

Celtic Knot Project

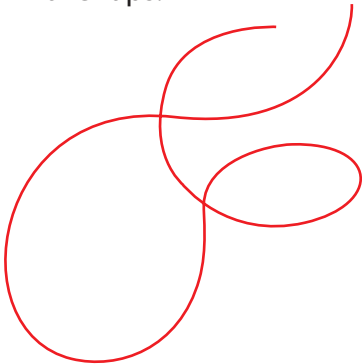
The document for this project will be 20" x 20"

Step 1: Begin by using your pen tool, pencil tool or shape tool to create a design using overlapping shapes and lines. If you would like to begin using paper and pencil to workout your designs, I think that would be a great idea.

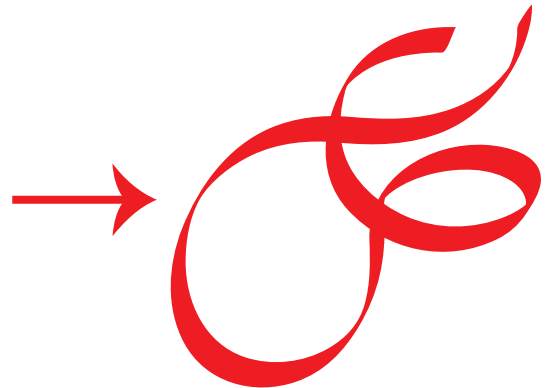
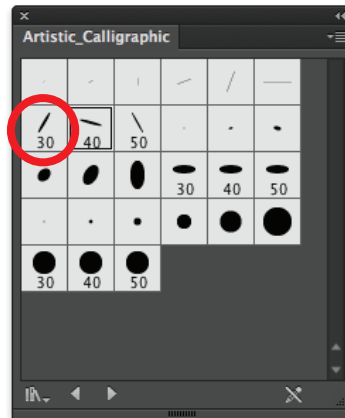
It is very helpful to use different colored shapes and lines to help you see where the design will cross over and dip under.

————— Possible examples of how to start do not copy this example —————

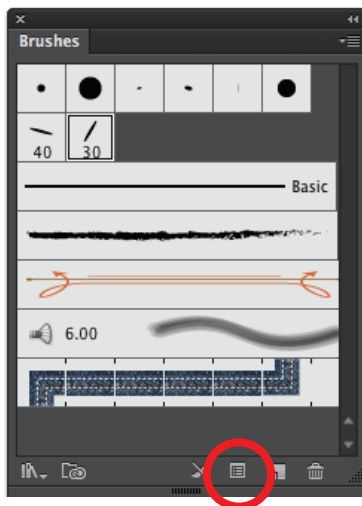
(a) Use the pencil or pen tool create a flowing line that overlaps.



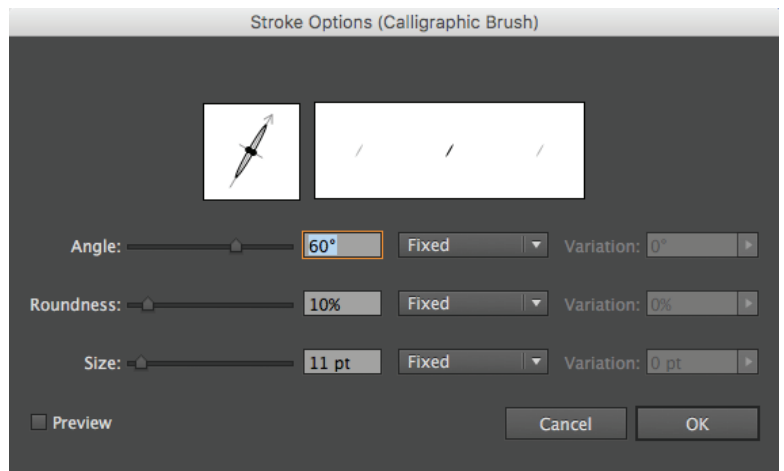
(b) Window > Brush Library > Artistic > Artistic Calligraphic



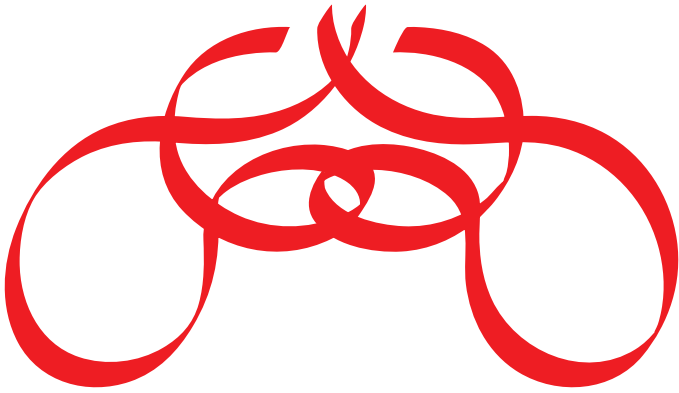
Window > Brushes



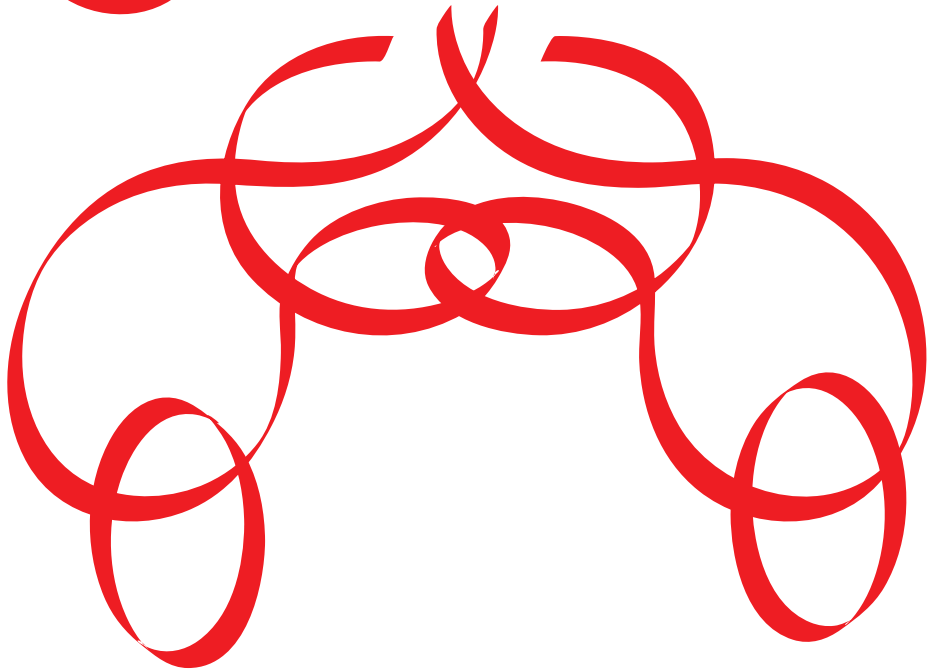
Adjust the some options



(b) Edit > Copy
Edit > Paste
Window > Transform > Flip Horizontal
Reposition the flipped design so it
overlaps the first.



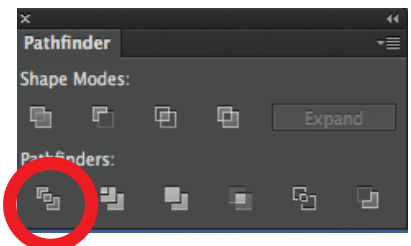
(c) Use the shape tool
to make an overlapping
oval.



Step 2: Make sure the stroke weight to an
appropriate weight. Not too thick, not too thin.

Step 3: OBJECT > EXPAND

Step 4: WINDOW > PATHFINDER > DIVIDE



Step 5: OBJECT > UNGROUP

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Delete the hidden shapes

Step 6: When we use the divide palette, Adobe Illustrator creates invisible shapes that have No Fill and No Stroke. We need to get rid of these invisible shapes because they get in our way. To find these shapes that have no Fill and No stroke, we need to create one.

Use the shape tool to draw any shape.

Take off the Fill and Stroke.



Fill

Stroke

SELECT > SAME > FILL and STROKE

Delete the invisible shapes.



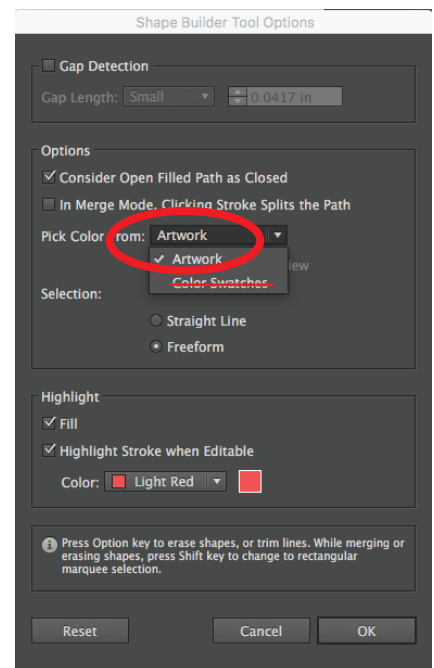
Removes Fill and Stroke

Using the Shape Building Tool

Step 7: Double click on the SHAPE BUILDER TOOL to open up the options. Make sure the PICK COLOR FROM is set to ARTWORK.

Setting the option to Artwork will prevent your design turning white as you unite your pieces.

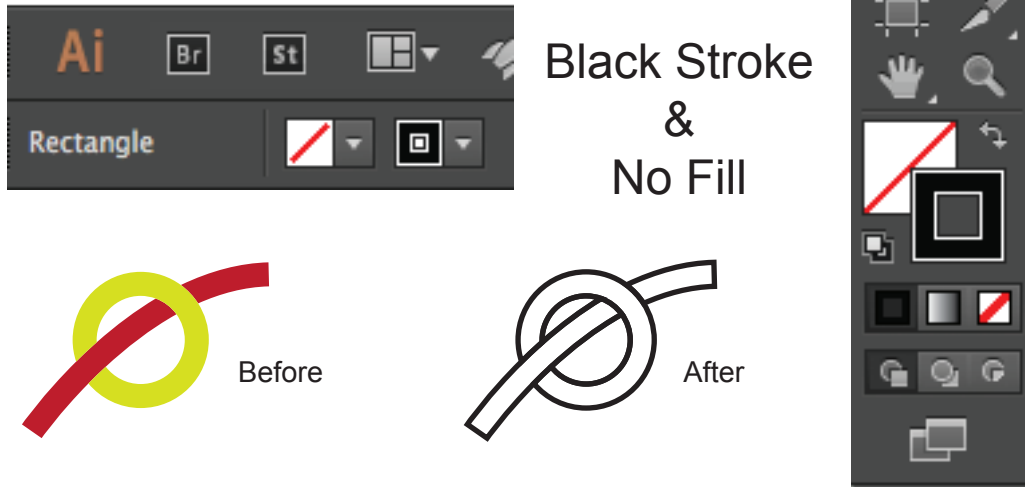
Step 8: Use the SHAPE BUILDER TOOL to unite the pieces creating an “over under pattern” for all the pieces.



How to turn your colored design into a black stroke design

Step 10: Select all the pieces of your design. You may want to OBJECT > GROUP the pieces together at this point.

Use either the color picker on the bottom of the tool bar or the color palettes at the top of the screen. Click the red slash mark to remove the FILL. Click on the STROKE FRAME to add in black. Adjust the weight of the stroke to make it appropriate for your design.



Getting rid of random high points

Sometimes there will be random points that did not get united by the Shape Builder tool.

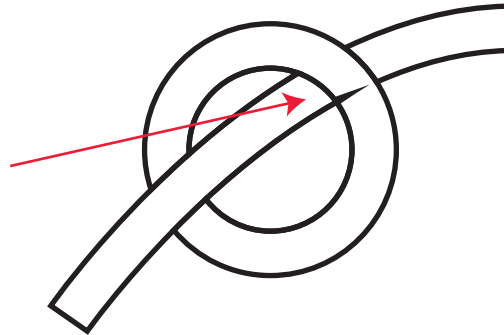
When we outling these random points they will create strange pointy spots.

If you get some of these - Select the points with your black arrow.

Use your pencil tool to draw over and smooth out these points.

Be careful not to alter the points too much.

CNTL - Z to undo if you don't like what the pencil tool did.



Flipping Designs to make corner elements

After you have designed a corner element

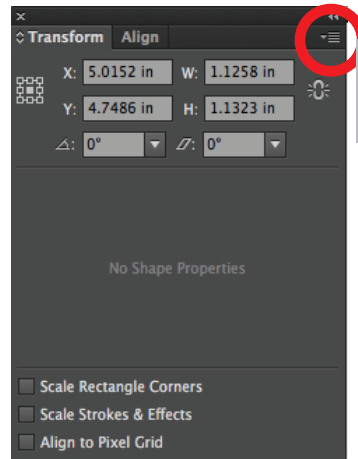
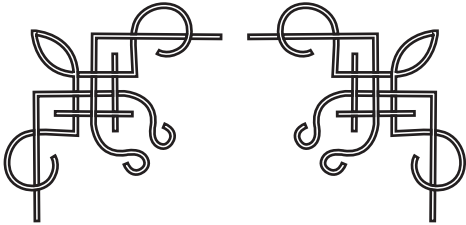
Press the R key to open the rotate tool. Rotate your design so it fits in the corner .

To make a copy of your corner element

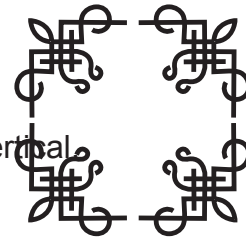
EDIT > COPY

EDIT > PASTE to create the left side.

Window > Transform > Flip horizontal.



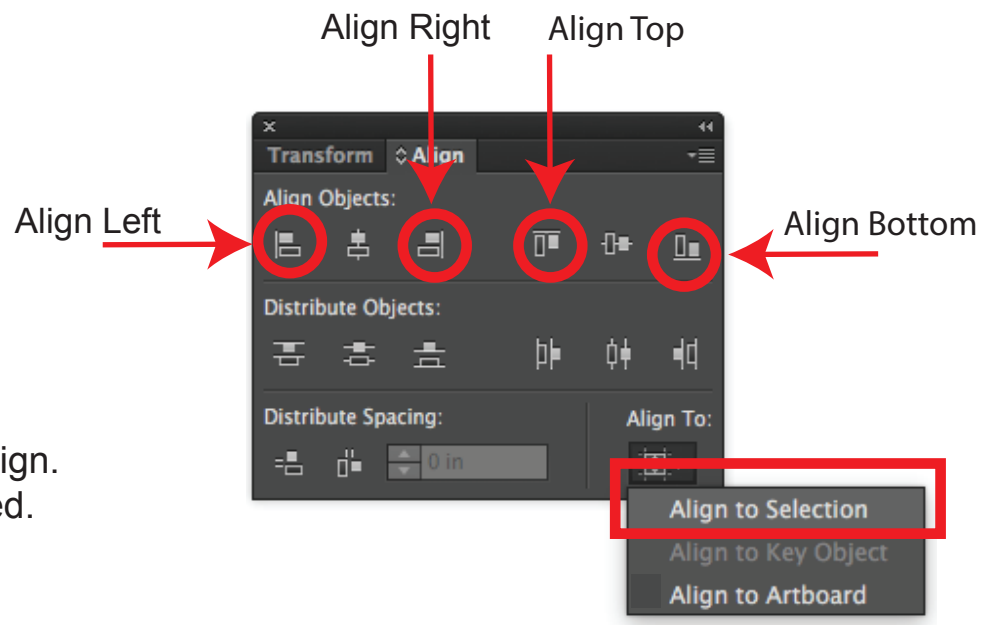
Flip Horizontal
Flip Vertical



EDIT > COPY

EDIT > PASTE the top two design - Window > Transform > Flip vertical

Align Palette



Window > Align

Select one corner design.
Make sure it is grouped.

Edit > Copy

Edit > Paste

Select both corners - Select Align to Selection

Choose the correct alignment - right, left, top or bottom