashing middles and cornerstones.
Coordinating batiks	24 fat quarters	One palette bundle per leaf; exchange small pieces for contrast. Minimum usable FQ: 18 x 20 inches.
Dark navy	1 1/2 yards (1.4 m)	Inner border and binding together.
Multicolor outer border	1 3/4 yards (1.6 m)	Non-directional fabric; allow extra for print matching.
Backing	6 yards regular-width OR 3 yards 108-inch wide	Regular-width option assumes at least 40 inches usable width after selvages.
Batting	At least 78 x 103 1/2 inches	Allow 4 inches beyond the quilt on each edge.
Tools	Rotary cutting tools	1/4-inch foot, iron, pins, paper-piecing paper, ruler and thread.

The complete layout

Colored diagrams show finished faces; only pages 14-15 are full-size printing templates.



Component	Finished size
Leaf	9 x 9
Arm	9 x 13 1/2
Feature block	22 1/2 square
Sashing	3 x 22 1/2
Cornerstone	3 square
Pieced center	54 x 79 1/2
Inner border	2 wide
Outer border	6 wide

All sizes in this table are inches. The binding finishes the edge and does not add to the planned top size.

Component inventory

Component	Make	Where it is used
Leaves	24	Four in each of six feature blocks.
Flying geese	212	144 in the feature blocks; 68 in the sashing.
Arms / feature blocks	24 / 6	Four arms spiral around one center square.
Sashing strips	17	Eight horizontal and nine vertical.
White cornerstones	12	Three across each of four sashing rows.

White fabric cutting chart

All entries are raw cut sizes in inches. Oversized foundation patches are marked rough-cut.

Purpose	Cut size	Qty	Construction / result
Small background squares	2 x 2	96	Four per leaf; includes two lobe blanks and two stem-corner blanks.
HST starting squares	2 1/2 square	96	Pair with 96 colored squares to make 192 HSTs; trim to 2 square.
Flying-geese rectangles	2 x 3 1/2	212	One white rectangle per goose.
Leaf-arm spacers	2 x 9 1/2	24	Finish at 1 1/2 x 9.
Beam backgrounds	3 x 4	48	Rough-cut: two per B foundation.
R and T backgrounds	2 1/2 x 4 1/2	48	Rough-cut: one per R and one per T foundation.
Stem backgrounds	4 square	24	Cut each once diagonally for two oversized triangles.
Feature-block centers	5 square	6	Add four colored 2 3/4-inch corner squares.
Sashing middles	3 1/2 x 17	17	Finish at 3 x 16 1/2.
Cornerstones	3 1/2 square	12	Finish at 3 square.

A practical 40-inch WOF strip plan

31 strips at 2 inches: 5 for the 96 small squares, 20 for the 212 goose rectangles, and 6 for the 24 spacers.

12 strips at 2 1/2 inches: 6 for HST starting squares and 6 for the R/T background rectangles.

5 strips at 3 inches: subcut the 48 beam background rectangles.

3 strips at 4 inches: subcut the 24 stem squares.

9 strips at 3 1/2 inches: cut the 17 sashing middles; cut all 12 cornerstones from these strip remainders.

1 strip at 5 inches: cut the six feature-block centers.

Colored fabric cutting chart

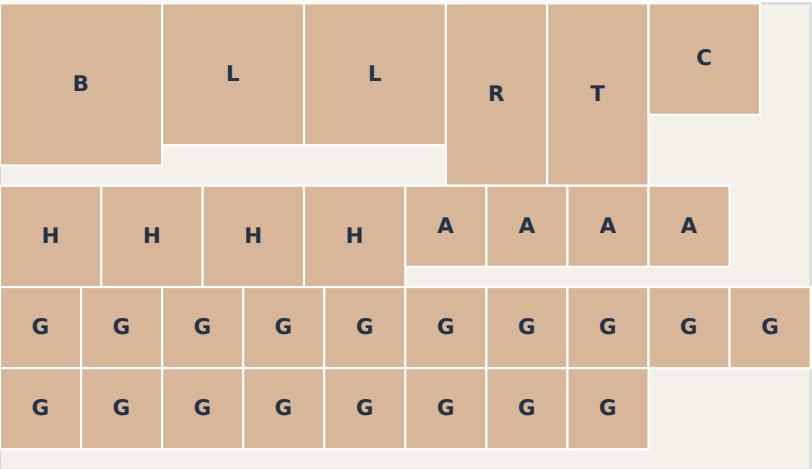
Build 24 leaf bundles. Swap small patches between neighboring bundles for a batik effect.

Leaf patch	Cut size	Per leaf	For 24 leaves
B beam center	4 square	1	24 rough-cut squares
R and T colored patches	2 1/2 x 4 1/2	2	48 rough-cut rectangles
Large lobe centers	3 1/2 square	2	48 squares
HST starting squares	2 1/2 square	4	96 squares
Small body / accent squares	2 square	4	96 squares
Diagonal stem	1 1/4 x 6	1	24 rough-cut strips

Additional colored patches	Cut size	Whole quilt
Flying-geese corners	2 square	424 squares; two per goose.
Feature-block center corners	2 3/4 square	24 squares; four per center.

One fat quarter can supply one bundle plus extra small patches

The example below fits within 20 x 18 usable inches. In addition to one leaf, it includes 18 geese-corner squares and one 2 3/4-inch center corner. Across 24 fat quarters that gives 432 geese corners (8 spare) and all 24 center corners.

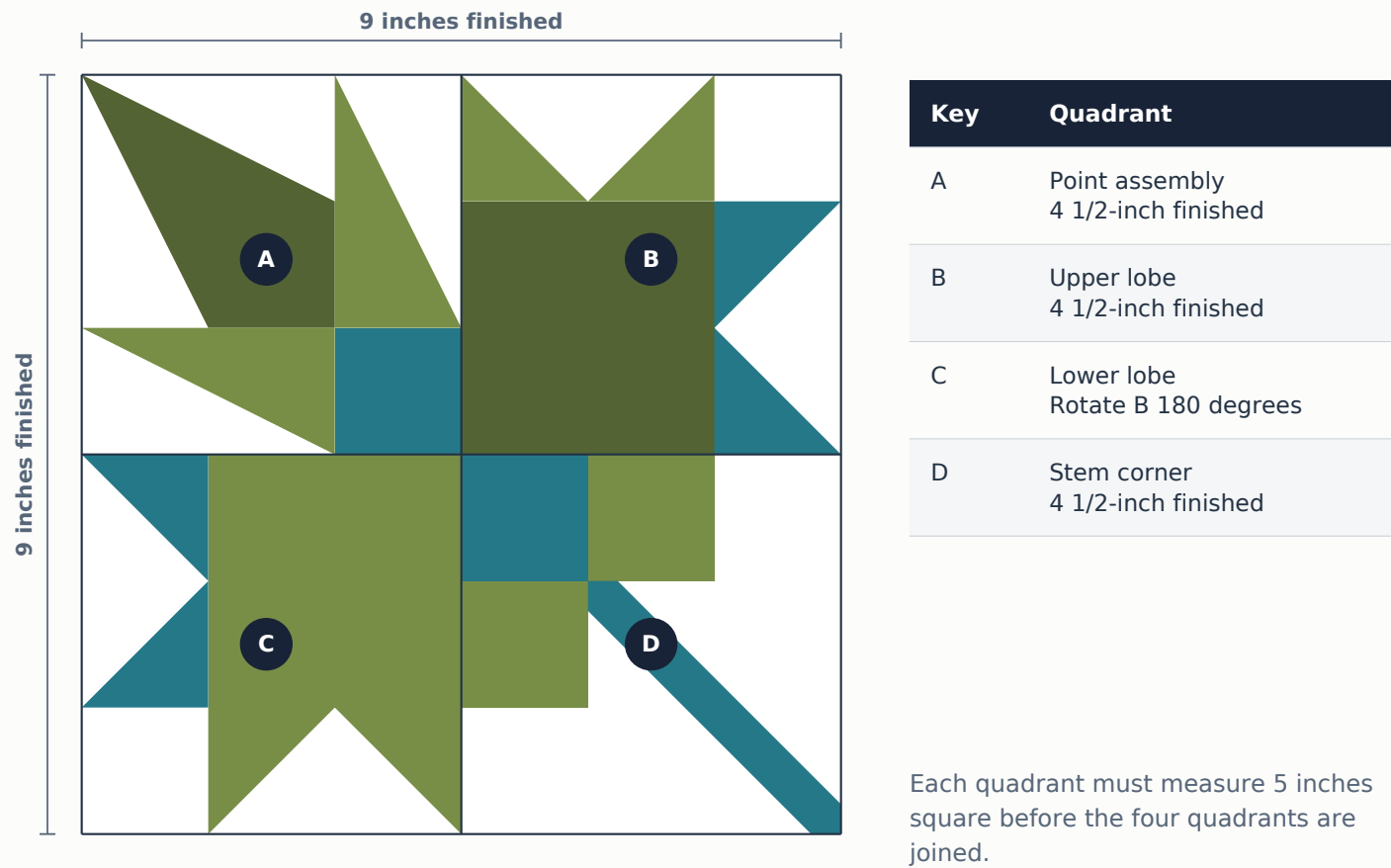


- B = beam
- L = lobe center
- R / T = diagonal points
- C = center corner
- H = HST starter
- A = small leaf square
- G = goose corner

Cut the 1 1/4 x 6 stem strip from the unused lower part of the fat quarter (below this detail).

Leaf block: the construction map

Make 24 leaves. Each leaf finishes at 9 inches and is trimmed to 9 1/2 inches square.



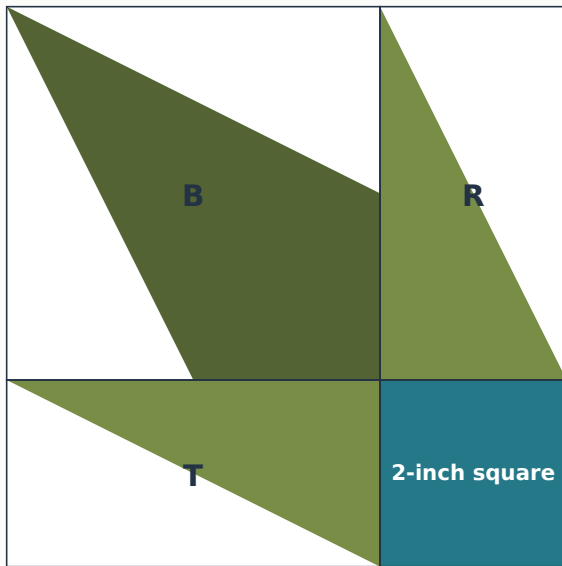
A consistent 1 1/2-inch grid

The smallest finished square is 1 1/2 inches; cut it at 2 inches. A 3-inch unit is trimmed to 3 1/2 inches. Two such grid units form the 3-inch beam or stem unit. Three grid units form a 4 1/2-inch quadrant.

Subunit	Per leaf	Total	Unfinished size
B beam foundation	1	24	3 1/2 square
R vertical point	1	24	2 x 3 1/2
T horizontal point	1	24	3 1/2 x 2
Lobe assembly	2	48	5 square
S stem foundation	1	24	3 1/2 square
HST units	8	192	2 square

A: build the pointed quadrant

Use the printable B, R and T foundations on page 14. Foundation labels are different from quadrant letters.



1. Make one B beam square. Trim its outer line to 3 1/2 inches square.
2. Make one R vertical point, trimmed to 2 x 3 1/2 inches.
3. Make one T horizontal point, trimmed to 3 1/2 x 2 inches. R and T are opposite-handed; do not substitute a rotated R for T.

Join the two rows

Sew B to R to form the upper row; it measures 5 x 3 1/2 inches. Sew T to one colored 2-inch square to form the lower row; it measures 5 x 2 inches. Join these rows. The pointed quadrant measures 5 inches square unfinished. Keep the large diagonal point at the upper-left corner.

Paper-piecing method for all foundations

1. Print the foundation pages at Actual Size / 100%. Measure the test square before cutting fabric. Do not use Fit to Page.
2. Put fabric on the unprinted side. Cover area 1, wrong side against the paper, extending at least 1/4 inch beyond every seam line.
3. Place the next patch right sides together with the previous patch. Fold the paper along the seam, trim the fabric allowance to 1/4 inch, unfold, and sew on the printed line through paper and fabric.
4. Flip and press the added patch. Check coverage against a light before the next seam. Repeat in numbered order.
5. Trim the foundation on the outer cut line only. Leave papers in while adjoining units are sewn; remove them gently before quilting.

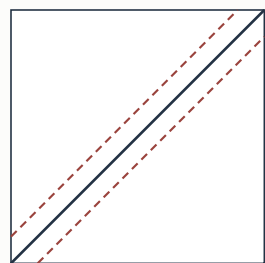
The printable foundations are mirrored for sewing from the paper side. The colored diagrams show the finished fabric side. Their apparent handedness should differ.

B and C: the two lobe quadrants

Make 48 identical lobe units. Rotate one of each pair 180 degrees for the lower-left position.

Make 192 half-square triangles (HSTs)

Pair a colored 2 1/2-inch square with a white 2 1/2-inch square, right sides together. Draw one corner-to-corner diagonal. Sew 1/4 inch on both sides of the line, cut on the line, and press toward the colored fabric. Trim both resulting HSTs to 2 inches square, with the seam on the ruler's 45-degree line. Four pairs make the eight HSTs needed for one leaf.

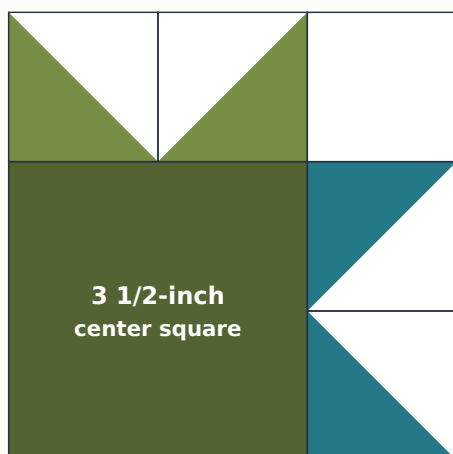


2 1/2-inch pair



Two HSTs, each trimmed to 2 inches

Assemble one lobe

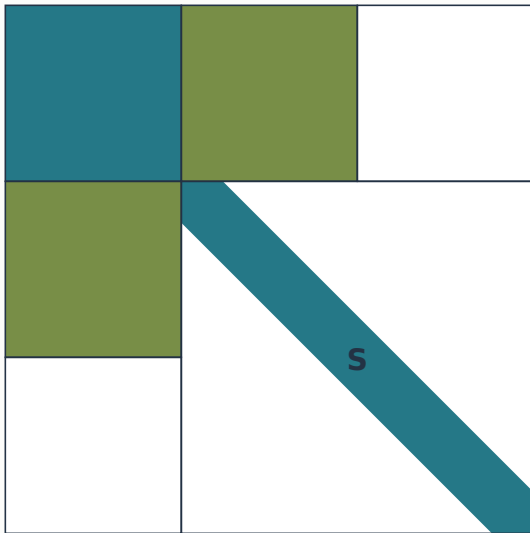


1. Join two HSTs and one white 2-inch square for the top row, following the diagram. Both colored triangles point upward.
2. Join two HSTs vertically. Sew this short strip to the right side of one colored 3 1/2-inch square.
3. Add the top row. Press and check for a 5-inch square.

Each lobe uses four HSTs, one colored 3 1/2-inch square and one white 2-inch square. Set one lobe in the upper-right leaf position; turn the second 180 degrees and set it in the lower-left position. Follow the colored faces, not the direction of a cut edge.

D: the stem corner and leaf finish

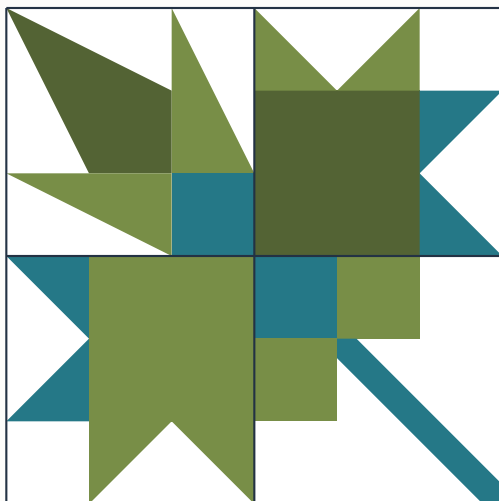
Use the S foundation on page 15 for a 3-inch finished stem square with a 1/2-inch-wide diagonal stem.



1. Paper-piece S with one colored 1 1/4 x 6-inch strip and the two triangles from one white 4-inch square. Trim S to 3 1/2 inches square.
2. Join one colored and one white 2-inch square vertically; put the colored square on top. Add this strip to the left of S.
3. Join colored / colored / white 2-inch squares for the top row. Add above the lower section.

The completed stem quadrant measures 5 inches square. The stem runs from the upper-left corner of S to its lower-right corner. Keep the two plain white squares at the outer right and lower edges as shown.

Finish the 9-inch leaf



Sew A to B for the top row. Sew C to D for the bottom row, checking that C is rotated 180 degrees from B. Each row measures 9 1/2 x 5 inches.

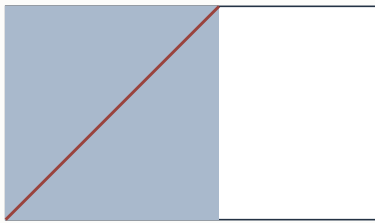
Press row seams in opposite directions, or open if the intersections are bulky. Join the rows with a 1/4-inch seam. The leaf measures 9 1/2 inches square unfinished.

Make all leaves in this same orientation first. Rotate the completed leaves when building the four arms; there is no need to mirror an entire leaf block. See pages 10-11 for the rotations.

Flying geese and leaf arms

Make 212 white-center flying geese: 144 for feature-block arms and 68 for sashing end caps.

For one goose, use a white $2 \times 3\frac{1}{2}$ -inch rectangle and two colored 2-inch squares. Place one colored square on the left end, right sides together. Mark and sew a diagonal from lower-left to upper-right. Trim the outside corner $\frac{1}{4}$ inch beyond the seam; flip and press. Repeat on the right end with the opposite diagonal. Keep the white center triangle intact.



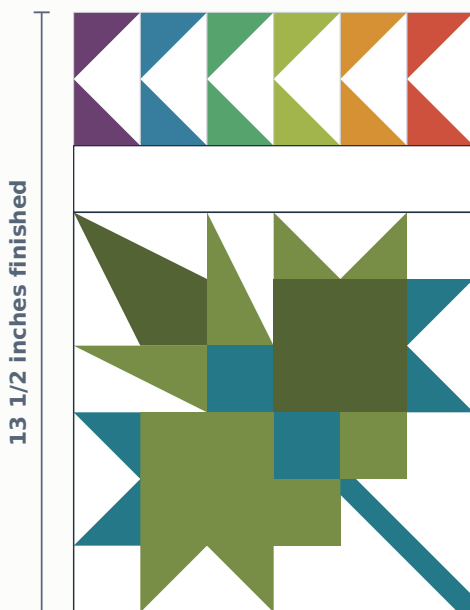
Sew the first diagonal



Trim to $2 \times 3\frac{1}{2}$ inches

The white triangle is the goose. Leave a $\frac{1}{4}$ -inch allowance above its point. All directions in this pattern describe the direction in which the WHITE triangle points.

Build one base arm; make 24

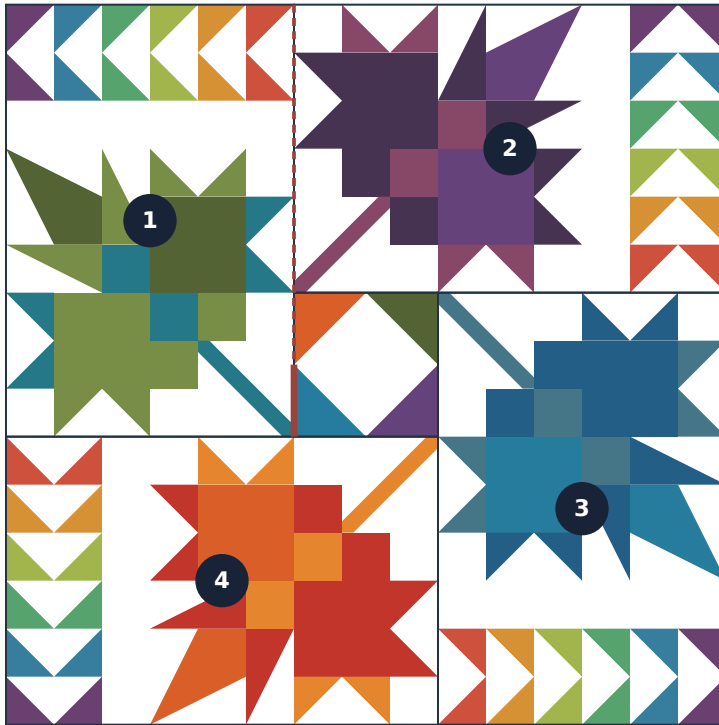


1. Turn six geese to point left and join them side by side. The strip measures $9\frac{1}{2} \times 3\frac{1}{2}$ inches.
2. Sew one white $2 \times 9\frac{1}{2}$ -inch spacer beneath the geese. The combined strip measures $9\frac{1}{2} \times 5$ inches.
3. Add one $9\frac{1}{2}$ -inch leaf below the spacer, with the main point at upper-left. The arm measures $9\frac{1}{2} \times 14$ inches unfinished.

For each feature block, use four different leaf palettes. Keep the goose fabrics arranged from cool to warm, or follow the reference colors on page 16.

Join four arms into a feature block

Make six feature blocks. Each finishes at 22 1/2 inches square (23 inches unfinished).



Arm rotations

1. Left: base orientation.
2. Top: 90 degrees clockwise.
3. Right: 180 degrees.
4. Bottom: 270 degrees clockwise.

The stems all point toward the center diamond.

Red solid line: first partial seam.

Red dashed line: finish this seam after the last arm is attached.

Prepare the center square

Start with one white 5-inch square. Place a colored 2 3/4-inch square on a corner, right sides together. Sew its diagonal, trim the outside corner to a 1/4-inch seam allowance, then flip and press. Repeat at all four corners. Adjacent corner patches overlap before trimming; this is intentional. The center remains 5 inches square, with a white diamond finishing at the edge midpoints.

Partial-seam assembly: no Y-seams

1. Place the center against the lower 5-inch portion of arm 1's right edge. Align their bottom raw edges. Start at the bottom of the center and sew upward for about 2 inches; backstitch. Leave the upper part of this seam open.
2. Add arm 4 along the bottom. Its upper long edge joins the bottom of arm 1 and the bottom of the center.
3. Add arm 3 down the right side. Its left long edge joins the right edges of the center and arm 4.
4. Add arm 2 across the upper-right opening. Its lower long edge joins the top edges of the center and arm 3. Move the loose upper part of arm 1 aside.
5. Finish arm 1's remaining right-edge seam, joining it to arm 2 and the rest of the center. Overlap the first stitching by several stitches. Press and check the block at 23 inches square.

Sashing and pieced-center assembly

Sashing extends the geese across the joins. Keep all six feature blocks in the same orientation.

Make 17 sashing strips

Join two geese in a vertical stack, both white points facing the same way. The end cap measures 3 1/2 inches square. Make 34 end caps from the remaining 68 geese. Sew one end cap to each end of a white 3 1/2 x 17-inch middle. Each complete sash measures 3 1/2 x 23 inches.



For the 8 horizontal sashes, point the left end-cap geese down and the right end-cap geese up. For the 9 vertical sashes, rotate that entire horizontal sash 90 degrees clockwise: the top points left and the bottom points right.

Assemble seven rows

K	H	K	H	K
V	F1	V	F2	V
K	H	K	H	K
V	F3	V	F4	V
K	H	K	H	K
V	F5	V	F6	V
K	H	K	H	K

K = white cornerstone
H = horizontal sash
V = vertical sash
F = feature block

Four narrow rows:
K + H + K + H + K

Three block rows:
V + F + V + F + V

Each narrow row measures 54 1/2 x 3 1/2 inches; each block row measures 54 1/2 x 23 inches. Alternate the rows as shown and join with 1/4-inch seams. The completed center must measure 54 1/2 x 80 inches unfinished.

Borders, backing and binding

Measure through the center in three places and use the average before cutting each pair of borders.

Fabric	WOF strips	Nominal joined cuts	Result after attachment
Inner navy	8 at 2 1/2 wide	2 sides: 2 1/2 x 80 2 top/bottom: 2 1/2 x 58 1/2	58 1/2 x 84 unfinished 58 x 83 1/2 finished
Outer multicolor	8 at 6 1/2 wide	2 sides: 6 1/2 x 84 2 top/bottom: 6 1/2 x 70 1/2	70 1/2 x 96 unfinished 70 x 95 1/2 finished
Navy binding	10 at 2 1/2 wide	Join diagonally for at least 351 usable inches.	Double-fold binding; perimeter is 331 inches.

For both borders, join WOF strips with straight 1/4-inch seams and press seams open. Cut the long side borders first; sew to opposite sides. Then cut and add the top and bottom borders. The strip quantities assume 40 usable inches and straight joins. Diagonal border joins need extra fabric.

Backing and quilting

Regular-width backing: cut two 104-inch lengths from 6 yards of fabric. After removing selvages, each must be at least 40 inches wide. Join the long edges with a 1/2-inch seam allowance; press open. The backing is about 79 x 104 inches, which can be trimmed to 78 x 103 1/2 inches.

Wide backing: from 3 yards of 108-inch-wide fabric, cut a single piece at least 78 x 103 1/2 inches.

Remove all foundation paper. Press the top, layer backing, batting and quilt top, and baste. Quilt as desired, keeping the leaf points flat. Trim the quilt sandwich square while preserving a consistent seam allowance at the edges.

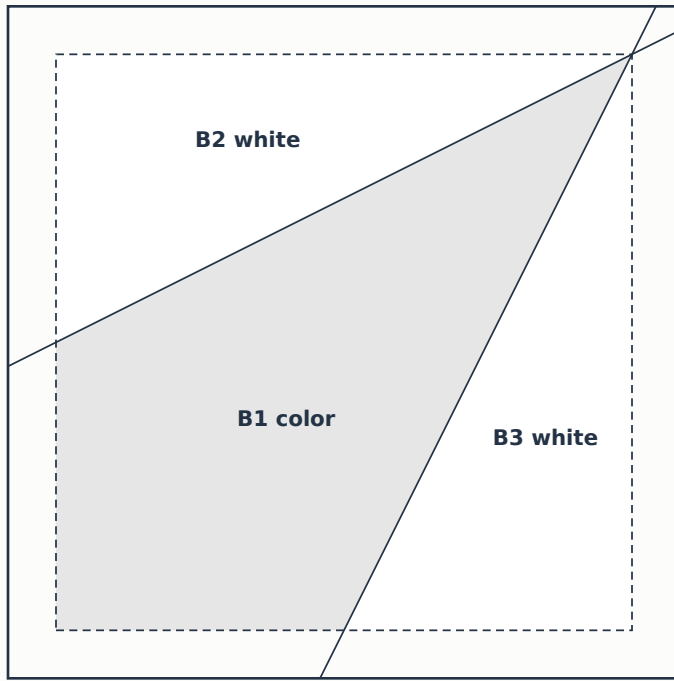
Bind and finish

Join the ten binding strips with diagonal seams. Trim joins to 1/4 inch and press open. Fold the strip lengthwise, wrong sides together. Attach with a 1/4-inch seam, miter the corners, join the ends, and finish the folded edge on the back. The planned finished size is 70 x 95 1/2 inches; quilting and washing may reduce it slightly.

Full-size foundations: B, R and T

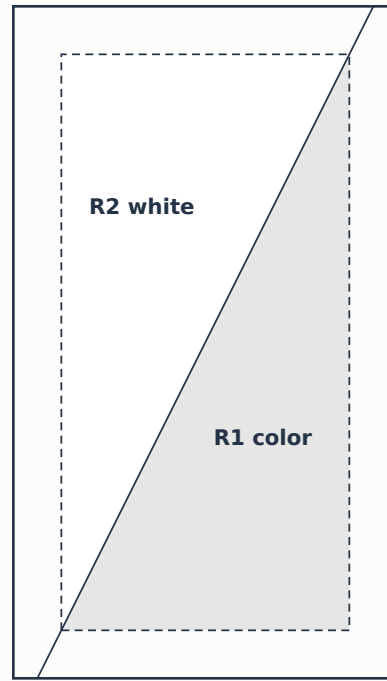
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B: beam



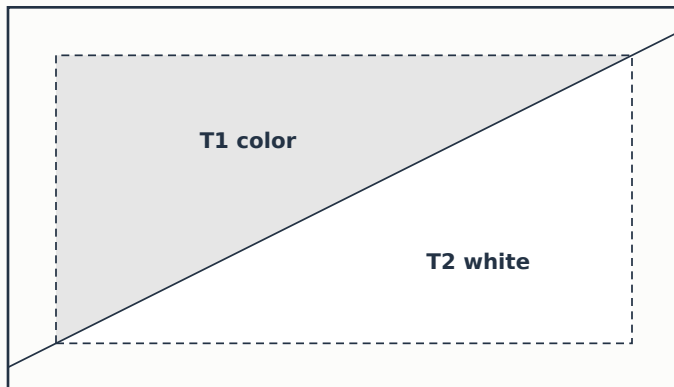
Cut 3 1/2 x 3 1/2; finishes at 3 x 3 inches.

R: vertical point



Cut 2 x 3 1/2 inches.

T: horizontal point



Cut 3 1/2 x 2; finishes at 3 x 1 1/2 inches.



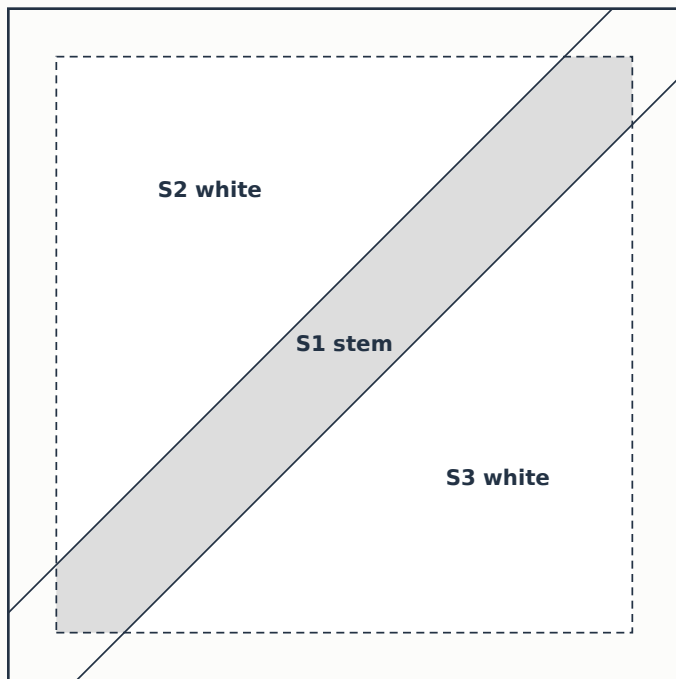
The test square must measure exactly 1 x 1 inch (25.4 x 25.4 mm). Check both directions.

Solid outer rectangle = cut line. Dashed rectangle = finished boundary. All internal lines are sewing lines and already extend through the seam allowance. The 1/4-inch outside allowance is included. Do not add another allowance.

Full-size foundation: S stem

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S: diagonal stem



Cut 3 1/2 square; finishes at 3 square.

**1 INCH
TEST**

For one S unit
1 colored strip:
1 1/4 x 6 inches

1 white 4-inch square, cut once diagonally
for two triangles.

Sewing order and alignment

Cover S1 with the colored strip; the strip's long axis follows the diagonal. Add the two white triangles in the order S2 then S3. Each patch must cover its full numbered area and the surrounding 1/4-inch seam allowance. Press and trim on the outer cut rectangle.

The printed stem slopes the opposite way from the finished fabric-side stem in the diagram on page 9. This is intentional: the paper is viewed from the back. The visible stem width is 1/2 inch measured perpendicular to its long axis.

Before making the remaining 23 units, turn the test unit fabric-side up and confirm that its stem runs from upper-left to lower-right. Its trimmed size must be 3 1/2 inches square.

Use page 14 for the B, R and T foundations. Keep a separate set of unsewn master pages. Photocopy or reprint at 100%; confirm the test square every time the printer settings change.

Color placement and final checkpoints

Leaf numbers below correspond to the finished fabric side. Colors are suggestions drawn from the reference.



B#	W / left	N / top	E / right	S / lower
1	1 Olive	2 Purple	3 Blue	4 Orange
2	5 Orange	6 Teal	7 Berry	8 Green
3	9 Violet	10 Red	11 Aqua	12 Brown
4	13 Blue	14 Lime	15 Red	16 Violet
5	17 Aqua	18 Orange	19 Blue	20 Plum
6	21 Brown	22 Blue	23 Purple	24 Green

Use the numbered placement map to retain the reference's turning-leaf arrangement. Fabrics and seam placement in this reconstruction are independently specified; printed batik details will vary.

Measure before moving to the next step

Checkpoint	Required size	Quantity
HST / flying goose	2 square / 2 x 3 1/2	192 / 212
Beam or stem unit	3 1/2 square	24 of each
Leaf quadrant / whole leaf	5 square / 9 1/2 square	96 / 24
Arm / feature block	9 1/2 x 14 / 23 square	24 / 6
Sash / cornerstone	3 1/2 x 23 / 3 1/2 square	17 / 12
Pieced center	54 1/2 x 80	1
Bordered top, before binding	70 1/2 x 96	1

Reference: image supplied by the user. Pattern title retained from its filename. All text, cutting calculations and vector diagrams in this guide were newly prepared for this measured reconstruction.