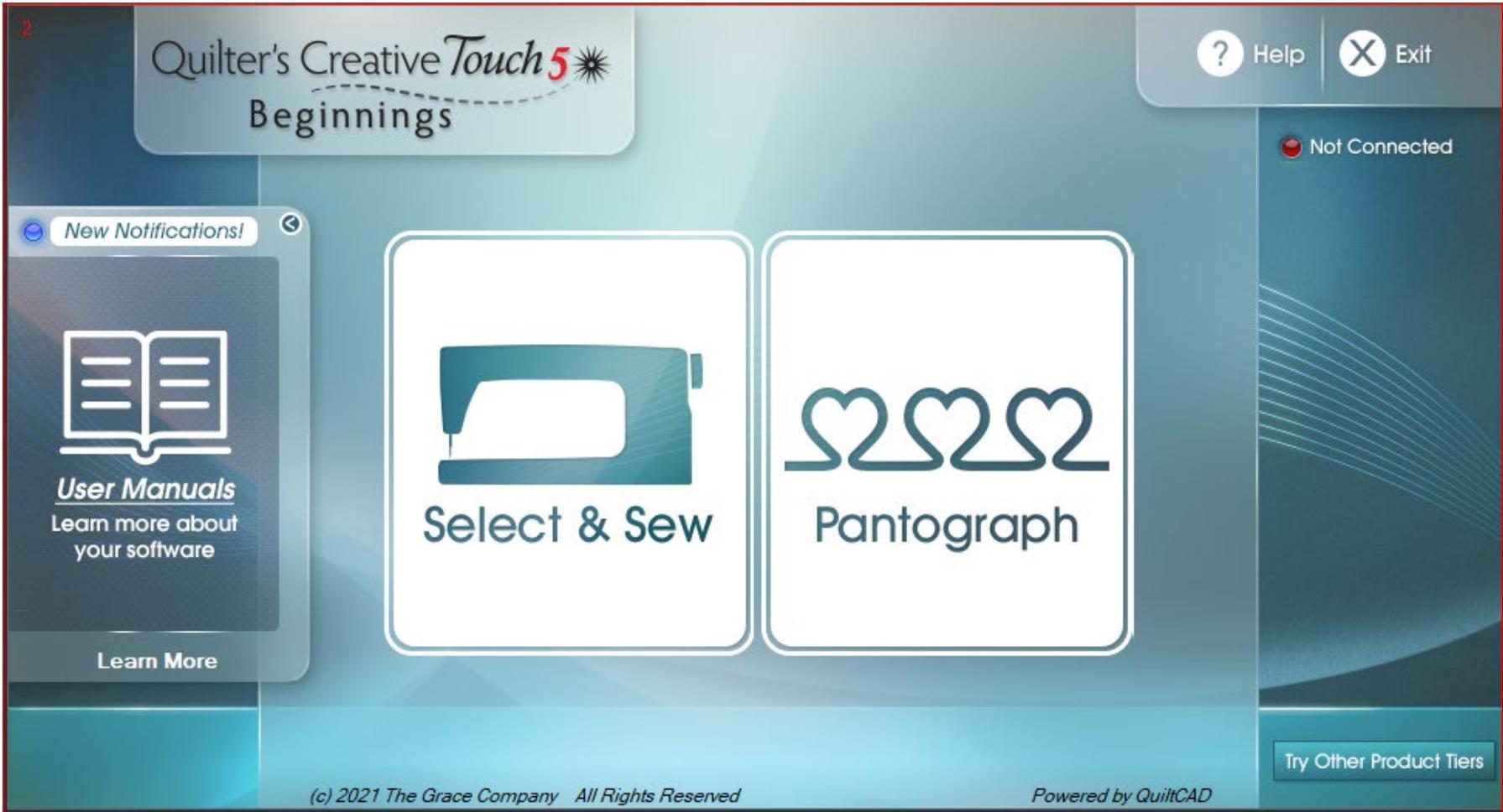


QuiltMotion Beginnings

QCT 5

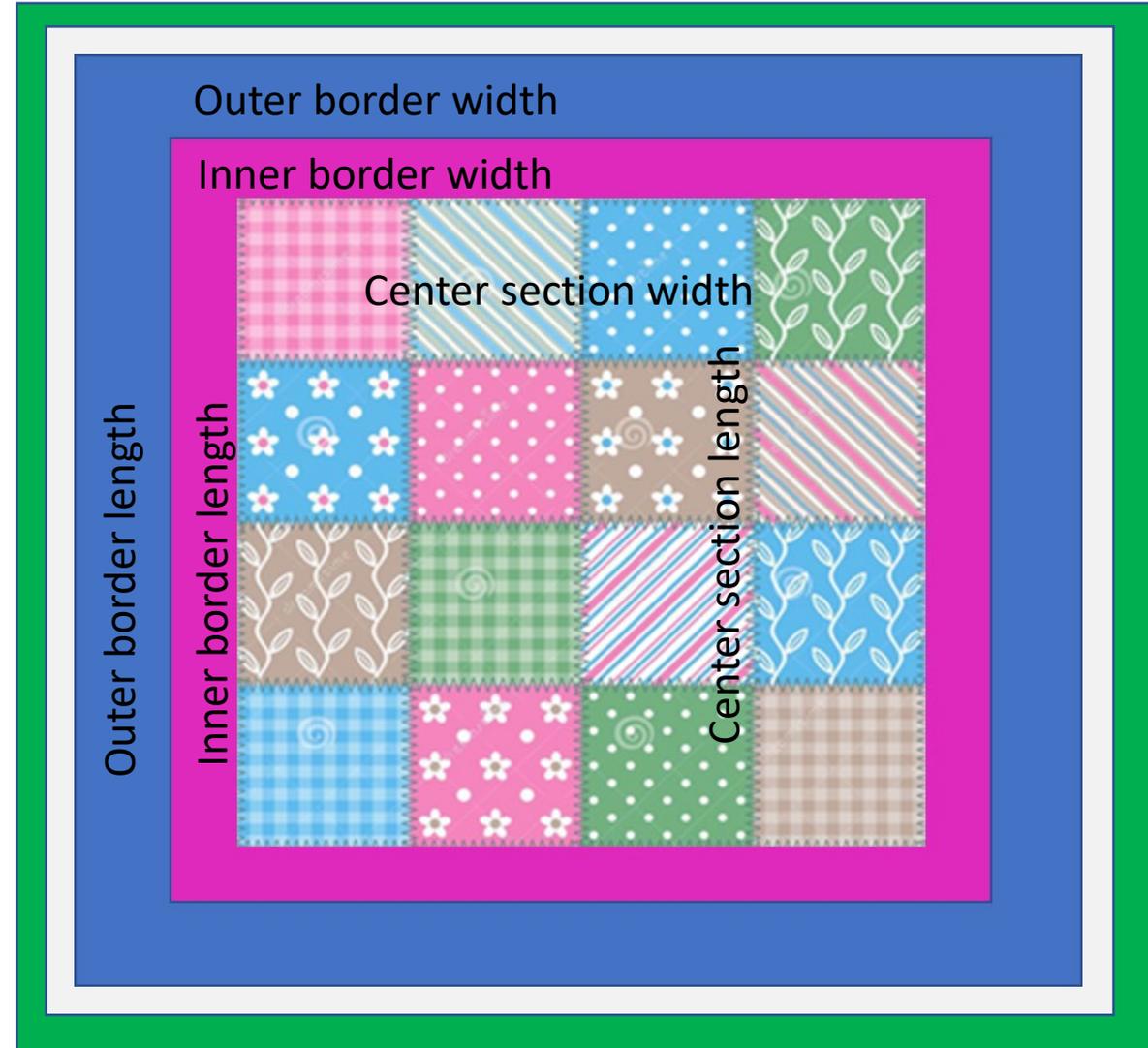
Using a Hoop style frame



Measure quilt top:
Outer Border width
Outer border length
Inner border width
Inner border length
Center section width
Center section length

Now add the backing and batting to make your quilt sandwich roll together and carry to the frame.

Move the machine to the top left corner of the frame and attach your quilt sandwich with the clamps.

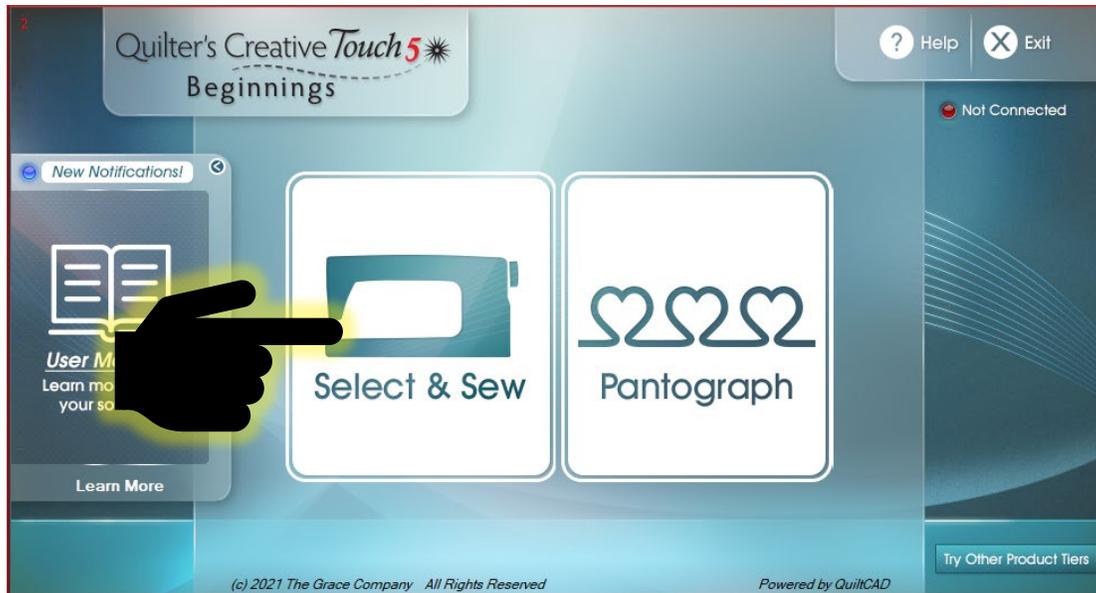


Pre-quilting checklist remember to:

1. **Gather all your accessories and tools you will need for quilting** (needles, bobbins, threads, etc. . .)
2. **Clean your tracks and wheels on your carriage and frame** (wipe down to remove lint, threads and dust with water)
3. **Check your machine cords** (are plugged in and plugged into correct ports plus giving you free movement of the carriage)
4. **Check your machine Mobility** (make sure you can move your carriage side to side front to back)
5. **Oil your machine** (oil the hook assembly every other bobbin change and remember to stitch off excess oil before quilting on your quilt)
6. **Clean & thread your machine thread guides and disc** (clean the guides and check for lint and burrs in the guides and disc as you are threading)
7. **Change needle** (use correct size needle for the thread weight)
8. **Replace and check bobbin** (check bobbin tension)
9. **Check hopping foot height** (use hopping foot height gauge to adjust)
10. **Check machine tension** (sew off and check stitches both top and the bottom of quilt sandwich)
11. **Check automation belts** (check top belt on machine and bottom belt on frame tighten if loose or disengaged)
12. **Measure quilt top** (measure the width and the height/length plus the border measurements as well if any)
13. **Attach quilt layers or quilt sandwich to frame** (backing, batting, then top)
14. **Adjust take up rail and front fabric rail height** (space a finger width distance from bottom plate of machine and check both ends of frame)

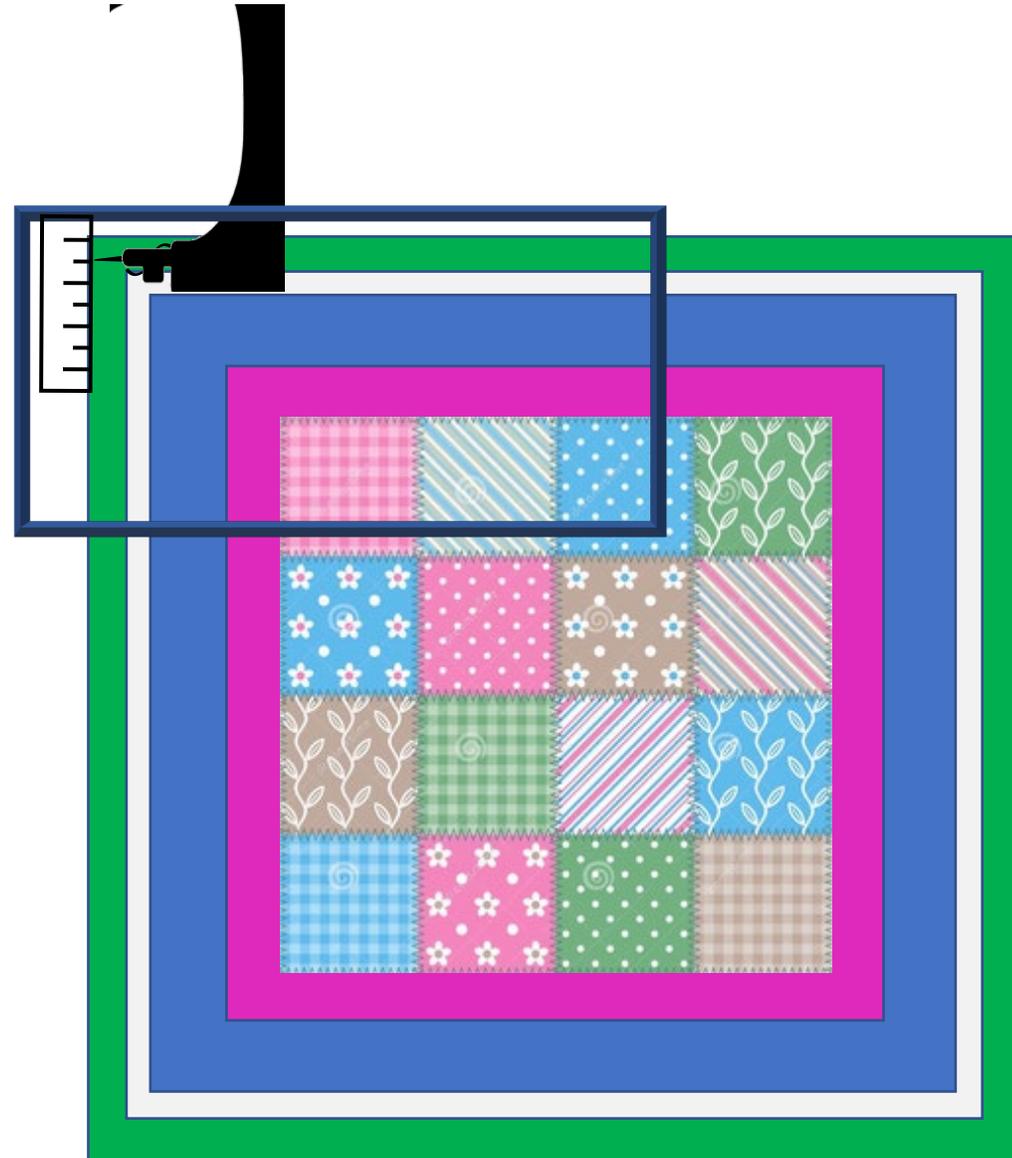
With the machine moved to left side align the quilt layers so that the top portion of the quilt can be slide underneath the foot of the machine. Make sure that the quilt is top edge layer is at least 1.5 inches away from the take up rail. (sewing machine can have clearance for quilting the design.) Attach the frame clips to stabilize.

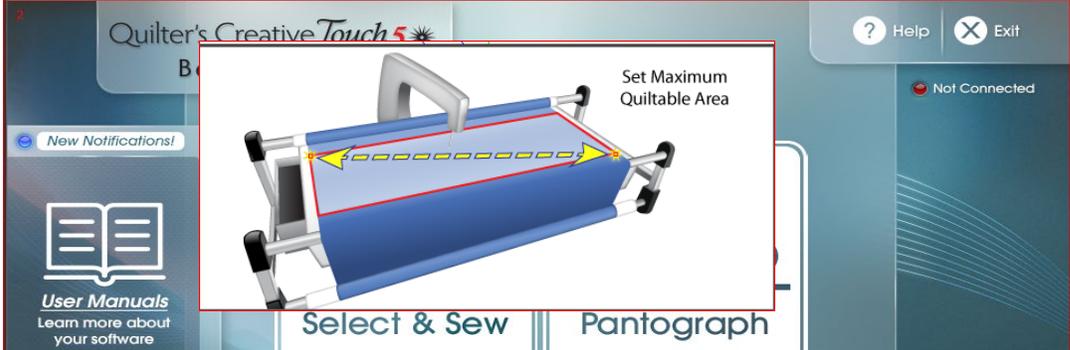
Let's get started first quilting the top border corners then add the center border pantograph to complete the top border.



Tap on "Select & Sew" then set your safe area!

For this demonstration this is your frame. I need you to see the frame and understand the position of the machine and marking stickers as you are shifting your quilt across and down in zones.



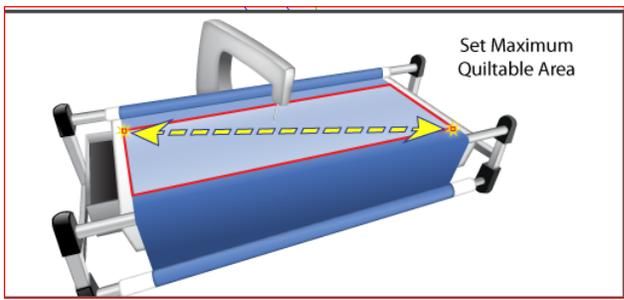


Safe Area - Top Left
 Position the machine over the top-left corner of the maximum quilting area, then press 'Top Left'.

Top Left

Length (in):
 Total Stitches:
 Sewn:
 Remaining:
 % Complete:

Move the machine to the upper left corner of the quilt layers as far as you can and tap on "Set the Safe Area - Top Left."

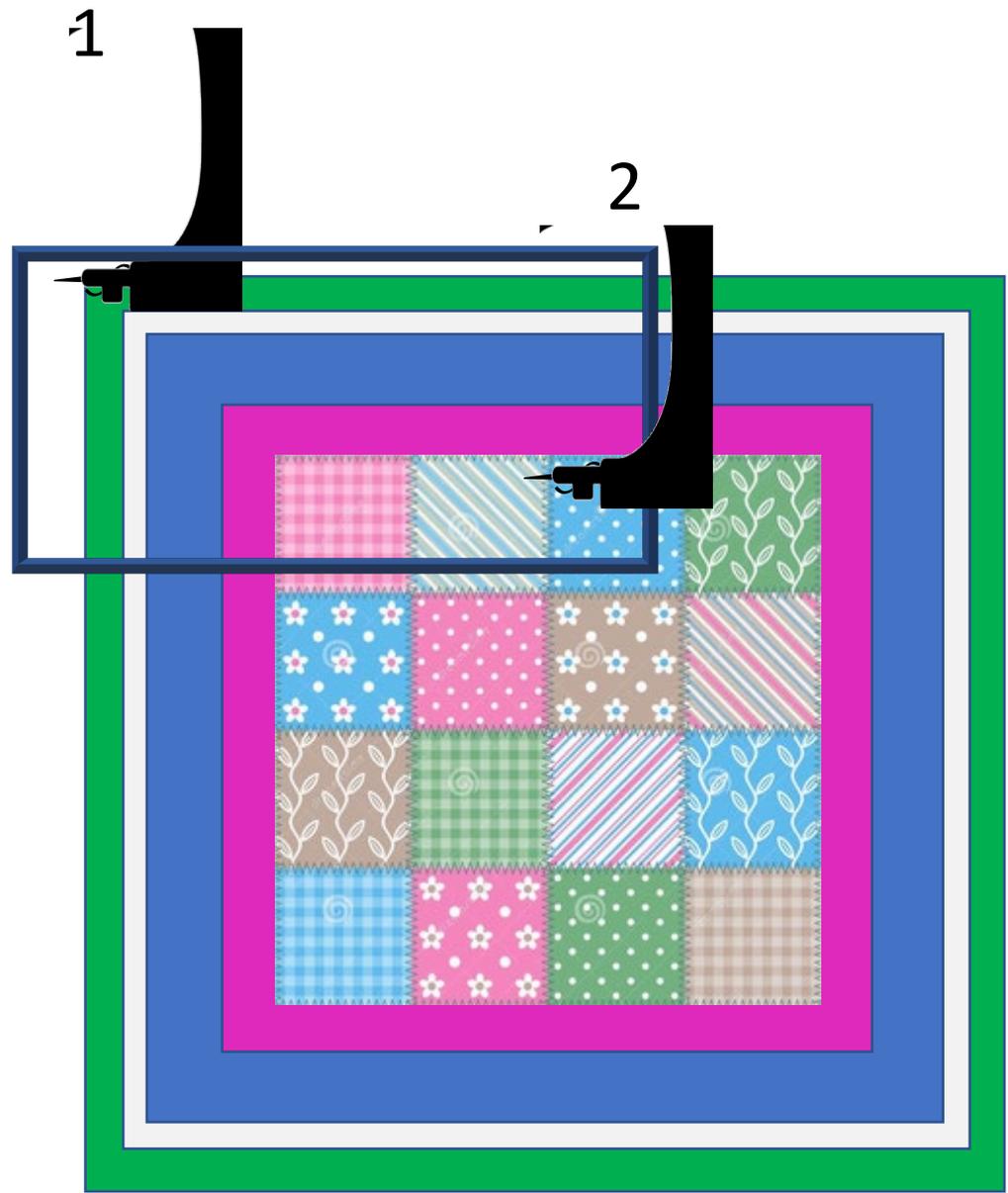


Safe Area - Bottom Right
 Position the sewing machine over the bottom-right corner of the maximum quilting area, then press 'Bottom Right'.

Bottom Right

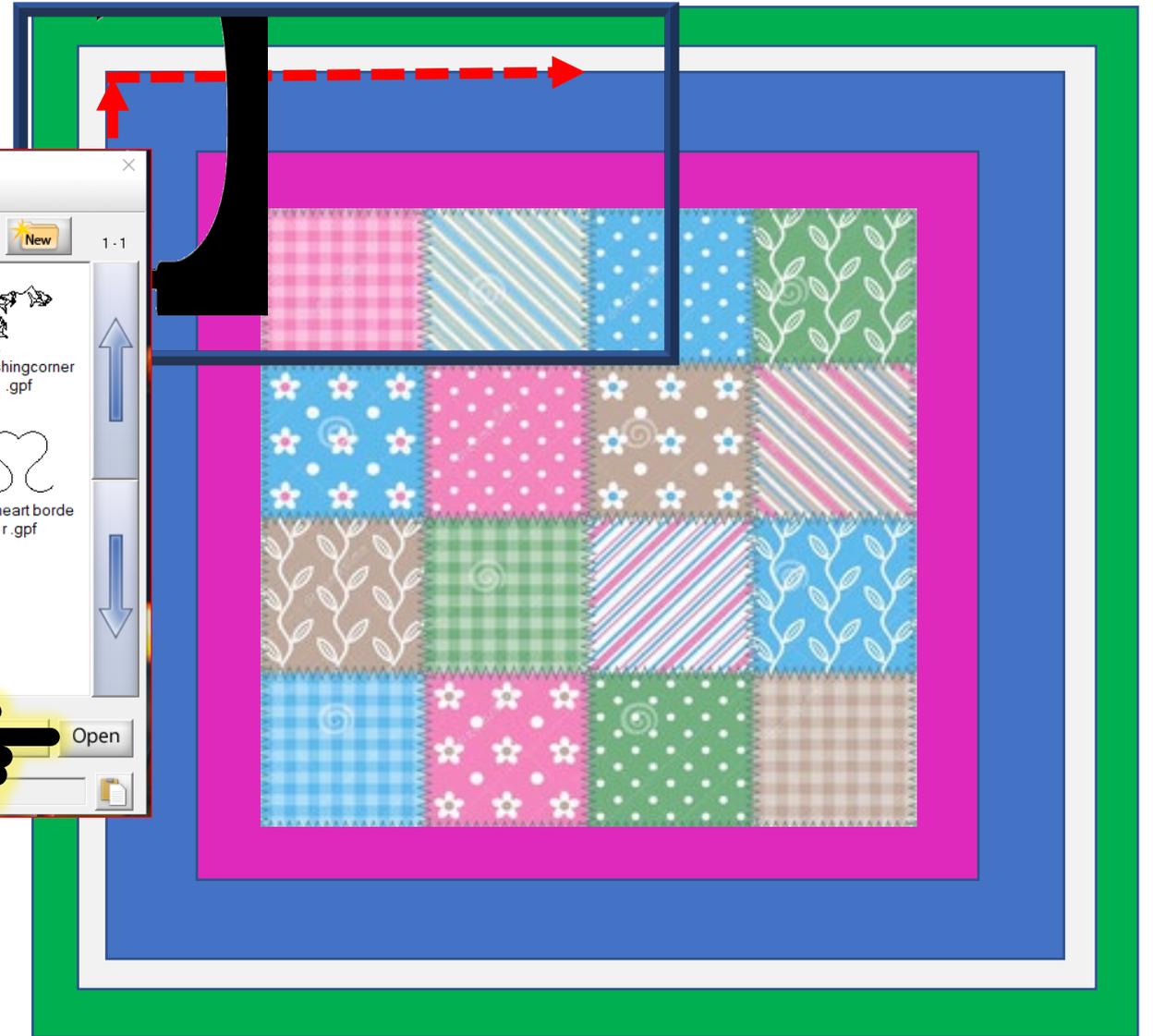
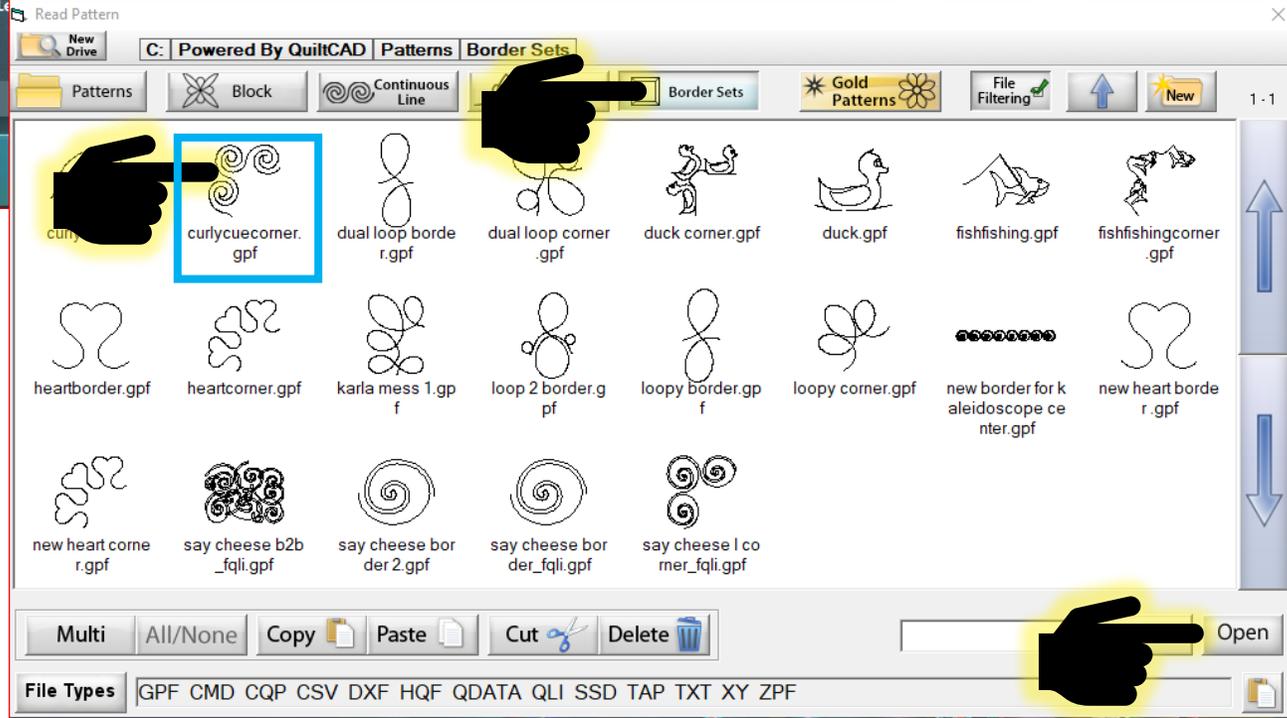
Length (in):
 Total Stitches:
 Sewn:
 Remaining:
 % Complete:

Move the machine across the quilt top to the right as far as it will go then pull it forward towards you once again as far as it will allow. Tap on "Set the Safe Area – Bottom Right."



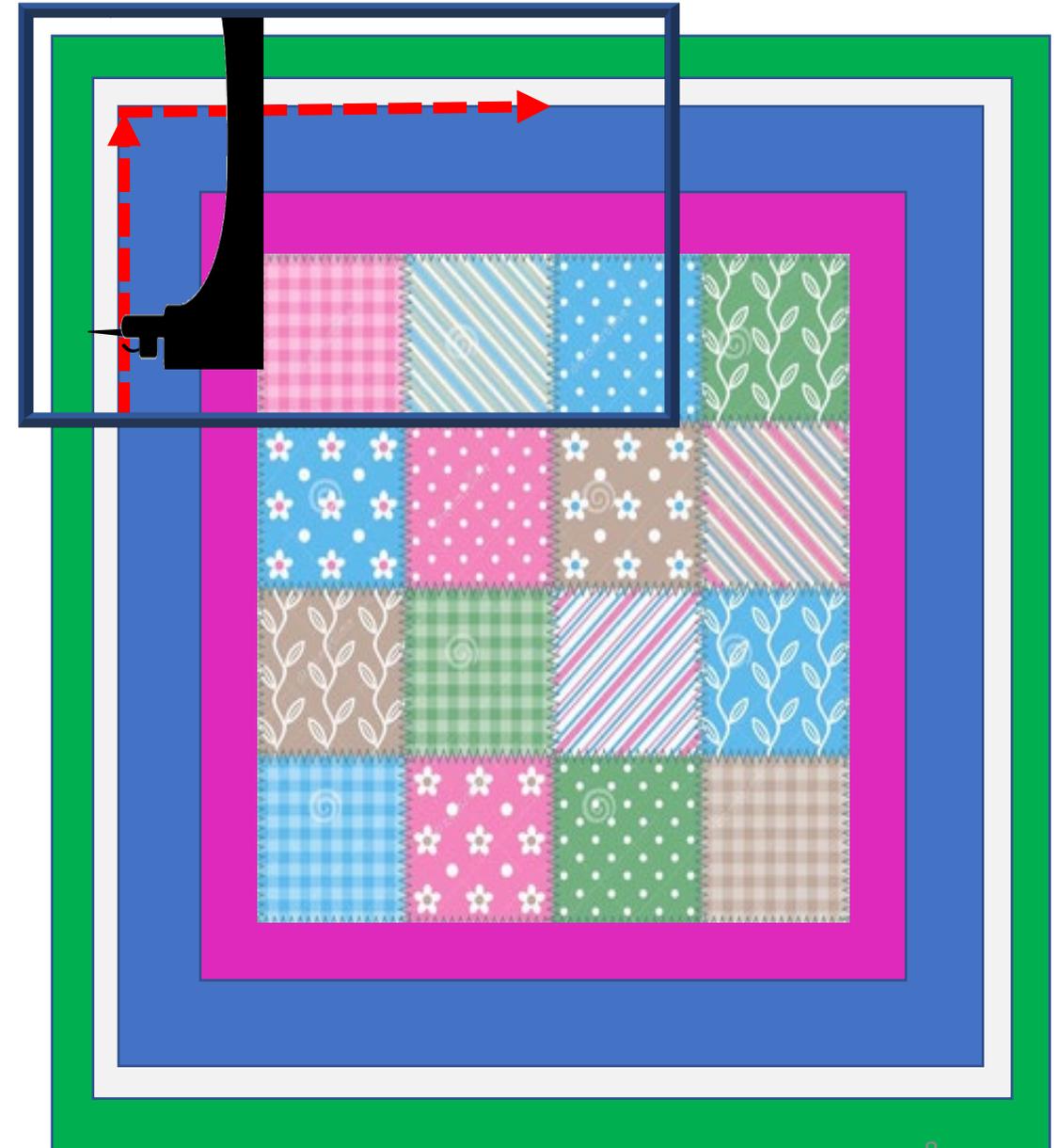
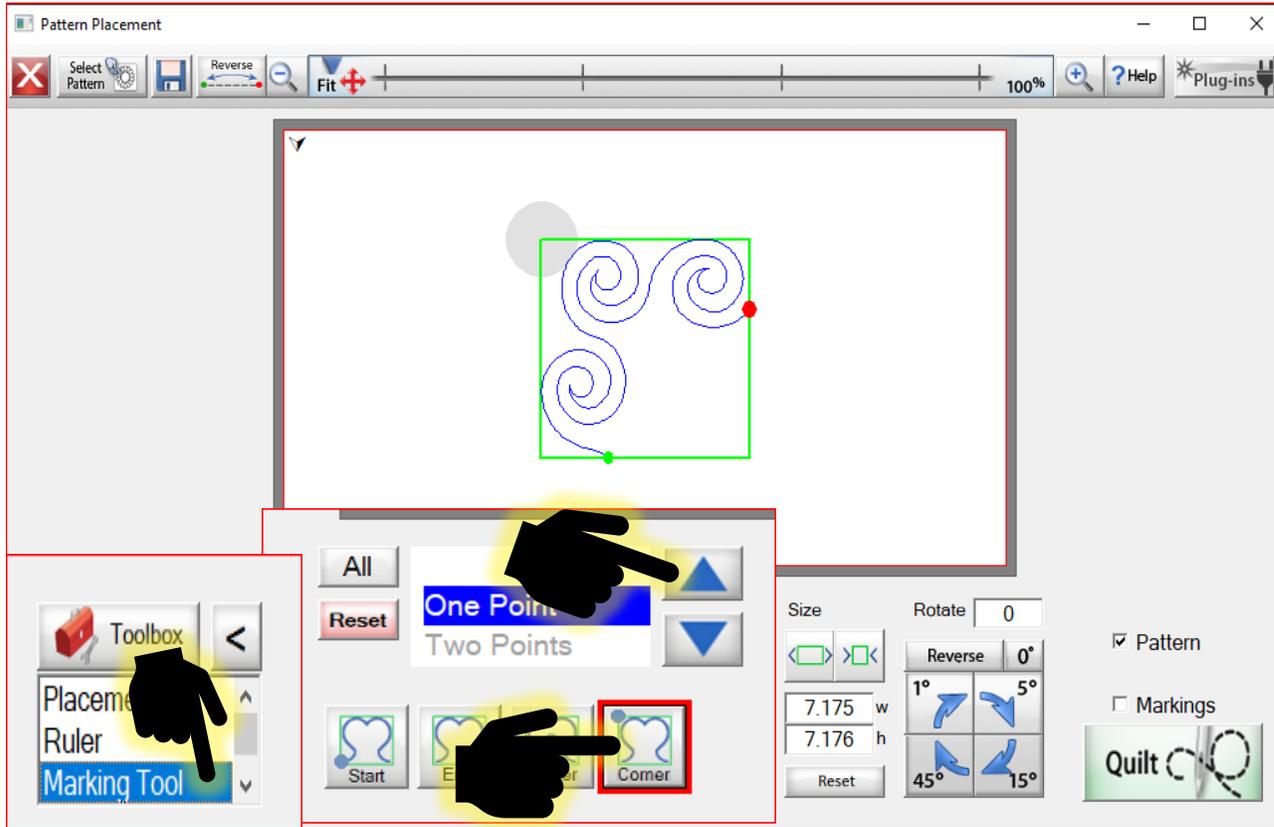


Tack down the edges of the quilt top and mark 1/4 inch along the border if you want the seam allowance for the binding.



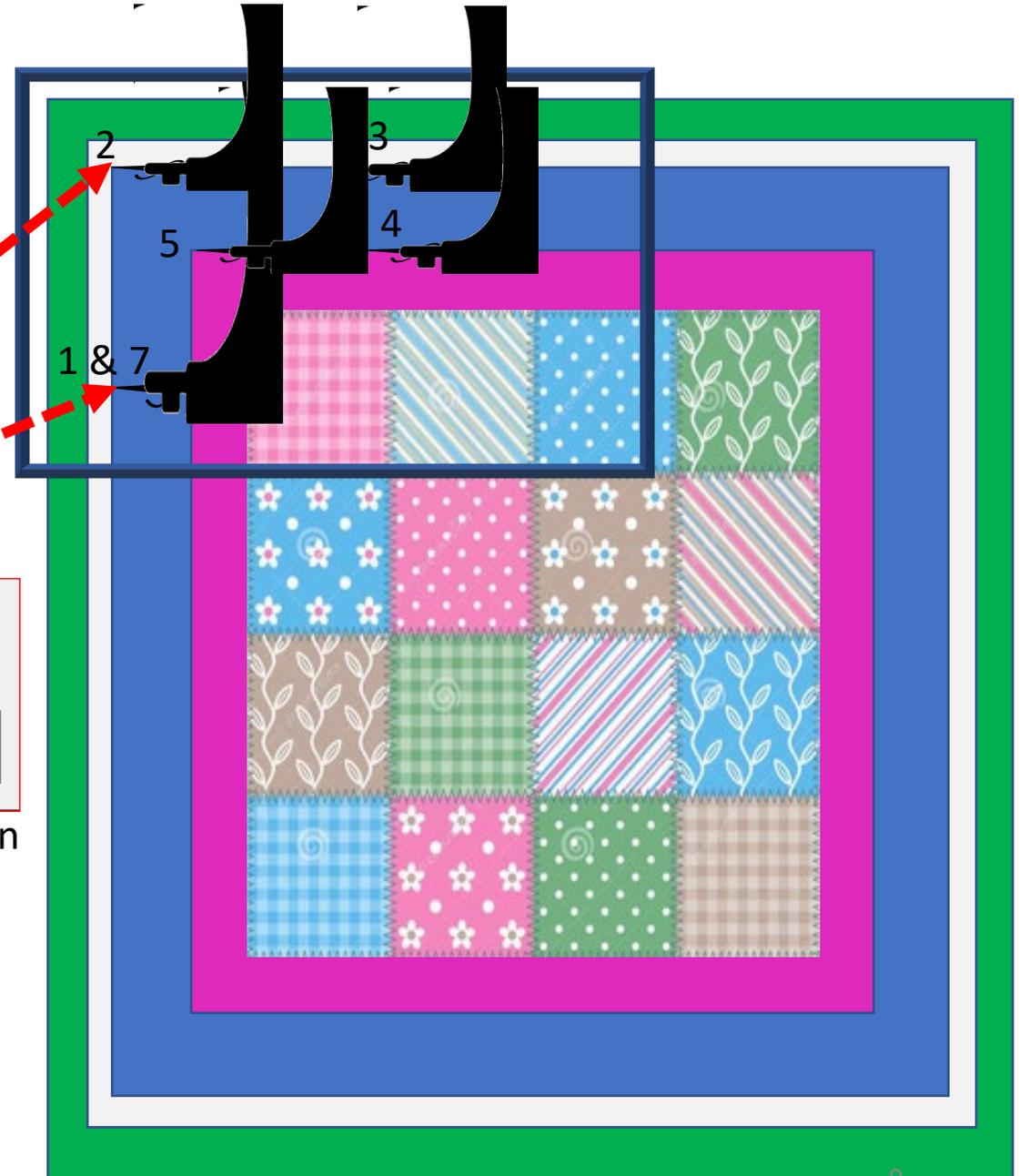
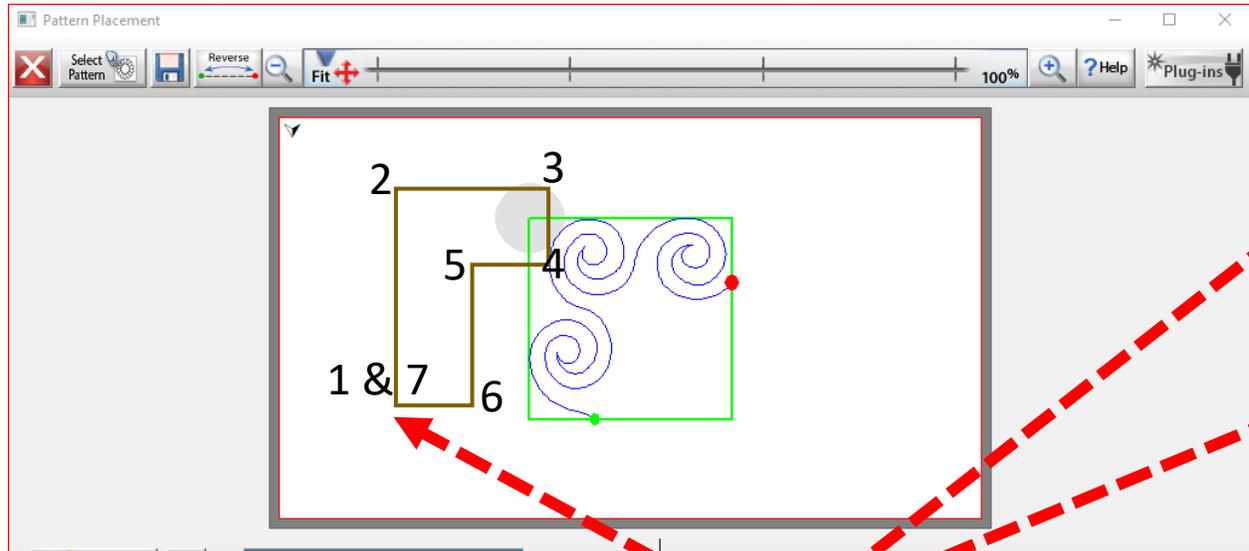
The "Read Pattern" screen will open find the file that is "Border Sets" tap on the border corner you want to quilt then tap on "Open." for this demonstration I am using "Curlycue corner.gpf."

Using the blue arrows scroll and find “One Point” choose “Center” placement.



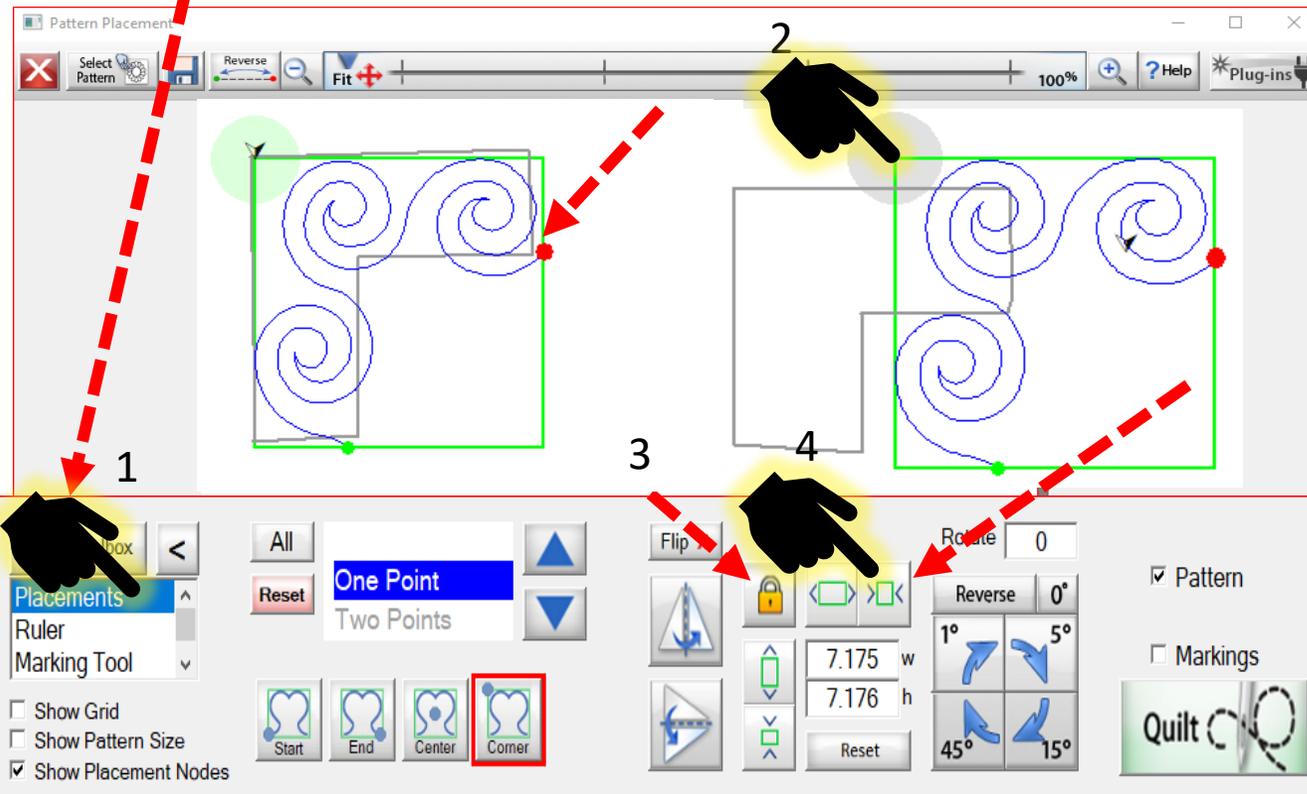
In the “Toolbox” to the left, tap on the “Marking Tool” we will mark around our corner to place and size our corner design.

Now mark around the upper left corner of the quilt border to place and size our corner design.



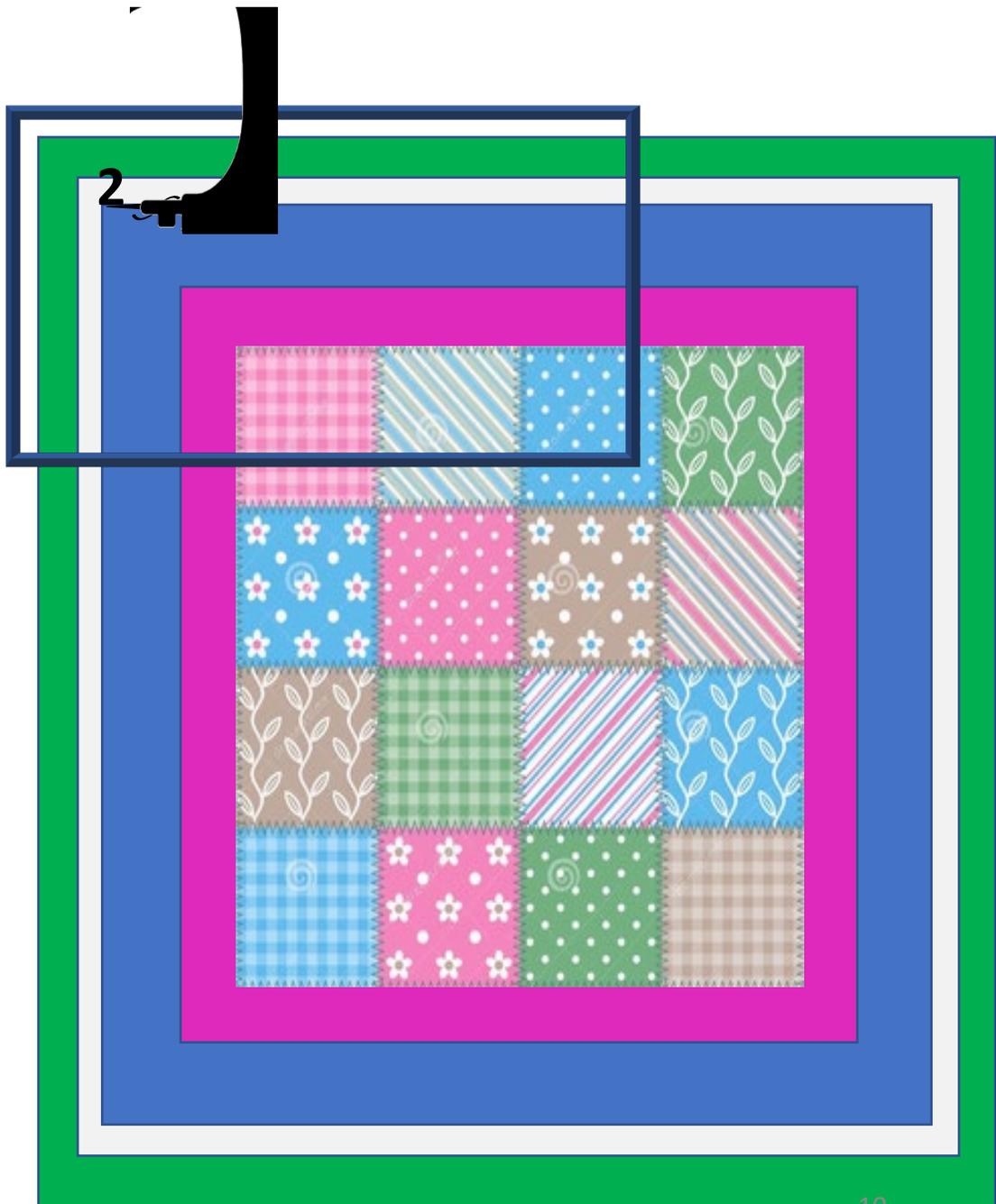
Move the machine to the outside left edge of the quilt top and tap on the “Add +” button to make a mark. (you will see a brown dot). Move the machine up to the top left corner and tap on “Add +”. Move the machine along the top edge then once again tap “Add +.” Now move to the inside edge and finish outlining the top left corner. You should finish up where you started.

1. To place the corner design, move back to the “Placement” screen in the toolbox.

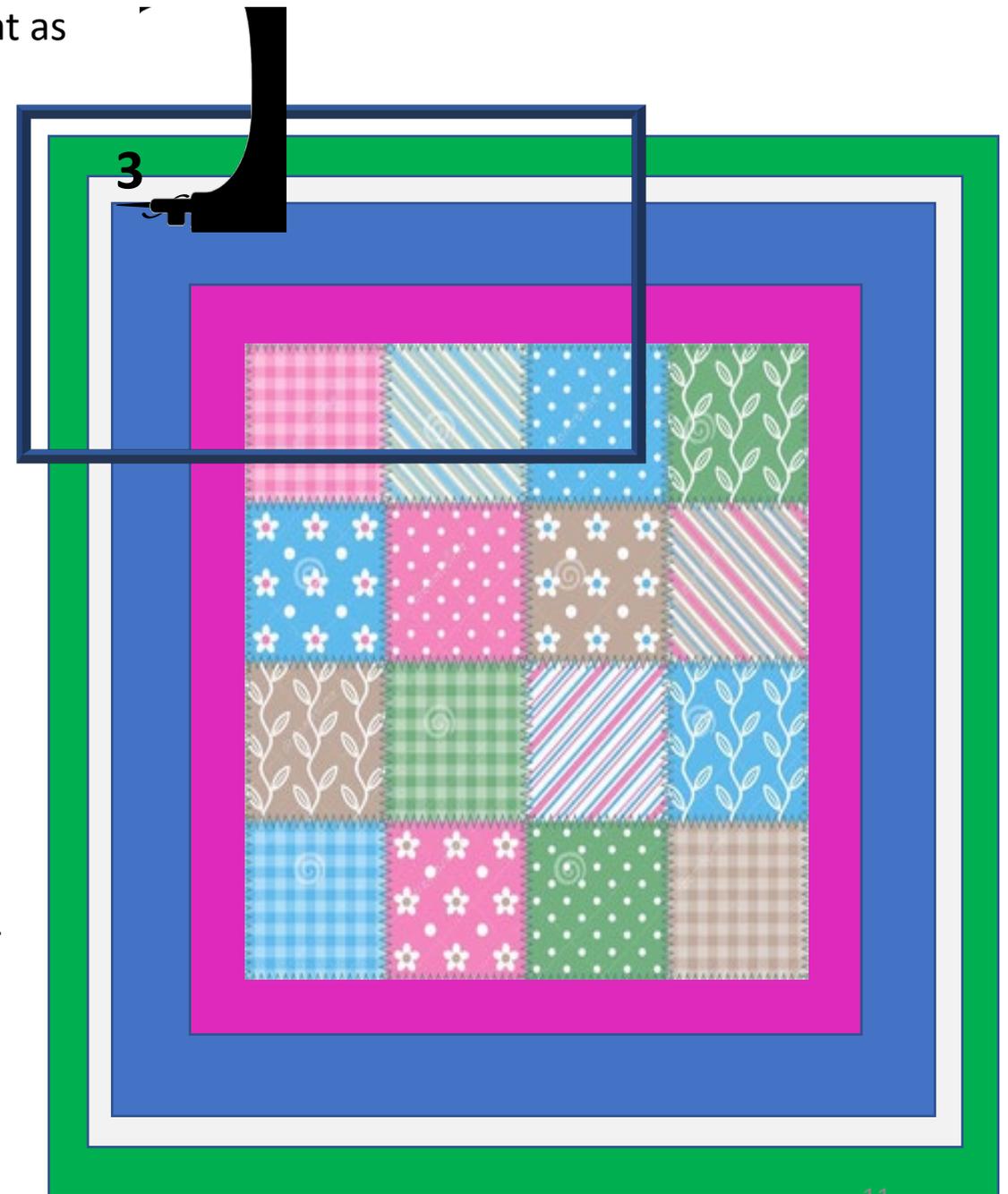
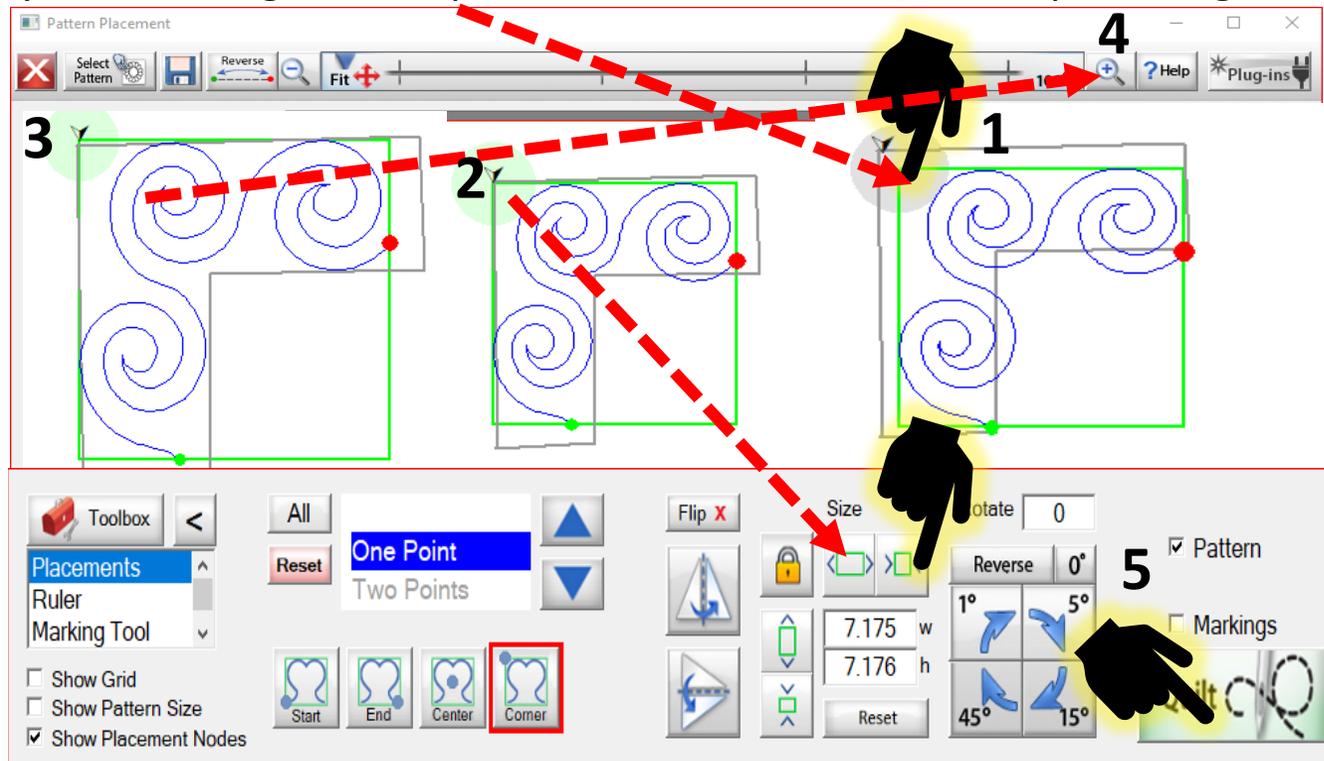


2. Move the machine to the top left corner of the border and tap on the Placement Node.” The design will move and align the node to the marks from the marking tool.

Now we will size the design to fit within our left corner marking.
3. Make sure the lock is locked to size the design proportionally.
4. Then start tapping on the increase or decrease to size to fit within the markings.



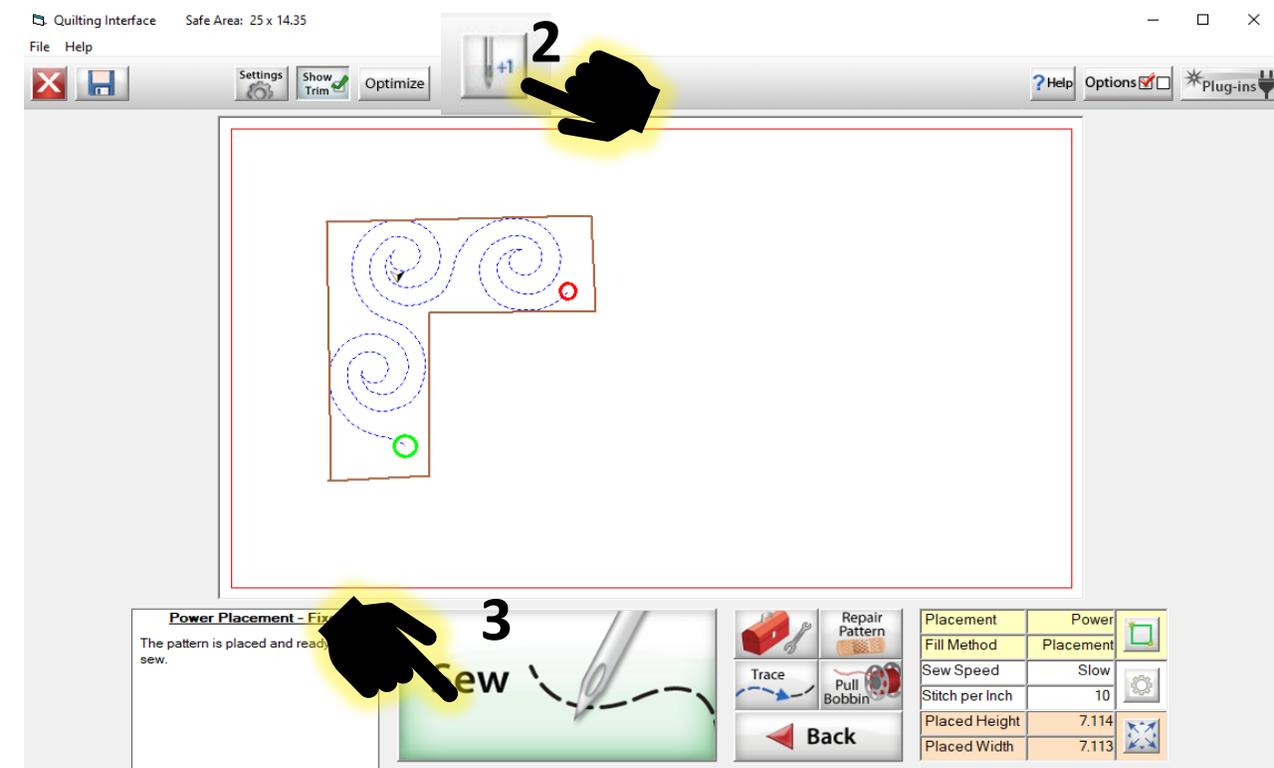
1. Notice how the “Placement Node” turn gray in color, this mean that as you are sizing it lost it placement and will need to be placed again.



2&3. You can size and move the machine to re-place the placement node as many time needed to get it perfectly aligned in the left corner markings. 4. Zoom in at the top of the screen to take a closer look.

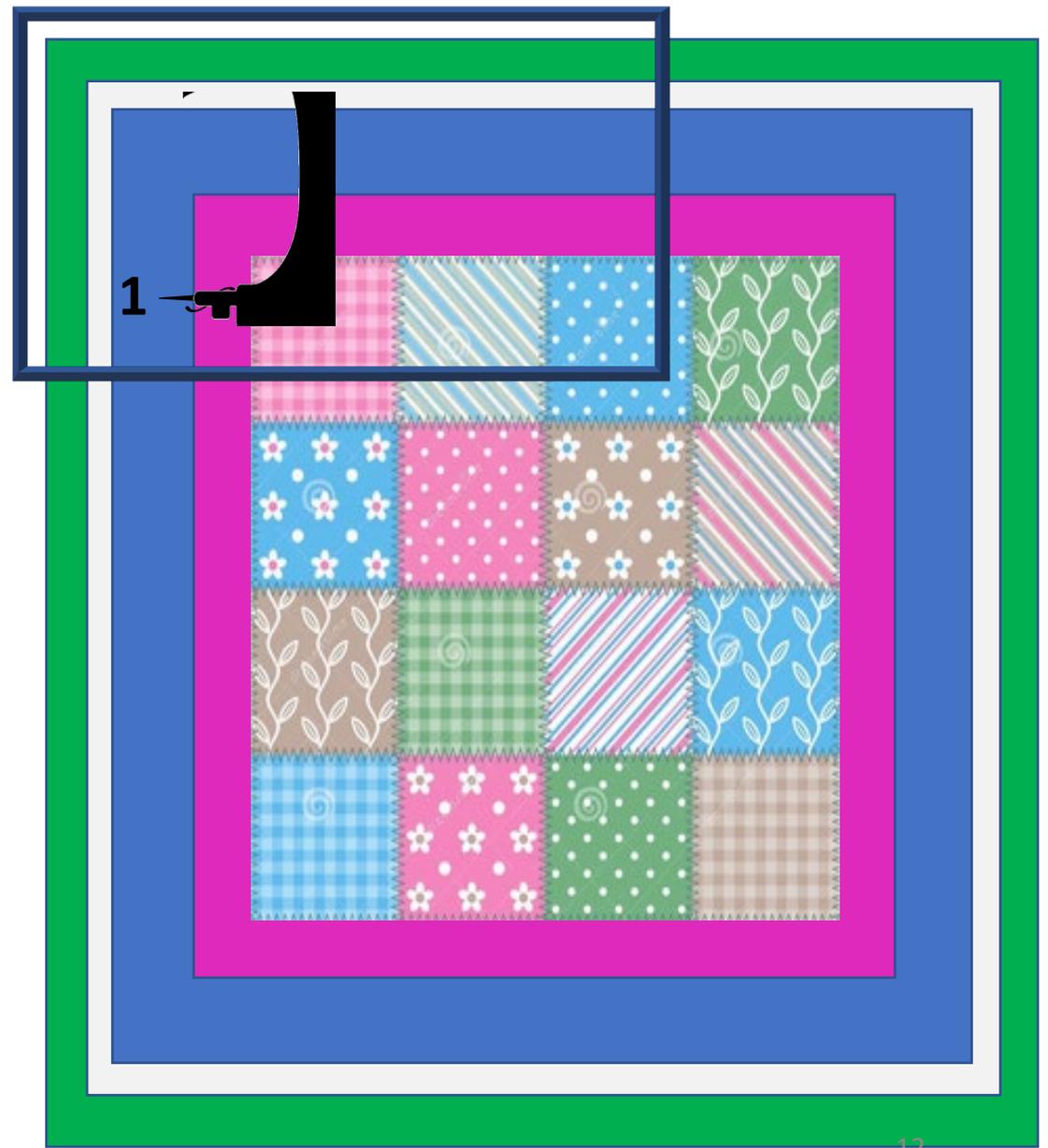
5. Once you feel that it is placed and sized tap on “Quilt” bottom right and sew it out.

1. This is the “Quilting Interface” screen. Move the machine to the where the design will begin sewing. (just guess getting it close it does not have to be exact.)

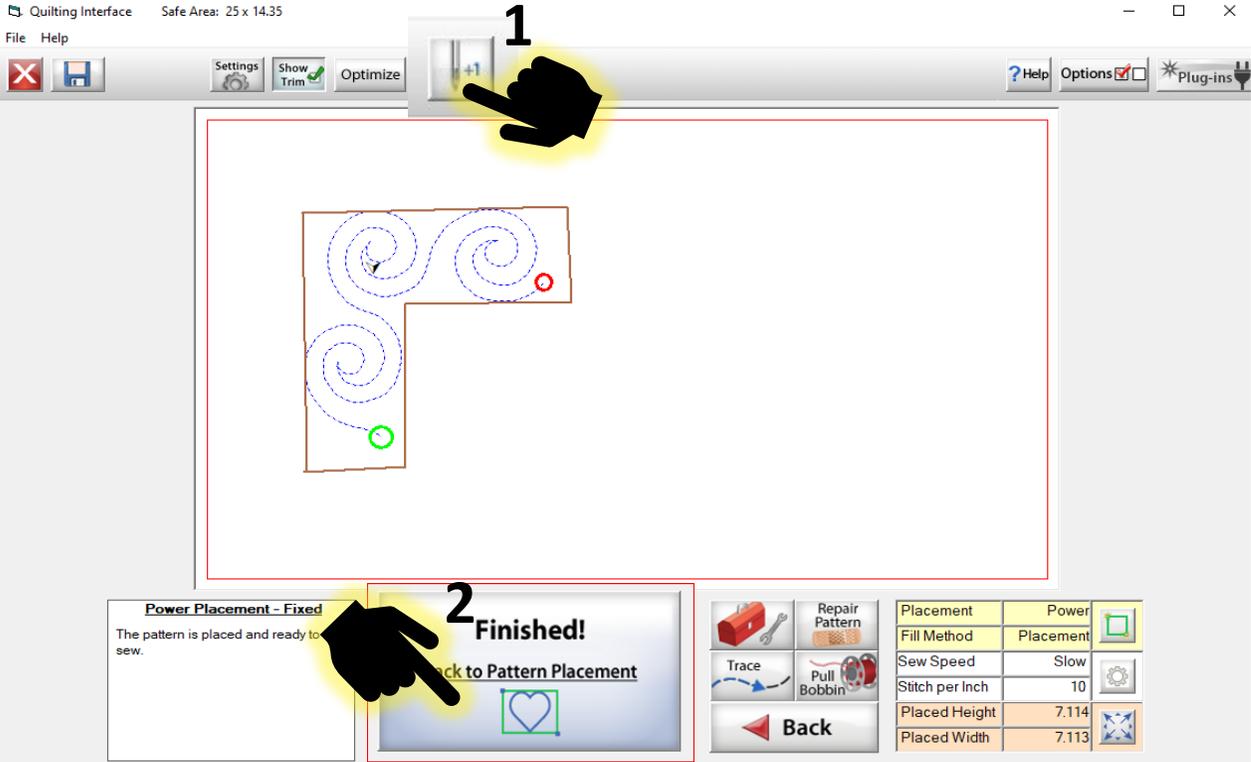


2. Tap on the “Single Stitch” button at the top of the screen, to insert the needle and pull up the bobbin thread. (You may have to tap twice to get the thread up.)

3. Once the thread is up tap on “Sew” the machine will engage and sew out the left corner design.

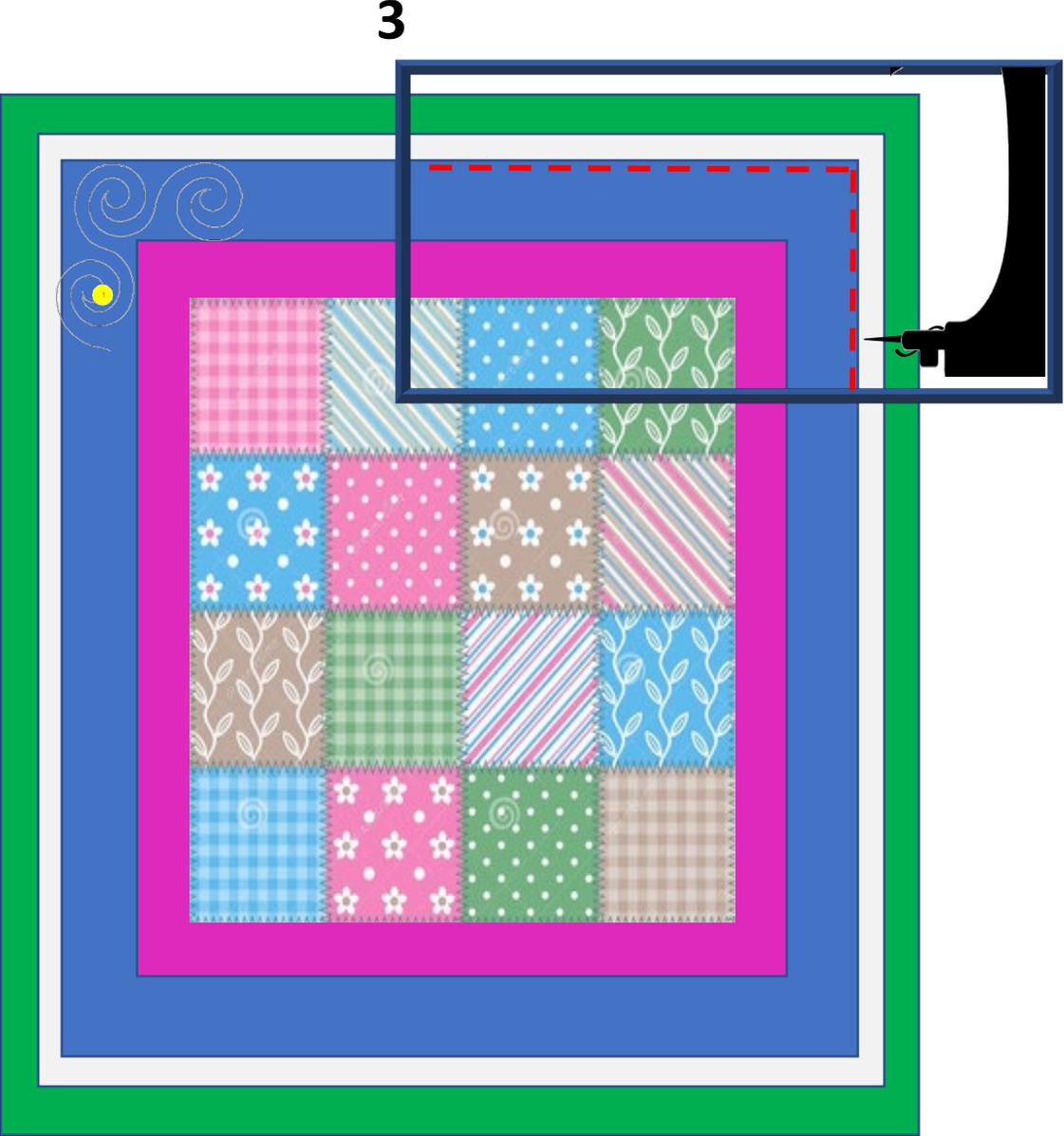


1. After the machine has completed sewing the end of the design, once pull the machine in any direction to make a tail of thread then move back to where it finished sewing and use the “Single Stitch” to once again pull up the bobbin thread and cut.

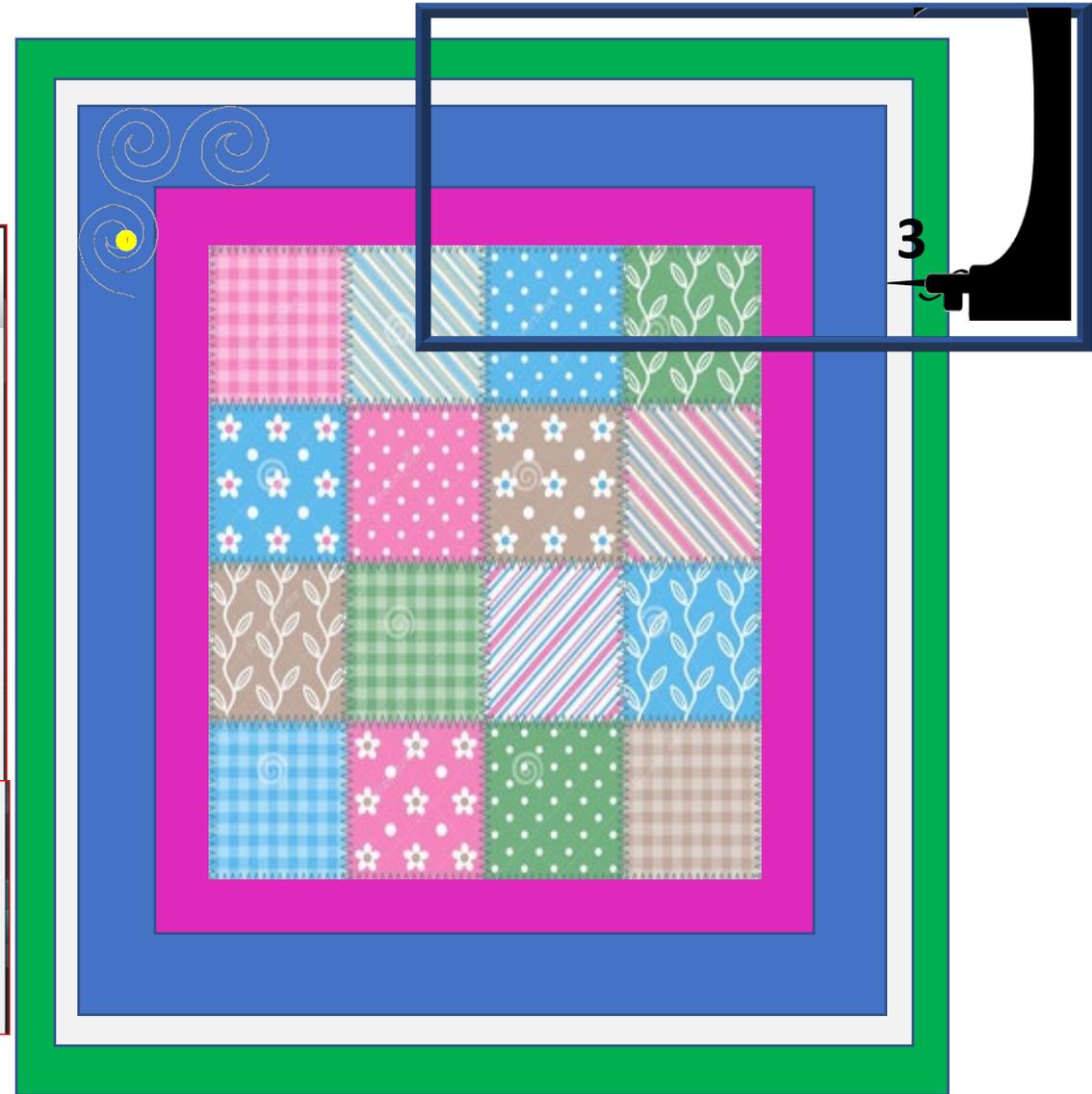
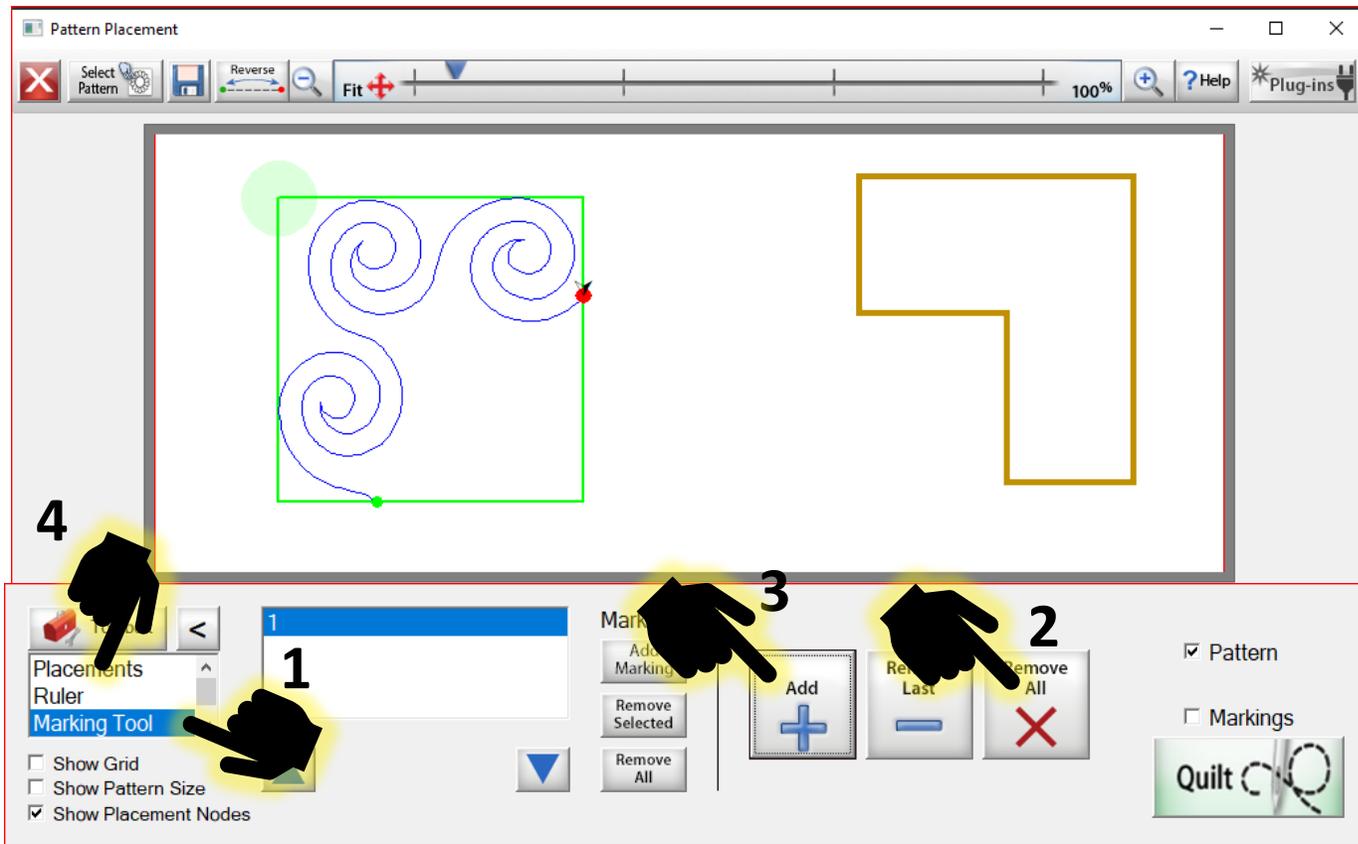


2. Tap on “Finished.”

3. Now let’s shift our quilt top to the right side to sew the right corner. Tack down along the edges of the quilt top.

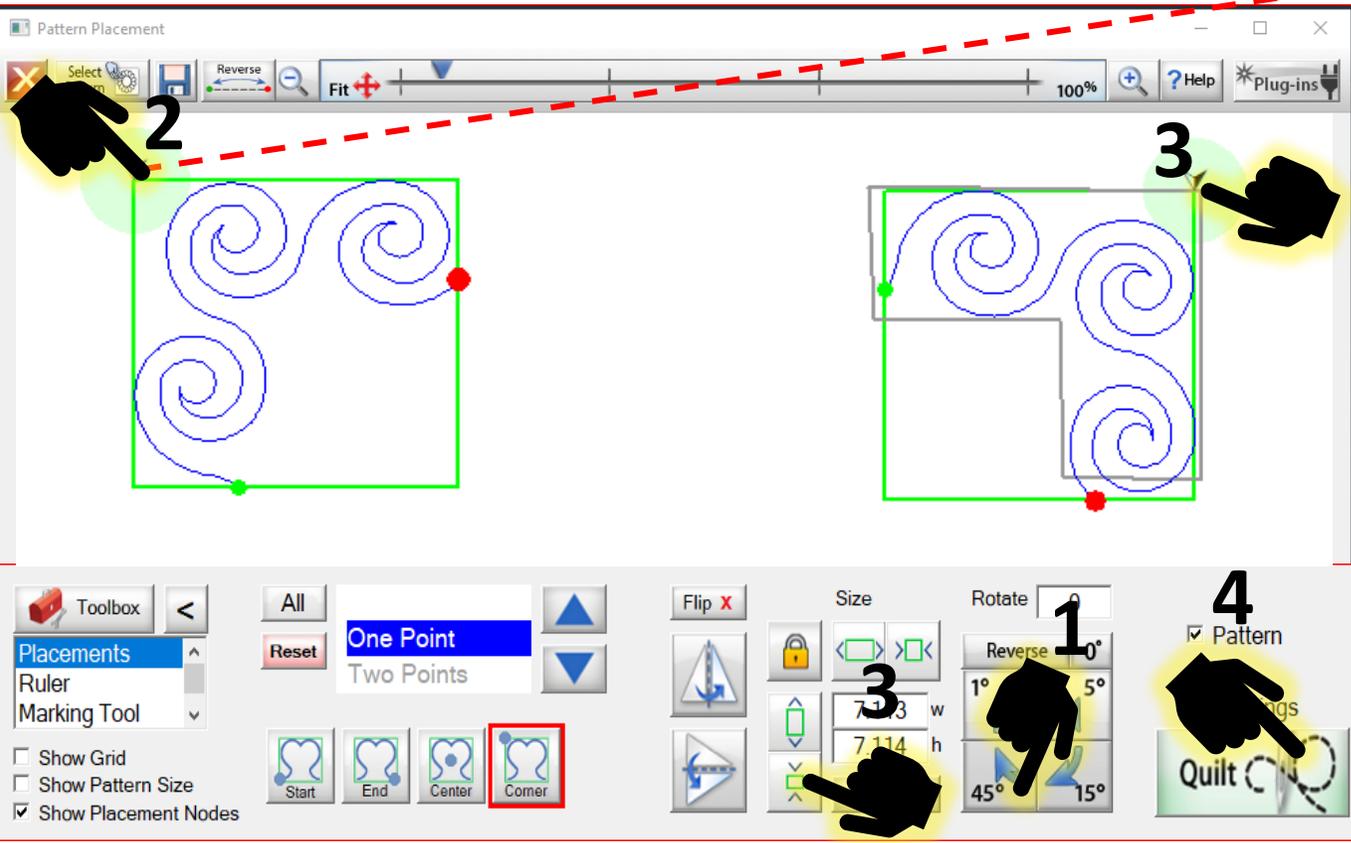
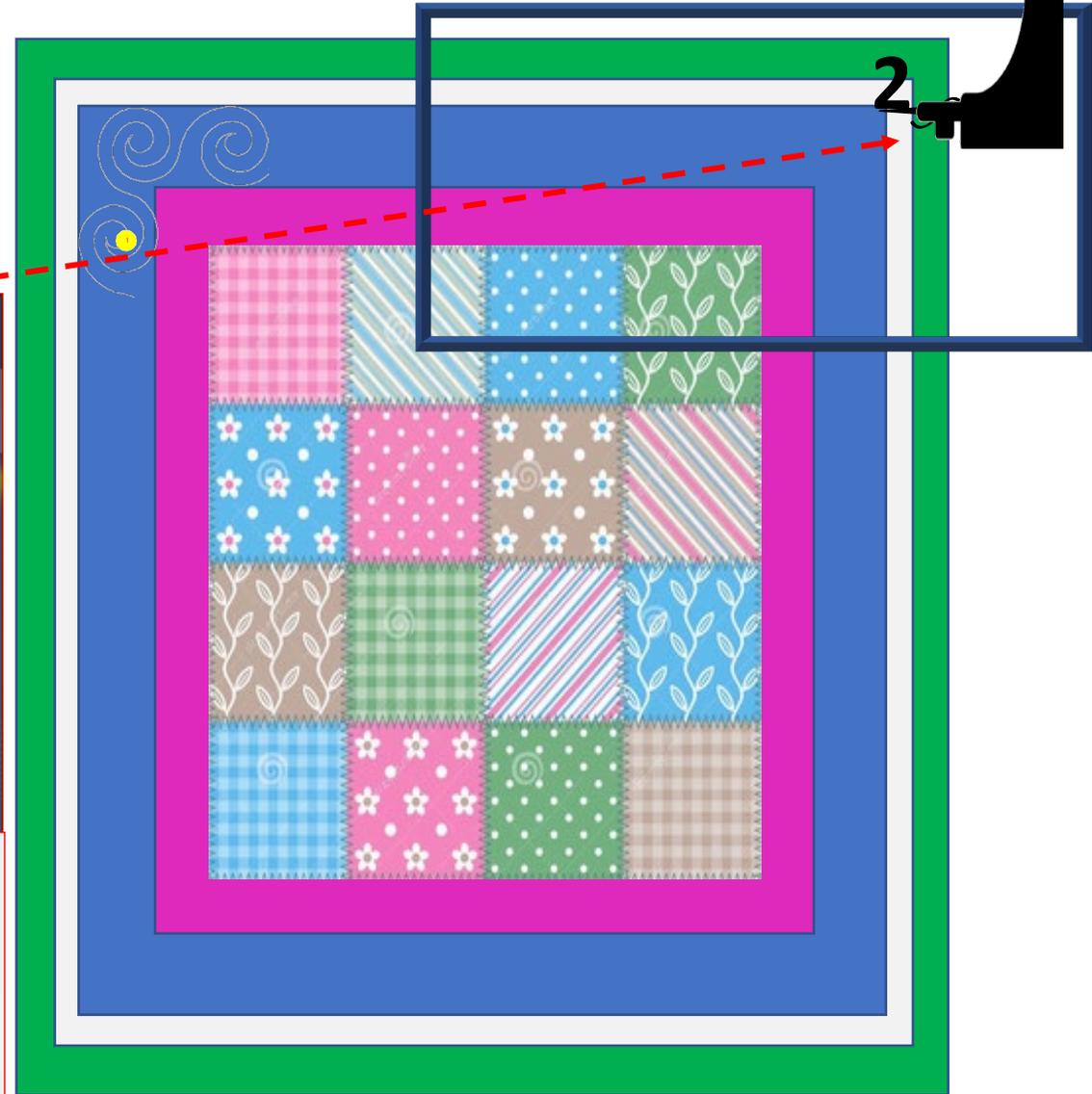


1. Open the “Marking Tool”
2. Tap on “Remove All” to remove the left side markings
3. Mark around the right-side corner border. Reminder to add markings tap on the “Add +.”

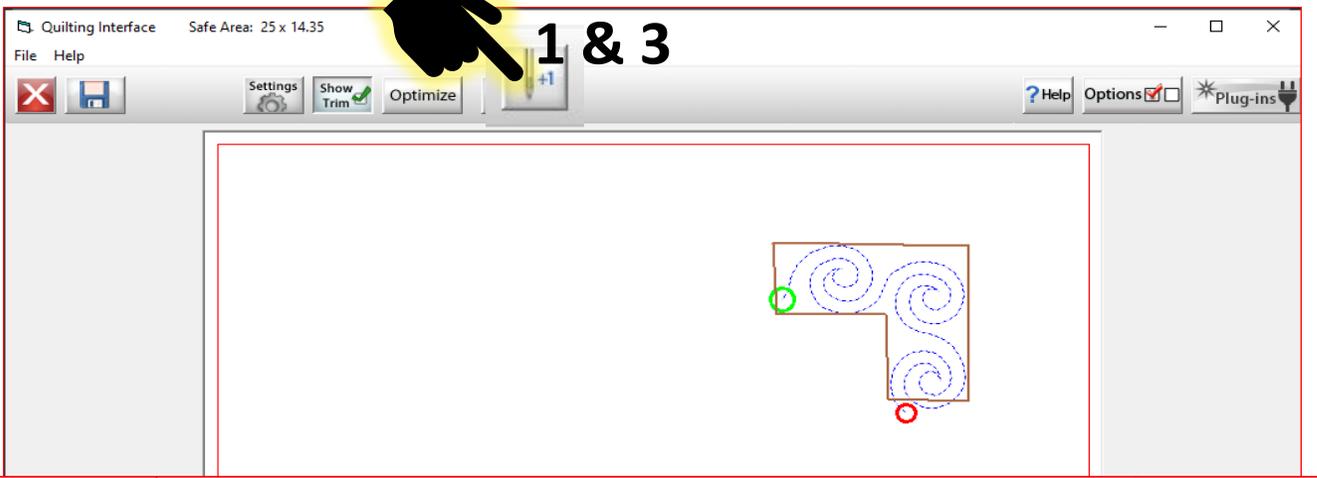


4. Tap on “Placement.”

1. Tap on "Rotate" 45° twice to rotate the design. The design will rotate so that the placement node is now on the top right corner.
2. Move your machine to the top right corner of the border then tap on the "Placement Node."
3. Because the corner has already been sized to fit the left side, all you need to do is align and place it.



4. Tap on "Quilt."



Power Placement - Fixed
The pattern is placed and ready to sew.

2

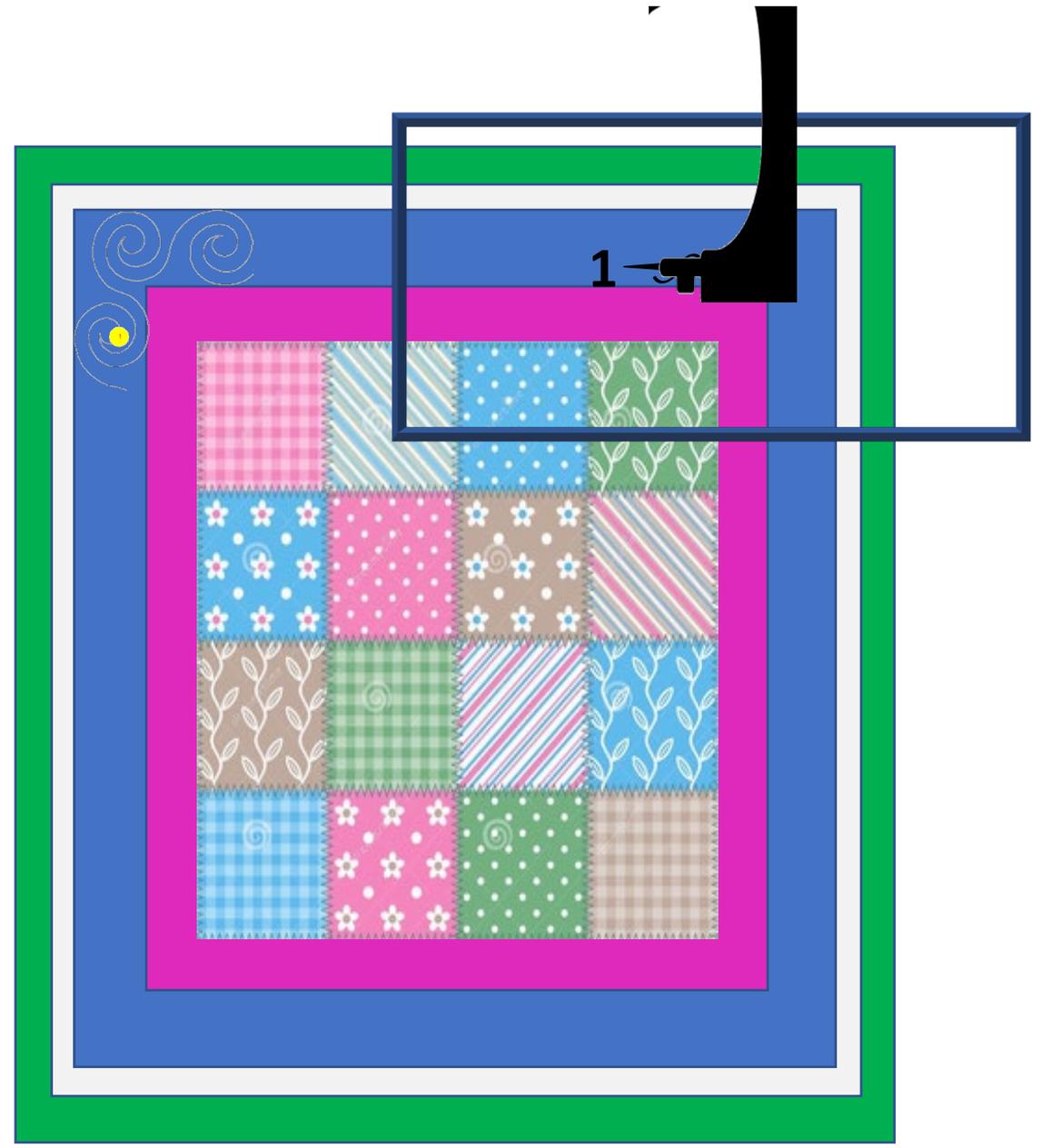
Repair Pattern

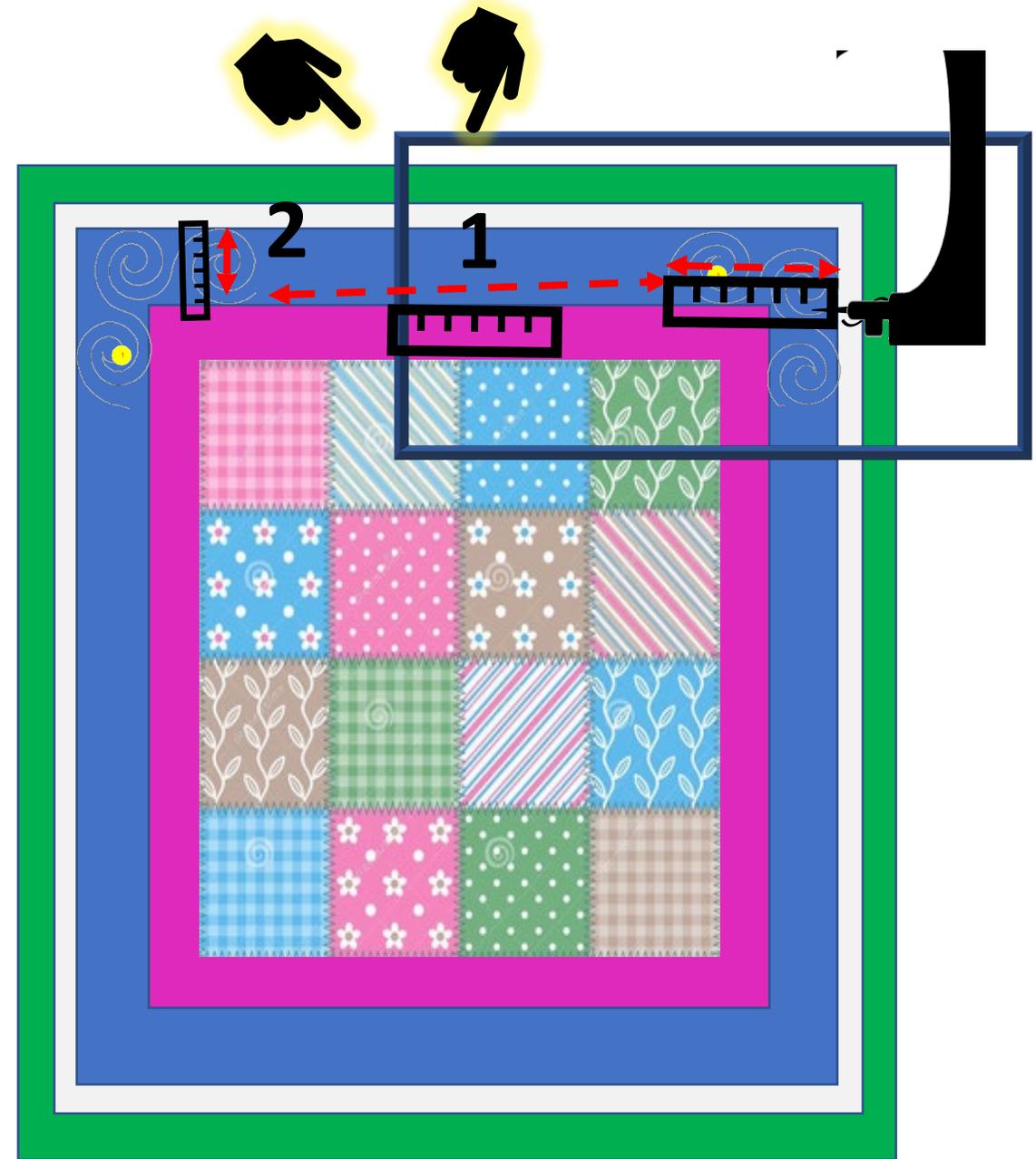
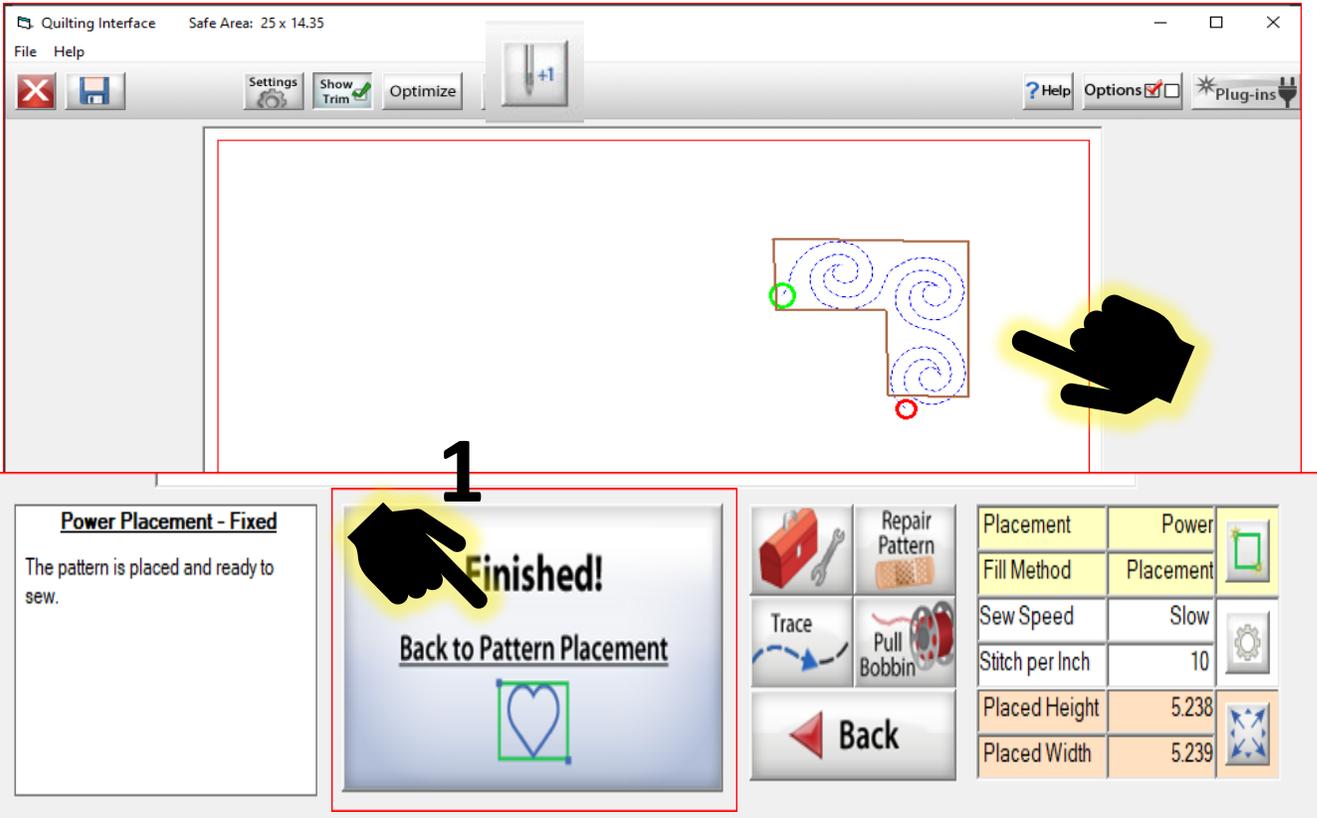
Trace Pull Bobbin

Back

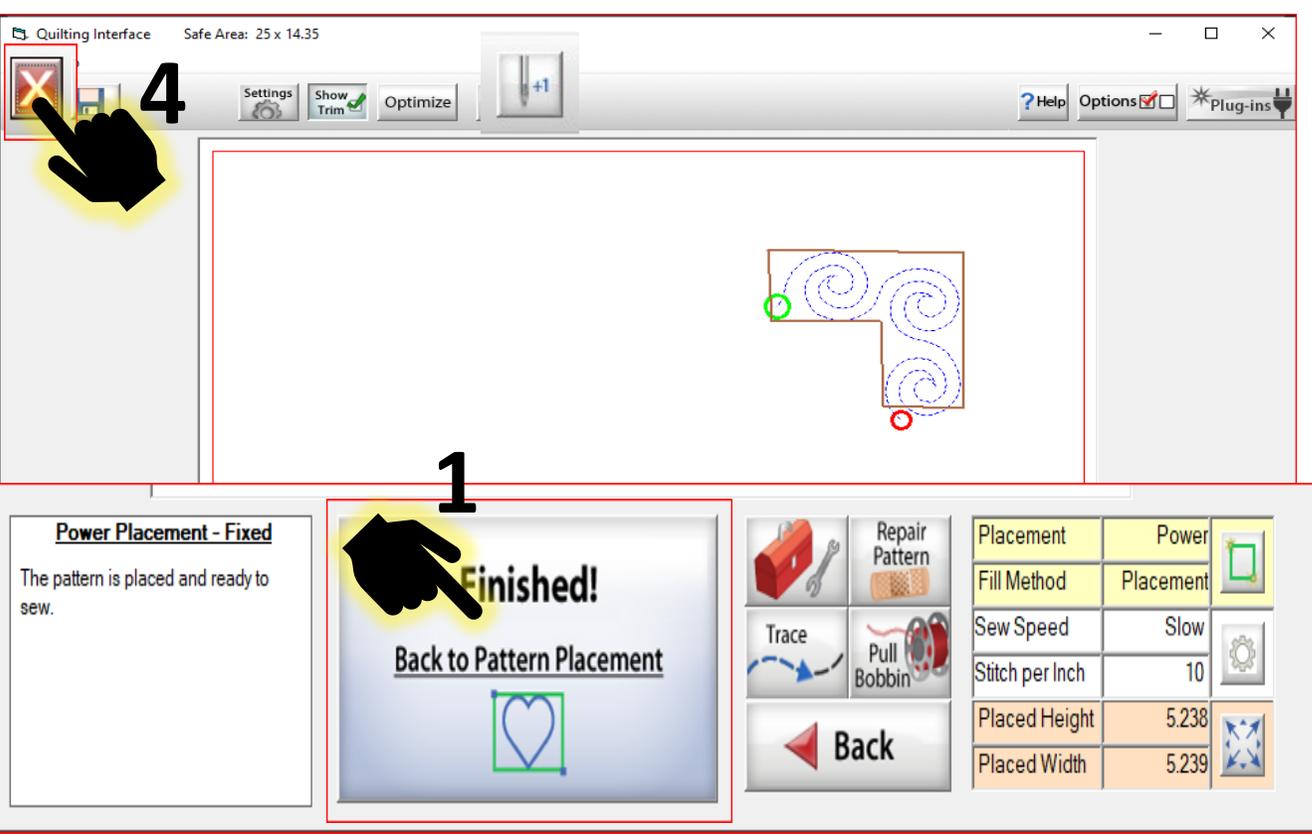
Placement	Power
Fill Method	Placement
Sew Speed	Slow
Stitch per Inch	10
Placed Height	5.238
Placed Width	5.239

1. Move the machine near the start point of the design on the quilt top. Use the "Single Stitch" to pull up the bobbin thread.
2. Tap on "Sew" once the tie off stitches are complete cut the excess thread tails and stand back to let it sew.
3. When the design has completed once again pull the machine to make a thread tail, then move it back to where it completed sewing and use the "Single Stitch" at the top of the screen. Cut the excess threads.

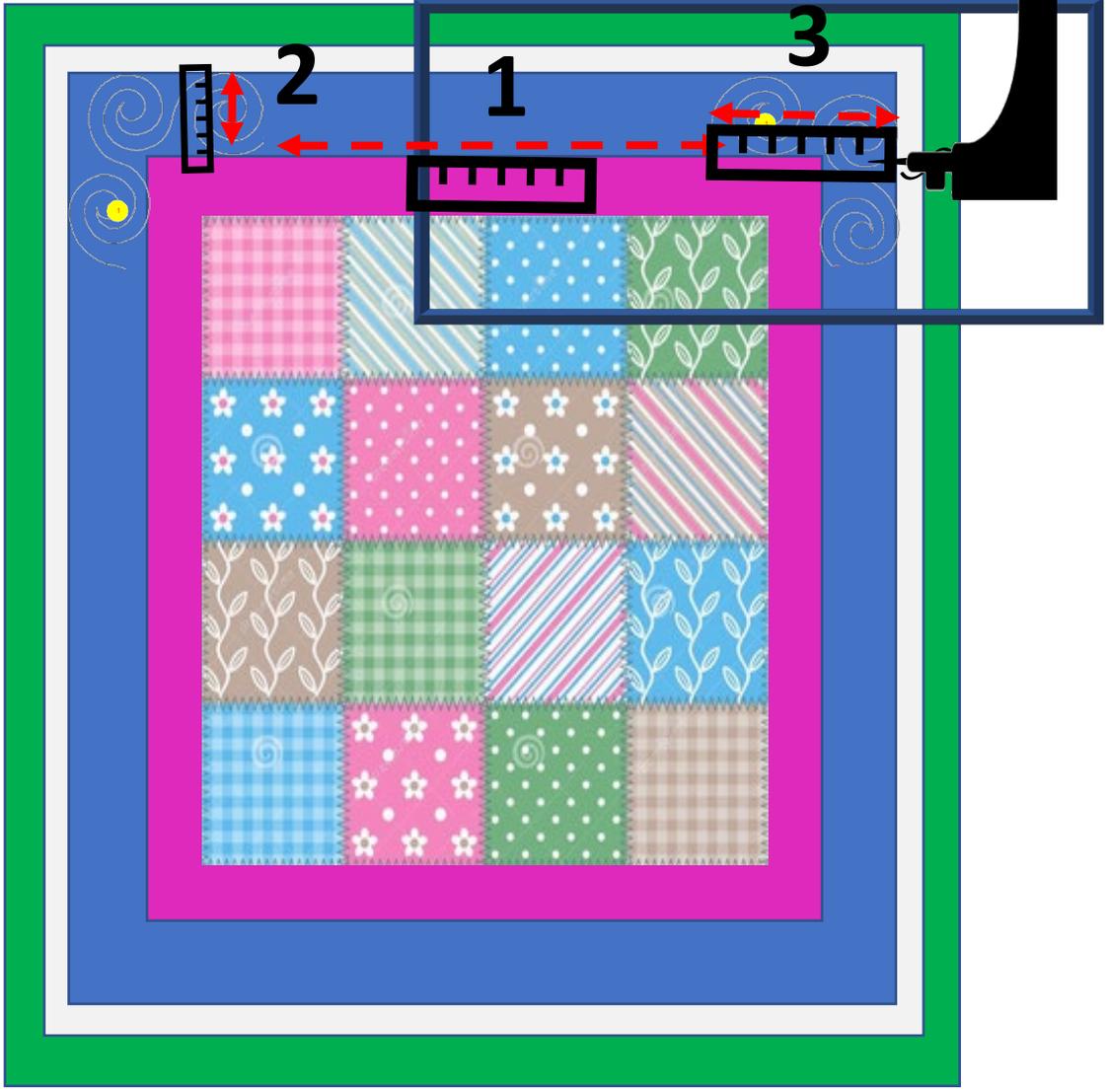




1. Tap on "Finished." Now measure the width/distance between the left end to the right end and write it down. Now we need to measure the depth/height of a single spiral.
2. Measure from the top edge of the design to the bottom edge and write down this measurement.
3. Another way to get the width/distance between the corners is to measure from the left or right side in to where the corner design ended sewing this once you have this you will double it for both sides then subtract from the border width.



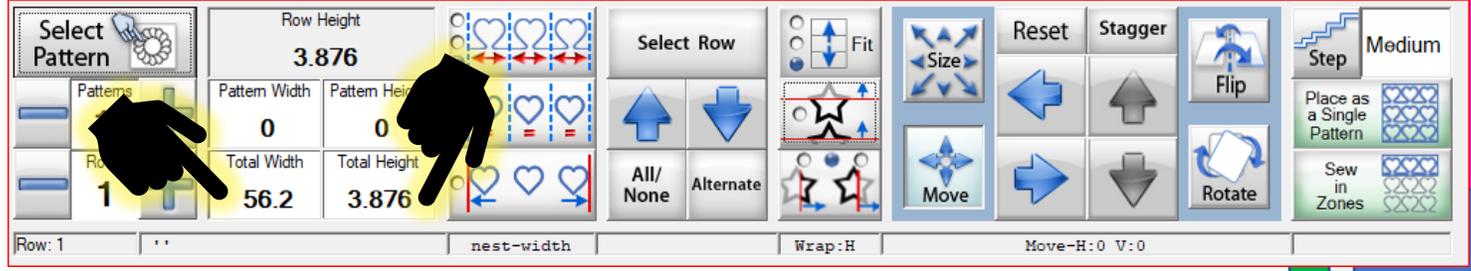
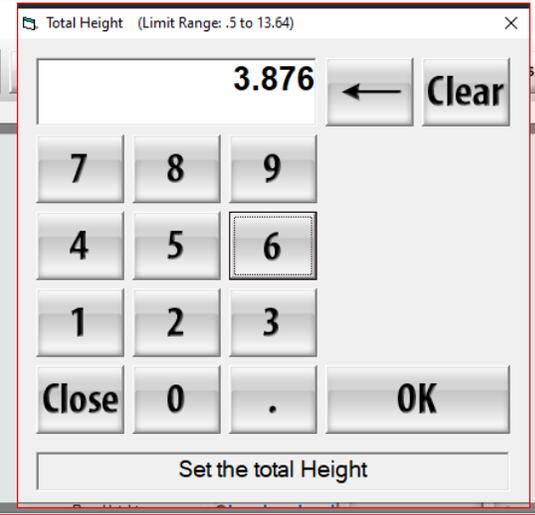
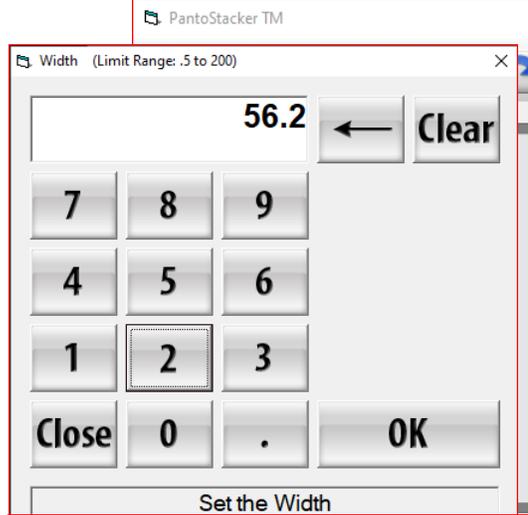
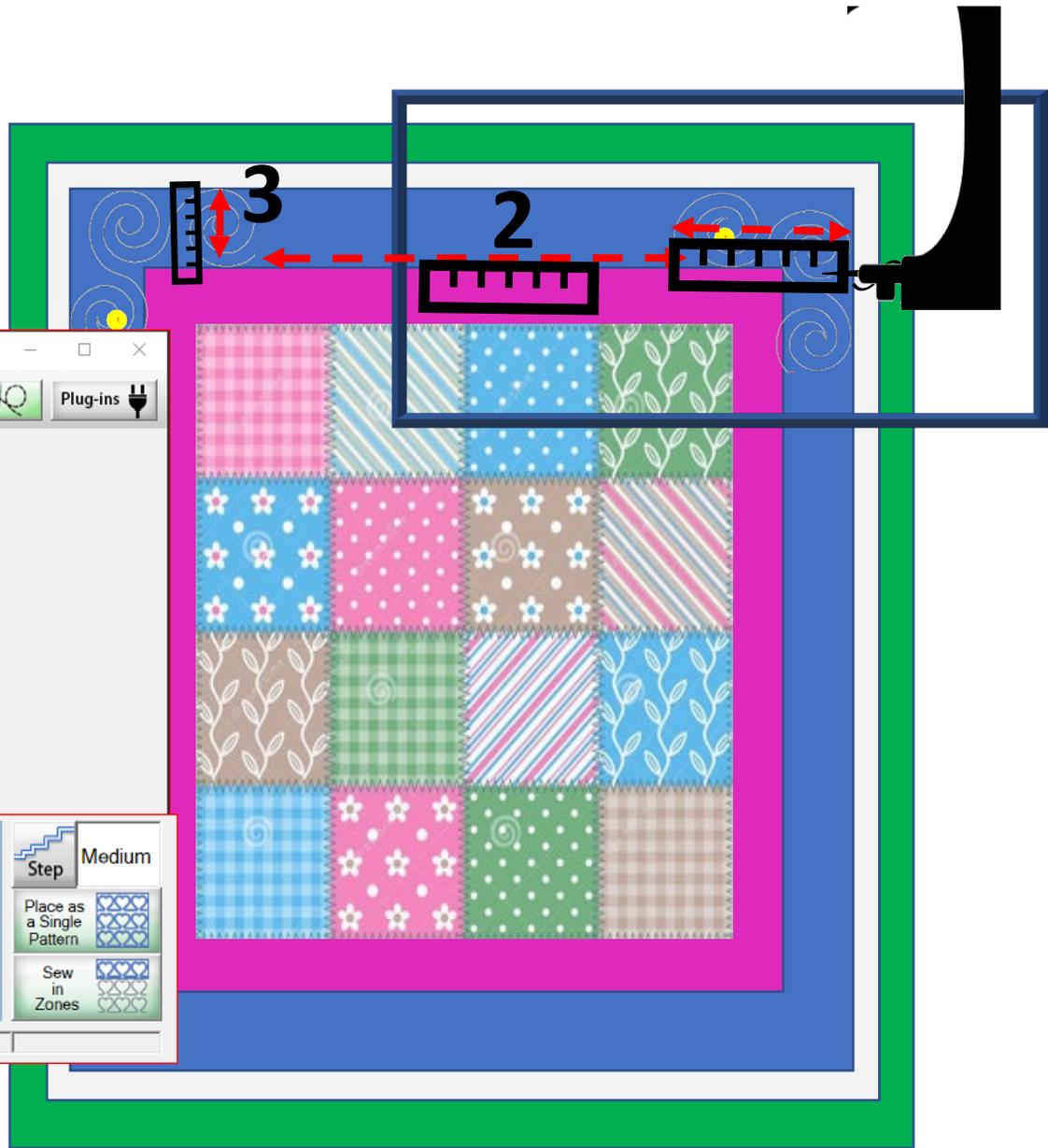
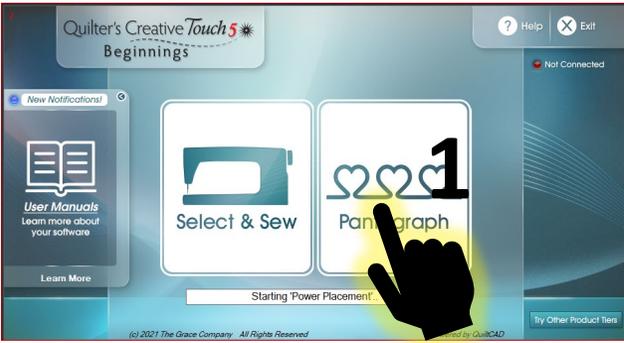
1. Tap on "Finished." Now measure the width/distance between the left end to the right end and write it down. (56.257)



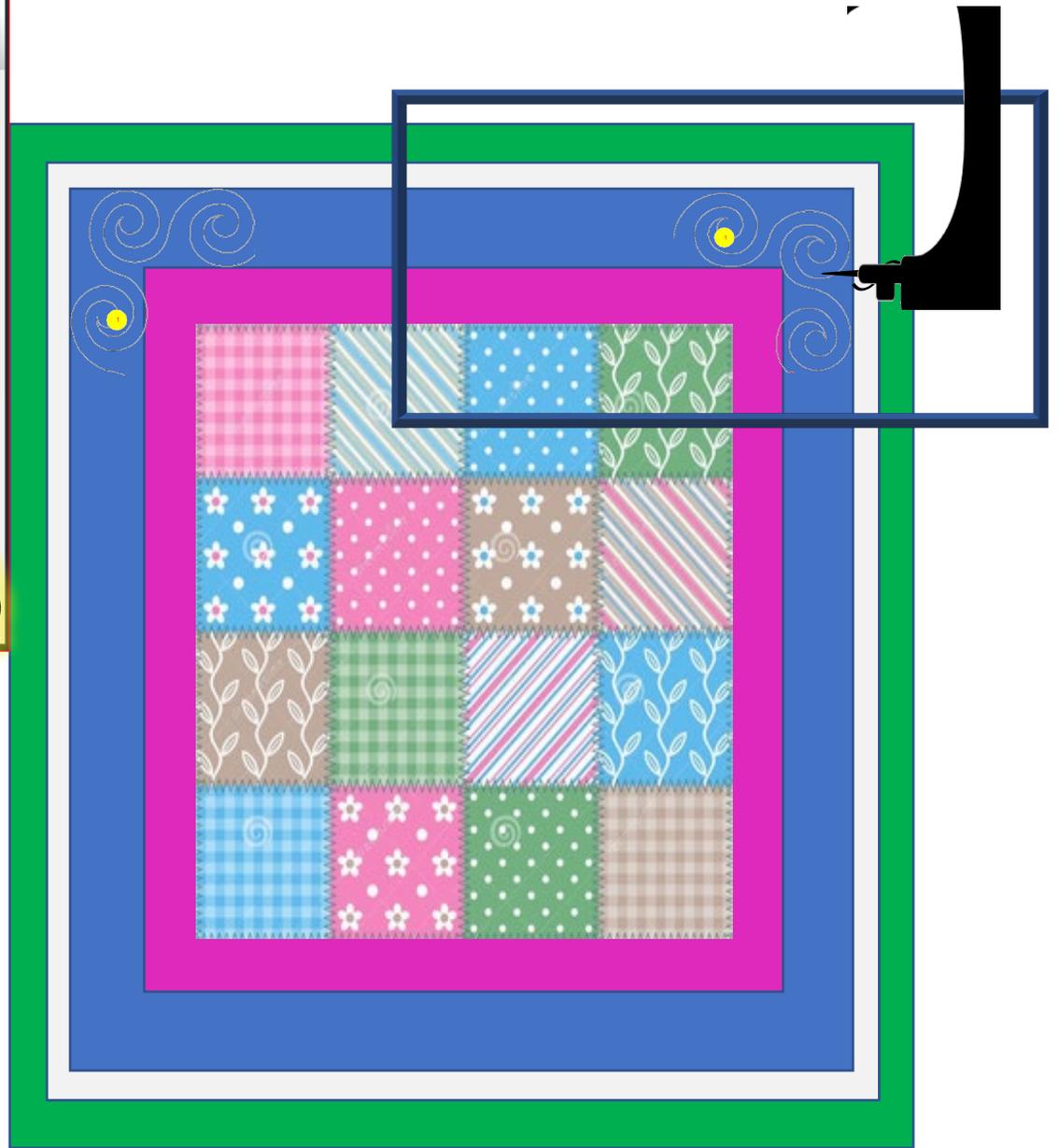
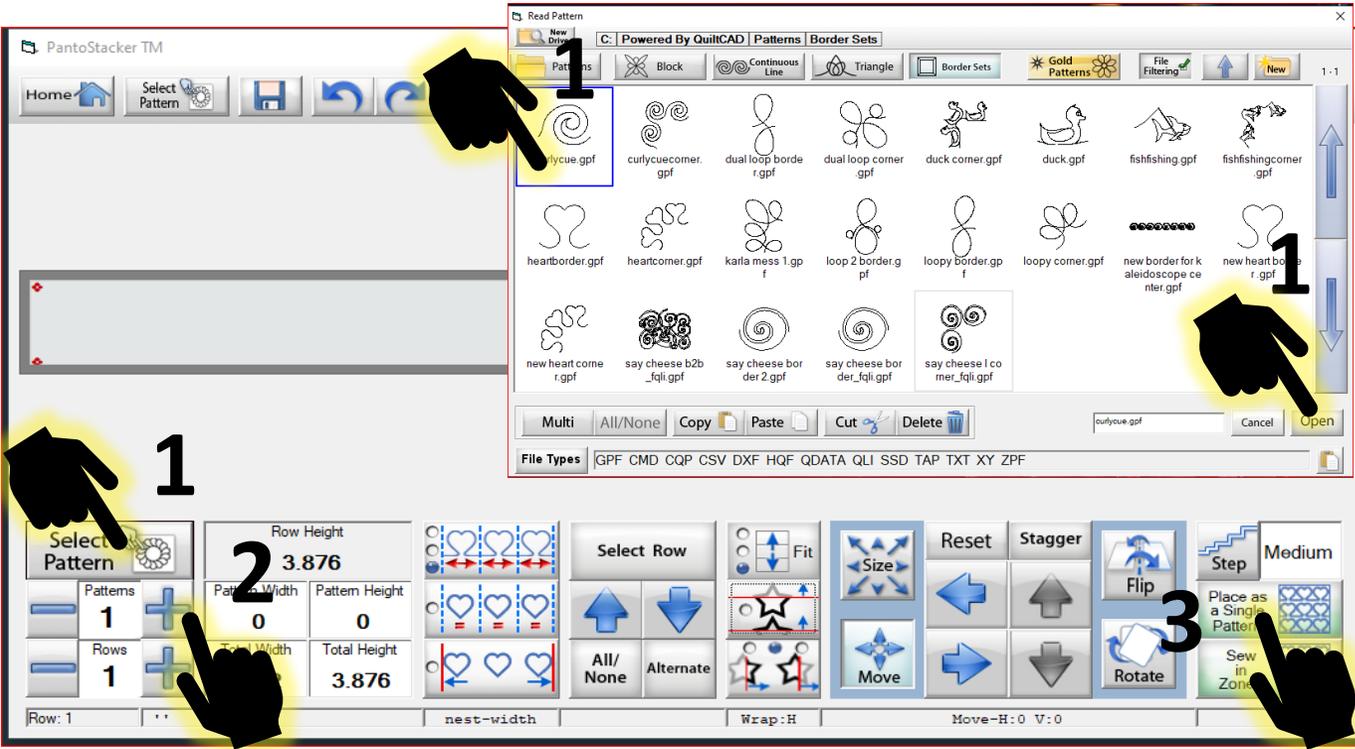
2. To measure the height of a single design, measure from the top edge of the design to the bottom edge and write down this measurement. Mine will be (3.876)

3. Another way to get the width/distance between the corners is to measure from the left or right side in to where the corner design ended sewing this once you have this you will double it for both sides then subtract from the border width. (7.50 X 2 = 15) (71-15 = 56)

4. Tap on the red X located at the top left of the screen to exit the "Power Placement" screen and go to the home page.



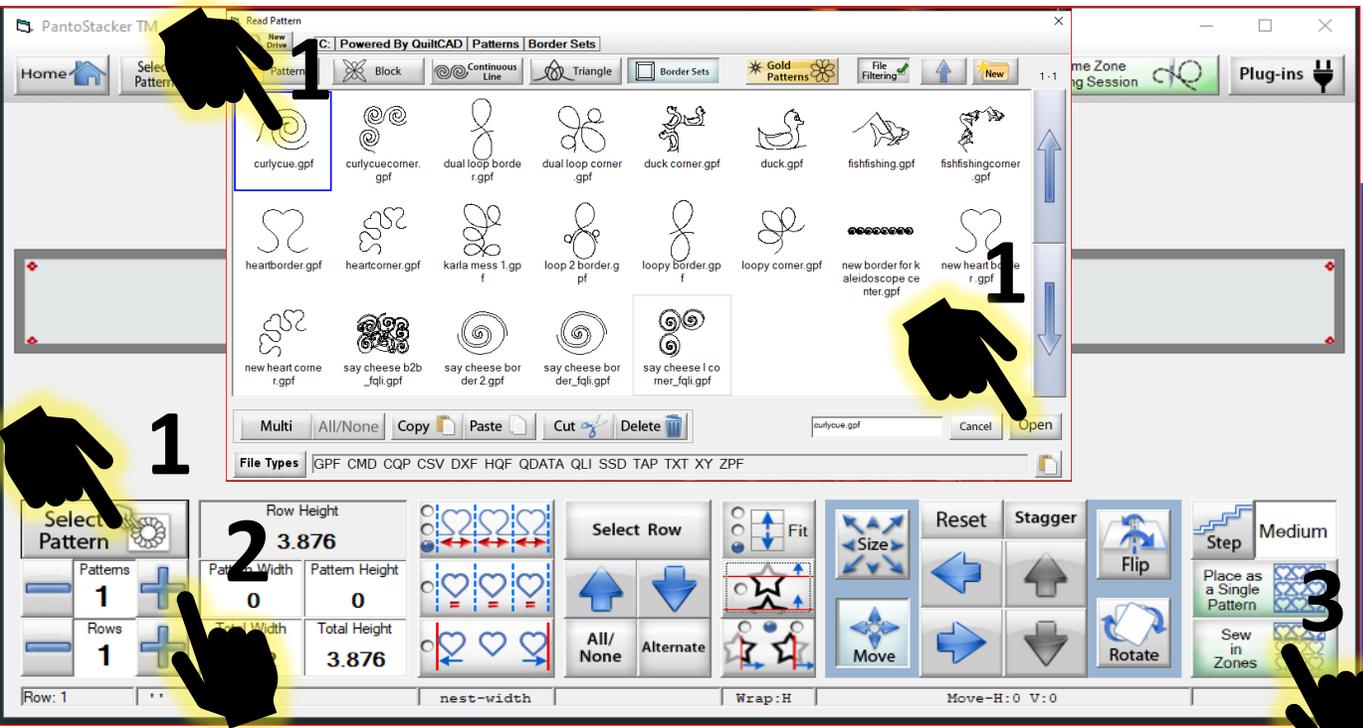
Let's put our measurements in for the border. Tap on the "Total Width" enter the measurements (56.2). Tap on the "Total Height" enter those measurements (3.86).



Tap on “Select Pattern” choose your single border design.

Add “Patterns” by tapping on the blue + next to it, keep adding until you feel it is the right amount. I have chosen 13 for this demonstration.

Tap on “Place as a Single Pattern.”

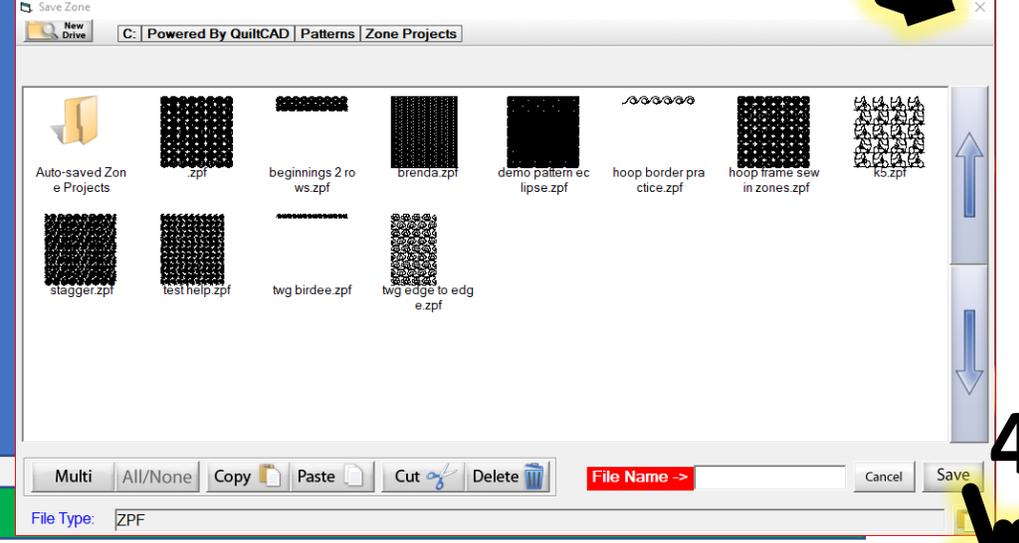
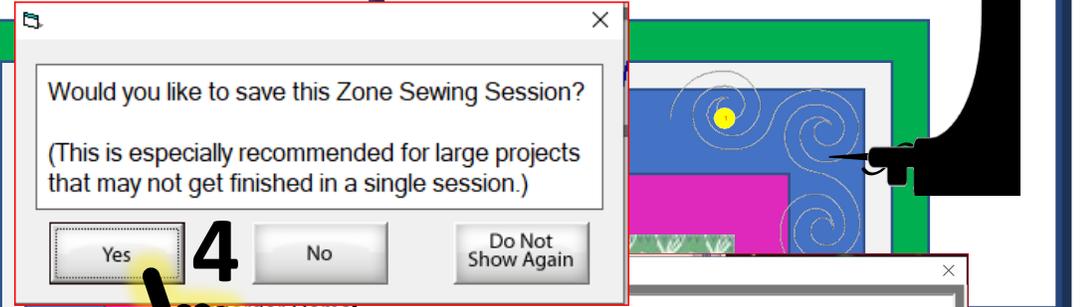


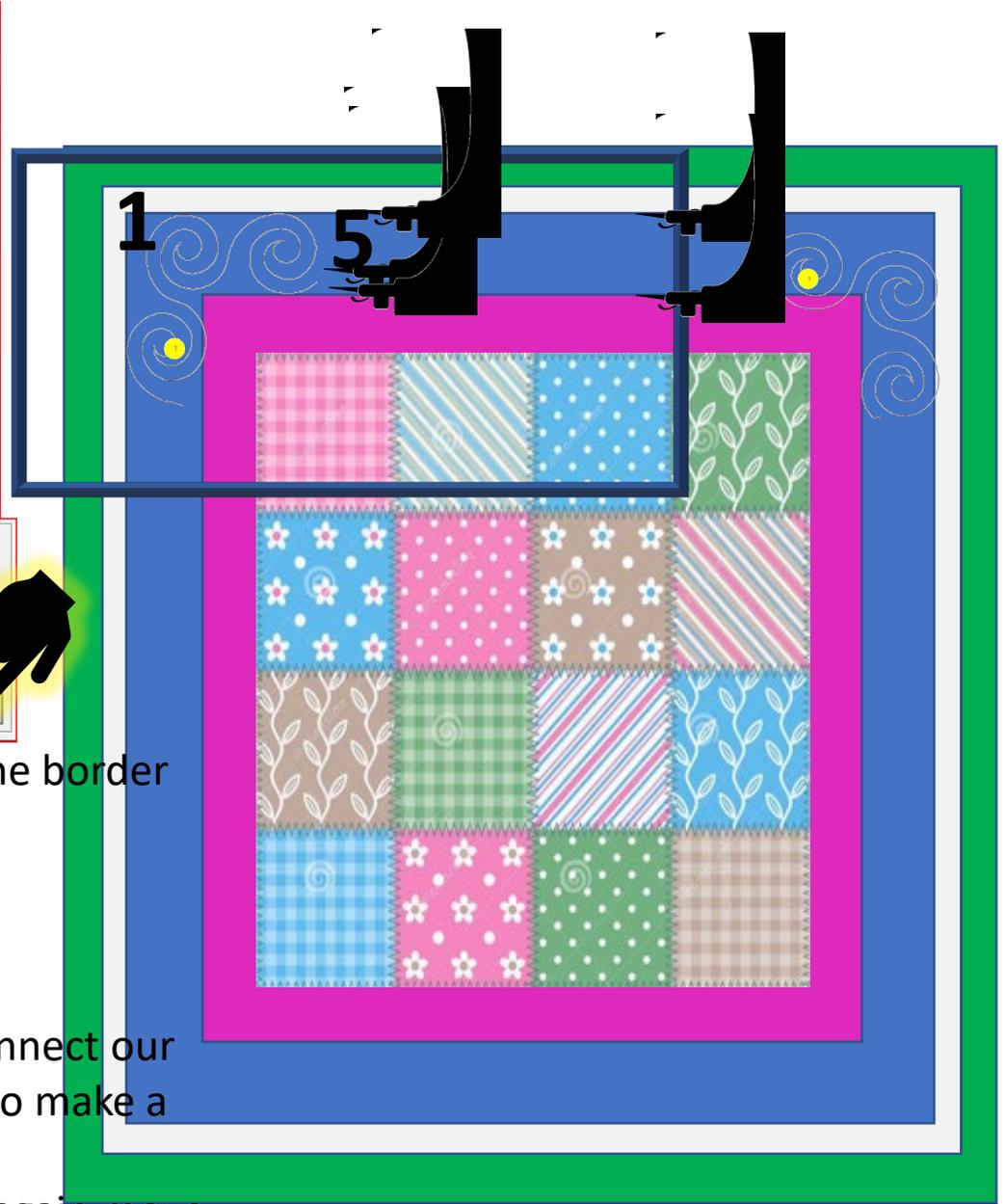
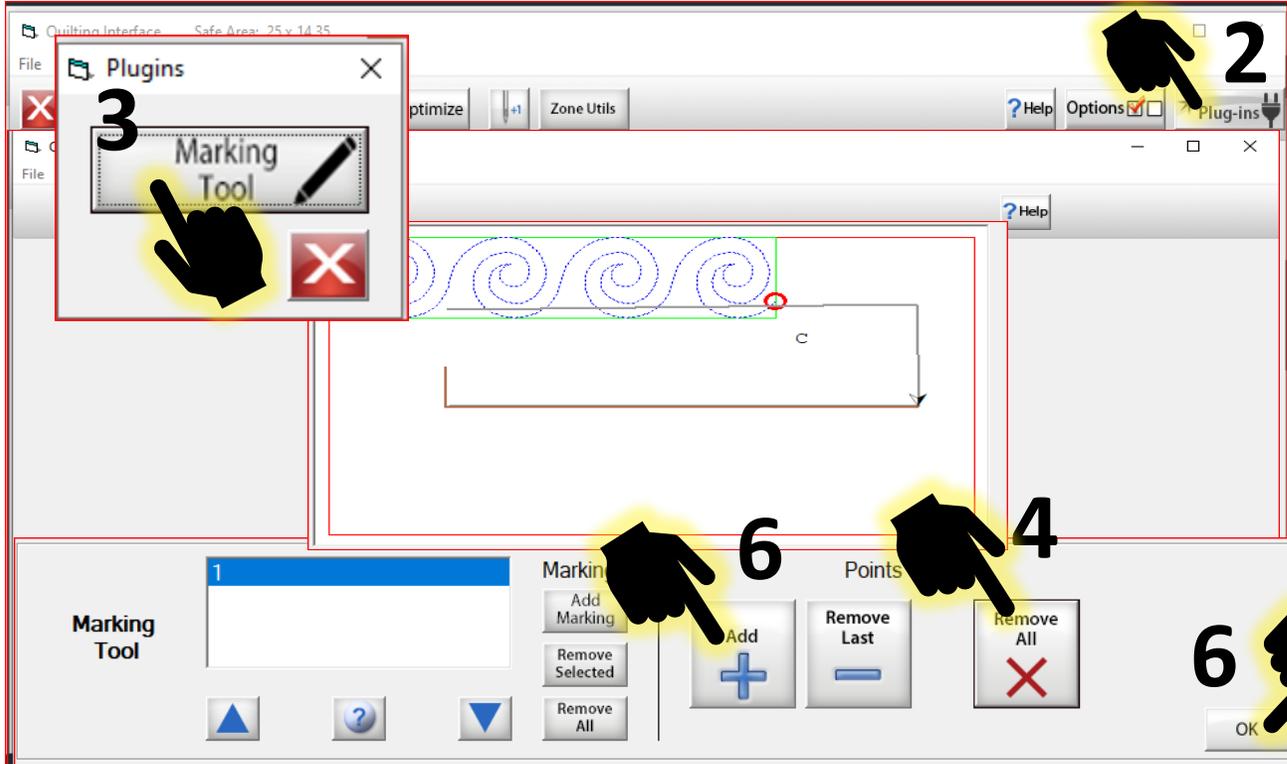
Tap on "Select Pattern" choose your single border design and open.

Add "Patterns" by tapping on the blue + next to it, keep adding until you feel it is the right amount. I have chosen 13 for this demonstration.

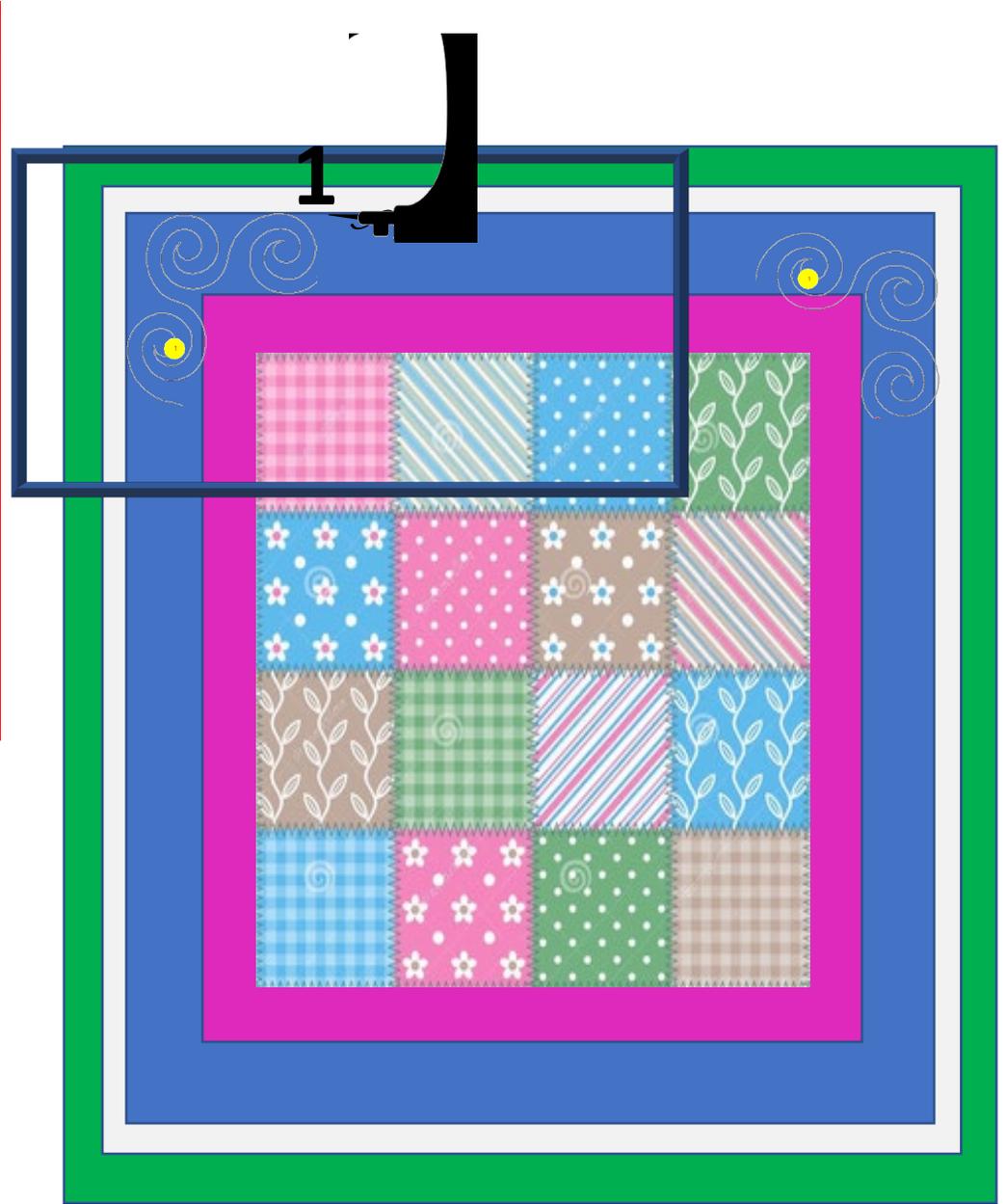
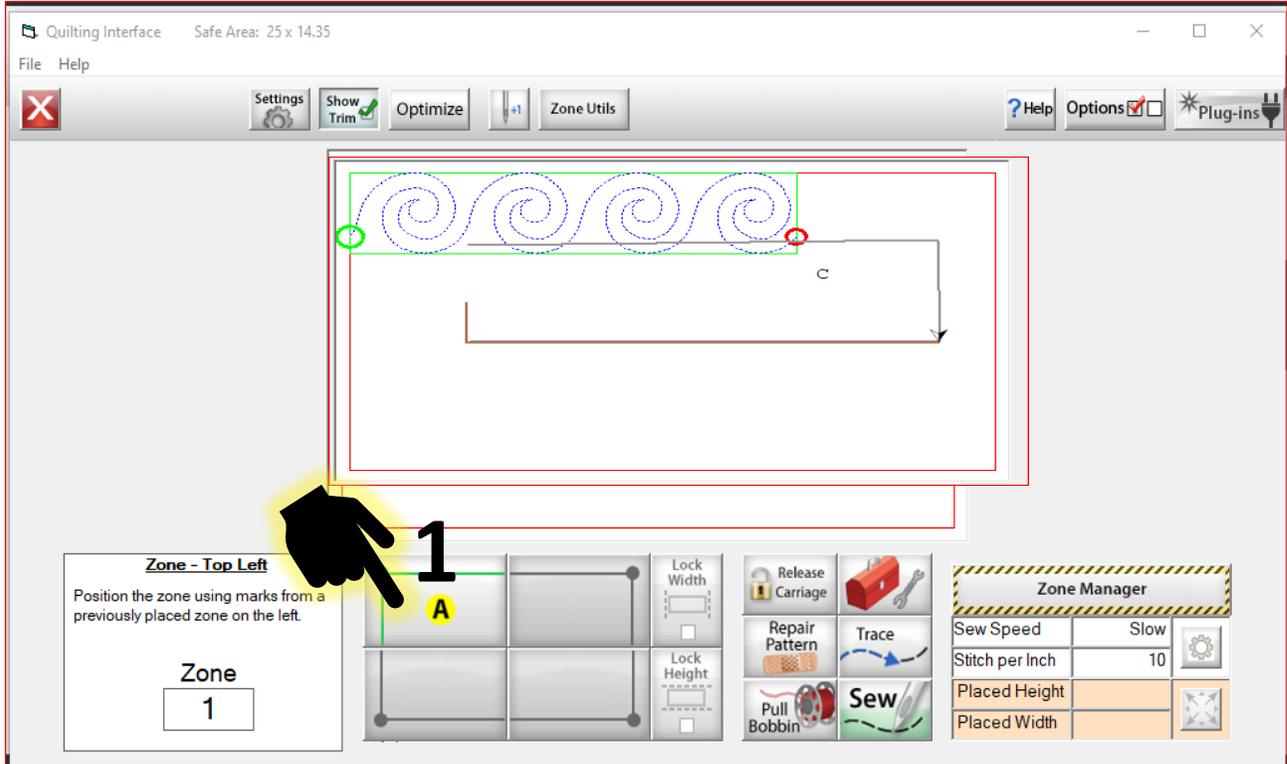
Tap on "Sew in Zones."

Save the top border to use for the bottom border. When asked to save tap on "Yes" then name the border tap on "Enter" then tap on "Save."

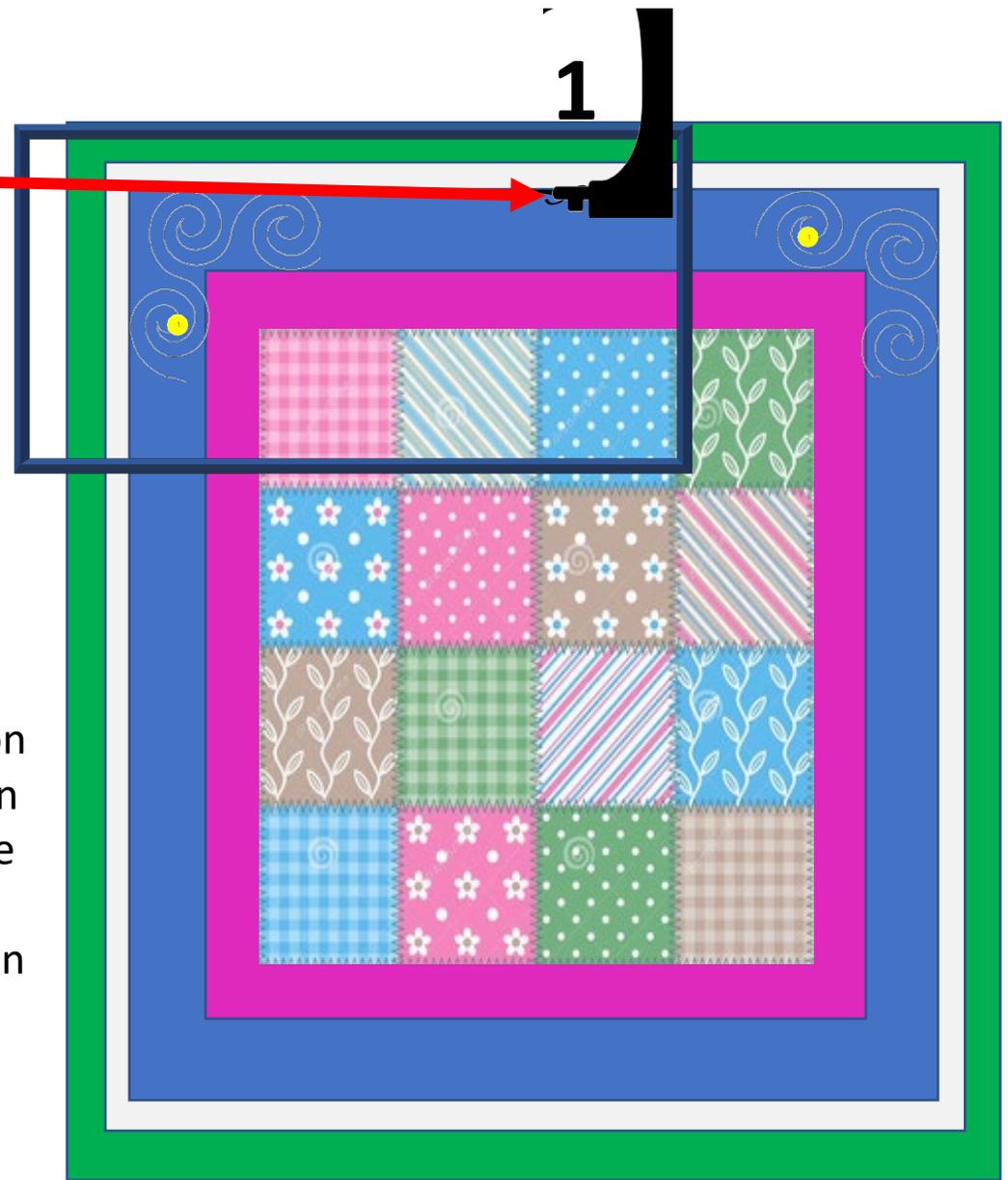
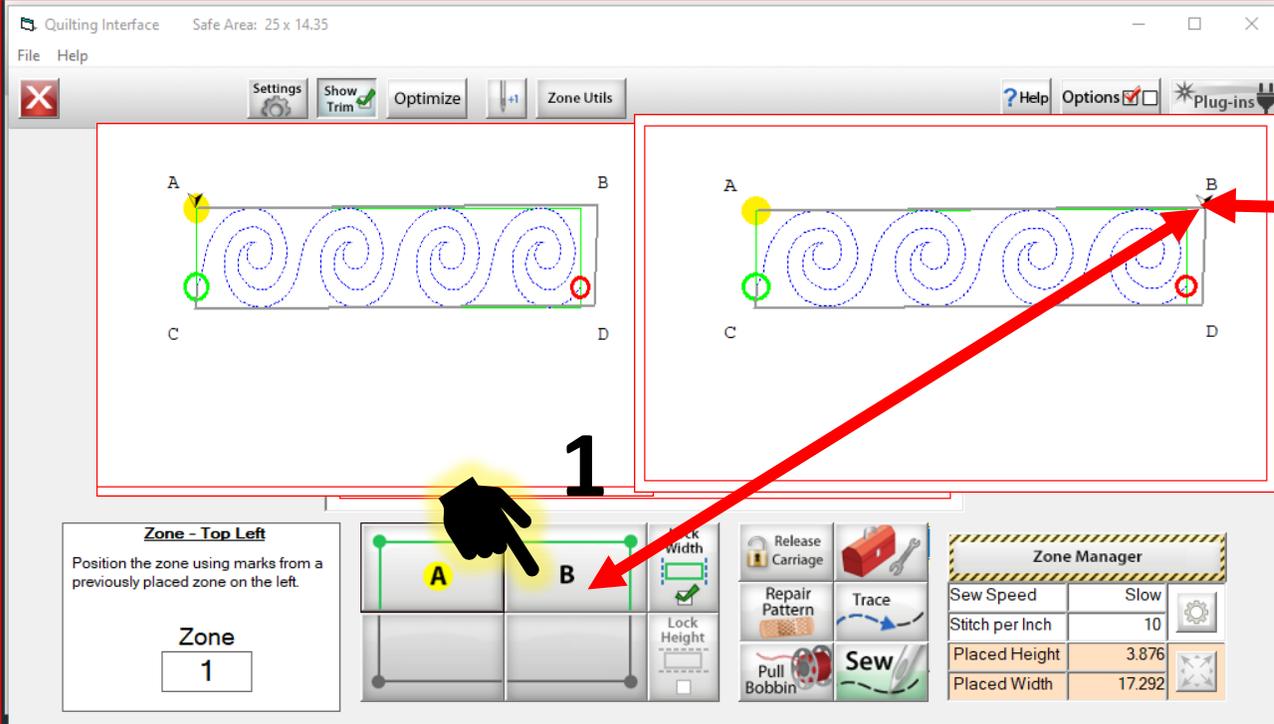




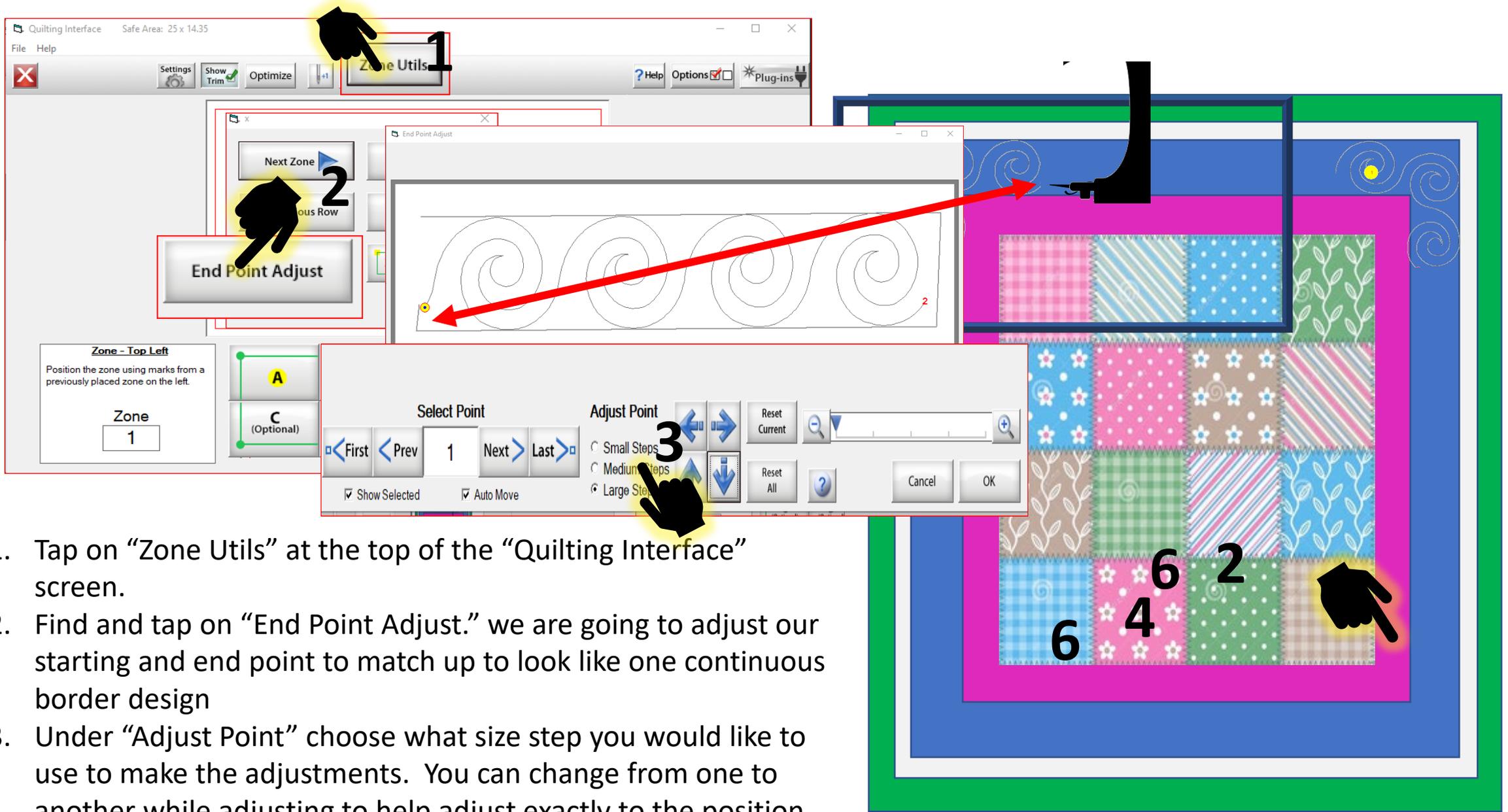
1. Shift the quilt back to the left side to begin marking to place the border section.
2. Tap on “Plug-Ins” top right of the screen.
3. Tap on “Marking Tool.”
4. Tap on “Remove All.”
5. Let’s add a mark where the machine should start sewing to connect our border design with our left corner end point. Tap on “Add +” to make a mark.
6. Move down to the bottom edge of the border tap on “Add +” again move across the bottom edge as far as you can tap again on “Add + now move up to the top edge “Add +” and across the top. Tap on “OK” to Exit.



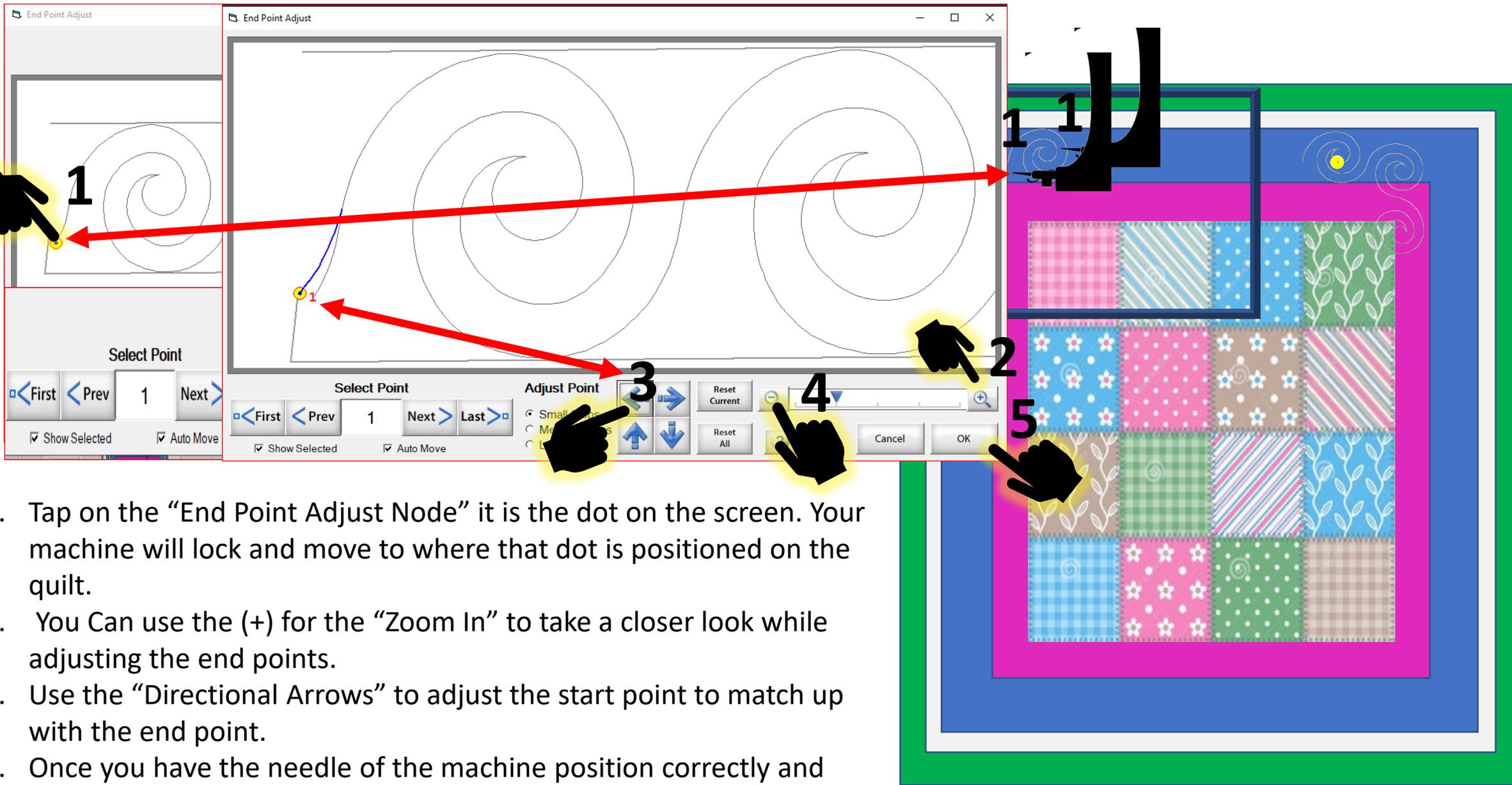
1. Now that we have the “Markings” we can place our border and align it to sew correctly onto the border section of the quilt top. Move the machine straight up from the end point of the design along the top edge of the border and tap on “A” placement. Notice how the design shifted with in the border markings, now with the “A” placement completed the “B” will open.



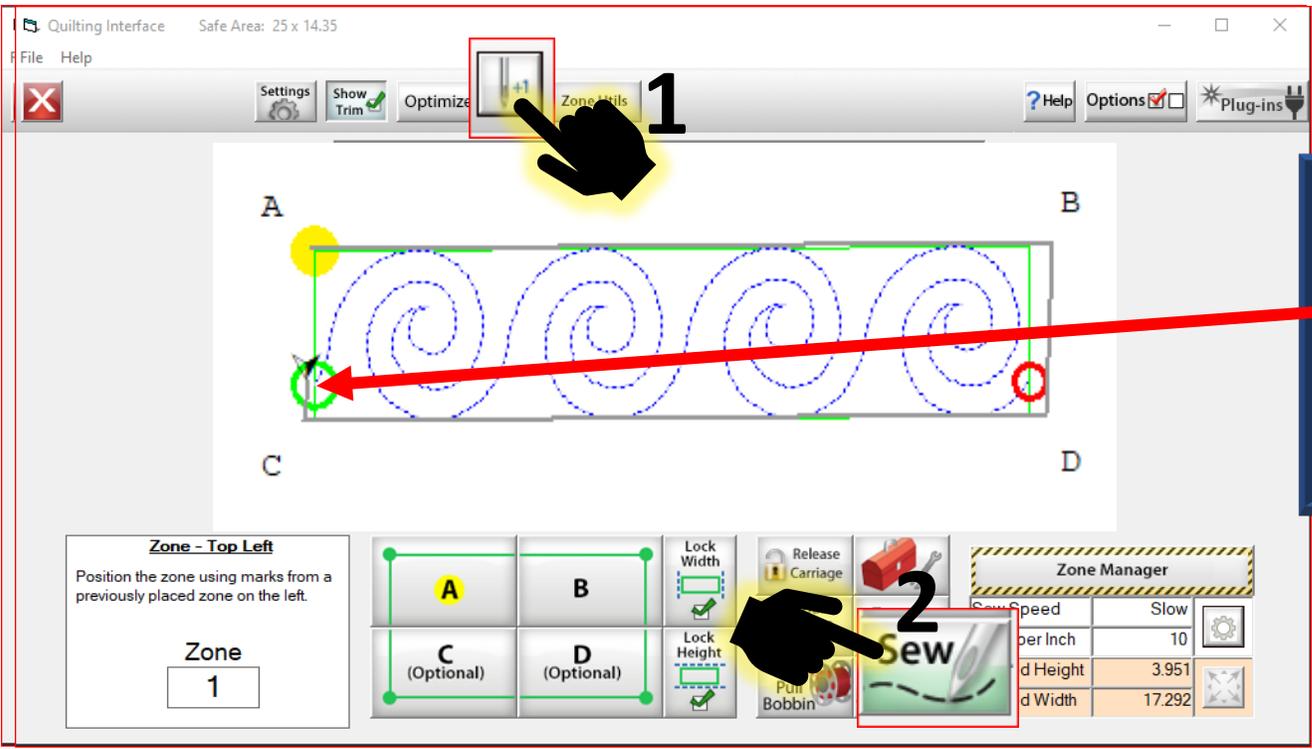
1. Move the machine along the top edge of the border then tap on "B" Placement. Notice how the design aligns to the markings on the screen and how the start point is matching very close to the end point of the left corner. Using the marking tool will take a bit of extra time but is worth it when it helps to place the design accurately. Once the "B" placement has been placed you will see the "C" and "D" placements open. These are optional and for the border we will not use them. Later while quilting our center section edge-to-edge, we will use these placements.



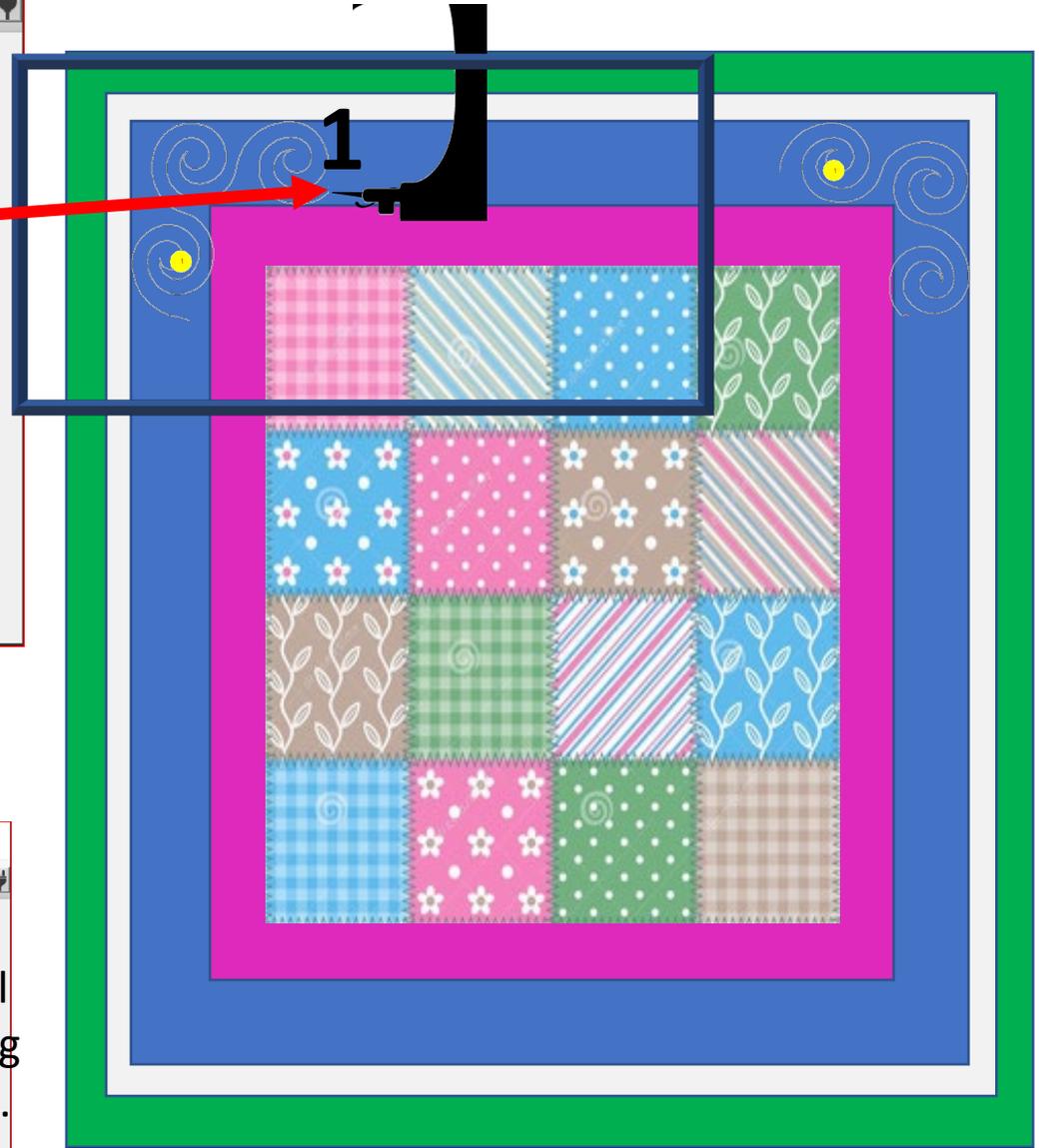
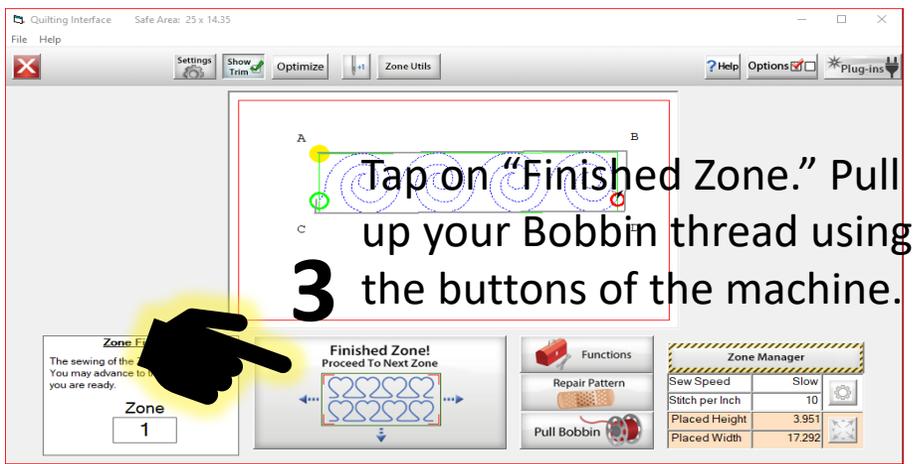
1. Tap on “Zone Utils” at the top of the “Quilting Interface” screen.
2. Find and tap on “End Point Adjust.” we are going to adjust our starting and end point to match up to look like one continuous border design
3. Under “Adjust Point” choose what size step you would like to use to make the adjustments. You can change from one to another while adjusting to help adjust exactly to the position.

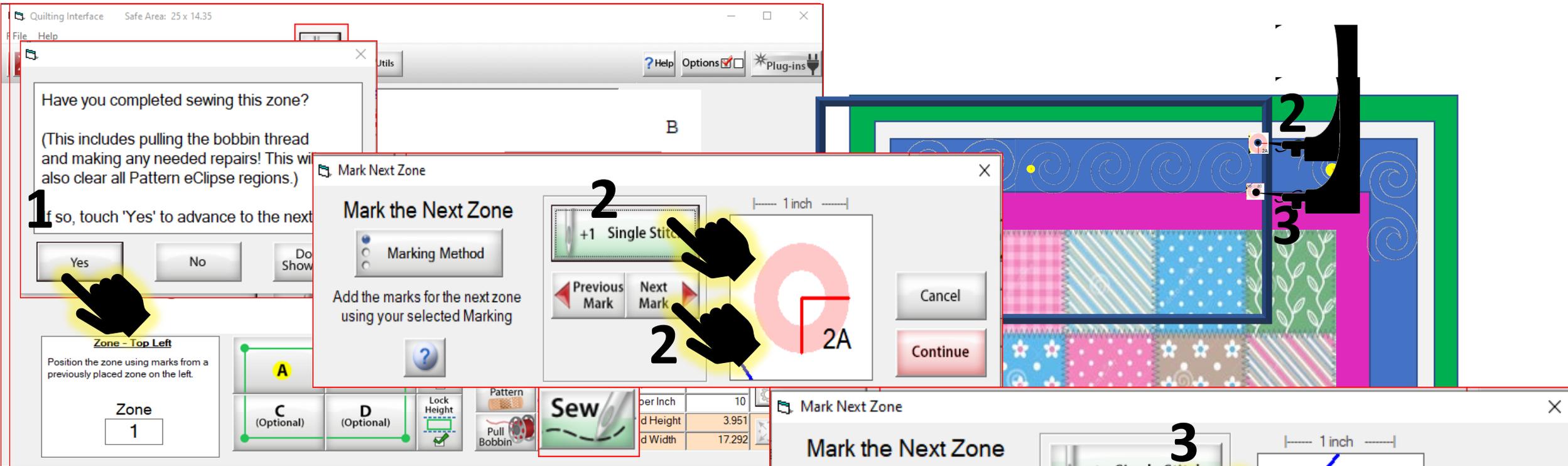


1. Tap on the “End Point Adjust Node” it is the dot on the screen. Your machine will lock and move to where that dot is positioned on the quilt.
2. You Can use the (+) for the “Zoom In” to take a closer look while adjusting the end points.
3. Use the “Directional Arrows” to adjust the start point to match up with the end point.
4. Once you have the needle of the machine position correctly and aligned with the end point of the corner Tap on the (-) to “Zoom Out.”
5. Tap on “OK.” to exit the “End Point Adjust” menu.

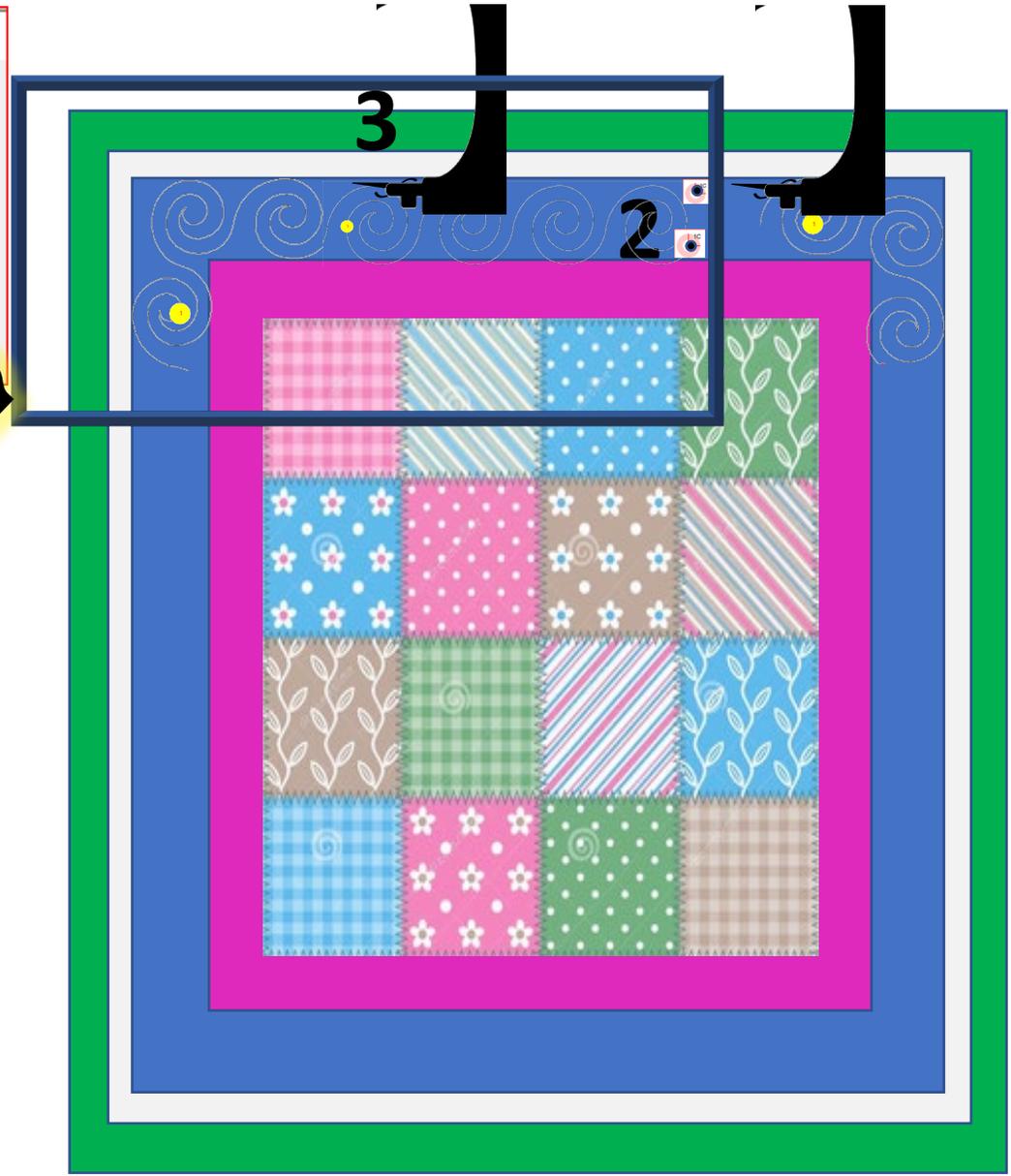
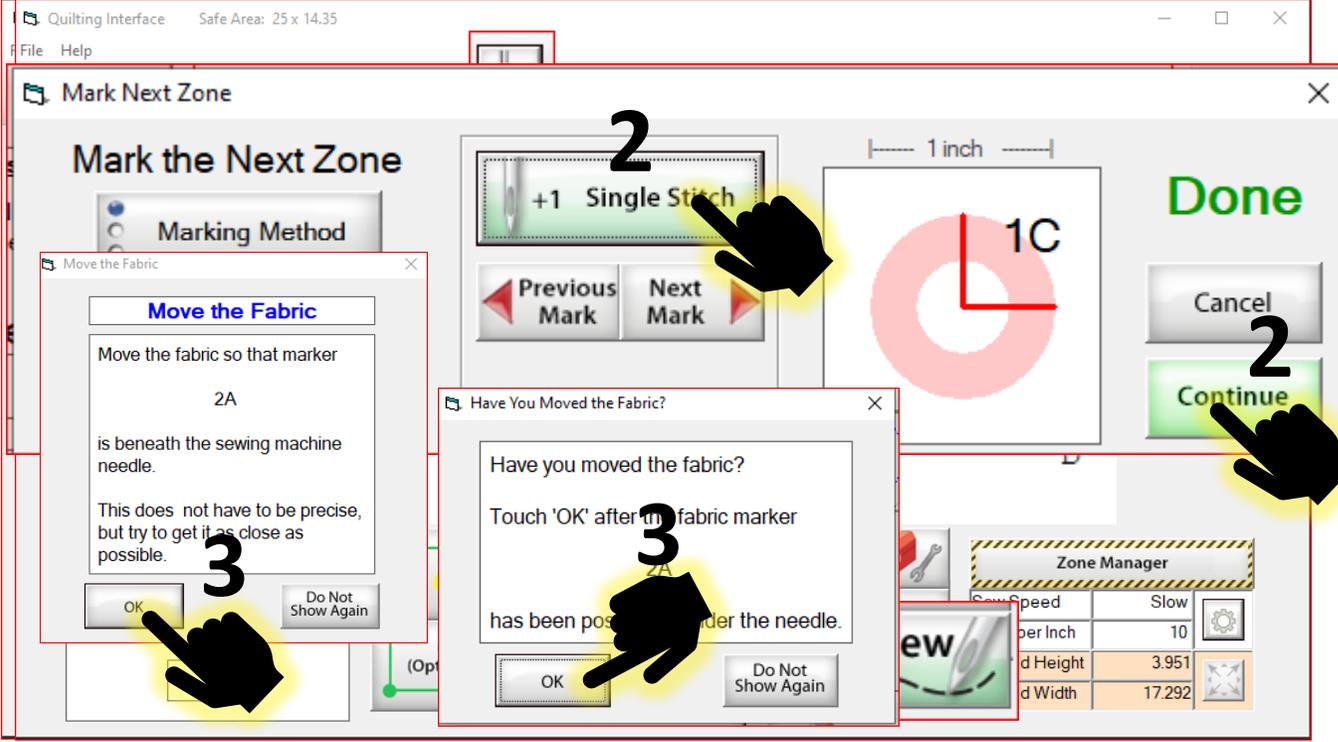


1. Move the machine to the new start of the design and use the “Single Stitch at the top of the screen to bring the bobbin thread up.
2. Tap on “Sew.”

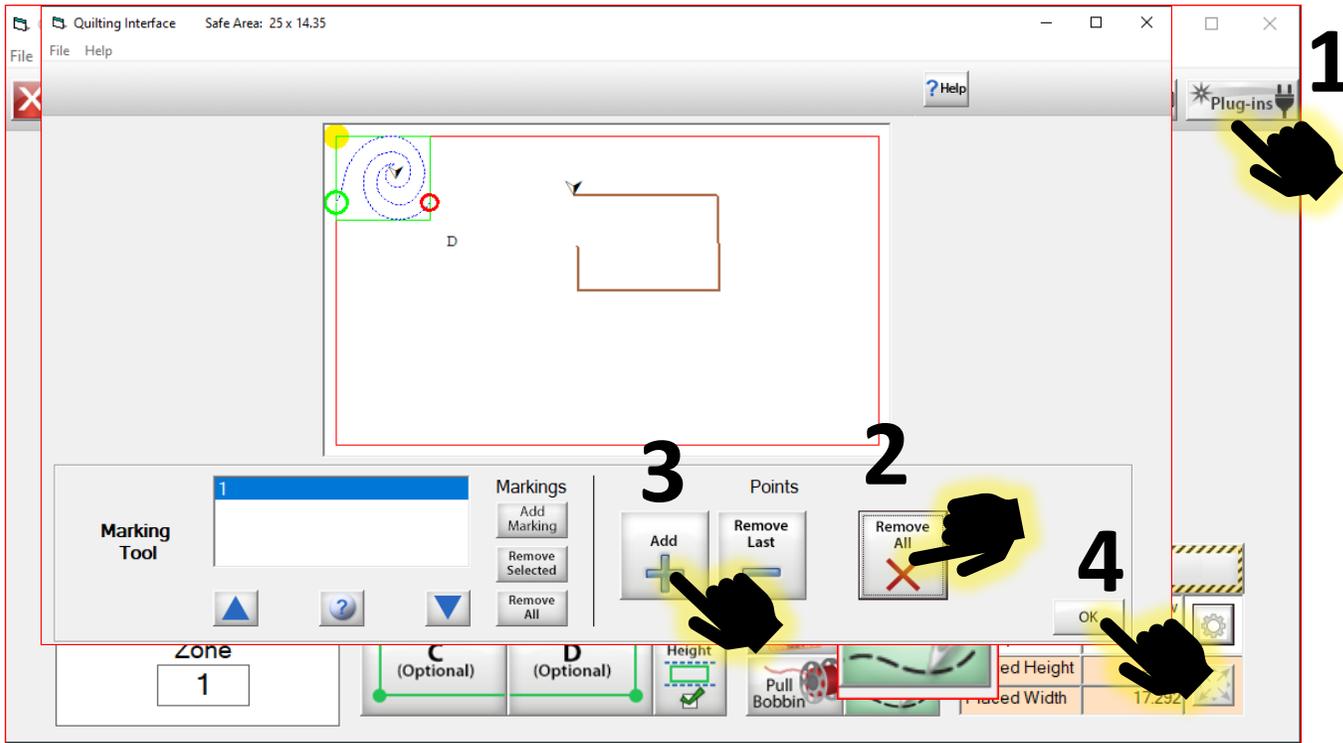




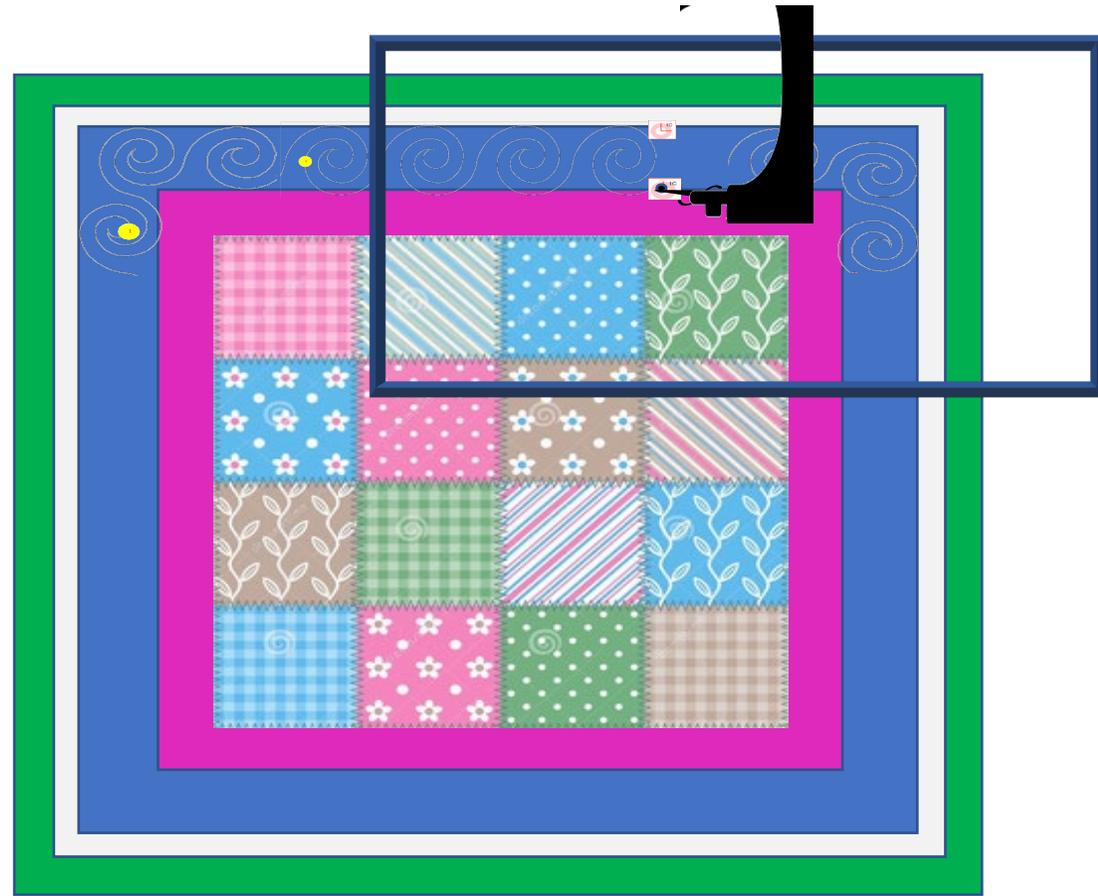
1. A message will open tap on “Yes.” if you have pulled and cut your bobbin threads.
2. The machine will move to “Mark the Next Zone” place the sticker or tape under the foot of the machine and tap on “Single Stitch.” Write 2A on the placement mark.
3. Tap on “Next Mark.” the machine will move to where you will place your next marking sticker for 1D & 2C. Once again place the sticker beneath the foot and tap on the “Single Stitch” then write on the sticker 1D & 2C. Tap on “Next Mark.” The machine will move to the next mark.

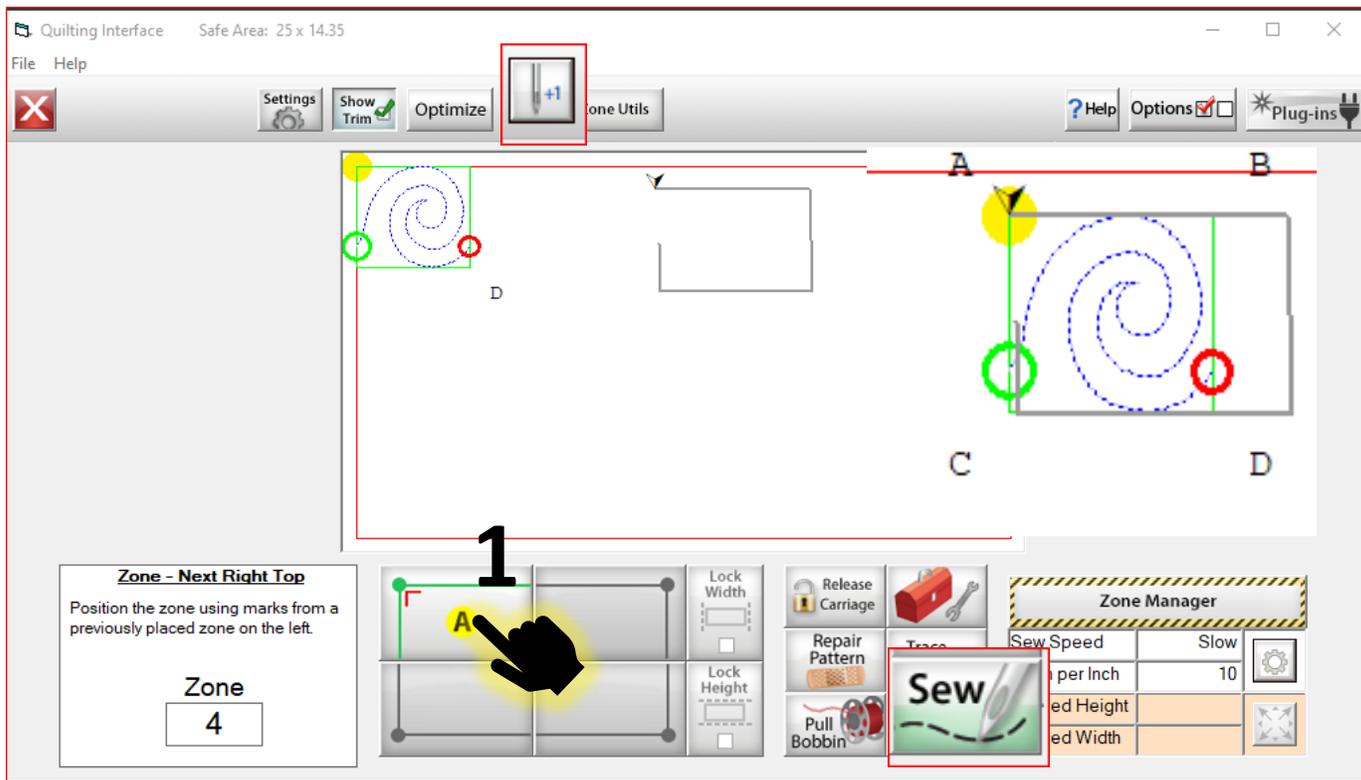


1. The machine will move to the next placement mark, they could be very close to an existing mark you may not need a sticker just use the one that is there once again tap on "Single Stitch."
2. Notice that there is a green "DONE" and the "Continue" is green this means you have completed marking all the placements for this zone sections. Tap on "Continue" and lets once again place the design for sewing.
3. The machine will move to where you will shift the marking sticker 2A underneath the foot. After the machine has completed moving shift your fabric and tap on "OK."

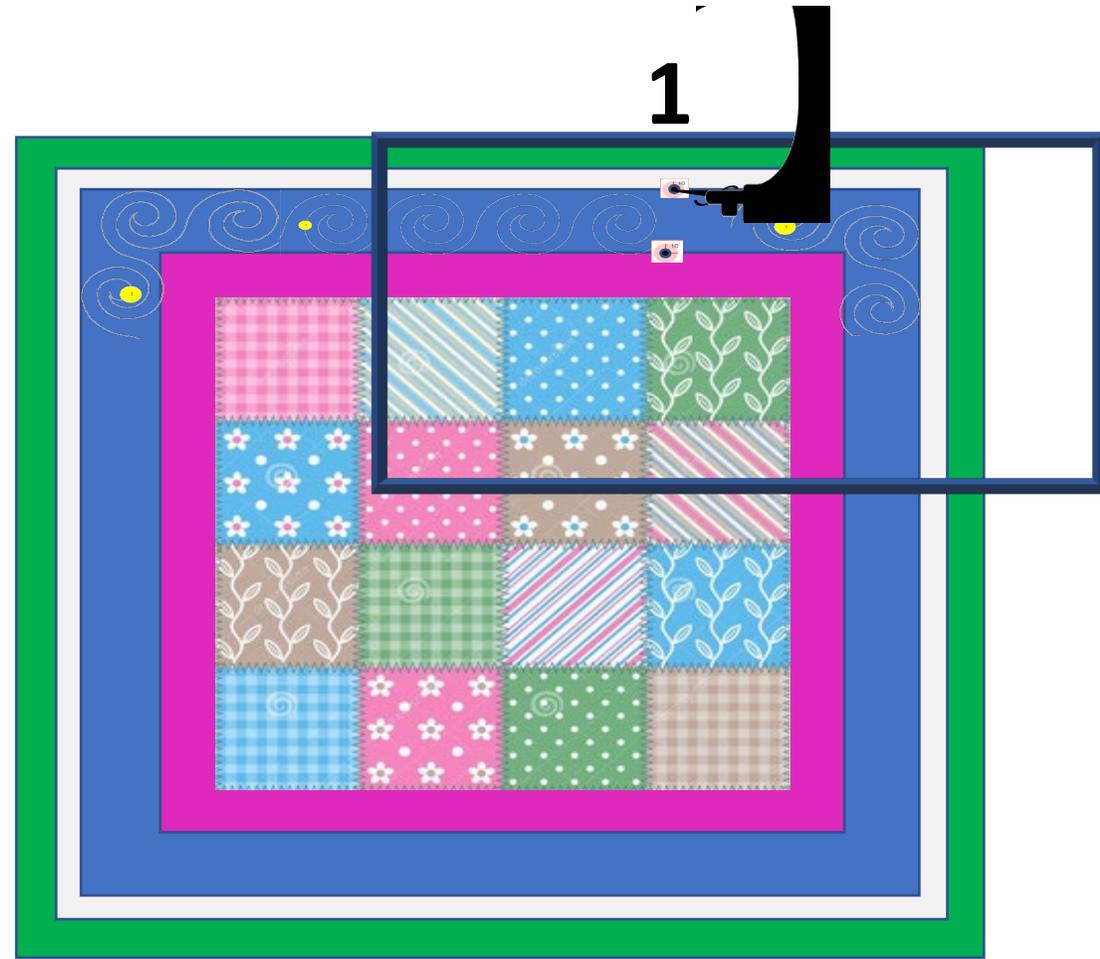


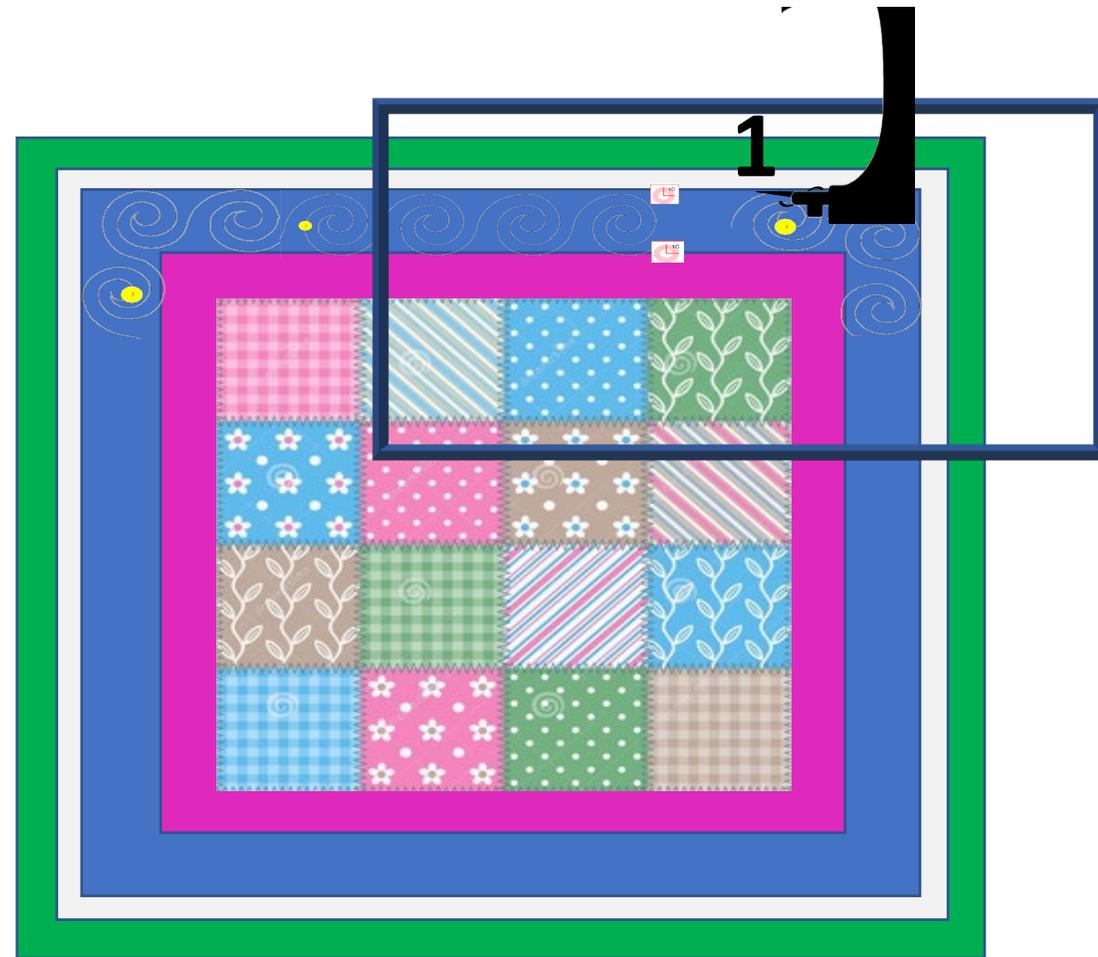
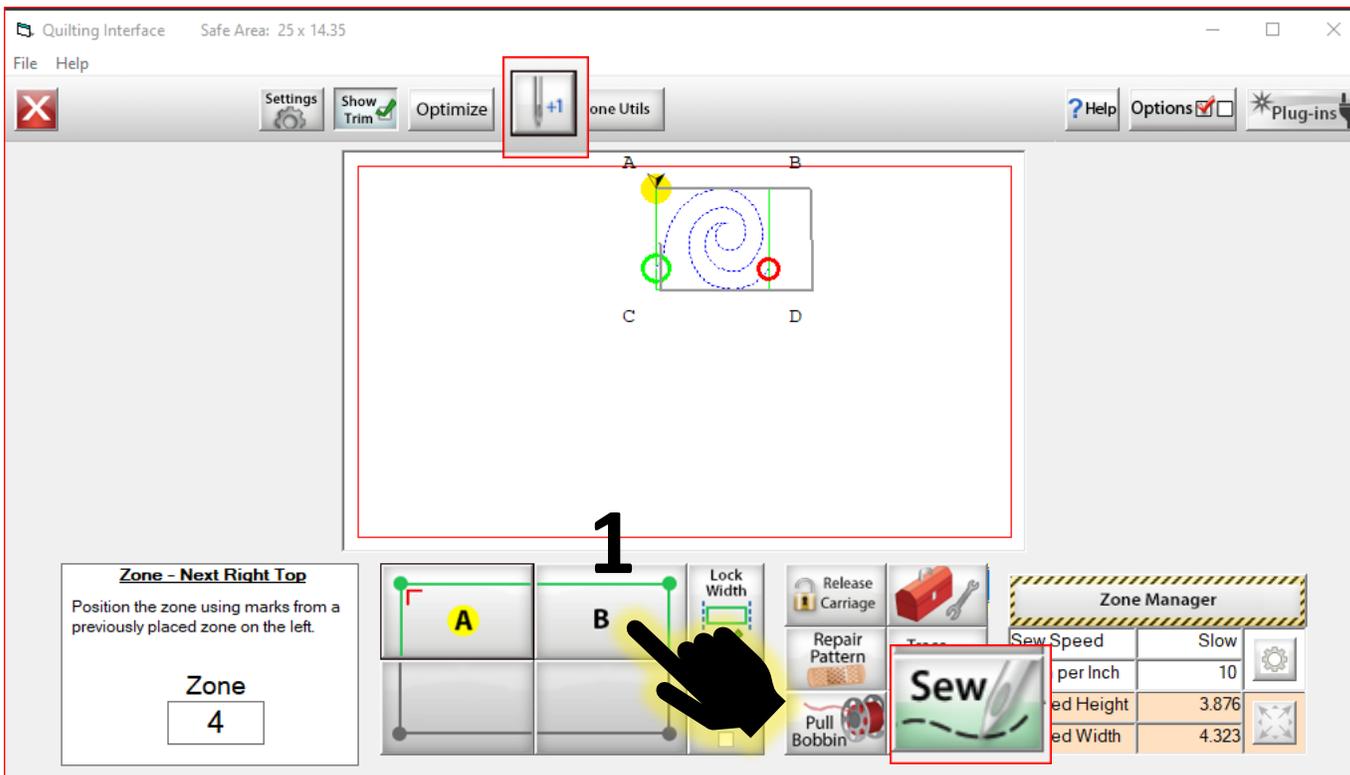
1. With the quilt shifted, open the “Marking Tool”
2. Tap on “Remove All.”
3. Start marking where the previous zone ended sewing, then move down toward the bottom edge then up and along the top edge and across towards the marking sticker.
4. Tap on “OK.”



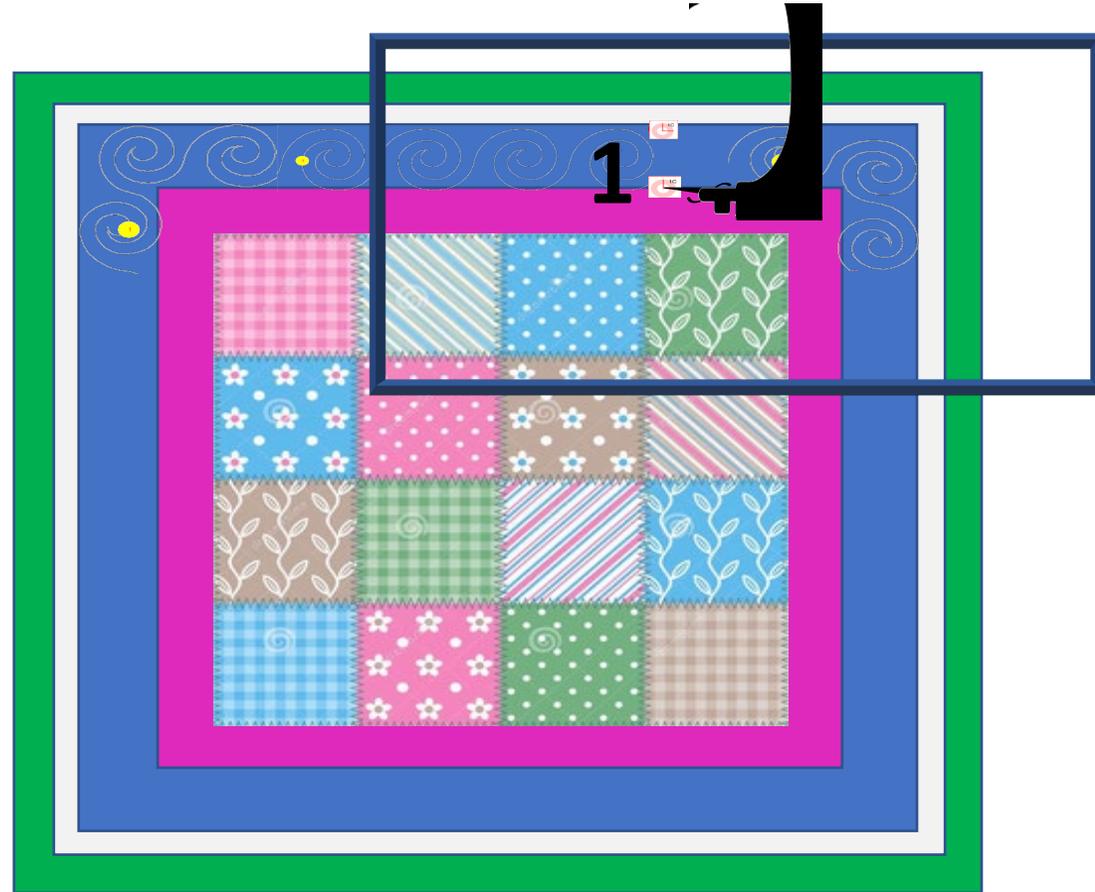
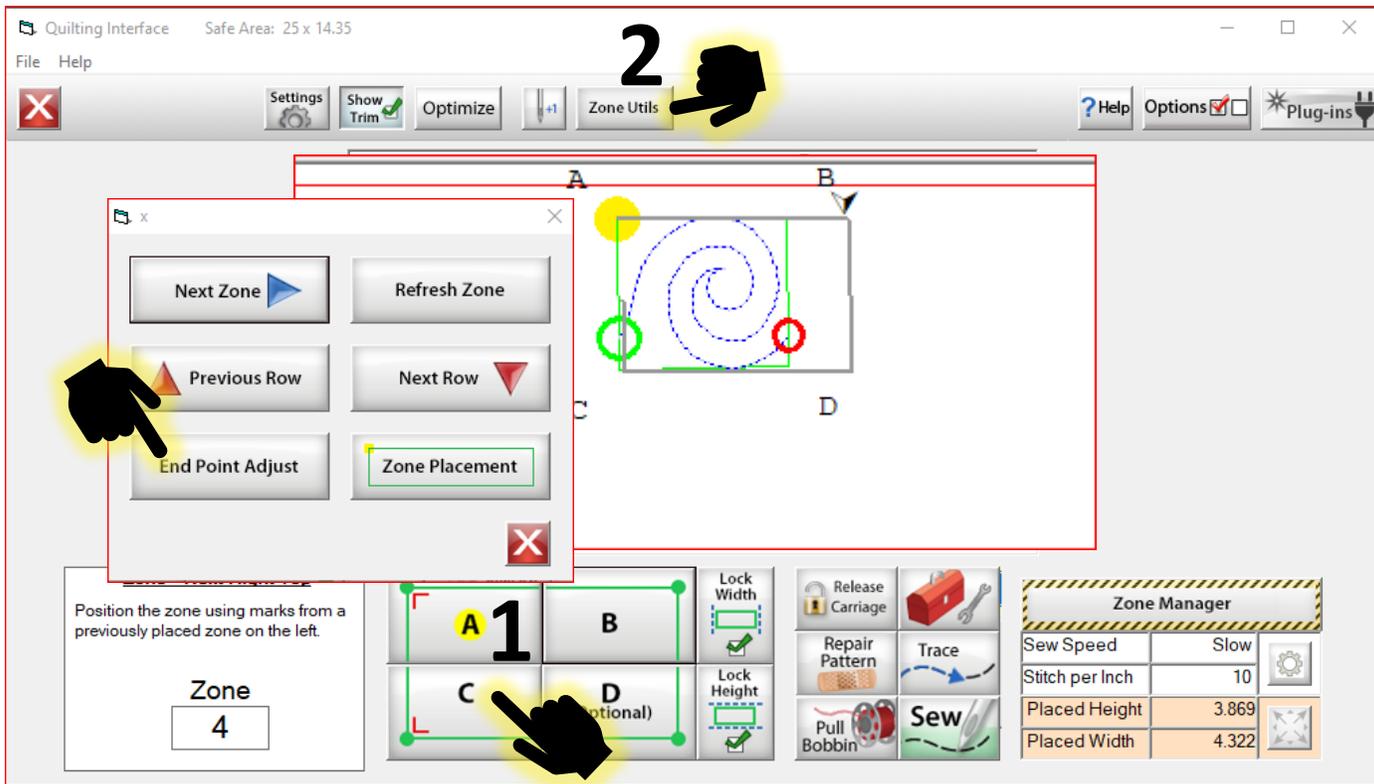


1. The machine should be close to where the first placement A is to be placed. Align the needle over the hole in the placement marking 2A and then tap on "A" the design will shift and align within the marking tool markings.

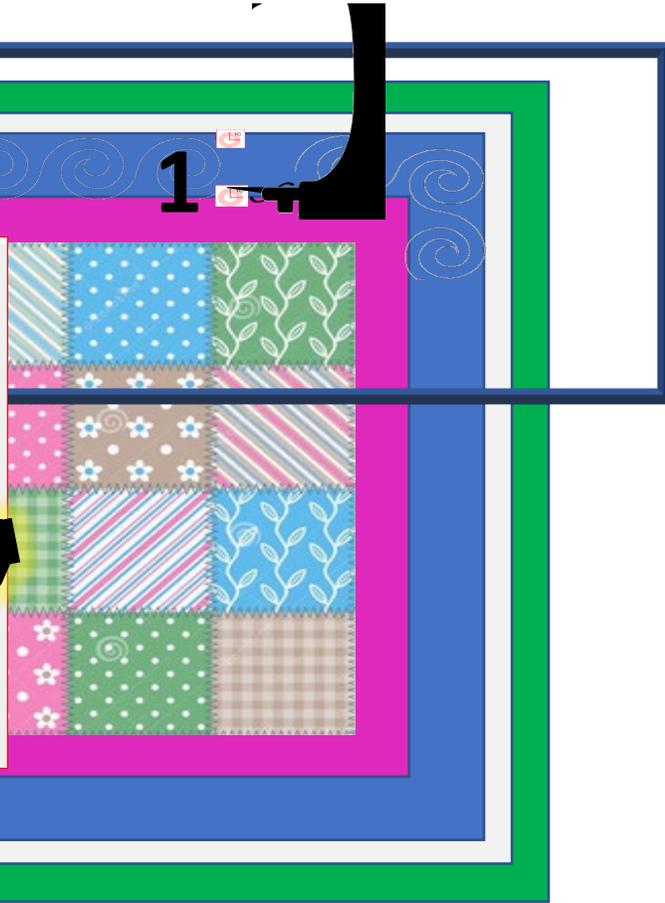
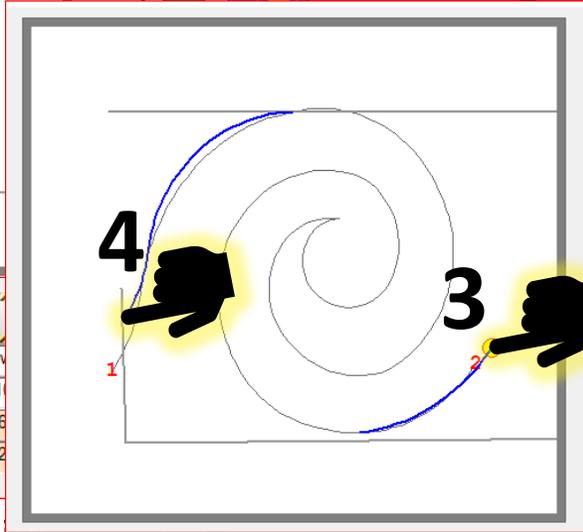
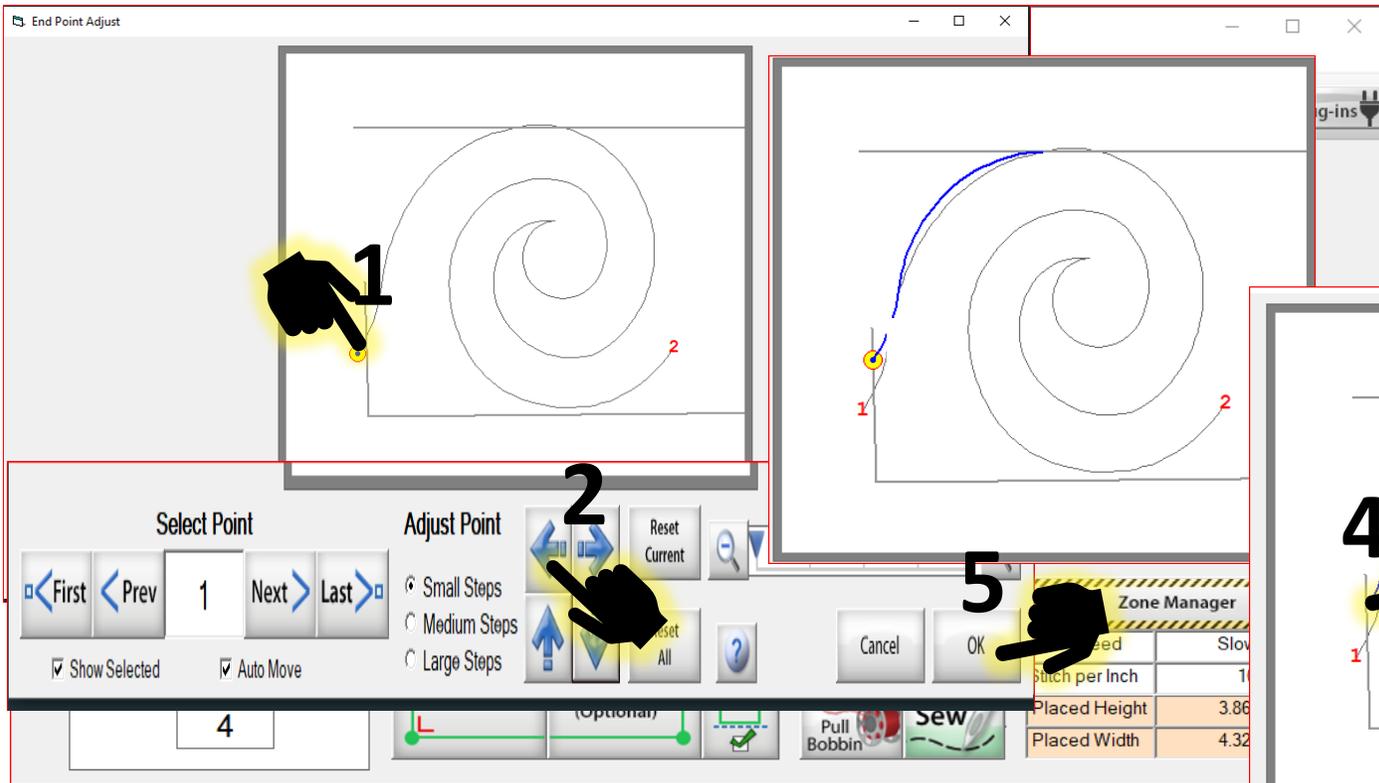




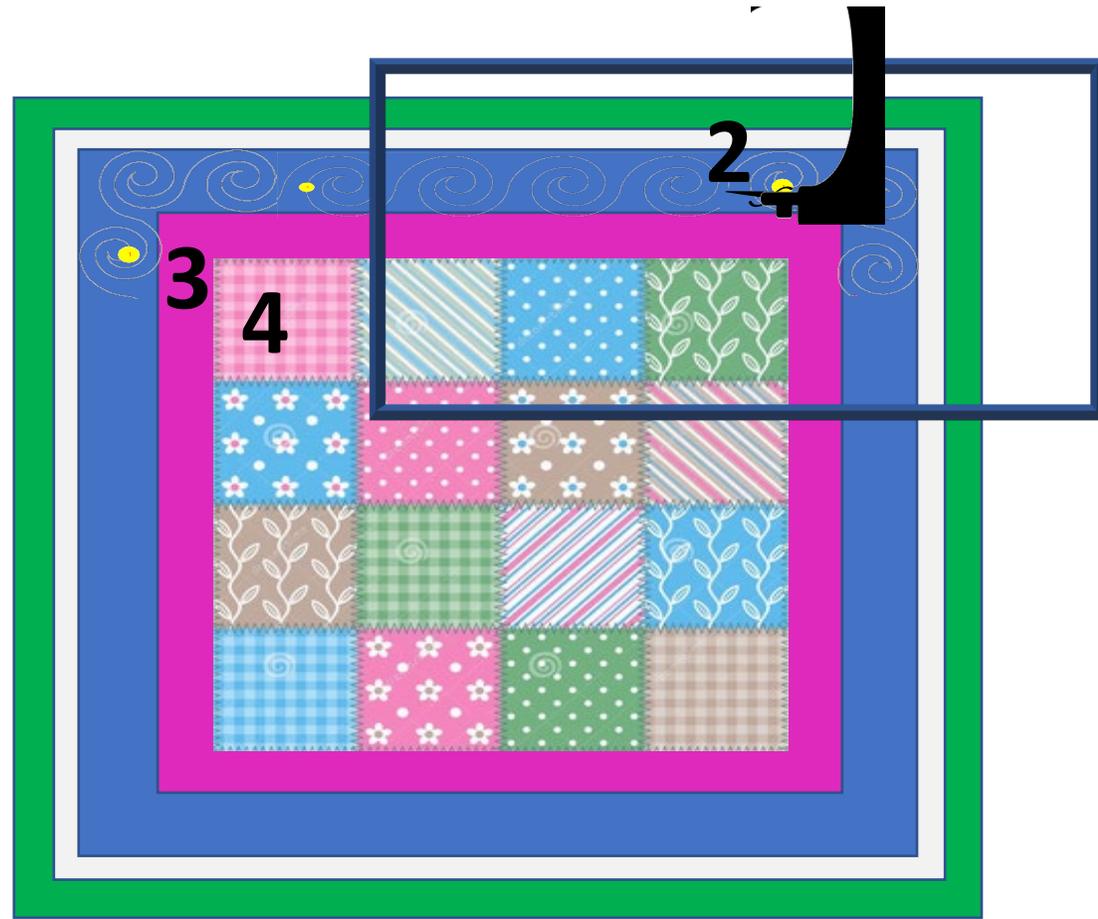
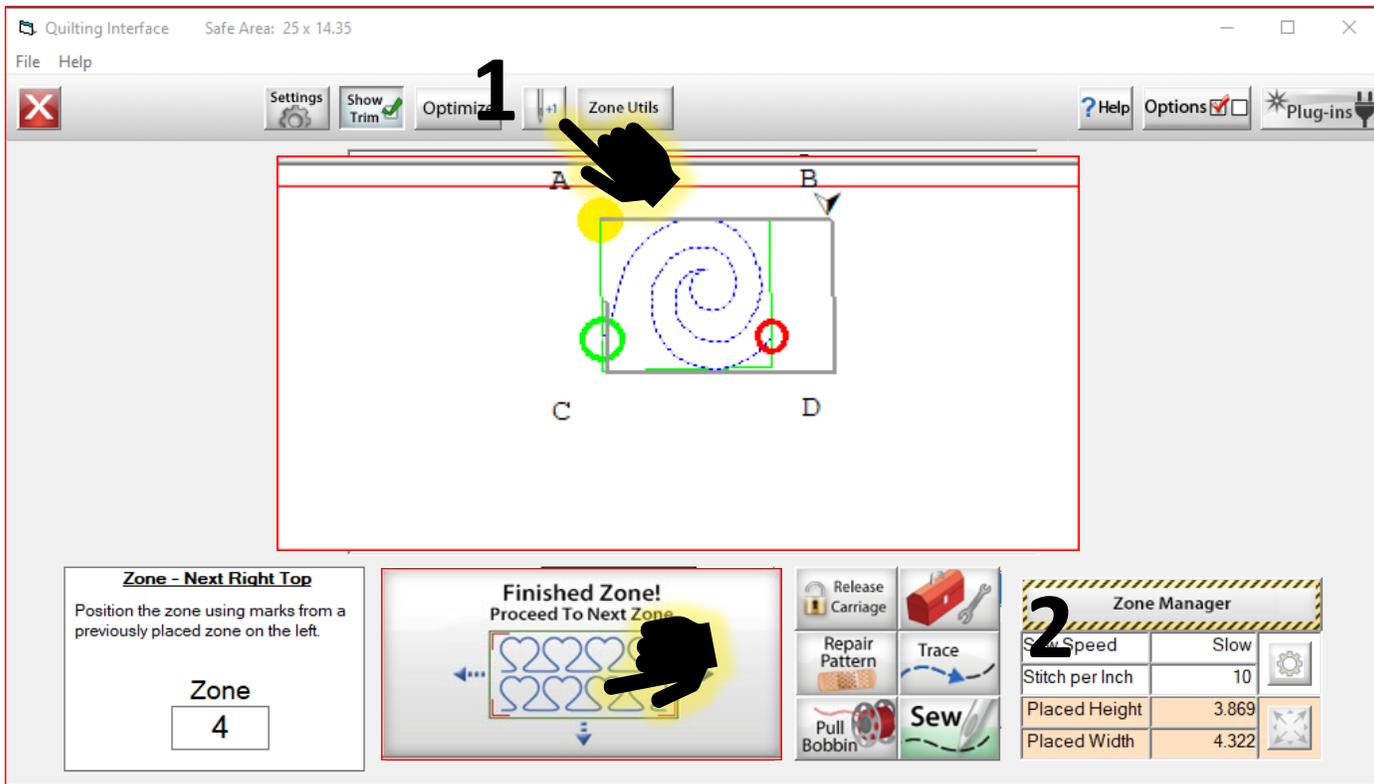
1. We don't have a marking sticker for placement "B" because it will be the placement that aligns the design to how the quilt layers aligned on the frame. They may not be perfectly straight. Move along the top edge of the border and tap on "B" placement.



1. Notice that the “C” placement does not have optional underneath, but the “D” placement does this means that there is a placement for “C.” move the machine to the “2C” placement and tap on “C.”
2. Look at where the design will begin sewing, notice how the start point is not correctly aligned to the marking from the marking tool. Tap on “Zone Utils” and select “End Point Adjust.”



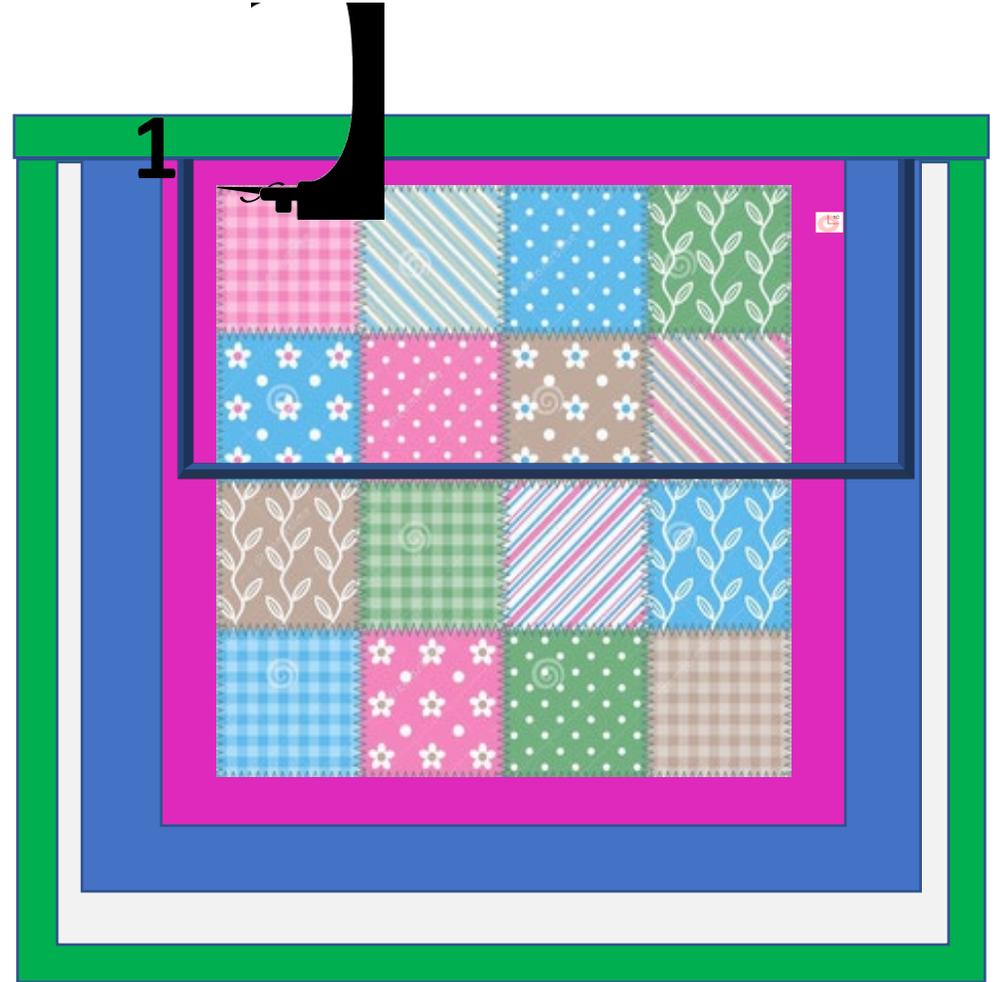
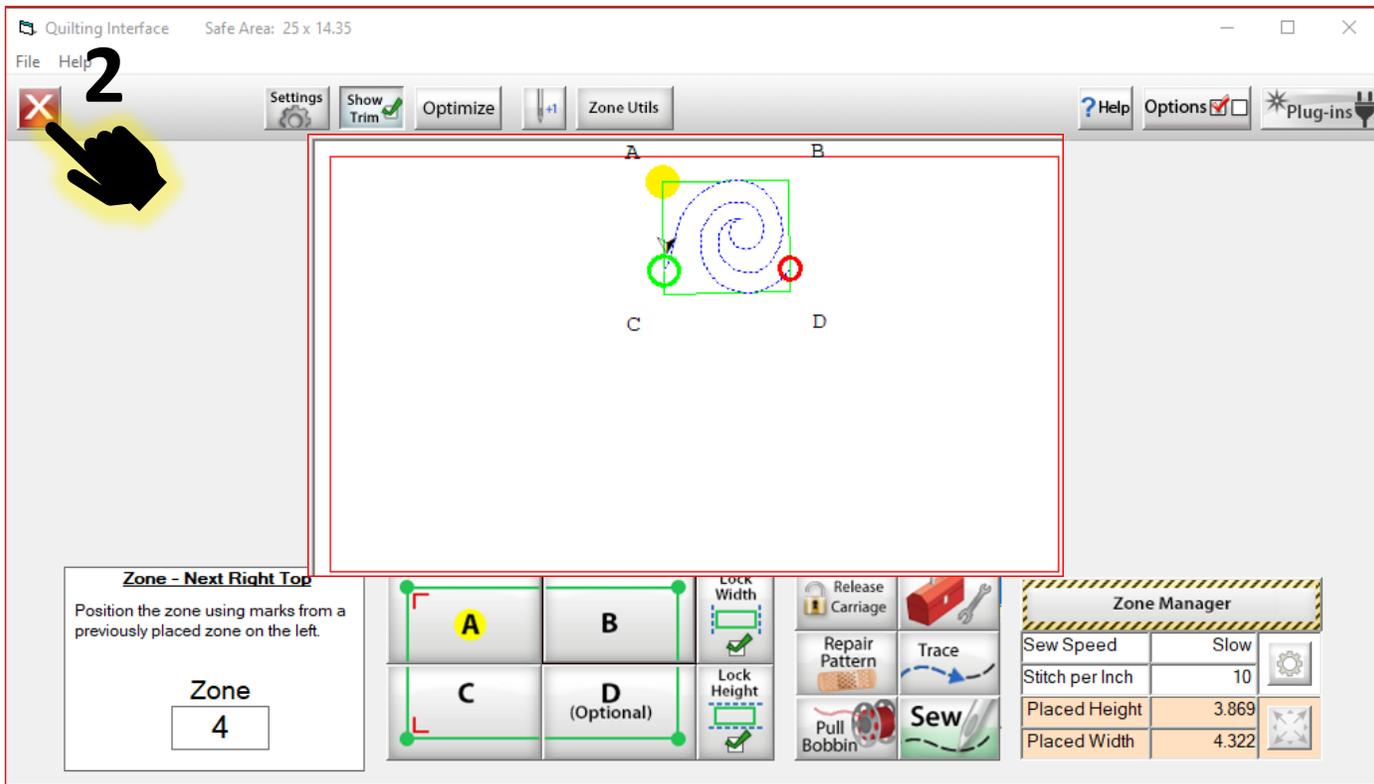
1. Tap on the “End Point Adjust” node (yellow dot.) The machine will lock and move.
2. Using the “Adjust Point” arrows adjust the end point to align with your marking tool marks.
3. When you come to the last zone you will have the start and end points to adjust, we have adjusted the start point tap on the “2” the “End Point Adjust” node will shift and once again use the “Adjust arrows to align the end point.
4. Tap “1” once again the new start point.
5. Tap on “OK.” The machine will move to your new start point.



Now that we have finished the top border use the same process for your second border if you have one.

After completing all the top borders let's prepare to quilt our Center section with an edge-to-edge design.

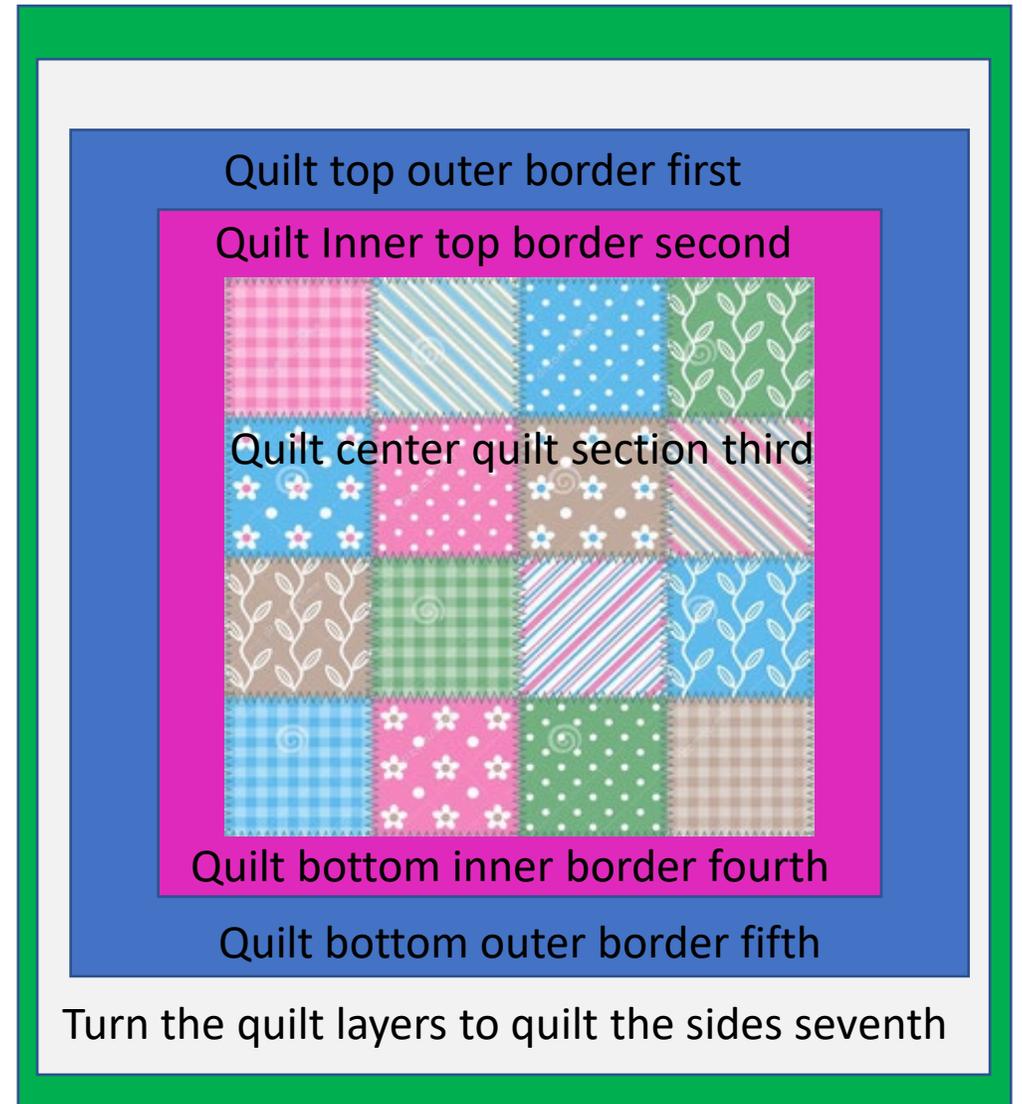
Tap on "Finished Zone!"

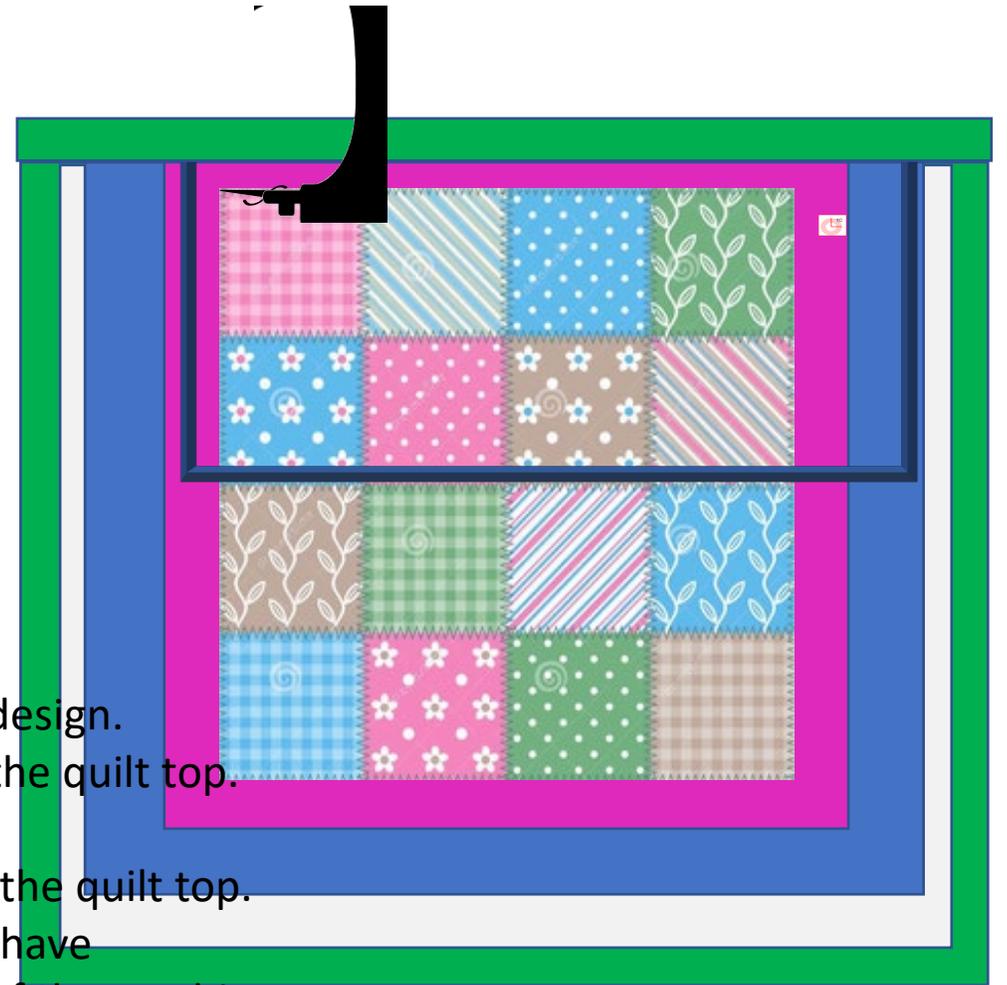
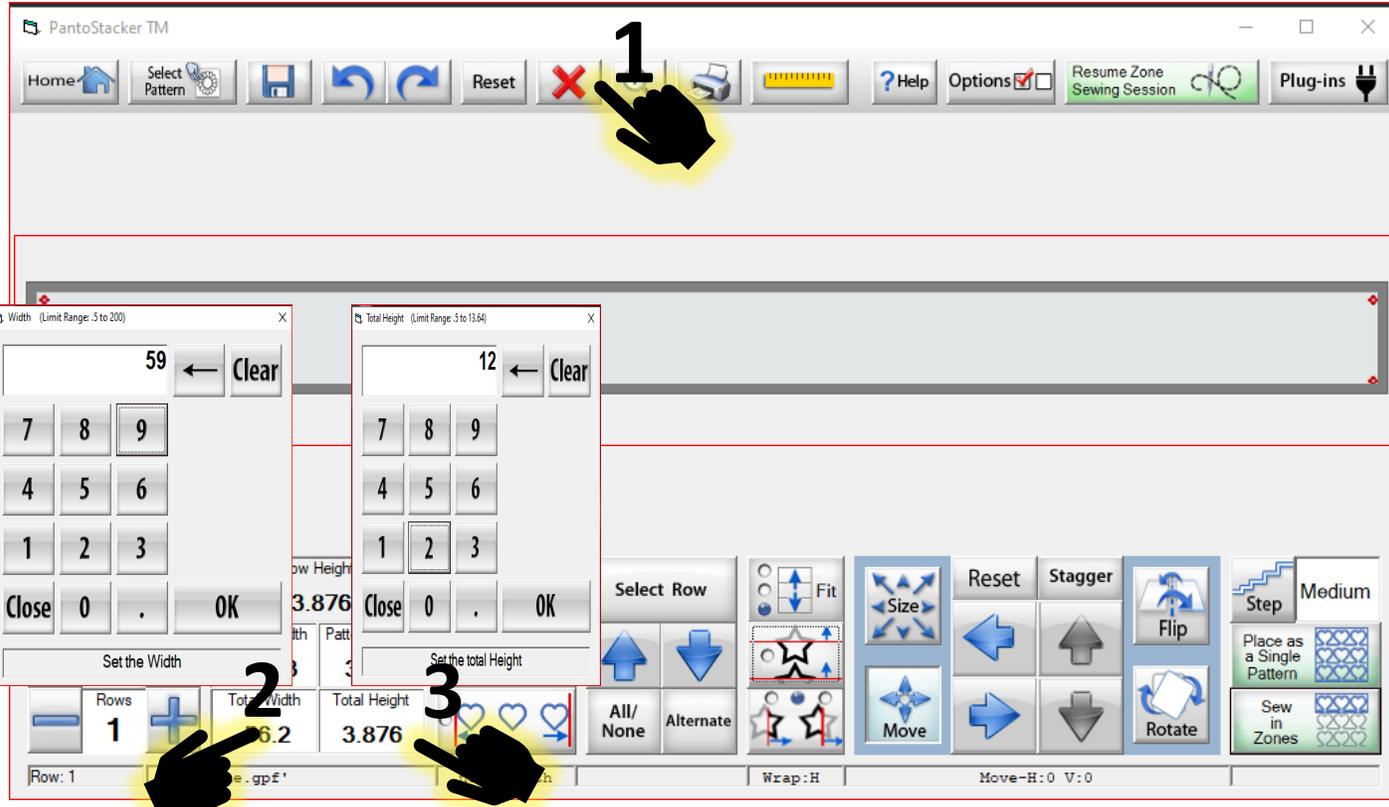


1. Measure the center section if you have not done so. One thing that is nice about a hoop frame you can take it off the frame and measure then reattach. Have the quilt shifted to the left so we can begin marking and set up our design in pantograph for quilting.
2. Tap on the red X at the top of the screen to exit the “Quilting Interface.”

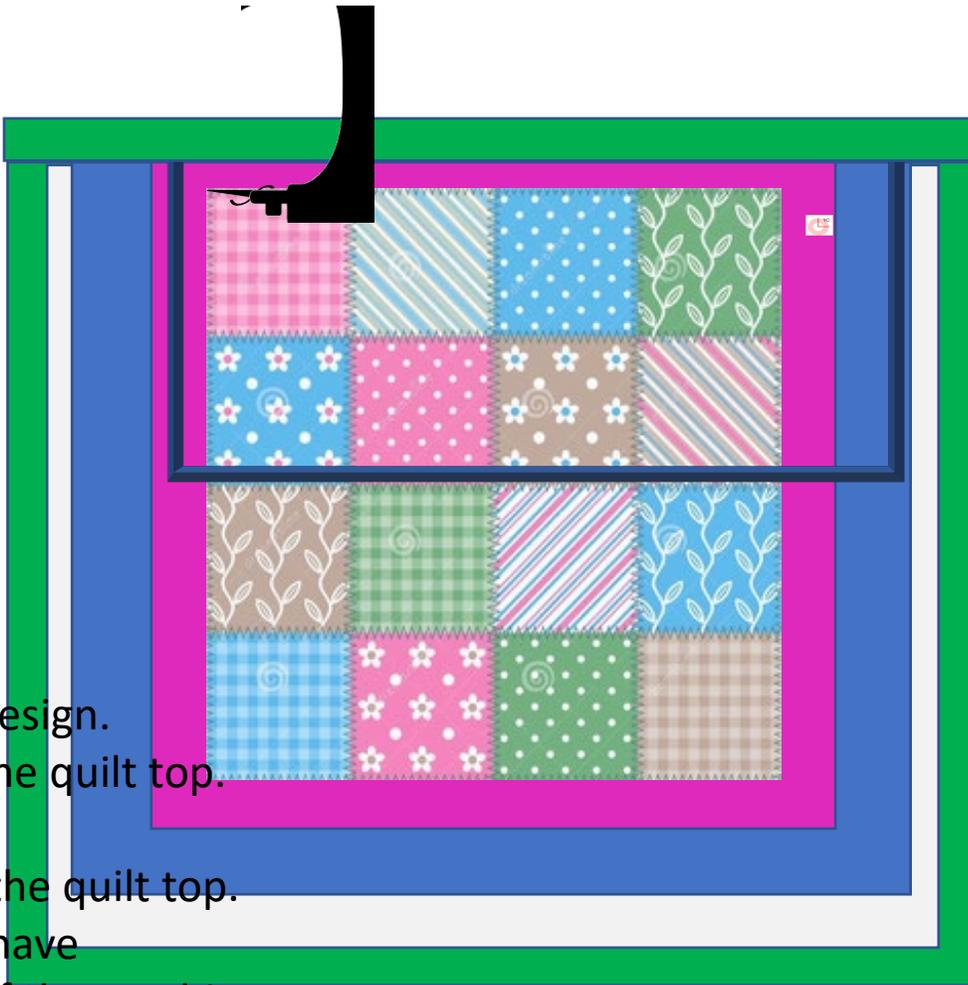
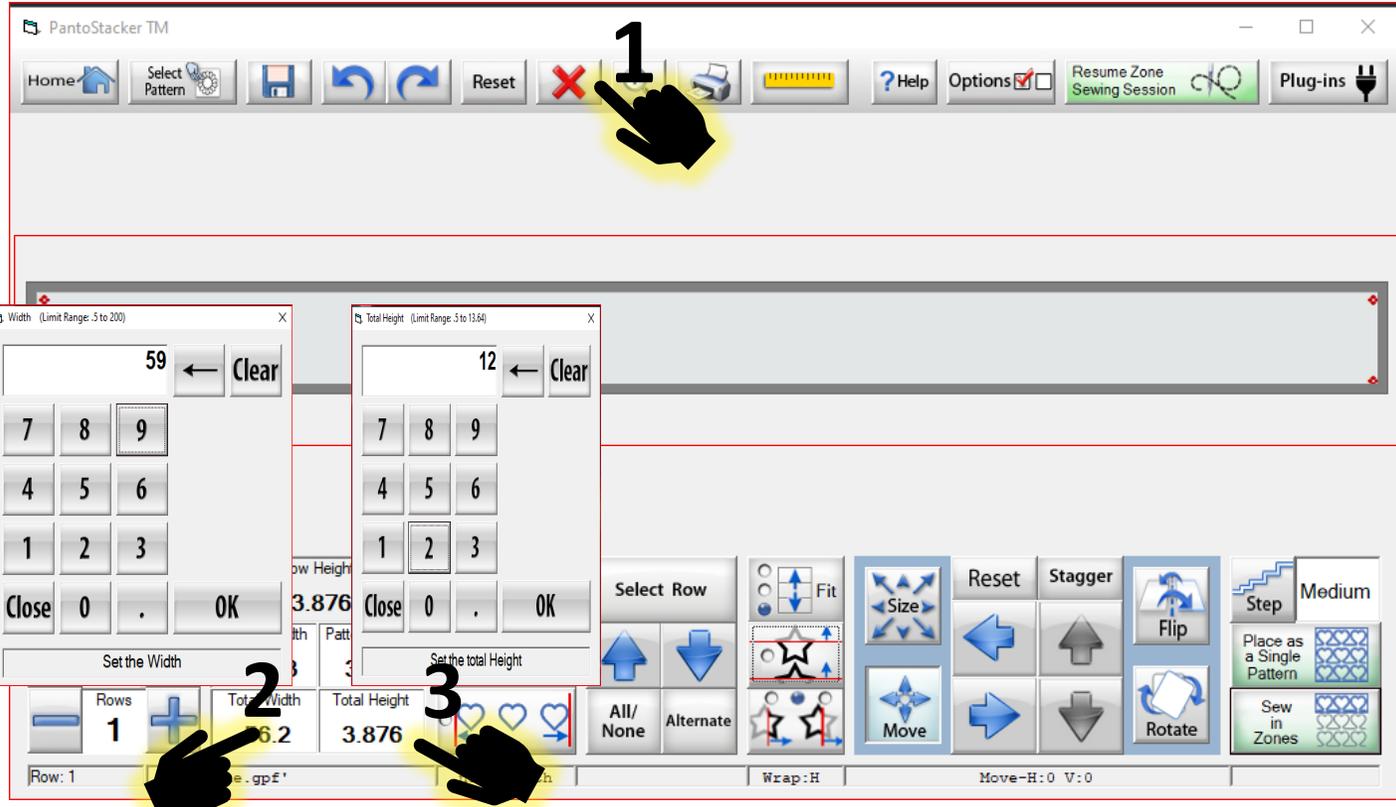
The next section we will be continuing down the quilt and quilt our edge-to-edge design in the center section of our quilt top then we will quilt the bottom border section.

Next you will turn the quilt and complete the two side borders.

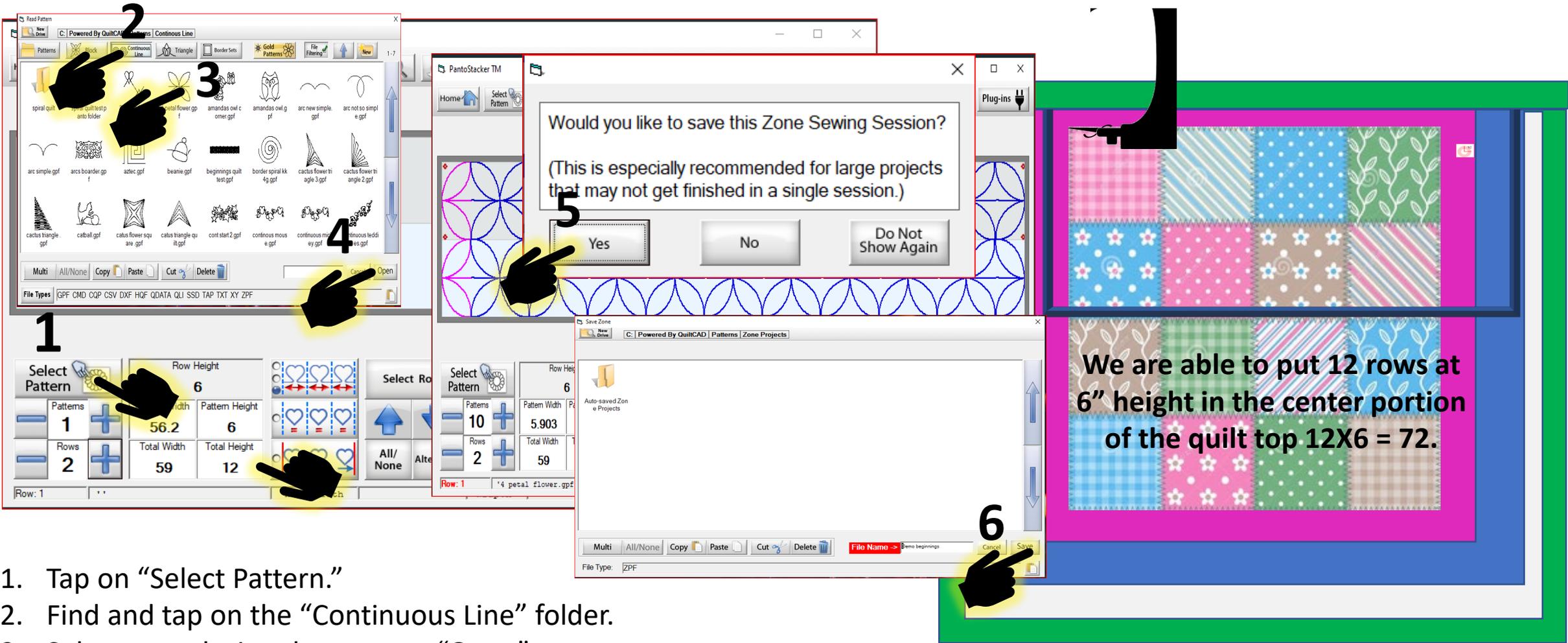




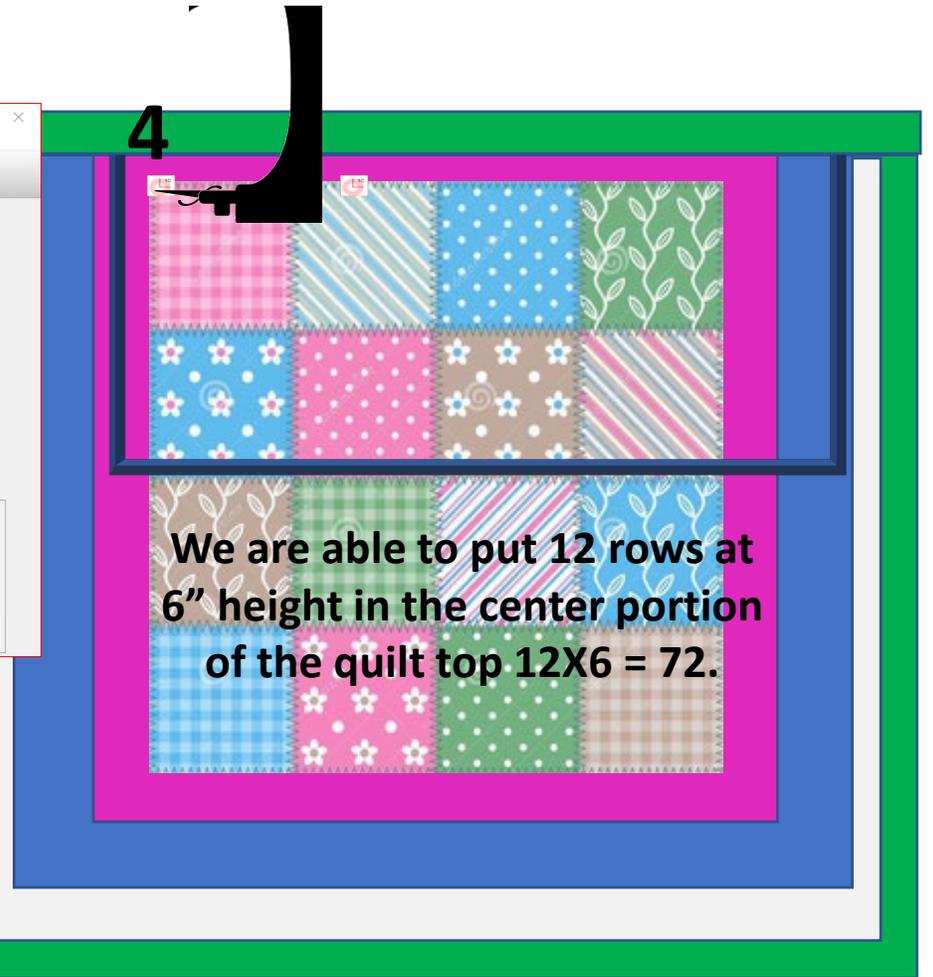
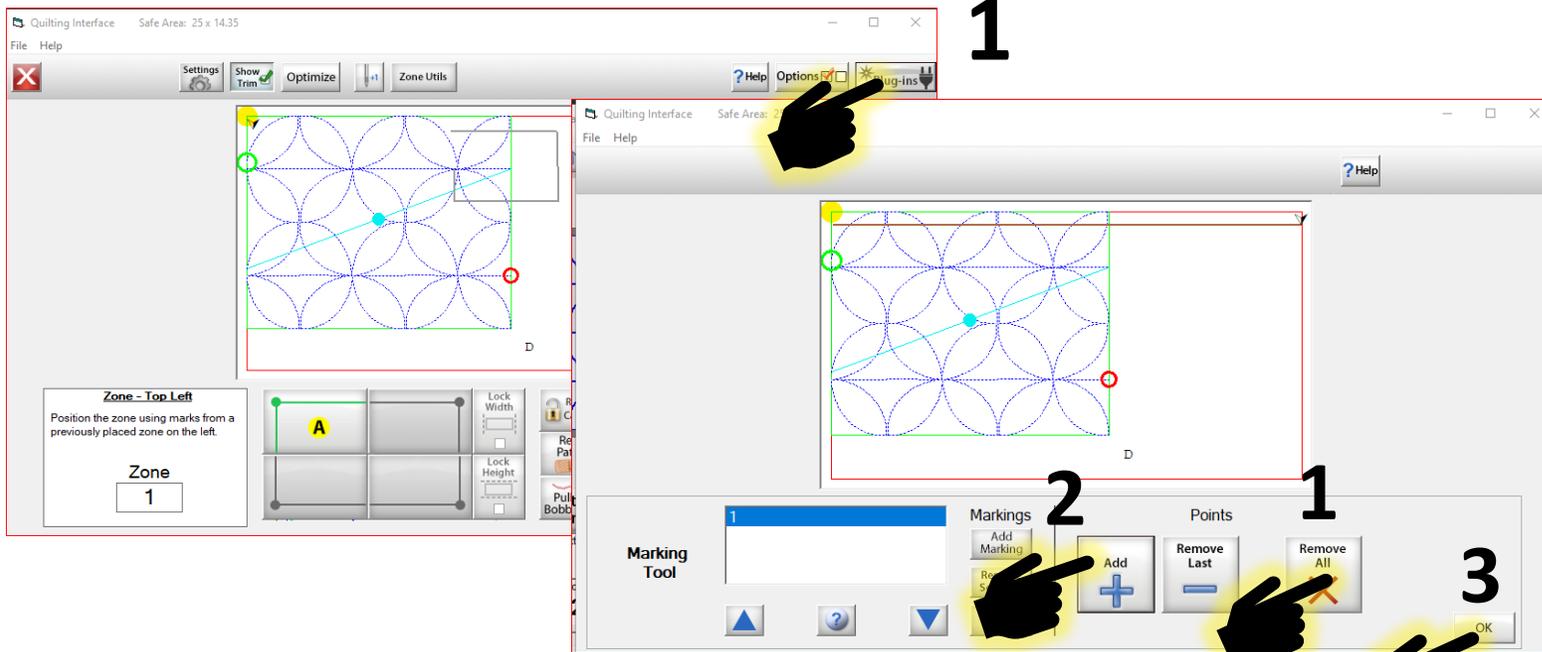
1. Tap on “X” at the top of the “PantoStacker” screen to clear out the design.
2. Tap on “Total Width” enter the total width of the center portion of the quilt top. “59.”
3. Tap on “Total Height: enter the total height of the center portion of the quilt top. “72” is what it could be if you had the pro version of the QCT 5. We have beginnings and can only quilt 2 rows at a time (consider the throat of the machine and you are quilting 2 rows that need to fit within the “Safe Area.) I will be using a 19” machine and I would like to have the height of a single row be 6” in height doubling that will be 12” and that will fit within my 14” safe area.



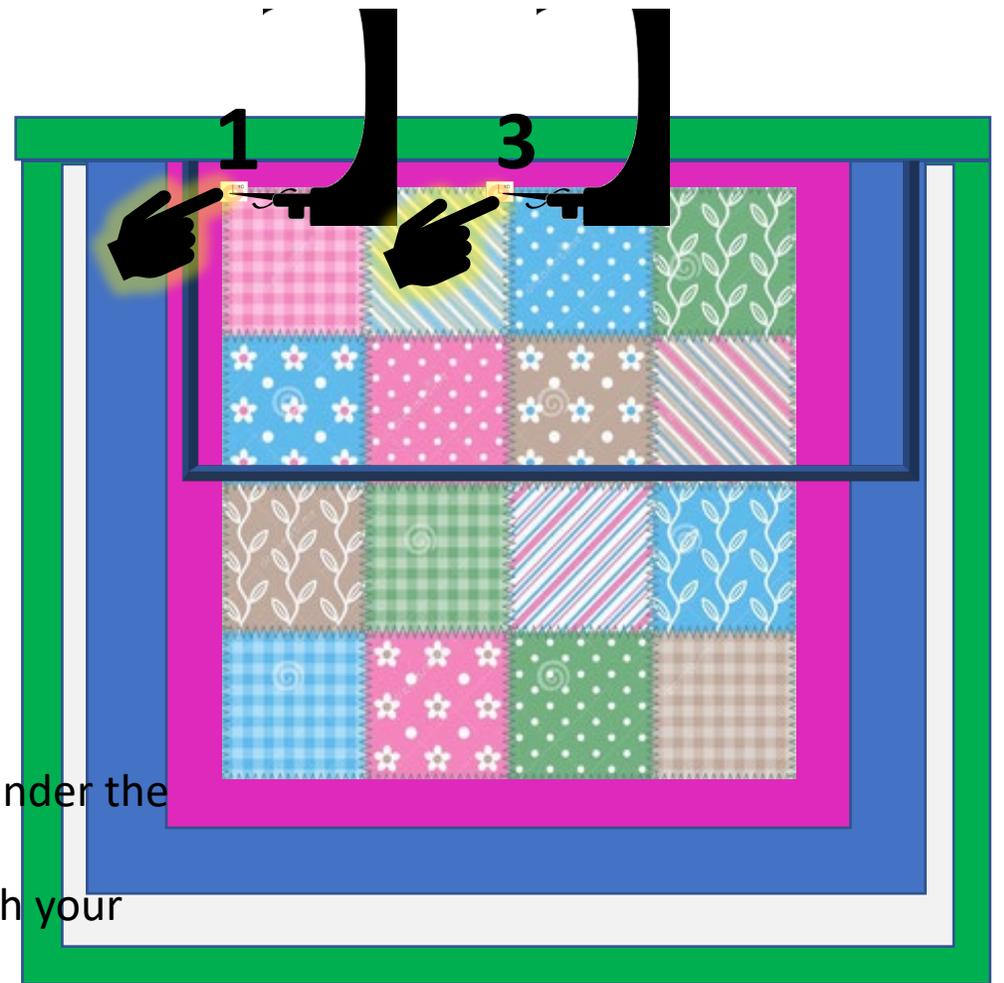
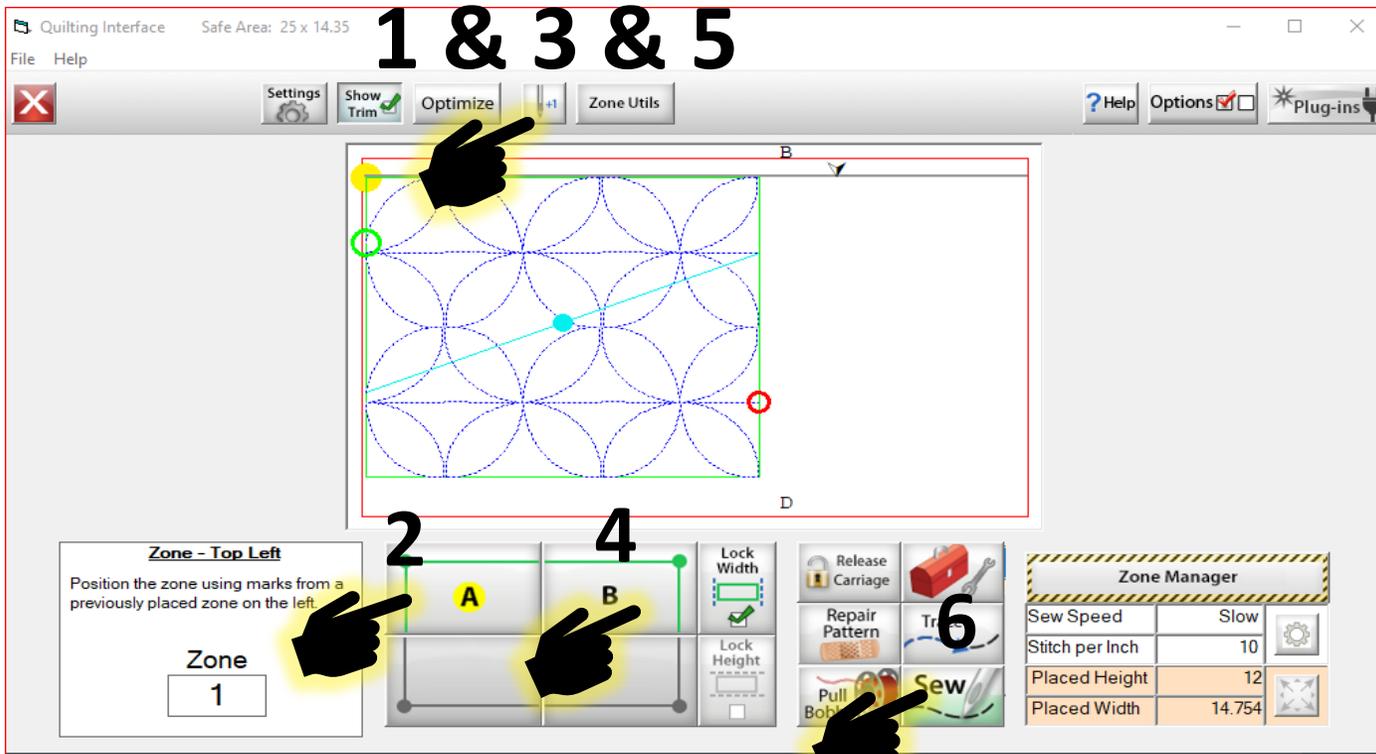
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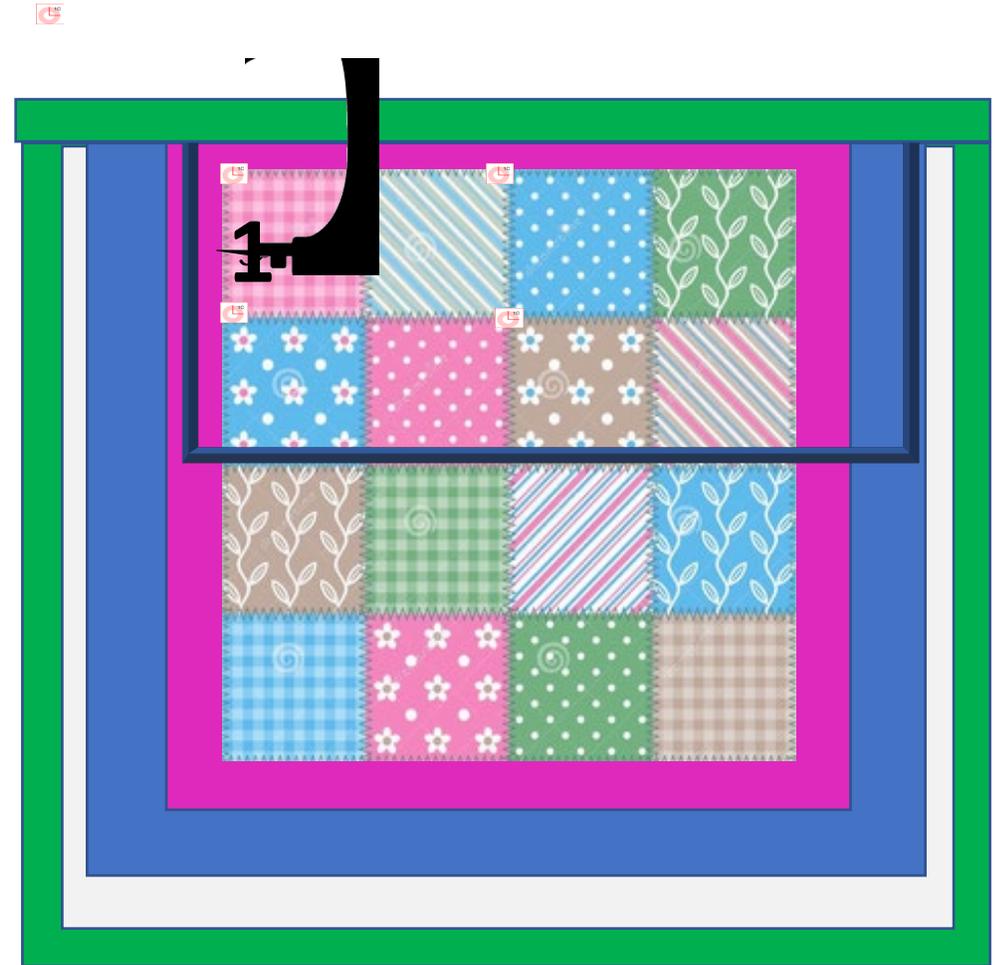
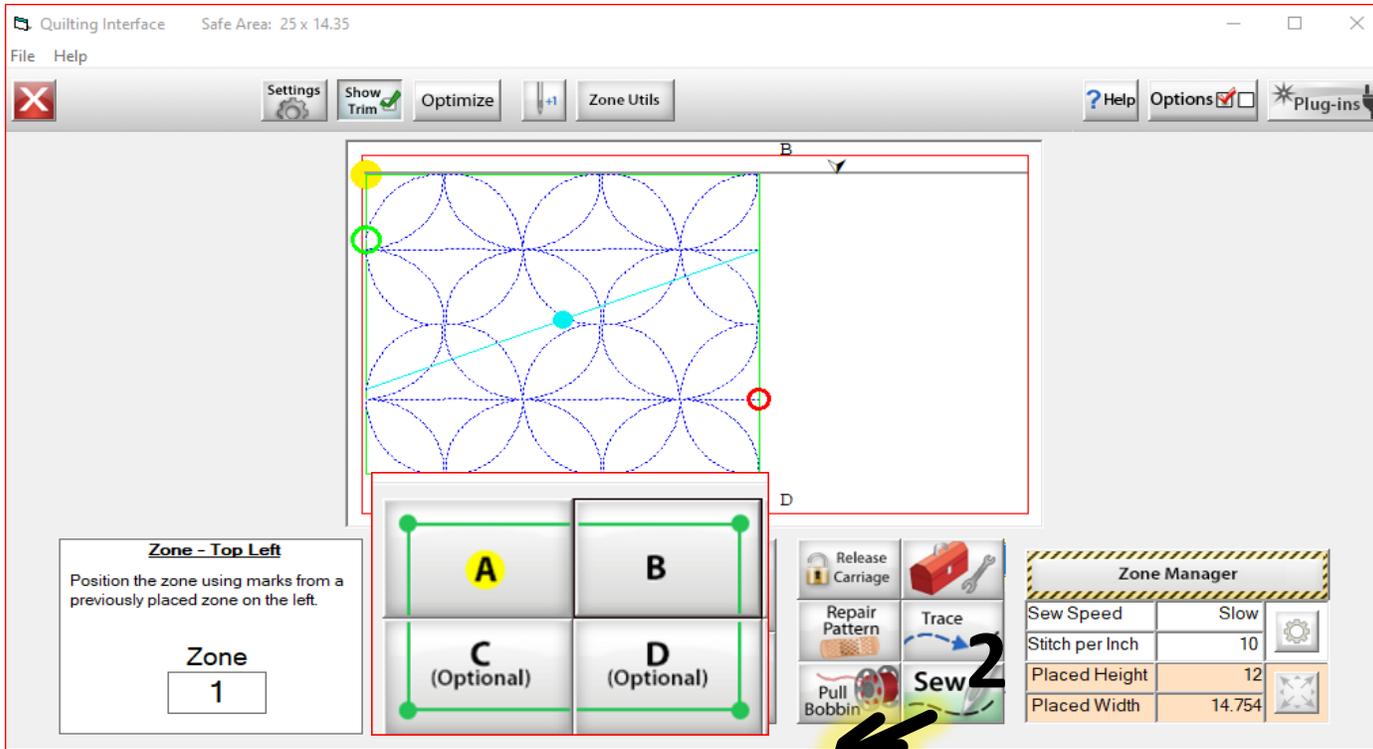
1. Tap on “Select Pattern.”
2. Find and tap on the “Continuous Line” folder.
3. Select your design then tap on “Open”
4. Under “Select Pattern” tap on the blue + to add patterns I have chosen 10 across.
5. Tap on “Sew in Zones.”
6. Tap on “Yes” to save this zone file.



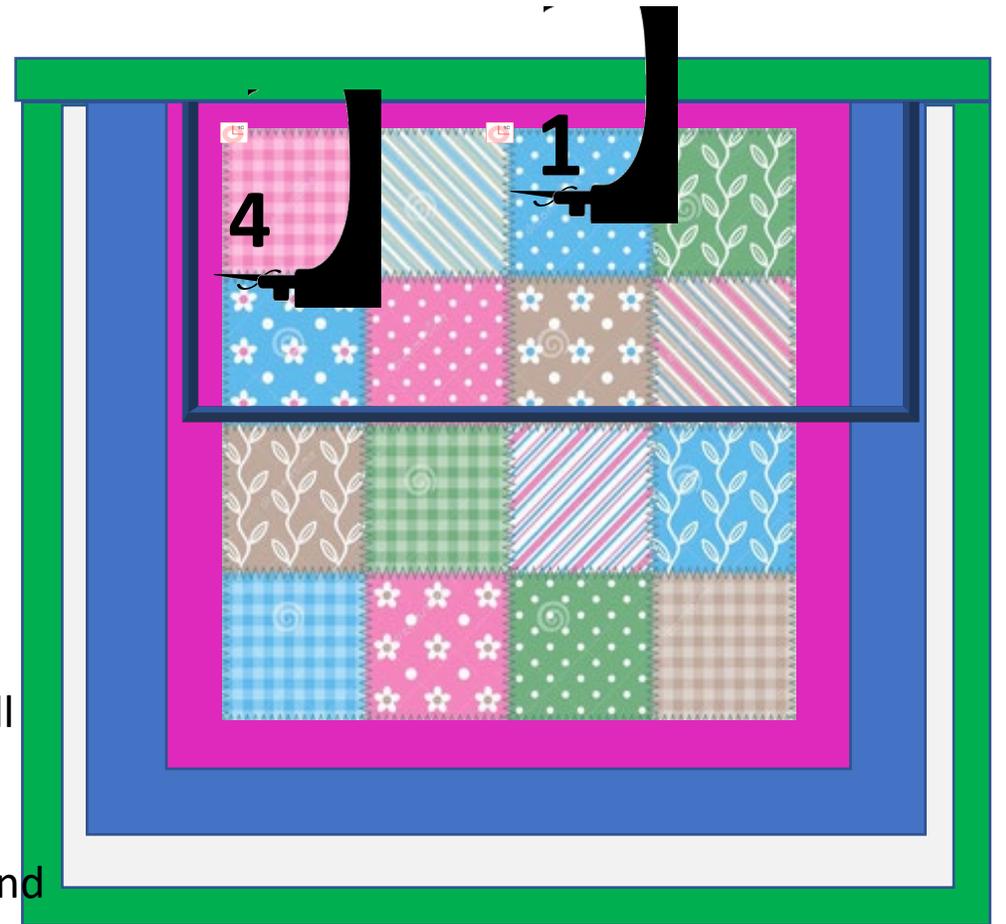
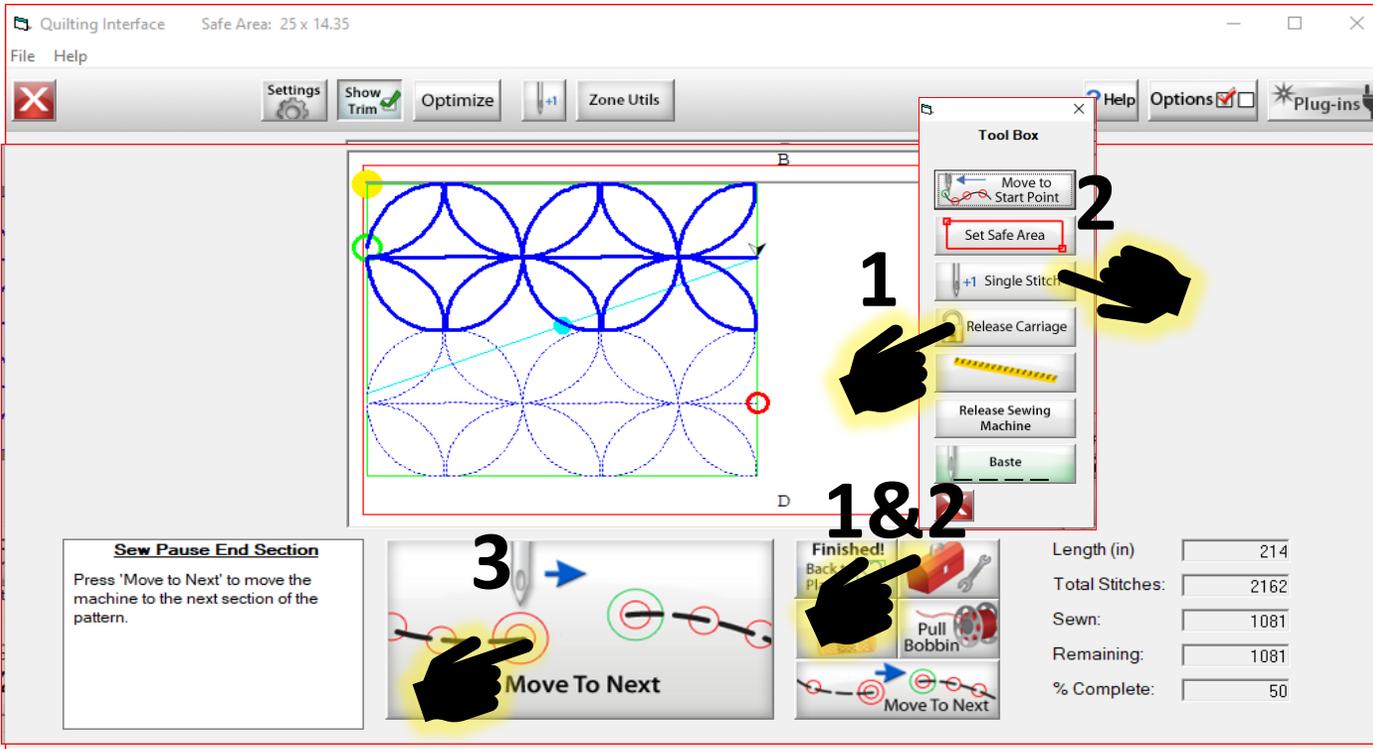
1. Tap on "Plug-Ins" "Remove All" if you have any markings from the marking tool.
2. Move the machine to the top left corner and tap on "Add +" to mark along the top edge of the middle section. Then move the machine along the top edge as far as you can move it and tap on the "Add +" once again and tap on "OK" to exit the marking tool.
3. Select your design then tap on "Open"
4. Now let's mark and place at the same time. The reason you are marking this first placement is just in case something happens, and you need close out of the automation or if there is a disconnect by marking this placement will help make repairs easier.



1. Move the machine to the top left corner and place a marking sticker under the foot then use the “Single Stitch at the top of the screen to mark.
2. Tap on the “A” placement and you will see the design shift to align with your markings you made using the marking tool.
3. Move the machine along the top edge of the middle section and place another marking sticker under the foot of the machine and use the “Single Stitch.”
4. Tap on the “B” placement.
5. Move the machine back to the start point and once again use the Single Stitch to pull up the bobbin thread.
6. Tap on “Sew” to sew the first zone of the middle section.

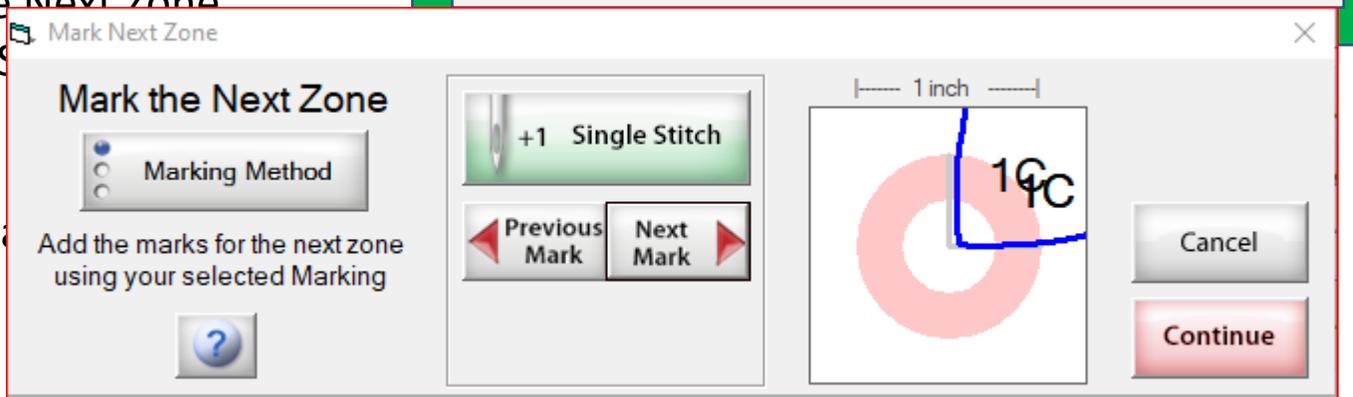
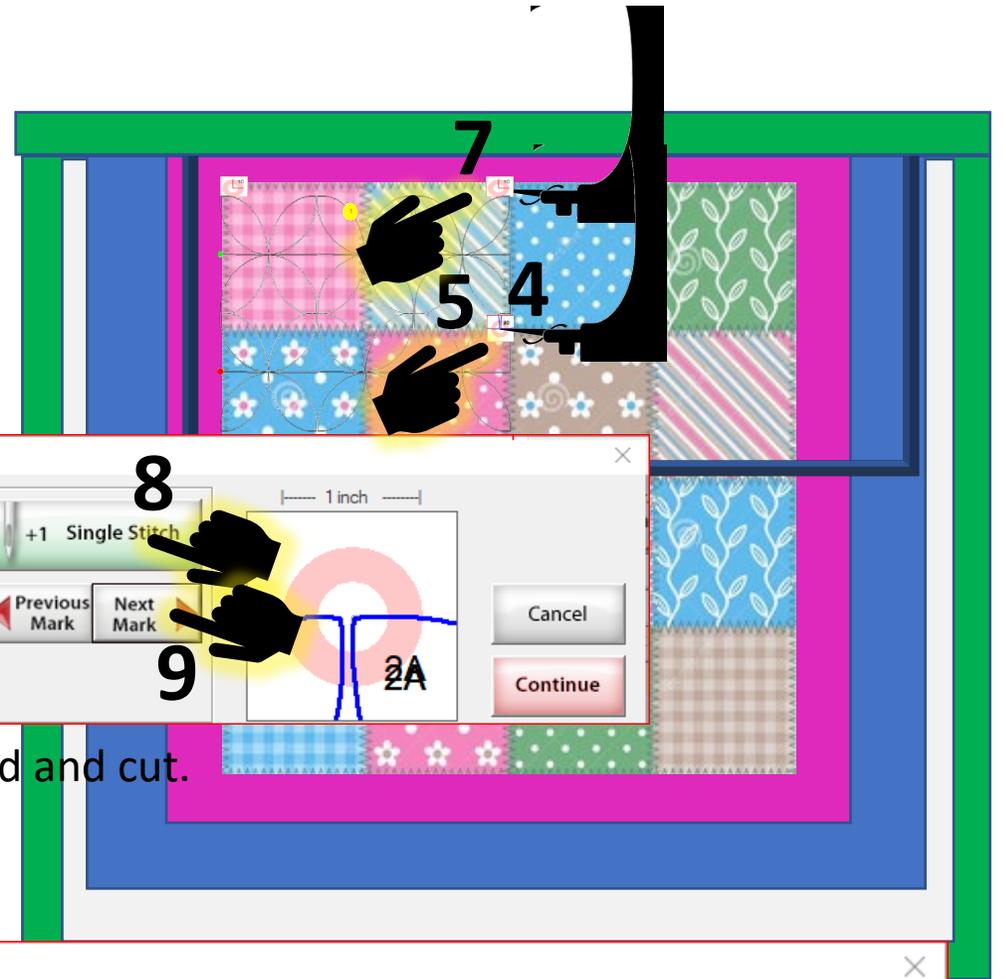
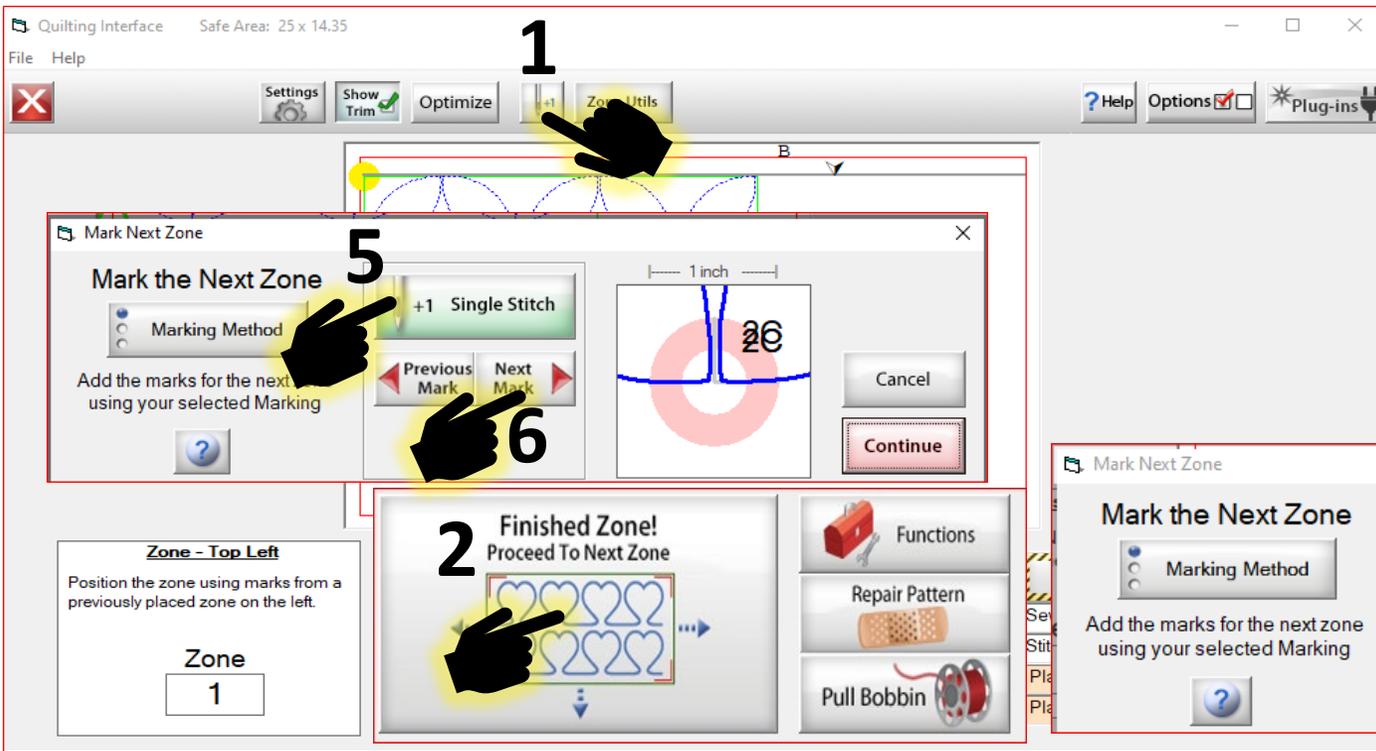


1. Move the machine back to the start point and once again use the Single Stitch to pull up the bobbin thread.
2. Tap on "Sew" to sew the first zone of the middle section.

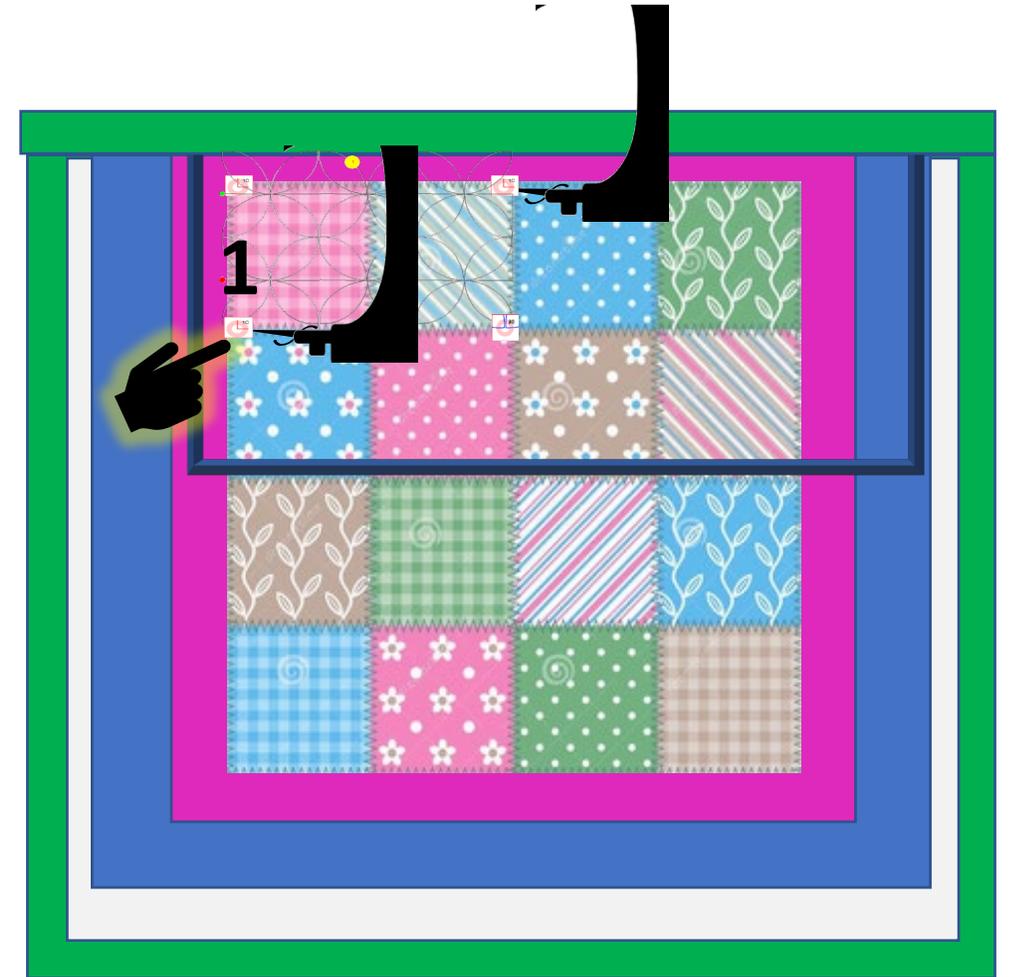
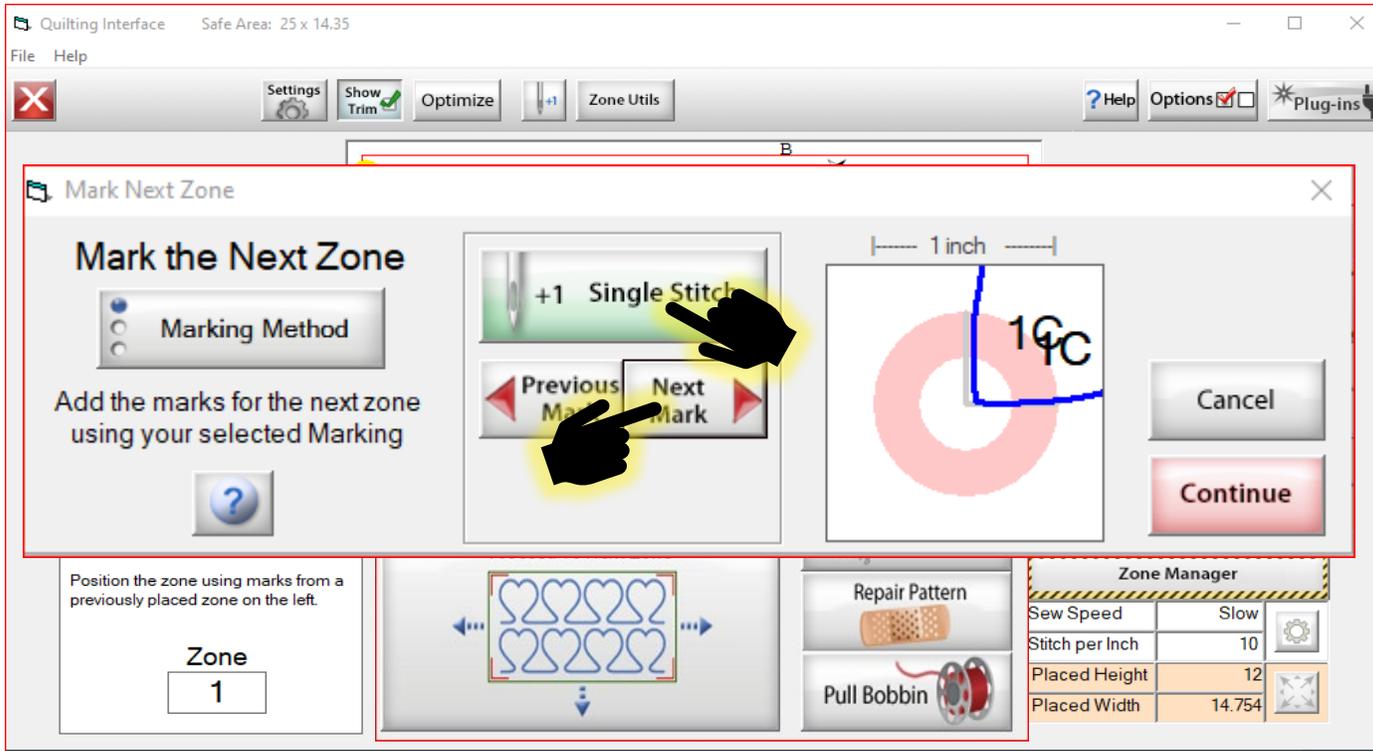


1. The machine will begin sewing and come to end of the top row and will ask you to prepare to move to next. Tap on the “ToolBox” “Release Carriage.”
2. Use the “Single Stitch” inside the “Toolbox” to pull the bobbin thread and cut.
3. Tap on “Move to Next.”
4. The machine will move to where the next section will begin sewing.
5. Tap on “Sew.”

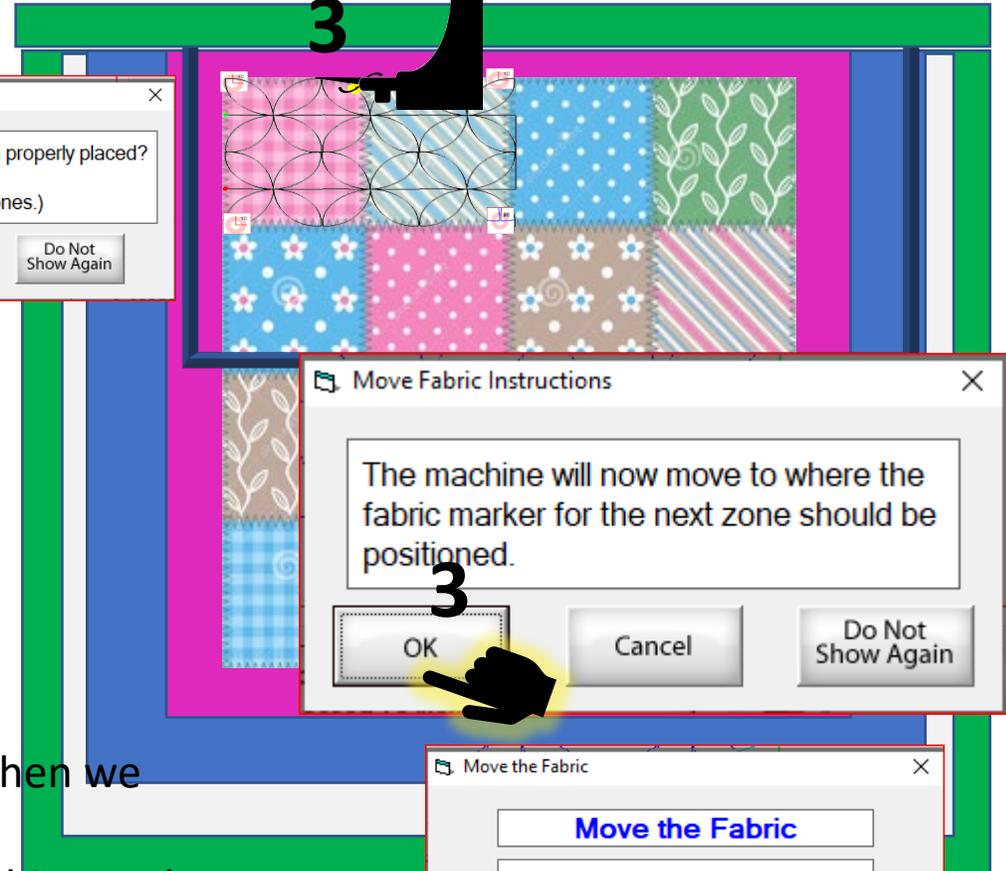
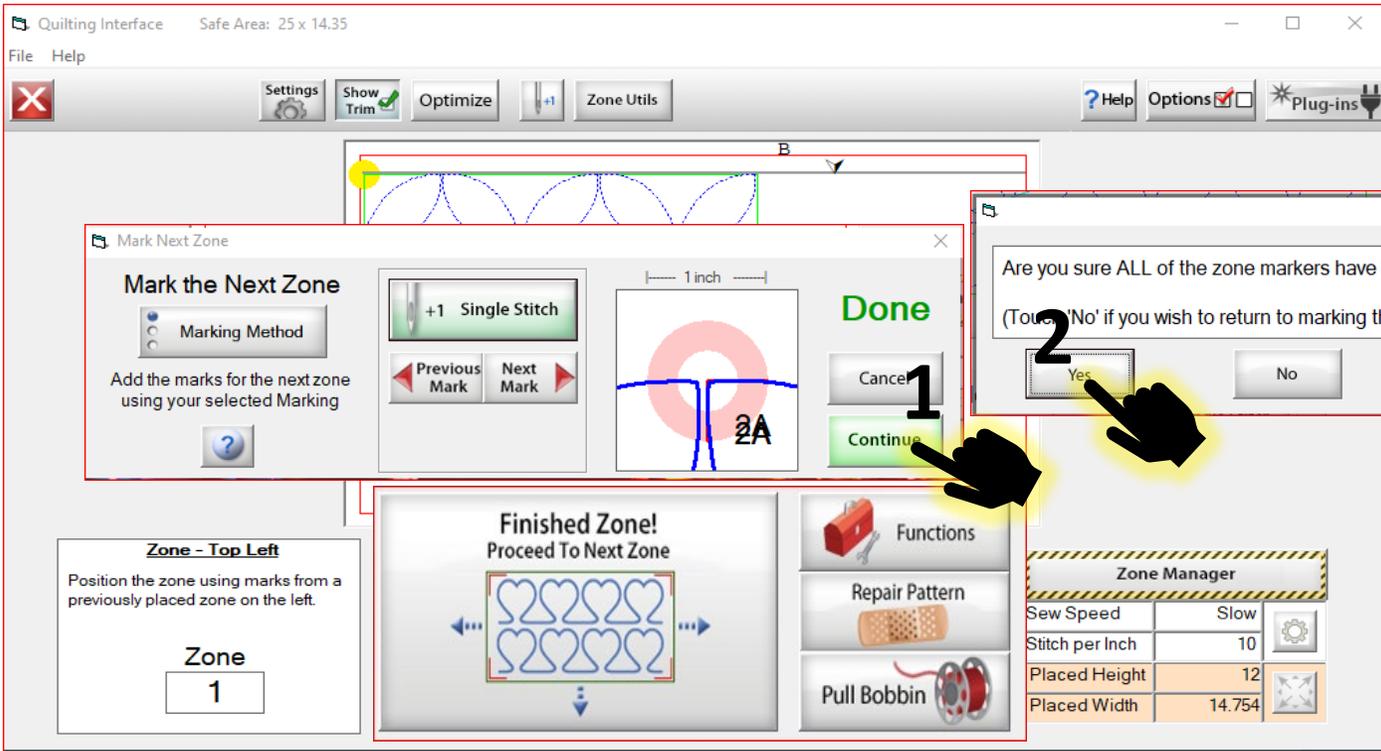




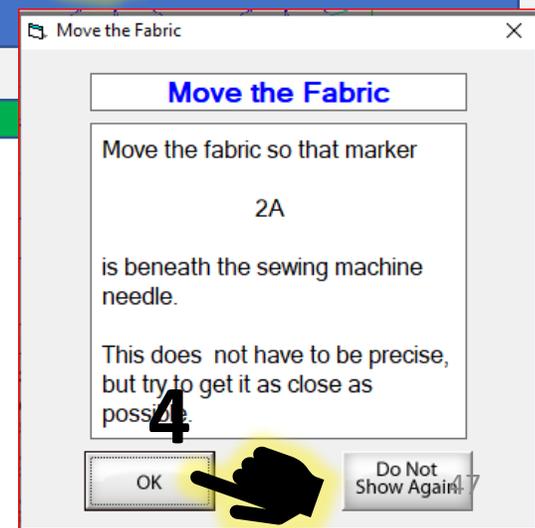
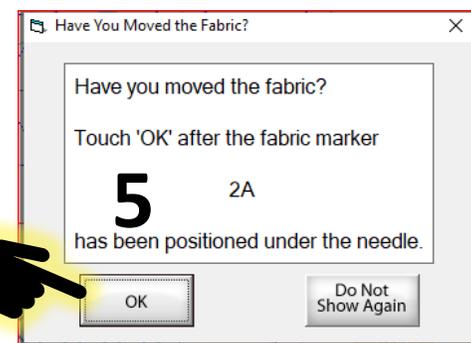
1. Use the “Single Stitch” at the top of the screen to pull the bobbin thread and cut.
2. Tap on “Finished Zone.”
3. Tap on yes to the message you have completed the zones.
4. The machine will move to where you will “Mark the Next Zone.”
5. Place the sticker under the foot and tap on “Single S marker number.
6. Next tap on “Next Mark.”
7. The machine will move to the next mark and place write down the zone marker number.
8. Tap on “single stitch.”
9. Tap on “next mark.”

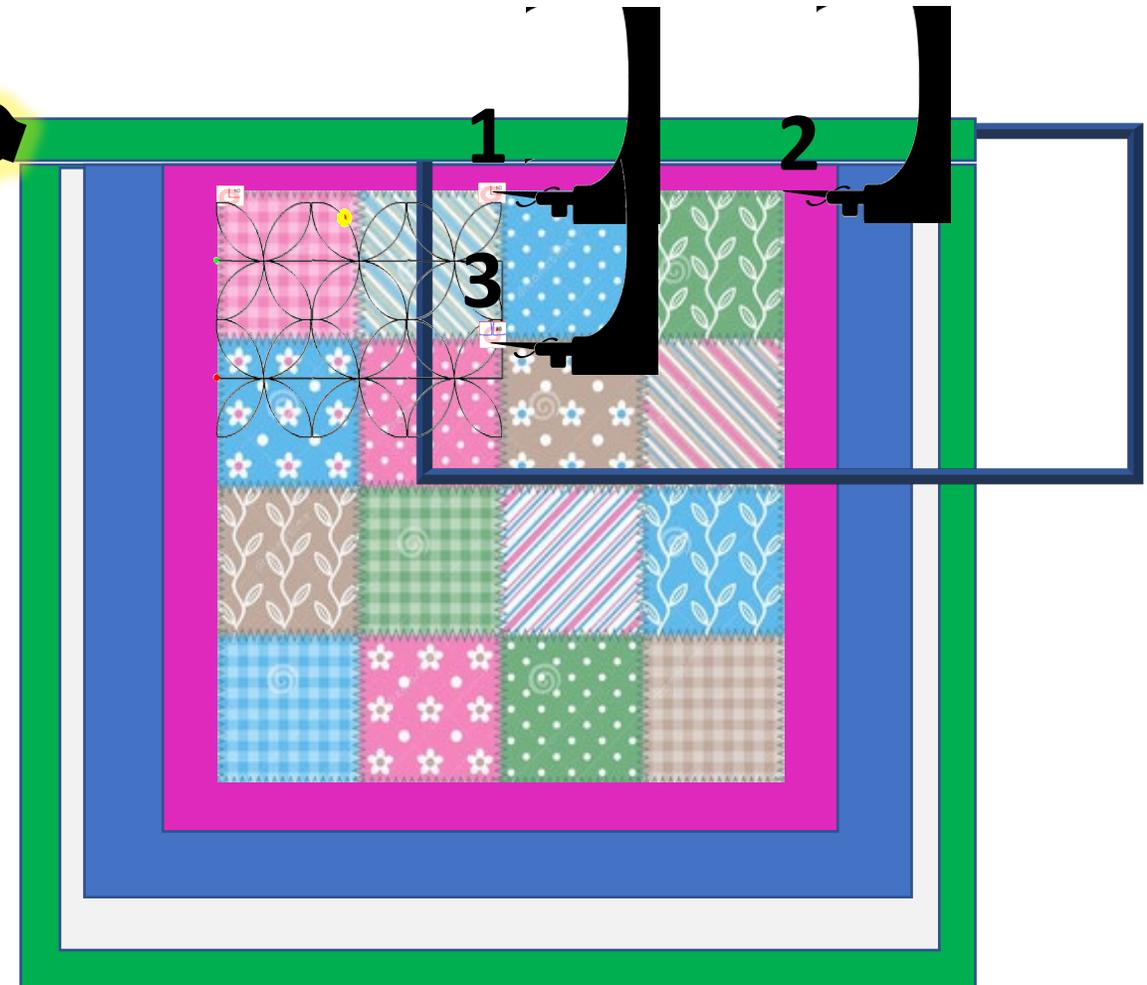
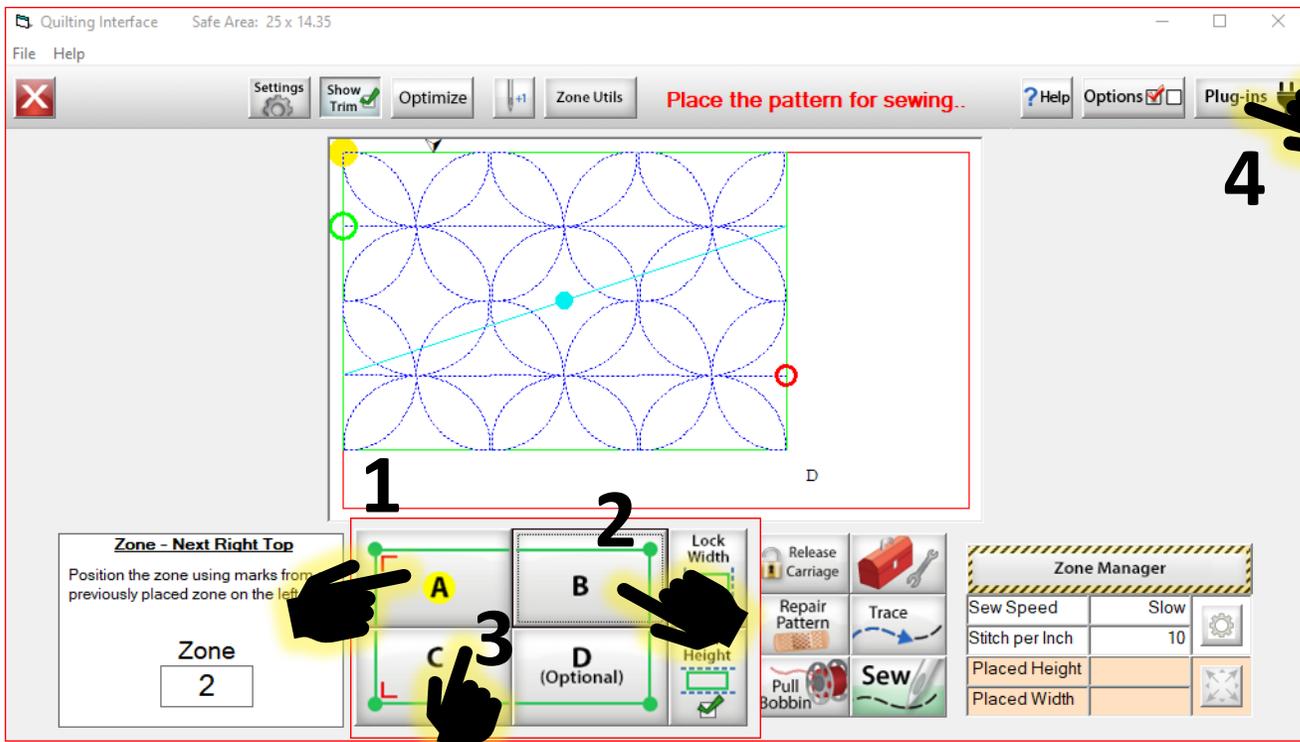


Note: As you are marking the C and D placements, they will become the A and B placements for the next zone. This happens because you are repeating the same two rows over again. Keep tapping on “Next Mark” to make sure you have all your placements. Let the machine and automation show you then know you can use the marking tool and make slight adjustments.

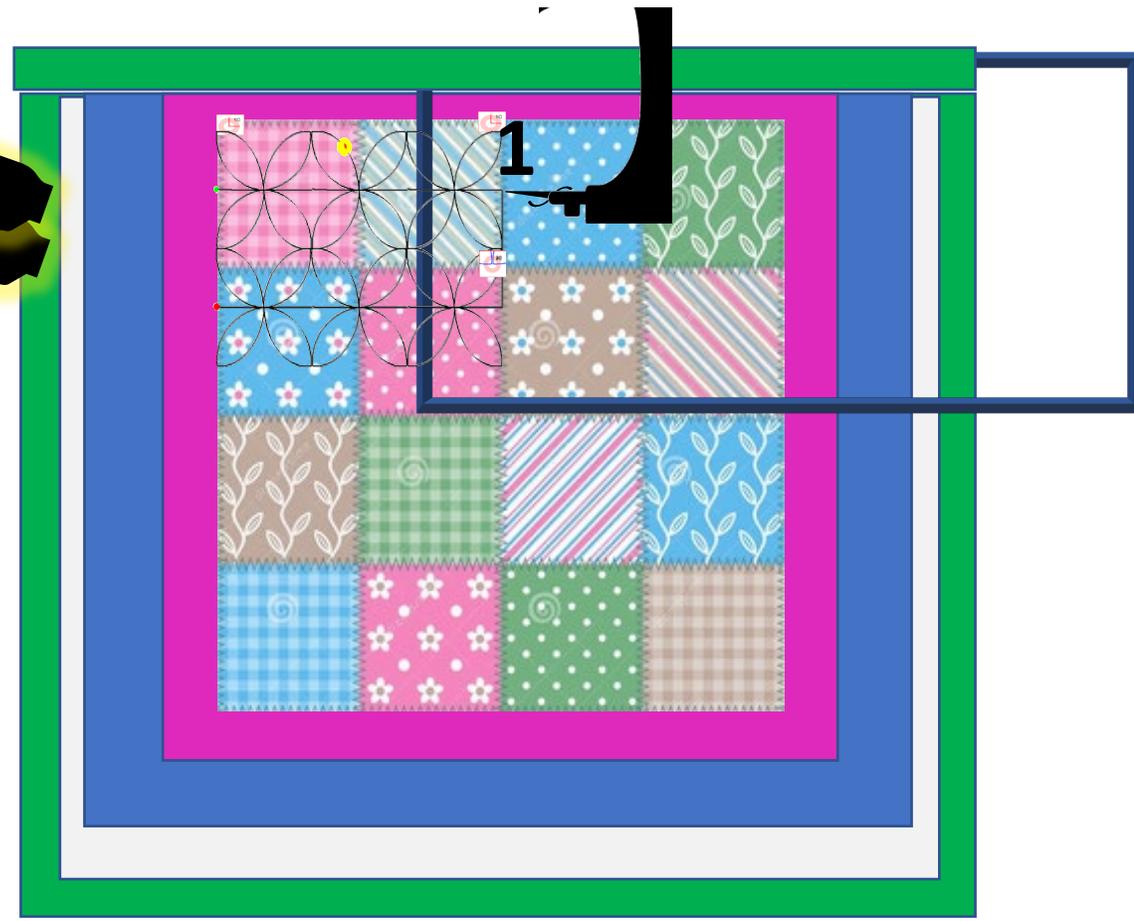
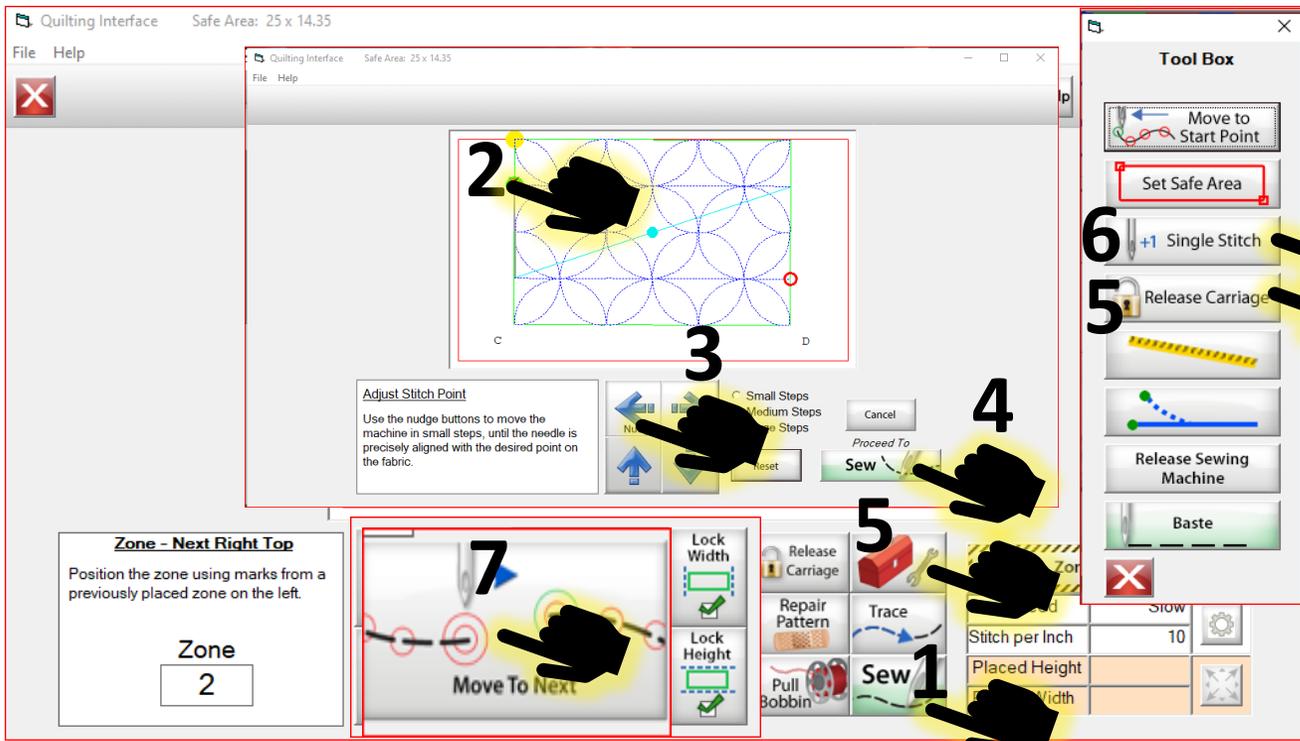


1. Notice we are done marking tap on "Continue."
2. Tap on "Yes" the markers are placed.
3. The machine will move to where the fabric marker will be positioned when we shift the quilt. Tap on "OK."
4. Move the quilt so that the marker 2A is underneath the foot of the machine and tap on "OK."
5. Have you moved the fabric? Tap "OK."

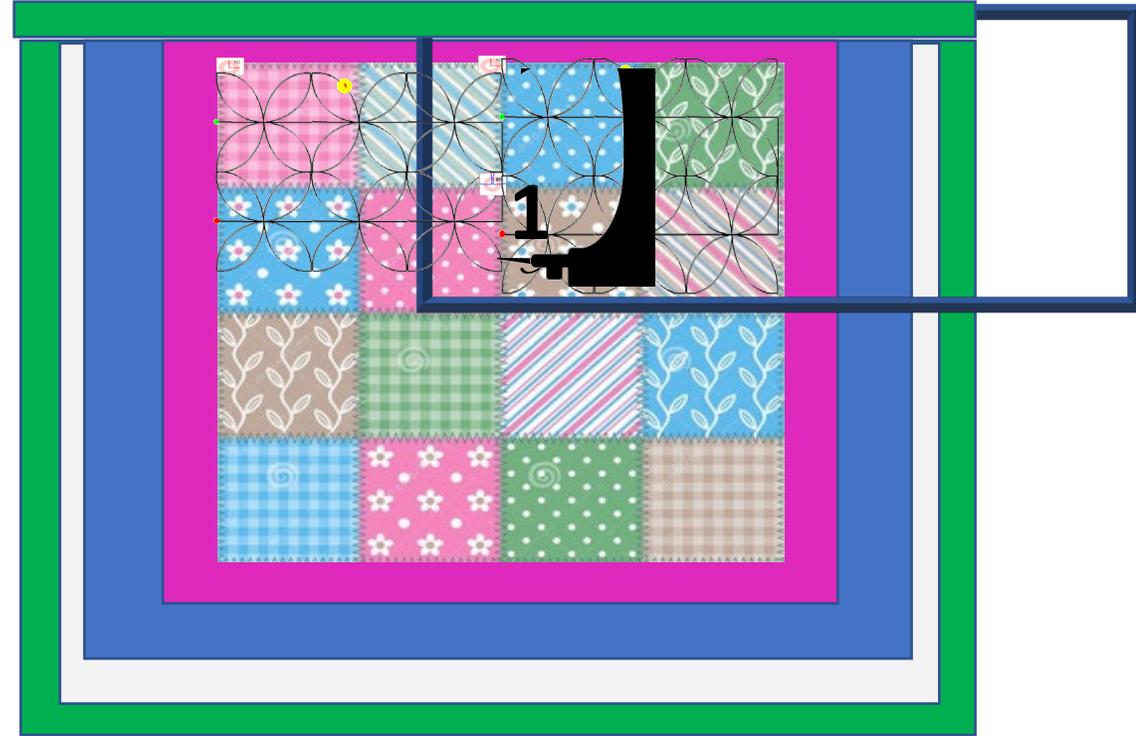
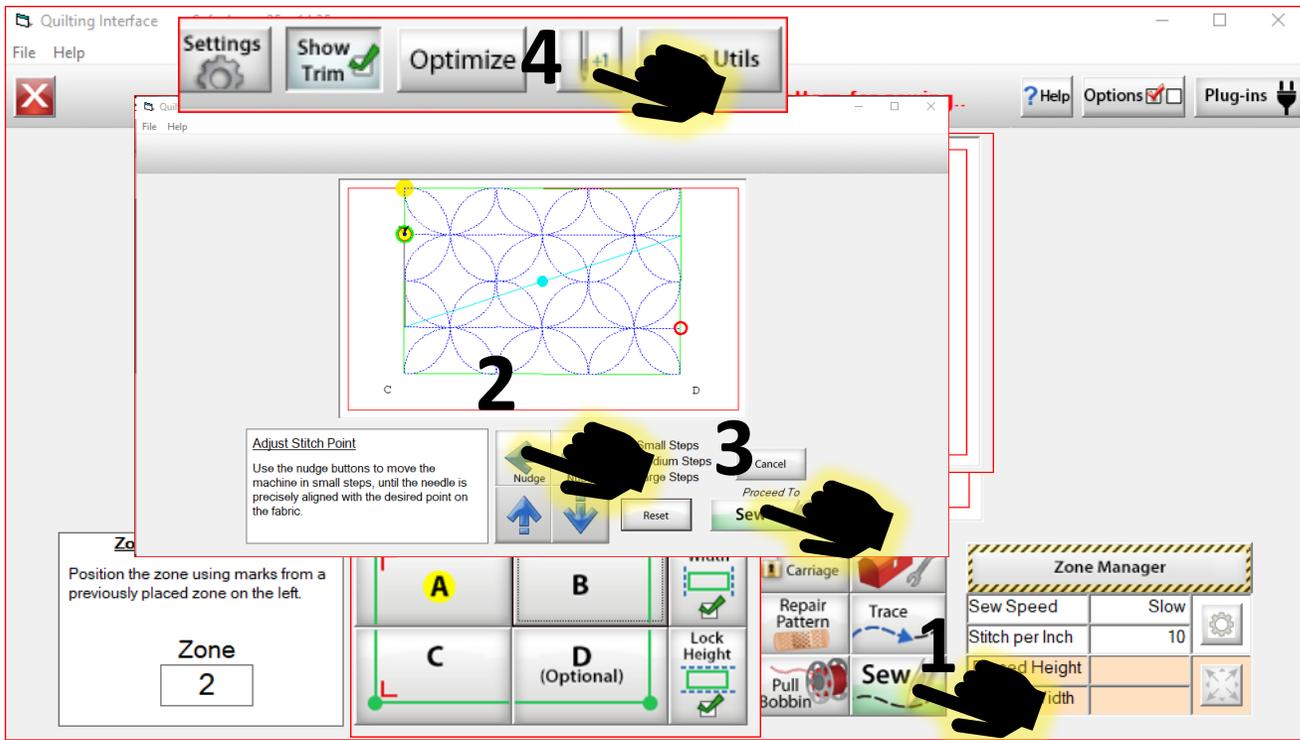




1. Align the needle of the machine over the hole of 2A and tap on placement A.
2. Now move the machine along the top edge and tap on placement B.
3. Move the machine to placement 2C and align the needle over the hole and tap on placement C.
4. With all the placement placed use the marking tool to mark so we can align our end points to match up using End Point Adjust. Tap on "Sew."



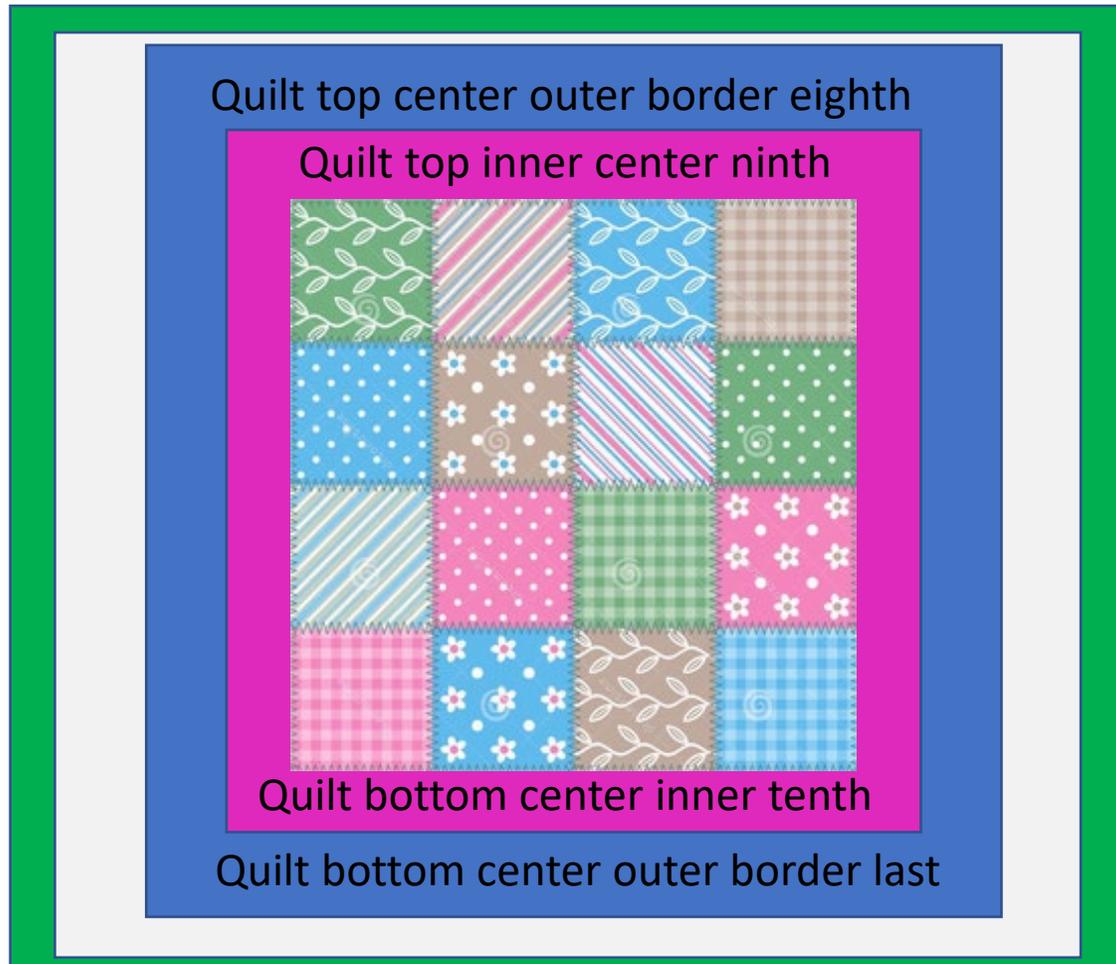
1. Move the machine to the start point and tap on "Sew."
2. The End Point adjust will open just incase you need to adjust any points.
3. Remember to tap on the point that needs adjusting first then use the arrows.
4. Tap on Sew.
5. The first section will sew out then Tap on the "Toolbox" "Release Carriage"
6. Use the "Toolbox" "Single Stitch" to pull up the bobbin thread.
7. Tap on "Move to Next."



1. Tap on “Sew.”
2. End point adjust will open for you to make any adjustments. Remember to tap on the screen of the first adjustment, the machine will move to that position, then you can adjust. Continuing until tapping on all the adjustment points. Tap on the first start point and use the single stitch to pull up the bobbin thread.
3. Tap on “Sew.”
4. After the machine is finished sewing tap on the “Single Stitch” at the top of the screen and continue with the placements. This process is the same all the way down the quilt. When you get to the last zone use the marking tool to help you place and align the last zone correctly. Use the same method we used for the top borders to place and sew the bottom. You have got this use the marking tool and follow the prompts.

After completing the inner edge to edge section continue and quilt the bottom inner and outer borders.

Before putting the quilt back onto the frame measure your using a measuring tape the distance of the center sections and write your measurements down.



Once you have completed turning the quilt layer and positioned them to quilt the top and outer center border section.

Use your measurements for your width and make sure you measure for the height. If you don't remember turn back to page 18 for help in measuring the total height.

Congratulations you have quilted a beautiful quilt top, take your time and don't get rushed by trying to hurry and skip needed steps. Enjoy the process and take pride and satisfaction you quilted this yourself!