



Free Spirit 

Into the Deep Quilt

Featuring Mariana by Rachel Hauer

Collection: Mariana by Rachel Hauer

Technique: Foundation Paper Pieced




Skill Level: Intermediate

Finished Sizes:
Finished Size:
72" x 84" (1.83m x 2.13m)
Finished Block Size:
12" x 12" (30.48cm x 30.48cm)

All possible care has been taken to assure the accuracy of this pattern. We are not responsible for printing errors or the manner in which individual work varies. Please read the instructions carefully before starting this project. If kitting, it is recommended a sample is made to confirm accuracy.

Project designed by Rachel Hauer | Tech edited by Alison M. Schmidt

Fabric Requirements

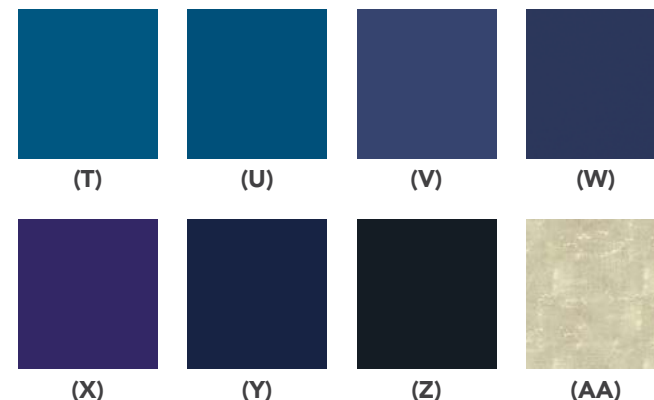
DESIGN	COLOR	ITEM ID	YARDAGE	
(A) Coral Critters	MULTI	PWRH072.MULTI	1 yard (0.91m)	
(B) Jellyfish Jamboree	MULTI	PWRH073.MULTI	2/3 yard (0.61m)	
(C) Coral Cascade	RED	PWRH074.RED	1/2 yard (0.46m)	
(D) Anglers Abound	BLACK	PWRH075.BLACK	1/2 yard (0.46m)	
(E) Horseshoe Holiday	AQUA	PWRH076.AQUA	5/8 yard (0.57m)	
(F) Plankton Party	MULTI	PWRH077.MULTI	5/8 yard (0.57m)	
(G) Noble Nautilus	PINK	PWRH078.PINK	1 1/4 yards (1.14m)	
(H) Scallops by the Seashore	AQUA	PWRH079.AQUA	7/8 yard (0.80m)	
(I) Anemones	GOLDEN	PWRH080.GOLDEN	1/2 yard (0.46m)	
(J) Artful Anchovy	TEAL	PWRH081.TEAL	1 yard (0.91m)	
(K) Kelp	GREEN	PWRH082.GREEN*	3/4 yard (0.69m)	
(L) Mermaid's Purse	TEAL	PWRH083.TEAL	1 1/4 yards (1.14m)	
(M) Hermit Crab Hideaway	MULTI	PWRH084.MULTI	7/8 yard (0.80m)	
(N) Gentle Giants	AQUA	PWRH085.AQUA	7/8 yard (0.80m)	
(O) Designer Essential Solid	GLACIER	CSFSESS.GLACI	1/4 yard (0.23m)	
(P) Designer Essential Solid	DEWDROP	CSFSESS.DEWDROP	1/4 yard (0.23m)	
(Q) Designer Essential Solid	LEGENDARY	CSFSESS.LEGENDARY	3/8 yard (0.34m)	
(R) Designer Essential Solid	SERPENT	CSFSESS.SERPA	1/2 yard (0.46m)	
(S) Designer Essential Solid	STORMY	CSFSESS.STORMY	5/8 yard (0.57m)	

continued on next page...

Fabric Requirements (continued...)

DESIGN	COLOR	ITEM ID	YARDAGE
(T) Designer Essential Solid	PEACOCK	CSFSESS.PEACO	$\frac{3}{4}$ yard (0.69m)
(U) Designer Essential Solid	MINERAL	CSFSESS.MINER	$\frac{3}{4}$ yard (0.69m)
(V) Designer Essential Solid	CELESTIAL	CSFSESS.CELESTIAL	$\frac{5}{8}$ yard (0.57m)
(W) Designer Essential Solid	FREEDOM BLUE	CSFSESS.FREBLU	$\frac{1}{2}$ yard (0.46m)
(X) Designer Essential Solid	DIVA	CSFSESS.DIVAX	$\frac{3}{8}$ yard (0.34m)
(Y) Designer Essential Solid	NAVY	CSFSESS.NAVY	$\frac{1}{4}$ yard (0.23m)
(Z) Designer Essential Solid	DARK NAVY	CSFSESS.DARKNAVY	$\frac{1}{4}$ yard (0.23m)
(AA) Cracked Shadow	QUARTZ	PWTH128.QUARTZ	$\frac{7}{8}$ yard (0.80m)

* includes binding



Backing (Purchased Separately)

44" (1.12m) wide

Cracked Shadow
(4.80m)

OR

108" (2.74m) wide

(2.17m)

JADE

PWTH128.JADE

5 $\frac{1}{4}$ yards

2 $\frac{3}{8}$ yards



Backing
44"

Additional Recommendations

- 100% cotton thread in colors to match
- 80" x 92" (2.03m x 2.34m) batting
- 168 copies each of Foundations A and B
- 42 copies of Foundation C
- Optional: Add-A-Quarter ruler, seam roller

Cutting

Note: Read pattern all the way through before beginning. This pattern assumes a knowledge of foundation paper piecing. Depending on your preferred technique, your desired cut sizes may differ, so consider making test units with scraps before beginning this project. Directional prints (**Fabrics D, G, H, J, and N**) will be cut so that they remain right-reading in their final assembly.

WOF = Width of Fabric

HST = Half-square Triangle

QST = Quarter-square Triangle

HRT = Half-rectangle Triangle

From Fabric A, cut:

- (2) $4\frac{1}{4}"$ x WOF; subcut
 - (10) $4\frac{1}{4}"$ x $4\frac{1}{4}"$, then cut on one diagonal to yield (20) HSTs
 - (5) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (4) $3\frac{3}{4}"$ x WOF; subcut
 - (20) $6\frac{3}{4}"$ x $3\frac{3}{4}"$
- (3) $2\frac{5}{8}"$ x WOF; subcut
 - (40) $2\frac{5}{8}"$ x $2\frac{5}{8}"$, then cut on one diagonal to yield (80) HSTs

From Fabric B, cut:

- (1) $4\frac{1}{4}"$ x WOF; subcut
 - (6) $4\frac{1}{4}"$ x $4\frac{1}{4}"$, then cut on one diagonal to yield (12) HSTs
 - (3) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (3) $3\frac{3}{4}"$ x WOF; subcut
 - (12) $6\frac{3}{4}"$ x $3\frac{3}{4}"$
- (2) $2\frac{5}{8}"$ x WOF; subcut
 - (24) $2\frac{5}{8}"$ x $2\frac{5}{8}"$, then cut on one diagonal to yield (48) HSTs

From Fabrics C and I, cut from each:

- (5) $2\frac{5}{8}"$ x WOF; cut (84) $2\frac{1}{4}"$ x $2\frac{1}{4}"$

From Fabric D, cut:

- (1) $6\frac{3}{4}"$ x WOF; cut
 - (2) $3\frac{3}{4}"$ x $6\frac{3}{4}"$ (vertical)
 - (2) $6\frac{3}{4}"$ x $3\frac{3}{4}"$ (horizontal)
- (1) $4\frac{1}{4}"$ x WOF; cut
 - (2) $4\frac{1}{4}"$ x $4\frac{1}{4}"$, then cut 1 on one diagonal and the other on the opposite diagonal to yield (4) HSTs
 - (1) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (1) $2\frac{5}{8}"$ x WOF; cut
 - (8) $2\frac{5}{8}"$ x $2\frac{5}{8}"$, then cut 4 on one diagonal and the other 4 on the opposite diagonal to yield (16) HSTs

From Fabrics E and F, cut from each:

- (1) $4\frac{1}{4}"$ x WOF; subcut
 - (4) $4\frac{1}{4}"$ x $4\frac{1}{4}"$ sub cut on one diagonal to yield (8) HSTs
 - (2) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (2) $3\frac{3}{4}"$ x WOF; subcut
 - (8) $6\frac{3}{4}"$ x $3\frac{3}{4}"$
- (2) $2\frac{5}{8}"$ x WOF; subcut
 - (16) $2\frac{5}{8}"$ x $2\frac{5}{8}"$ sub cut on one diagonal to yield (32) HSTs

From Fabric G, cut:

- (2) $6\frac{3}{4}"$ x WOF; subcut
 - (12) $3\frac{3}{4}"$ x $6\frac{3}{4}"$ (vertical)
 - (4) $6\frac{3}{4}"$ x $3\frac{3}{4}"$ (horizontal)
- (2) $4\frac{1}{4}"$ x WOF; subcut
 - (12) $4\frac{1}{4}"$ x $4\frac{1}{4}"$, then cut 6 on one diagonal and the other 6 on the opposite diagonal to yield (24) HSTs
 - (6) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (2) $3\frac{3}{4}"$ x WOF; subcut
 - (8) $6\frac{3}{4}"$ x $3\frac{3}{4}"$ (for a total of 12 horizontal rectangles)
- (4) $2\frac{5}{8}"$ x WOF; subcut
 - (48) $2\frac{5}{8}"$ x $2\frac{5}{8}"$, then cut 24 on one diagonal and the other 24 on the opposite diagonal to yield (96) HSTs

From Fabrics H and N, cut from each:

- (1) $6\frac{3}{4}"$ x WOF; subcut
 - (8) $3\frac{3}{4}"$ x $6\frac{3}{4}"$
- (1) $4\frac{1}{4}"$ x WOF; subcut
 - (8) $4\frac{1}{4}"$ x $4\frac{1}{4}"$, then cut 4 on one diagonal and the other 4 on the opposite diagonal to yield (16) HSTs
- (2) $3\frac{3}{4}"$ x WOF; subcut
 - (8) $6\frac{3}{4}"$ x $3\frac{3}{4}"$
 - (4) $3\frac{3}{4}"$ x $3\frac{3}{4}"$
- (3) $2\frac{5}{8}"$ x WOF; subcut
 - (32) $2\frac{5}{8}"$ x $2\frac{5}{8}"$ then cut 16 on one diagonal and the other 16 on the opposite diagonal to yield (64) HSTs

From Fabric J, cut:

- (1) $6\frac{3}{4}$ " x WOF; subcut
(10) $3\frac{3}{4}$ " x $6\frac{3}{4}$ "
- (2) $4\frac{1}{4}$ " x WOF; subcut
(10) $4\frac{1}{4}$ " x $4\frac{1}{4}$ ", then cut 5 on one diagonal and the other 5 on the opposite diagonal to yield (20) HSTs
(5) $3\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (2) $3\frac{3}{4}$ " x WOF; subcut
(10) $6\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (3) $2\frac{5}{8}$ " x WOF; subcut
(40) $2\frac{5}{8}$ " x $2\frac{5}{8}$ ", then cut 20 on one diagonal and the other 20 on the opposite diagonal to yield (80) HSTs

From Fabric K:

- (9) $2\frac{1}{2}$ " x WOF for binding

From Fabric L, cut:

- (2) $4\frac{1}{4}$ " x WOF; subcut
(12) $4\frac{1}{4}$ " x $4\frac{1}{4}$ ", then cut on one diagonal to yield (24) HSTs
(6) $3\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (5) $3\frac{3}{4}$ " x WOF; subcut
(24) $6\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (4) $2\frac{5}{8}$ " x WOF; subcut
(48) $2\frac{5}{8}$ " x $2\frac{5}{8}$ ", then cut on one diagonal to yield (96) HSTs

From Fabric M, cut:

- (1) $4\frac{1}{4}$ " x WOF; cut
(8) $4\frac{1}{4}$ " x $4\frac{1}{4}$ " sub cut on one diagonal to yield (16) HSTs
- (4) $3\frac{3}{4}$ " x WOF; cut
(16) $6\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (4) $3\frac{3}{4}$ " x $3\frac{3}{4}$ "
- (3) $2\frac{5}{8}$ " x WOF; cut
(32) $2\frac{5}{8}$ " x $2\frac{5}{8}$ " sub cut on one diagonal to yield (64) HSTs

From Fabrics O and Z, cut from each:

- (1) $4\frac{1}{2}$ " x WOF; cut
(8) $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (16) HRTs
- (1) 3" x WOF; cut
(4) 3" x 3", then cut on both diagonals to yield (16) QSTs

From Fabrics P and Y, cut from each:

- (1) $4\frac{1}{2}$ " x WOF; cut
(16)* $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (32) HRTs
- (1) 3" x WOF; cut
(8) 3" x 3", then cut on both diagonals to yield (32) QSTs

From Fabrics Q and X, cut from each:

- (2) $4\frac{1}{2}$ " x WOF; cut
(24) $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (48) HRTs
- (1) 3" x WOF; cut
(12) 3" x 3", then cut on both diagonals to yield (48) QSTs

From Fabrics R and W, cut from each:

- (2) $4\frac{1}{2}$ " x WOF; cut
(32)* $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (64) HRTs
- (2) 3" x WOF; cut
(16) 3" x 3", then cut on both diagonals to yield (64) QSTs

From Fabrics S and V, cut from each:

- (3) $4\frac{1}{2}$ " x WOF; cut
(40) $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (80) HRTs
- (2) 3" x WOF; cut
(20) 3" x 3", then cut on both diagonals to yield (80) QSTs

From Fabrics T and U, cut from each:

- (4) $4\frac{1}{2}$ " x WOF; cut
(48) $2\frac{5}{8}$ " x $4\frac{1}{2}$ ", then cut on one diagonal to yield (96) HRTs
- (2) 3" x WOF; cut
(24) 3" x 3", then cut on both diagonals to yield (96) QSTs

From Fabric AA:

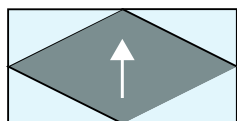
- (6) $4\frac{1}{2}$ " x WOF; cut
(42) $4\frac{1}{2}$ " x $4\frac{1}{2}$ ", then cut on both diagonals to yield (168) QSTs

*if you are short a few $2\frac{5}{8}$ " x $4\frac{1}{2}$ " rectangles when cutting from $4\frac{1}{2}$ " x WOF strips, the remainder can be cut from the leftover 3" x WOF strips.

Instructions

- Foundation paper piece a total of 168 of Foundation A: Diamond-in-a-Rectangle using the table and diagram below for fabric pieces, placement and quantities. Follow the grainline arrows on the foundation for Section A1 to place the rectangles correctly for all units. For directional prints (**Fabrics D, G, H, J, and N**), choose pieces and arrange so that all units will be right-reading when the block is complete, as shown by the white arrows.

Fig. 1

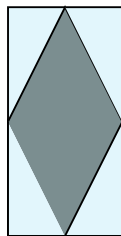


Foundation

Unit A:

Block 1

Make 2 with print
right-reading when horizontal
(directional prints only)



Foundation

Unit A:

Block 1

Make 2 with print
right-reading
when vertical

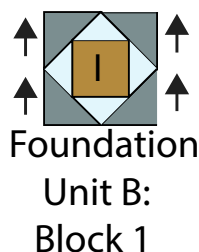
Foundation A: Diamond-in-a-Rectangle

Block	Section A1 Fabric (3 3/4" x 6 3/4")	Sections A2 – A5 Fabric (2 5/8" x 4 1/2" HRTs)	Quantity
1	N	O	4*
2	E	P	8
3	N	Q	12*
4	H	R	16*
5	J	S	20*
6	L	T	24
7	G	U	24*
8	A	V	20
9	M	W	16
10	B	X	12
11	F	Y	8
12	D	Z	4*

*For directional prints, make half the quantity with print right-reading when horizontal, and the other half with print right-reading when vertical.

2. Foundation paper piece a total of 168 of Foundation B: Small Economy Unit using the table and diagram below for fabric pieces, placement and quantities. For directional prints (**Fabrics D, G, H, J, and N**), arrange so that all sections will be right-reading when the unit is complete, as shown by the black arrows.

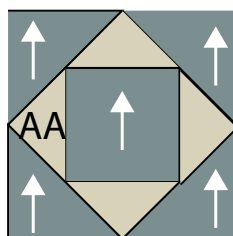
Fig. 2



Foundation B: Small Economy Unit				
Block	Section B1 Fabric (2 1/4" x 2 1/4")	Sections B2- B5 Fabric (3" QST)	Sections B6- B9 Fabric (2 5/8" HST)	Quantity
1	I	O	N	4
2		P	E	8
3		Q	N	12
4		R	H	16
5		S	J	20
6		T	L	24
7	C	U	G	24
8		V	A	20
9		W	M	16
10		X	B	12
11		Y	F	8
12		Z	D	4

3. Foundation paper piece a total of 42 of Foundation C: Large Economy Unit using the table and diagram below for fabric pieces, placement and quantities. For directional prints (**Fabrics D, G, H, J, and N**), arrange so that all sections will be right-reading when the unit is complete, as shown by the white arrows.

Fig. 3



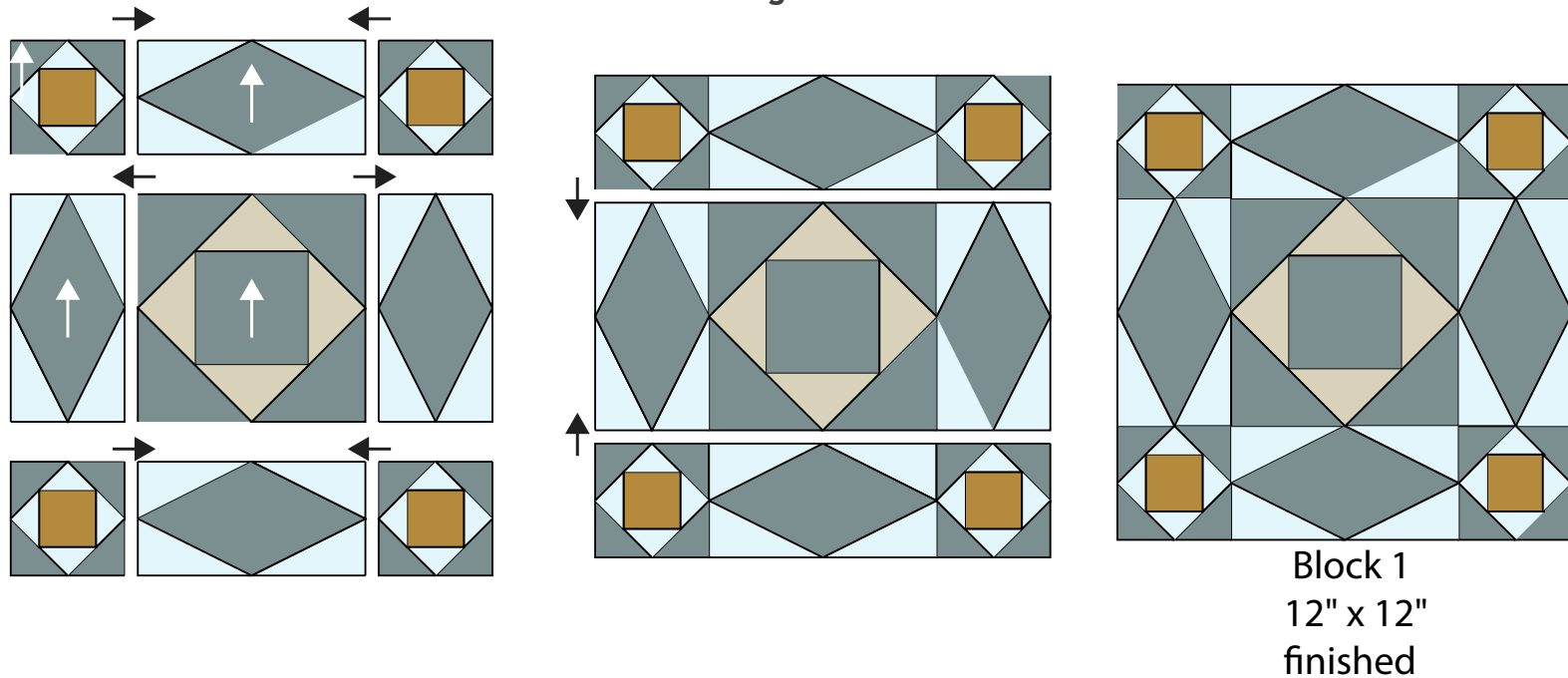
Foundation
Unit C:
Block 1

Foundation C: Large Economy Unit				
Block	Section C1 Fabric (3 3/4" x 3 3/4")	Sections C2 – C5 Fabric (4 1/2" QST)	Sections C6 - C9 Fabric (4 1/4" HST)	Quantity
1	N	AA	N	1
2	E		E	2
3	N		N	3
4	H		H	4
5	J		J	5
6	L		L	6
7	G		G	6
8	A		A	5
9	M		M	4
10	B		B	3
11	F		F	2
12	D		D	1

4. If desired at this point, trim all the completed foundations along the outside solid line, and gently remove the papers. Or wait to remove all the papers until blocks are completed.
5. Arrange 4 each Block 1 A and B Units and 1 Block 1 C Unit together, in 3 rows of 3 as shown, making sure all directional print pieces are oriented so motifs are right-reading. Sew units into rows, pressing in the direction of the arrows, then sew rows together to complete Block 1. Repeat to make Blocks 2 -12, referring to the table below for the quantities of blocks to make. If the papers are still in the blocks, remove them now.

Block #	Quantity
1, 12	1
2, 11	2
3, 10	3
4, 9	4
5, 8	5
6, 7	6

Fig. 4



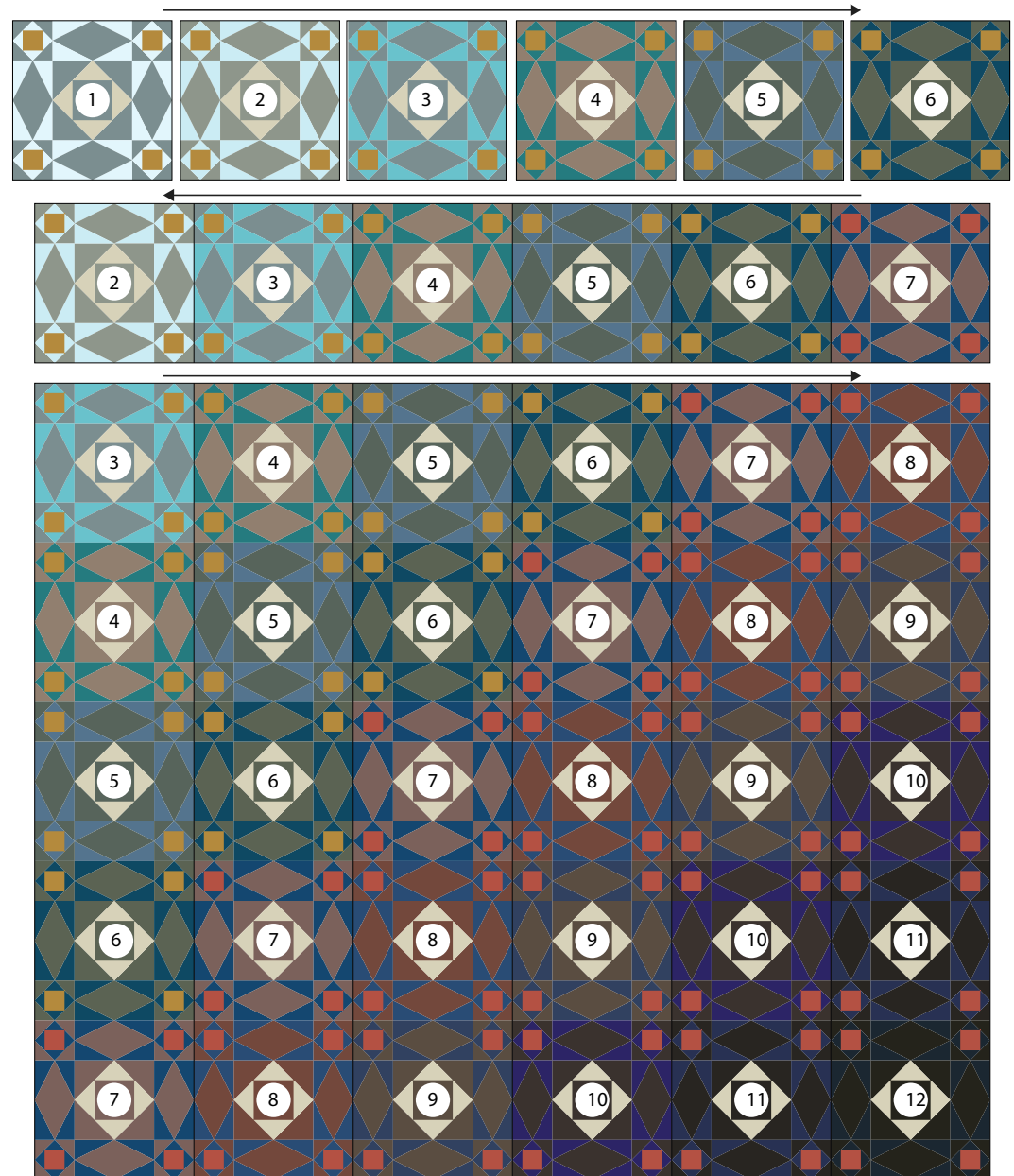
Quilt Top Assembly

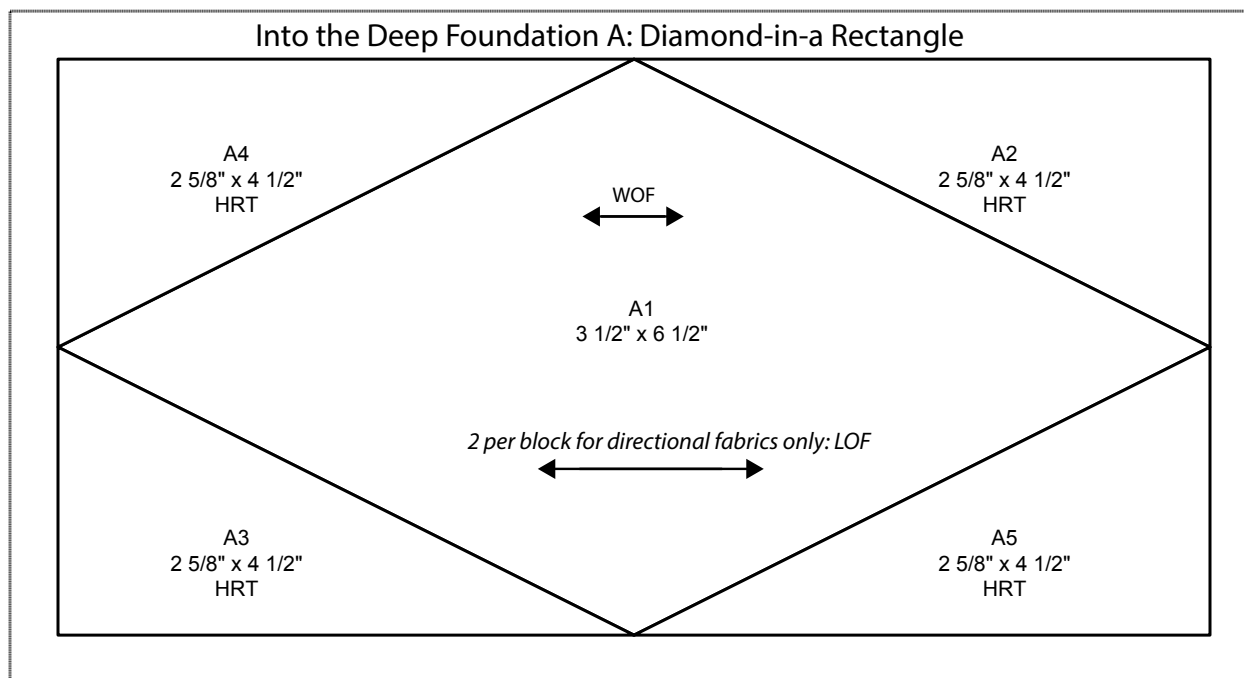
6. Refer to the **Quilt Layout** diagram to arrange the blocks in 7 rows of 6 blocks each, making sure to orient blocks with directional prints so all are right-reading.
7. Sew blocks into rows, pinning to match seam allowances. Press seam allowances in each row in the same direction, and alternate direction from row to row so seams will nest.
8. Sew the rows together to complete the quilt top.

Finishing

9. Sew together the 2½" **Fabric K** binding strips end-to-end using diagonal seams. Press seams open. Press the binding strip in half wrong sides together.
10. Layer backing (wrong side up), batting, and quilt top (right side up). Baste the layers together and quilt as desired. Trim excess batting and backing even with the top after quilting is completed.
11. Leaving an 8" tail of binding, sew the binding to the top of the quilt through all layers matching all raw edges. Miter corners. Stop approximately 12" from where you started. Lay both loose ends of binding flat along quilt edge. Where the loose ends meet, fold them back on themselves and press to form a crease. Using this crease as your stitching line, sew the two open ends of the binding right sides together. Trim seam to ¼" and press open. Finish sewing binding to quilt.
12. Turn the binding to the back of quilt and hand-stitch in place.

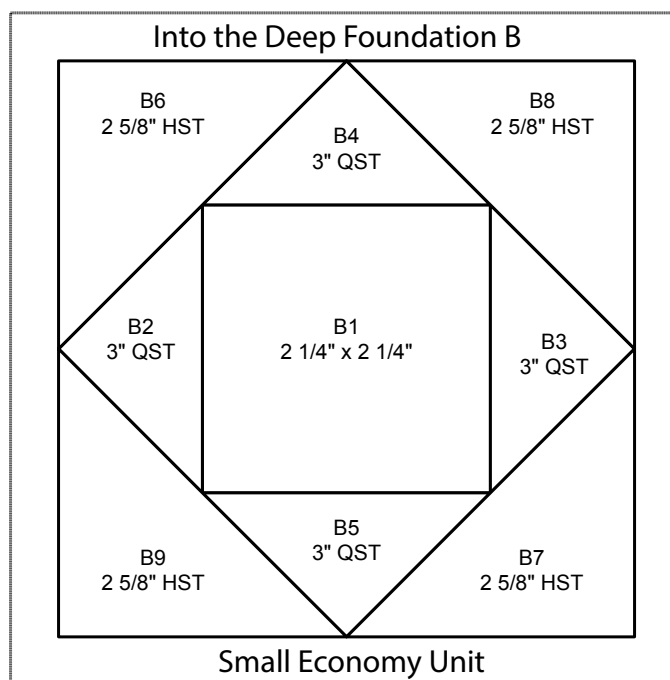
Quilt Layout





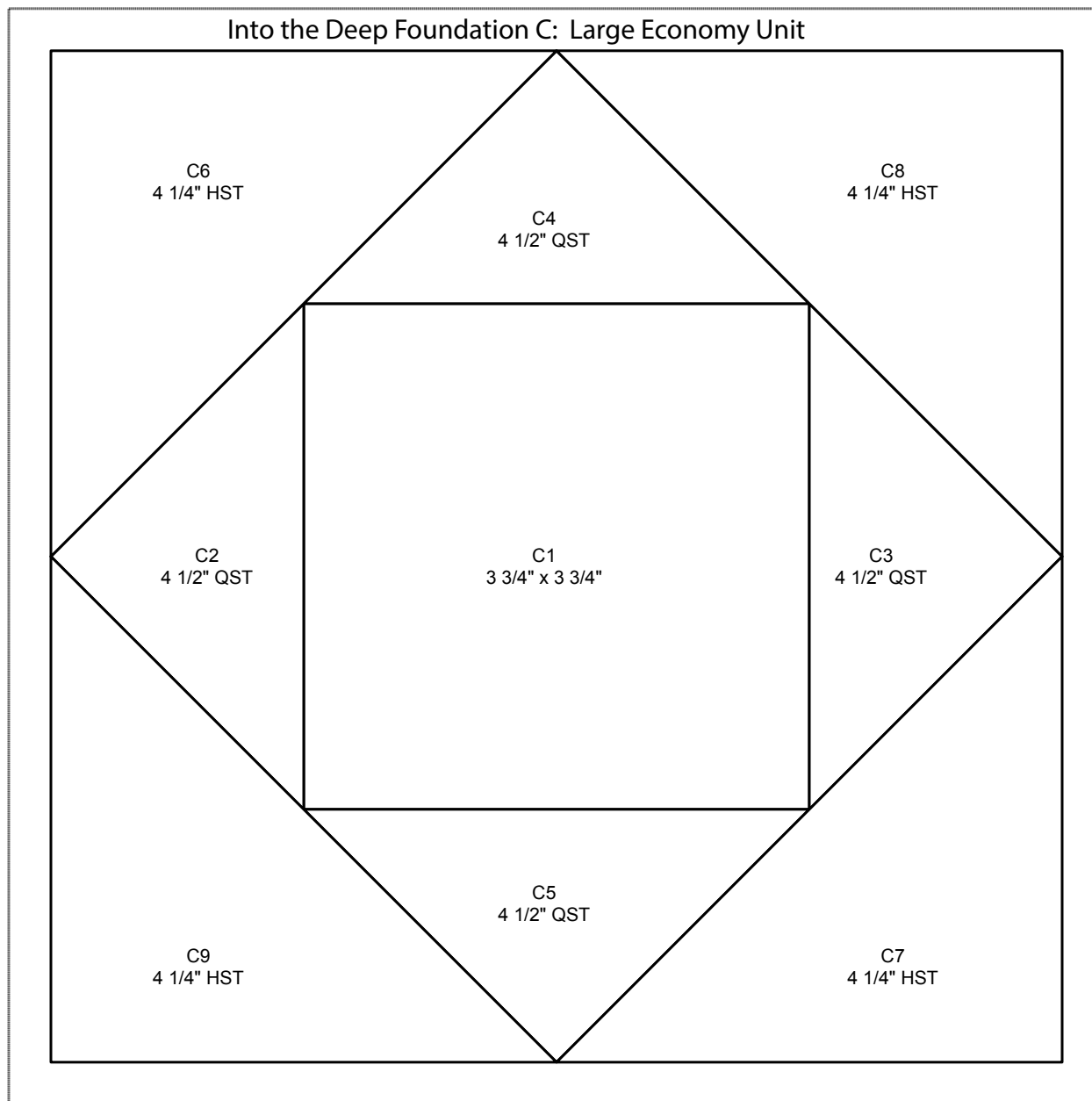
This square should
measure 1" x 1"
(2.54cm x 2.54cm)
when printed.

*** Measure templates before cutting to confirm printing at 100%***



This square should
measure 1" x 1"
(2.54cm x 2.54cm)
when printed.

***** Measure templates before cutting to confirm printing at 100%*****



This square should measure 1" x 1" (2.54cm x 2.54cm) when printed.

*** Measure templates before cutting to confirm printing at 100%***