

# CACTUS DIAMOND INSTRUCTIONS

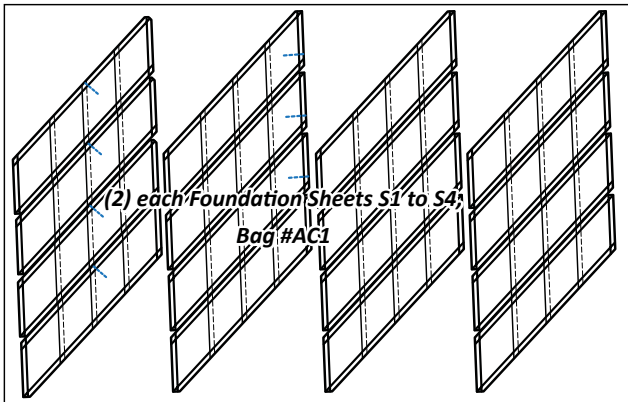
**Ziploc Storage Bags:** You will need (3) bags to complete the organization for these instructions. Label the bags (#AC1 to #AC3).

- Bag #AC1: (2) each Foundation Sheet S1, S2, S3, S4, Strip Template S-1, & T-Temps A-1 and A-2.
- Bag #AC2: (8) Unit A1 foundation papers and associated Templates & TLS
- Bag #AC3: (8) Unit A2 Papers and foundation papers and associated Templates & TLS

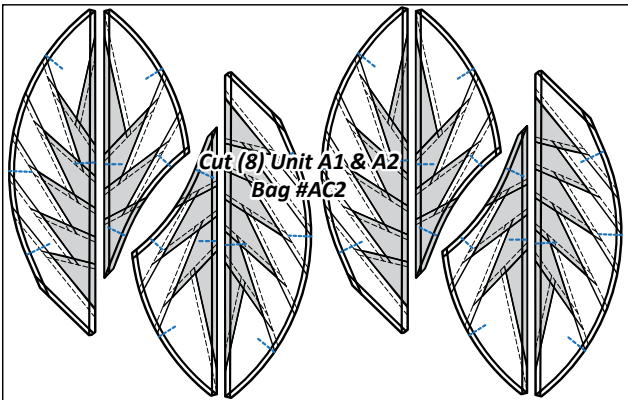
## ► Preparing the Foundation Papers:

**Foundation Papers:** This pattern includes enough foundation papers to complete (1) 65-3/8" diameter star.

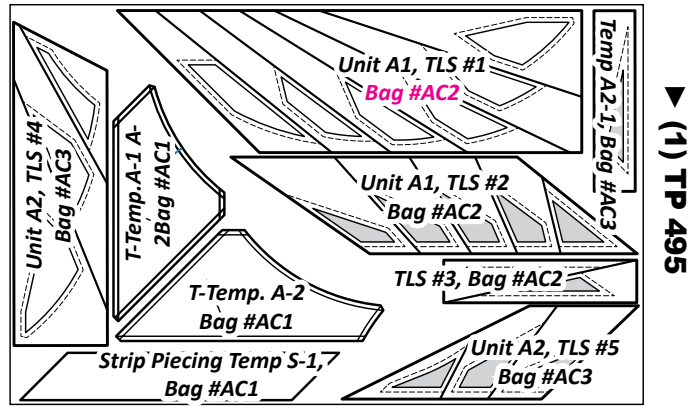
Cut out (2) each of the Foundation Sheets S1 to S4 [NP 681]. (8) each Unit A1 & A2 [NP 682], (1) each of the T-Templates & TLS [TP 495]. See the following newsprint graphics for the corresponding bag information for each of your units and templates. Make sure you are working with the Group AC Bags that you pre-labeled for this pattern. *\*Refer back to General Information for Foundation papers and templates for additional instructions on how to prepare your foundation papers and templates.*



► (2) NP 681



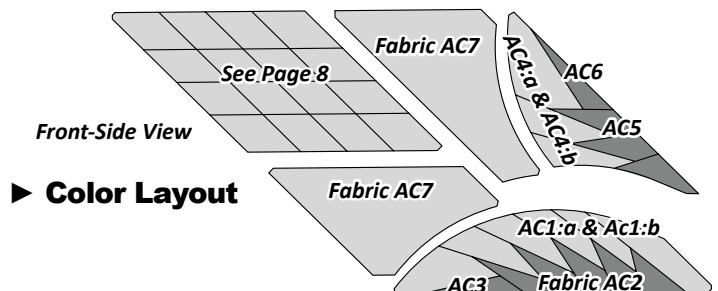
► (2) NP 682



## ► Cactus Diamond Fabric Information:

The table below includes yardage, fabric numbers, and a reference to which fabrics go with the Templates and TLS for Unit A1 & A2. (Table for the Lone Star found on Page 8). This table is your guide for not only selecting your own colors, but keeping you organized. Don't forget to cut a swatch of your chosen fabric to paste in the box in the Assigned Colors column! This will help you stay organized!

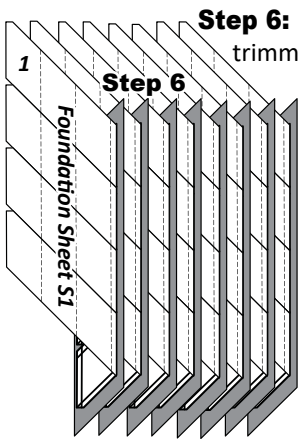
Unit A1 & A2: Make (8)		
GROUP-A FABRIC #	YARDAGE INCH	ASSIGNED COLOR
Fabric AC1:a Unit A1 TLS #1	1/2 yd or (17")	FABRIC SWATCH
Fabric AC1:b Unit A1 TLS #1	1/2 yd or (17")	FABRIC SWATCH
Fabric AC2 Unit A1 TLS #2	5/8 yd or (21")	FABRIC SWATCH
Fabric AC3 Unit A1 TLS #3	1/8 yd or (2-1/2")	FABRIC SWATCH
Fabric AC4:a Unit A2 TLS #4	3/8 yd or (10 1/2")	FABRIC SWATCH
Fabric AC4:b Unit A2 TLS #4	3/8 yd or (10 1/2")	FABRIC SWATCH
Fabric AC5 Unit A2 TLS #5	3/8 yd or (10-1/2")	FABRIC SWATCH
Fabric AC6 Unit A2 (Temp A2-1)	1/8 yd or (4-1/2")	FABRIC SWATCH
Fabric AC7 (T-Temp A-1 & A-2)	1-1/4 yd or (42")	FABRIC SWATCH



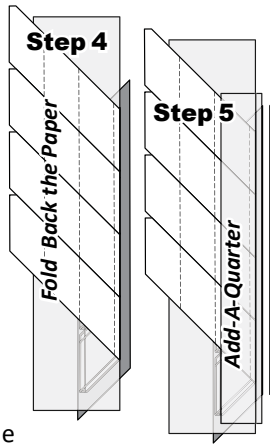
## ► Color Layout

**Step 4:** Fold the paper back over the top of the fold template.

**Step 5:** Place the *Add-A-Quarter* ruler next to the folded back paper lip-side down and trim the fabric with your rotary cutter.



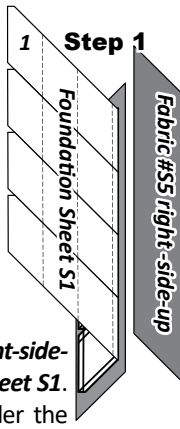
**Step 6:** Repeat the trimming process in the previous steps, on each **Foundation Sheet**. Stack the papers as you trim starting with Paper #8 on the bottom, ending with Paper #1 on the top.



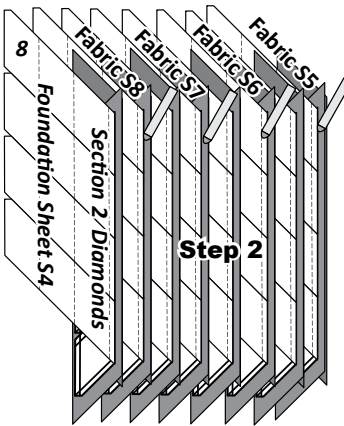
► **Round 2:**

**Strips 1-8:** Round 2 strips 1-8 are positioned under the Sec. 2 diamonds on each **Foundation Sheet S1-4**.

1. Pair Fabric S5, Strip #1, to Foundation Sheet S1, Sec 2.
2. Pair Fabric S5, Strip #2 to Foundation Sheet S1, Sec 2.
3. Pair Fabric S6, Strip #3 to Foundation Sheet S2, Sec 2.
4. Pair Fabric S6, Strip #4 to Foundation Sheet S2, Sec 2.
5. Pair Fabric S7, Strip #5 to Foundation Sheet S3, Sec 2.
6. Pair Fabric S7, Strip #6 to Foundation Sheet S3, Sec 2.
7. Pair Fabric S8, Strip #7 to Foundation Sheet S4, Sec 2.
8. Pair Fabric S8, Strip #8 to Foundation Sheet S4, Sec 2.



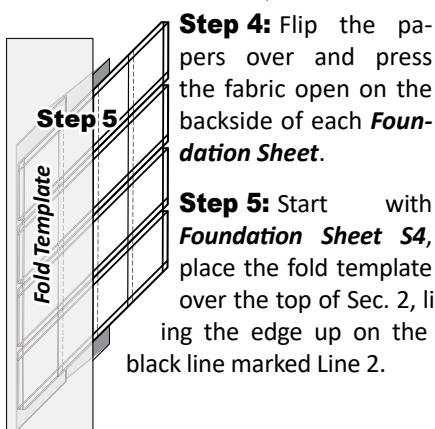
**Step 1:** Position Strip #1, Round 2 (Fabric S5) *right-side-up* on your table along the edge of **Foundation Sheet S1**. Lift the foundation paper and slide the strip under the **Section 2 Diamonds**. Line the raw edges along the trimmed sew-side.



**Step 2:** Repeat **Step 1** for each **Foundation Sheet**.

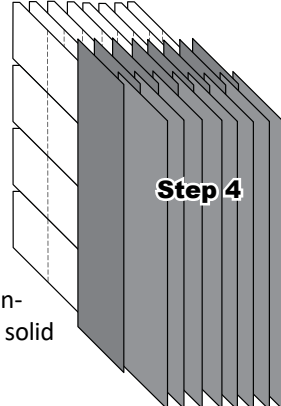
**NOTE - Glue Helps!** A small amount of glue added along the raw edges of each fabric strip will keep the edges secure as you feed the fabric between the presser foot and feed dogs when sewing on Line 1.

**Step 3:** Open the papers and sew on Line 1. The stitches should start and stop about 1/8" before the beginning and end of Line 1.



**Step 4:** Flip the papers over and press the fabric open on the backside of each **Foundation Sheet**.

**Step 5:** Start with **Foundation Sheet S4**, place the fold template over the top of Sec. 2, lining the edge up on the solid black line marked Line 2.



**Step 6:** Fold back the paper and trim a 1/4" seam allowance. Repeat the trimming process for each **Foundation Sheet**. Stack the papers as you trim. When you are done paper #8 should be on the bottom, paper #1 on the top.

► **Round 3:**

**Strips 1-8:** Are used to complete the sewing for Round 3 on each **Foundation Sheet**.

1. Pair Fabric S9, Strip #1, to Foundation Sheet S1, Sec 3.
2. Pair Fabric S9, Strip #2 to Foundation Sheet S1, Sec 3.
3. Pair Fabric S10, Strip #3 to Foundation Sheet S2, Sec 3.
4. Pair Fabric S10, Strip #4 to Foundation Sheet S2, Sec 3.
5. Pair Fabric S11, Strip #5 to Foundation Sheet S3, Sec 3.
6. Pair Fabric S11, Strip #6 to Foundation Sheet S3, Sec 3.
7. Pair Fabric S12, Strip #7 to Foundation Sheet S4, Sec 3.
8. Pair Fabric S12, Strip #8 to Foundation Sheet S4, Sec 3.

► **Round 4:**

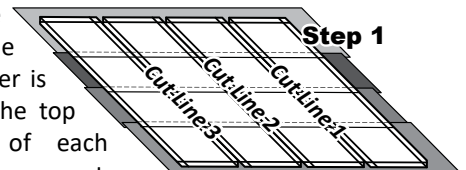
**Strips 1-8:** Are used to complete the sewing for Round 4 on each **Foundation Sheet**.

1. Pair Fabric S13, Strip #1, to Foundation Sheet S1, Sec 4.
2. Pair Fabric S13, Strip #2 to Foundation Sheet S1, Sec 4.
3. Pair Fabric S14, Strip #3 to Foundation Sheet S2, Sec 4.
4. Pair Fabric S14, Strip #4 to Foundation Sheet S2, Sec 4.
5. Pair Fabric S15, Strip #5 to Foundation Sheet S3, Sec 4.
6. Pair Fabric S15, Strip #6 to Foundation Sheet S3, Sec 4.
7. Pair Fabric S16, Strip #7 to Foundation Sheet S4, Sec 4.
8. Pair Fabric S16, Strip #8 to Foundation Sheet S4, Sec 4.

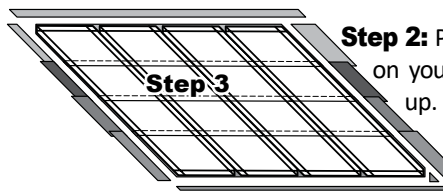
**PART 2: TRIM AND CUT THE PAPERS**

**Sewing your TRP Lines:** Before cutting apart your **Foundation Sheets**, you must sew the TRP lines on **Foundation Sheets S3 and S4**. Set your machine to sew a **Basting Stitch**, (stitch length of at least 2.8). Sew from the start to finish of each line included on the foundation sheet. It is easiest to not cut the threads between TRP lines, just lift the foot, move to the next, and then trim the threads after you've sewn all of the pieces.

**Step 1:** When the piecing is finished, the excess fabric and paper is trimmed off along the top and bottom edge of each foundation sheet. There are two solid lines printed around the perimeter of the paper. The last line that borders the edge of the foundation sheet is the trim line.

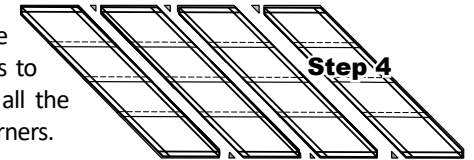


**Step 2:** Place each foundation sheet on your table with the paper-side up.

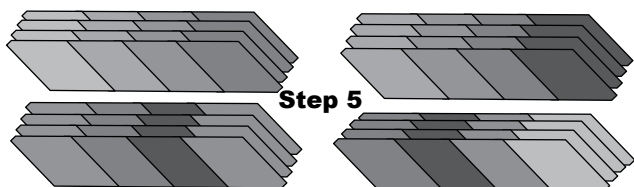


**Step 3:** Next, trim the edges off the first and last row and top and bottom. Find the three lines referred to as **Cut Line 1, 2, & 3**. These are your cutting lines. Using your ruler and rotary cutter, cut each line to separate the four rows.

**Step 4:** Next, trim off the tips and the shaded areas to complete the cutting for all the excess fabric and smart corners.

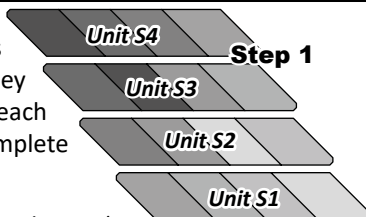


**Step 5:** Clip the pieces for each row together and set aside. Repeat Steps 1-5 to complete the remaining sheets.



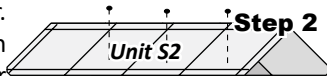
## DIAMOND ASSEMBLY

**Step 1:** Arrange the colors for each strip into the order they will be sewn together. One of each Unit S1 to S4 are joined to complete (1) diamond.



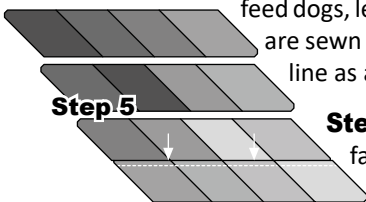
**NOTE - Color Orientation:** Pay attention to the color orientation. Check your strips, fabrics, and row position before you sew the strip sets together. If a color has been sewn in the wrong position, it's not too late to fix it. The pieces at this point have been cut to the size you would have cut them if you had been making this quilt with a diamond template. Simply pick out the seams, rearrange the diamonds, and sew the pieces back together.

**Step 2:** Position Unit S2, onto the top of Unit S1, with both strips facing right-sides-together. Match and pin each intersection where the sew lines cross on your foundation paper.



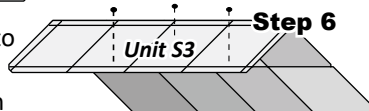
**Step 3:** Remove the foundation papers from under the diamond sections on Unit S1 without disturbing the pins.

**Step 4:** At your machine place Unit S1 on the bottom next to the feed dogs, leaving Unit S2 on top. Both strips are sewn together, using the quarter-inch line as a guide for stitching.

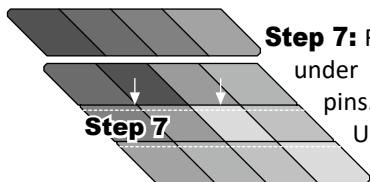


**Step 5:** The seam is pressed facing towards Unit S1 as shown with the arrows.

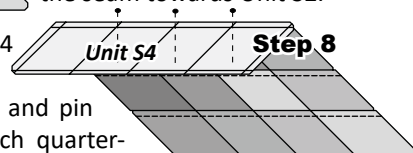
**Step 6:** Position Unit S3, onto the top of Unit S2, right-sides-together. Match and pin both pieces at each quarter-inch intersection.



**Step 7:** Remove the foundation papers under Unit S2 without disturbing the pins. Sew both strips together, with Unit S2 next to the feed dogs. Press the seam towards Unit S2.



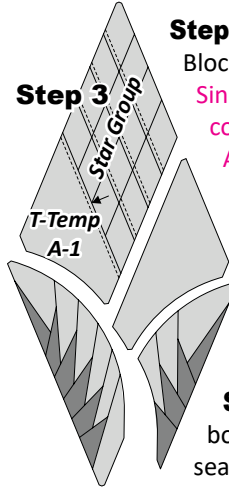
**Step 8:** Position Unit S4 onto the top of Unit S3, right-sides-together. Match and pin both pieces together at each quarter-inch intersection.



**Step 9:** Remove the foundation papers from under Unit S3, sew the strips together, with Unit S3 next to the feed dogs. Remove the foundation papers from under Unit S4 and press the seam towards Unit S3.

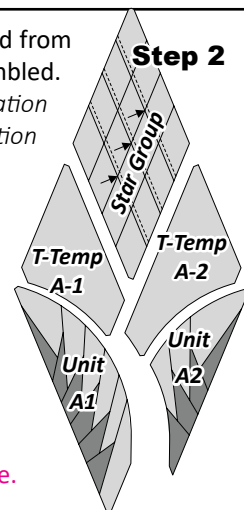
## GROUP A ASSEMBLY

**Step 1:** The foundation paper is removed from Unit A1 and A2 before the blocks are assembled. \*For information on removing the foundation paper, refer back to the General Information (page 4).



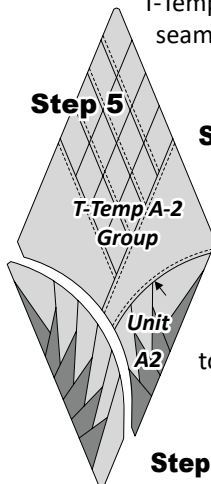
**Step 2:** Arrange the Block pieces as shown.

Since you have (2) colorways of Block A1 and A2, make sure you are sewing the opposing colors onto each block, instead of the same. This gives you the alternating look of the cover sheet.

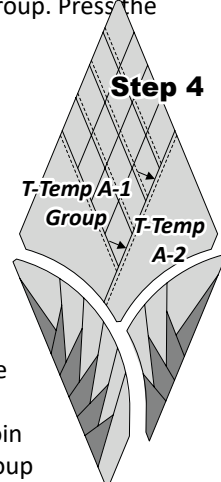


**Step 3:** Join (8) each T-Temp A-1 with the bottom edge of the Star Group. Press the seams toward T-Temp A-1.

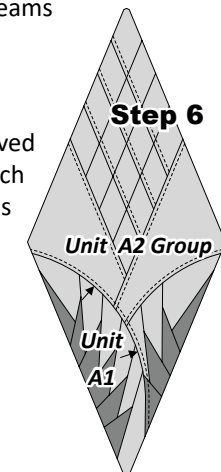
**Step 4:** Join (8) each T-Temp A-2 with the T-Temp A-1 Group. Press the seams toward T-Temp A-2.



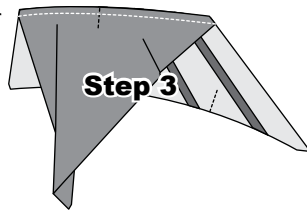
**Step 5:** Curved piecing is required to sew the next two seams. \*Please reference Curved Piecing on page 12. Join (8) each T-Temp A-2 Group with Unit A2. Press the seams toward T-Temp A-2 Group.



**Step 6:** Again, use the curved piecing technique to join (8) each Unit A2 Group with Unit A1. Press the seams toward Unit A2 Group.

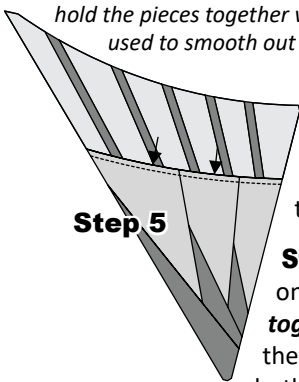


**Step 3:** Position the pieces at your machine with the **B1L Units** on top, next to the presser foot. This will result with each **Unit B2L** on the bottom next to the feed dogs.



**NOTE - Purple Thang:** The Purple Thang works great as a third finger to help

hold the pieces together when sewing the curves. It can be used to smooth out pleats and hold the edges together.



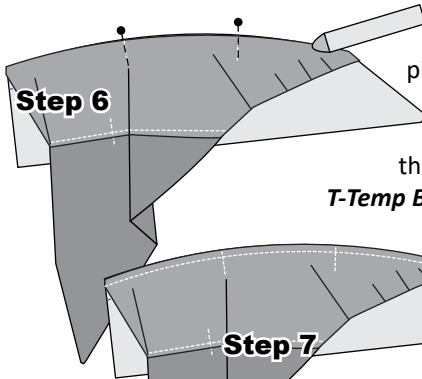
**Step 5**

**Step 4:** Sew a quarter-inch seam allowance along the curved edge.

**Step 5:** Press the curved seams towards **Unit B1L**.

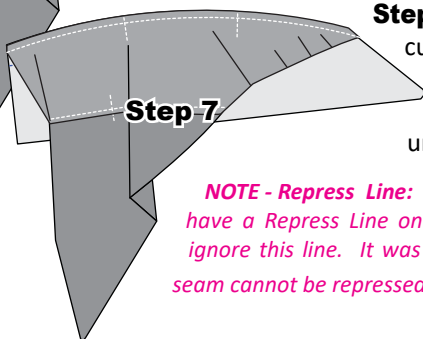
**Step 6:** The **Unit B2L** pieces, are sewn onto **T-Temp B1L**. With **right-sides-together**, match and pin the (TRP) Lines, then the smart corners at both ends. Glue both ends where the smart corners match

then, glue the edge along the curved edge of **T-Temp B1L**. Quickly shape and match the curved edges before the glue dries.



**Step 6**

**Step 7:** Position the pieces at your machine and sew a quarter-inch seam allowance. Press the curved seams towards **T-Temp B1L**.



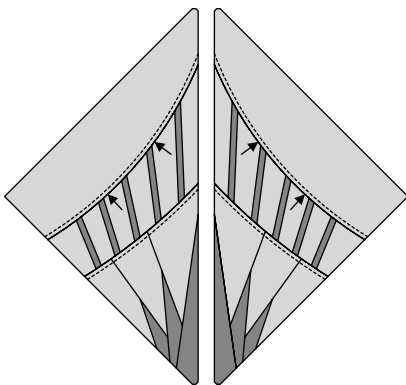
**Step 7**

**Step 8:** Repeat the curved piecing process for the right side units.

**NOTE - Repress Line:** Your papers may have a Repress Line on Unit B1R. Please ignore this line. It was a mistake and the seam cannot be repressed in this block.

### ► Finishing the Block

To avoid Y-seams in the assembly process, the left and right units are not joined at this time. The pieces are set aside until all the piecing is completed for the remaining groups in your pattern.

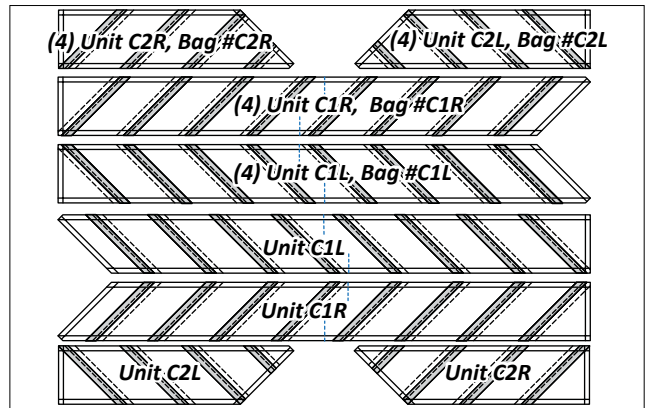


## GROUP C: CANDY STRIPES BORDER INSTRUCTIONS

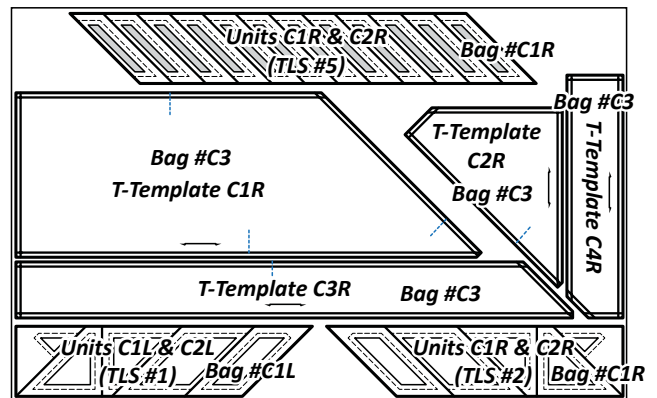
**Ziploc Storage Bags:** You will need (5) Bags to complete the organization for these instructions. Label the bags as follows to stay organized while cutting the Foundation Units and Templates.

- Bag #C1R: (4) Unit C1R foundation sheets and associated templates.
- Bag #C1L: (4) Unit C1L foundation sheets and associated templates.
- Bag #C2R: (4) Unit C2R foundation sheets and associated templates.
- Bag #C2L: (4) Unit C2L foundation sheets and associated templates.
- Bag #C3: All T-Templates

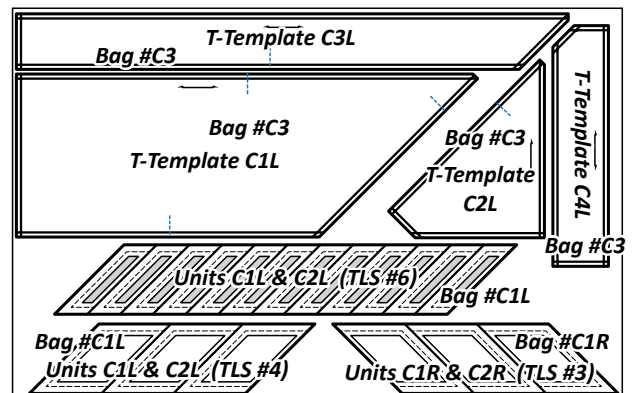
### ► (2) NP 697



### ► (1) TP 513



### ► (1) TP 514



► **Preparing the Foundation Papers:**

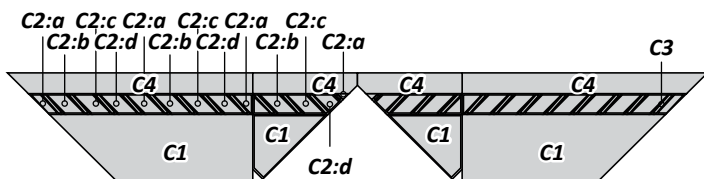
**Step 1:** Reference the foundation paper graphics on the previous page. Cut out the (4) Unit C1R [NP 697] along with C1R (TLS #5), (TLS #2) [TP 513], and (TLS #3) [TP 514], and place them into Bag #C1R. Cut out (4) Unit C1L along with C1L (TLS #1) [TP 513], (TLS #4) and (TLS #6) [TP 514], and place them into Bag #C1L. Cut out (4) Unit C2R [NP 697] and place them in Bag #C2R. Cut out (4) Unit C2L [NP 697] and place them in Bag #C2L. Cut out **T-Templates C1R, C2R, C3R, & C4R** [TP 513], and **T-Templates C1L, C2L, C3L, & C4L** [TP 514] and place them into Bag #C3.

**NOTE - Need More Information?:** \*Refer back to General Information for Foundation papers and Templates for additional instructions on how to prepare your foundation papers and templates.

► **Candy Stripes Border Fabric Information:**

The table below includes yardage, fabric numbers, and a reference to which fabrics go with each TLS to complete the Group C Border Units. This table is your guide for not only selecting your own colors, but keeping you organized. Don't forget to cut a swatch of your chosen fabric to paste in the box in the *Assigned Colors* column! Reference the *Color Layout* graphic below for a graphical representation of where each of the fabrics go.

► **Color Layout**

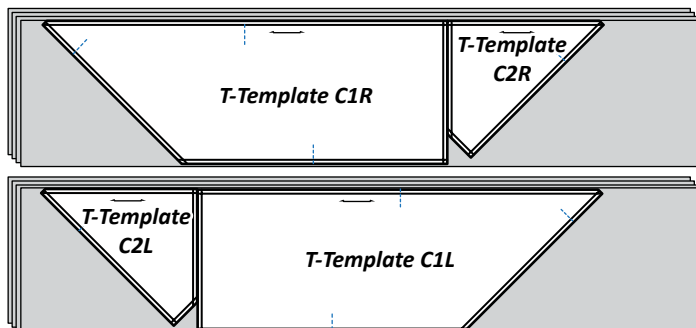


<b>Make (4) Border Groups</b>		
GROUP-C FABRIC #	YARDAGE INCH	ASSIGNED COLOR
Fabric C1 T-Temps C1R/C1L, C2R/C2L	2 yd or (72")	Fabric Swatch
Fabric C2:a Units C1L & C2L, C1R & C2R (TLS #1-#2)	1/2 yd or (16")	Fabric Swatch
Fabric C2:b Units C1L & C2L, C1R & C2R (TLS #3-#4)	1/2 yd or (16")	Fabric Swatch
Fabric C2:c Units C1L & C2L, C1R & C2R (TLS #3-#4)	1/2 yd or (16")	Fabric Swatch
Fabric C2:d Units C1L & C2L, C1R & C2R (TLS #3-#4)	1/2 yd or (16")	Fabric Swatch
Fabric C3 Units C1L & C2L, C1R & C2R (TLS #5 & #6)	1 yd or (32")	Fabric Swatch
Fabric C4 T-Temp C3R & C4R, C3L & C4L	1-1/4 yd or (42")	Fabric Swatch

**CUTTING INSTRUCTIONS:**

► **Fabrics C1: T-Temps C1R/C1L, C2R/C2L**

**Step 1:** Cut (4) 18" by 42" strips from Fabric C1. Stack **right-side-up** and sub-cut (2) 9" by 42" strips. Place **T-Templates C1R & C2R** on one stack, and **T-Temps C2L & C2R** on the other. Cut the fabric to the same size as the templates.

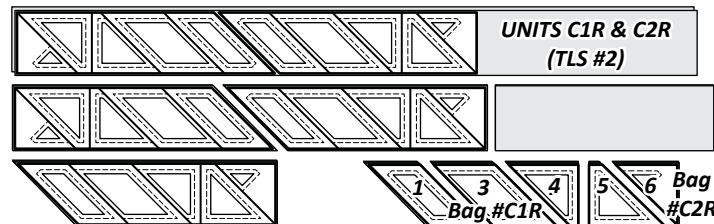


**Step 2:** Set your stitch length at 2.8 and use the T-Templates as a guide to mark the TRP lines first with a marking pen, fold the paper back at each line to mark or cut a small slit and use the machine to sew into the slit. You can also hole punching them with an empty sewing needle (place the T-Template on top of the fabrics, sew along the TRP line with an empty needle to mark them all at once), then rethread your machine and sew the (TRP) Lines on each piece of fabric cut with each T-Template. The threads are trimmed on the front and backside of each template after the sewing is complete. Make sure to clip all the pieces together with the T-Template on top so you don't forget which pieces are which. Clip the pieces together and place them in Bag #C3.

► **Fabric C2:a: Units C1L & C2L, C1R & C2R (TLS #1 & #2)**

**Step 1:** Cut (4) 4" x 42" strips of Fabric C2:a and stack into (2) stacks of (2) strips facing **right-side-up**.

**Step 2:** Place Unit C1R & C2R (TLS #2) on one stack and cut (2) pieces the size and shape of the TLS from each strip, rotating it as necessary. Restack the (4) resulting pieces the size of the TLS into one stack. The cutting is finished by slicing through each *Cut Line* to separate the individual sections.



**Step 3:** Clip the individual template and fabric stacks together. Place Temp CR-5 and CR-6 in Bag #C2R. **Label the Temp CR-3 stack as Unit C1R, Sec. 9.** Then, place Temp CR-1, CR-3, and CR-4 in Bag #C1R.

**Step 4:** Place Unit C1L & C2L (TLS #1) onto the remaining stack, and cut (2) units the size and shape of the TLS rotating the unit as necessary. Restack the (4) resulting pieces the size of the TLS into one stack. The cutting is finished by slicing through each *Cut Line* to separate the individual sections.