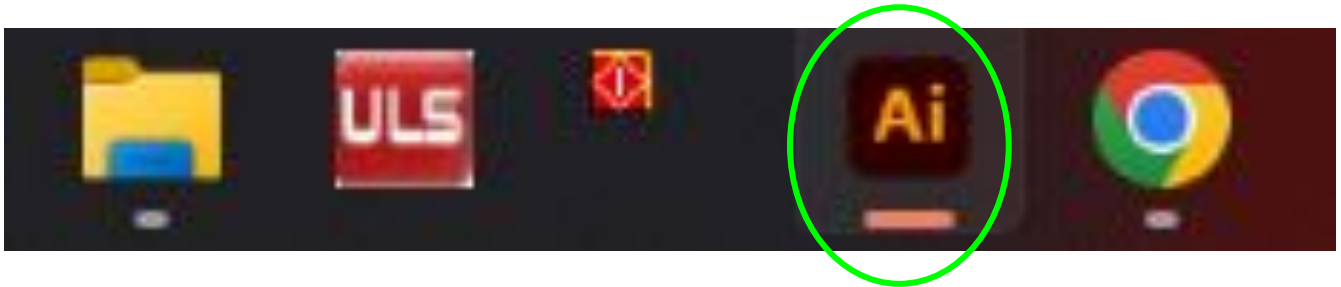# Outline Cut
Keychain

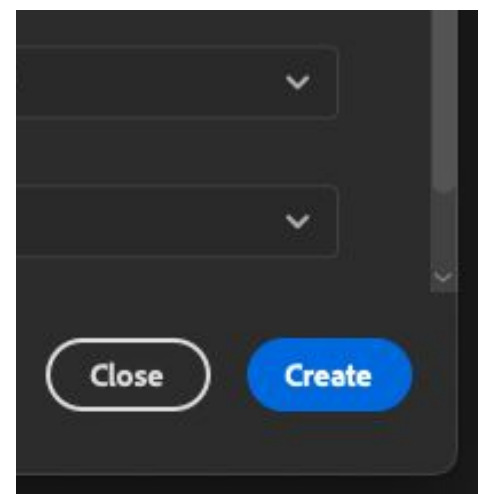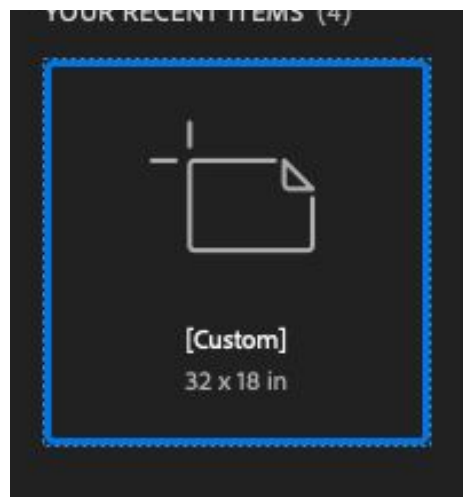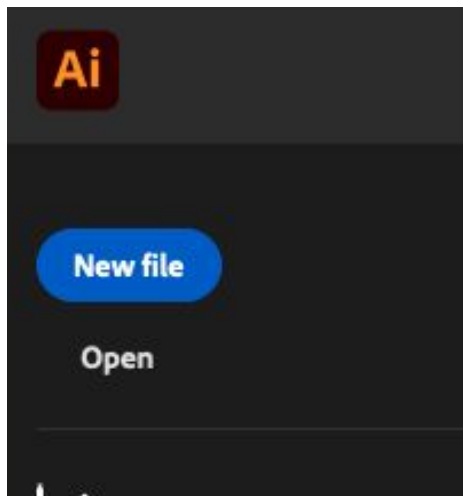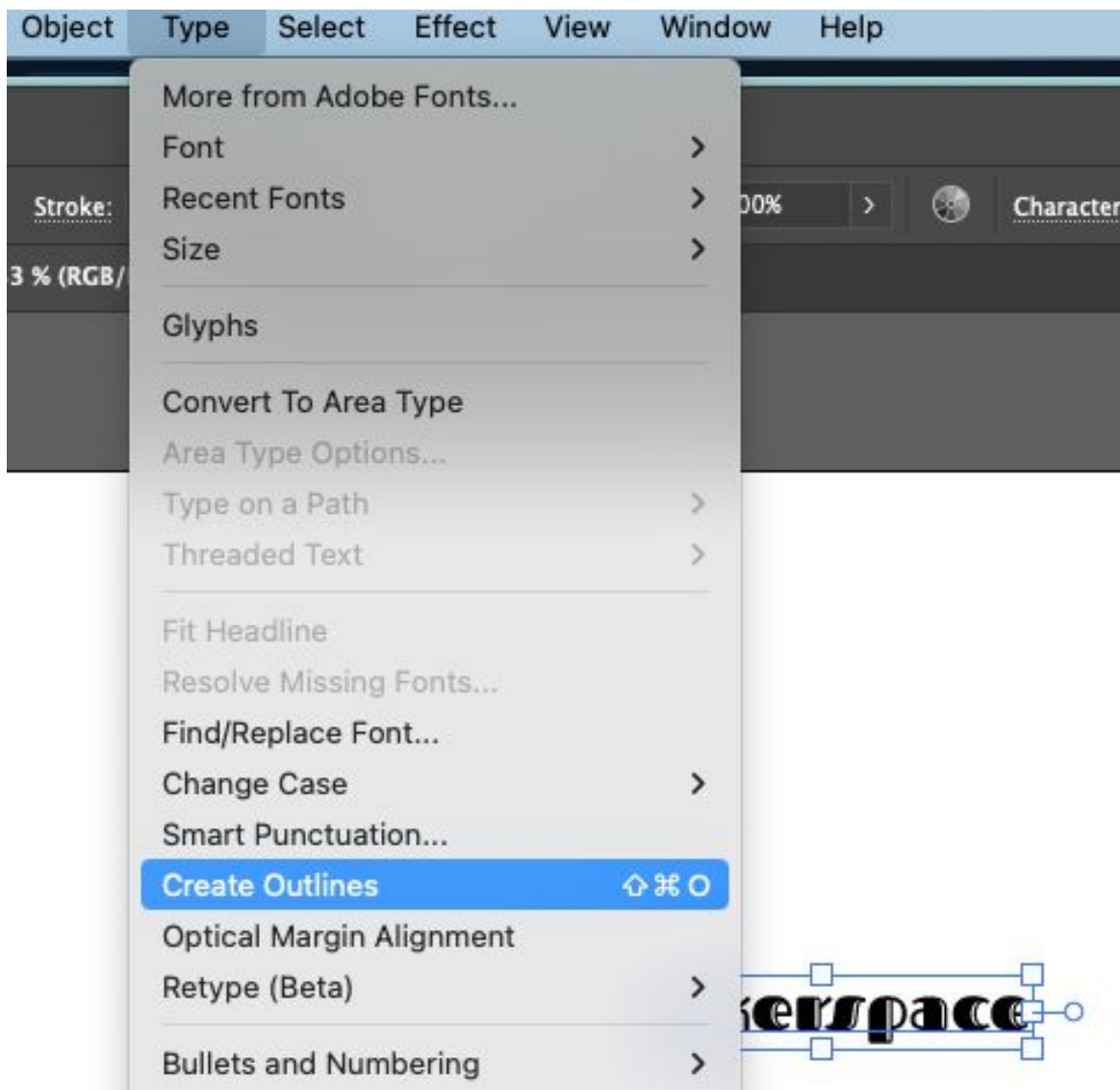# Create the Text

1. Open Adobe Illustrator.

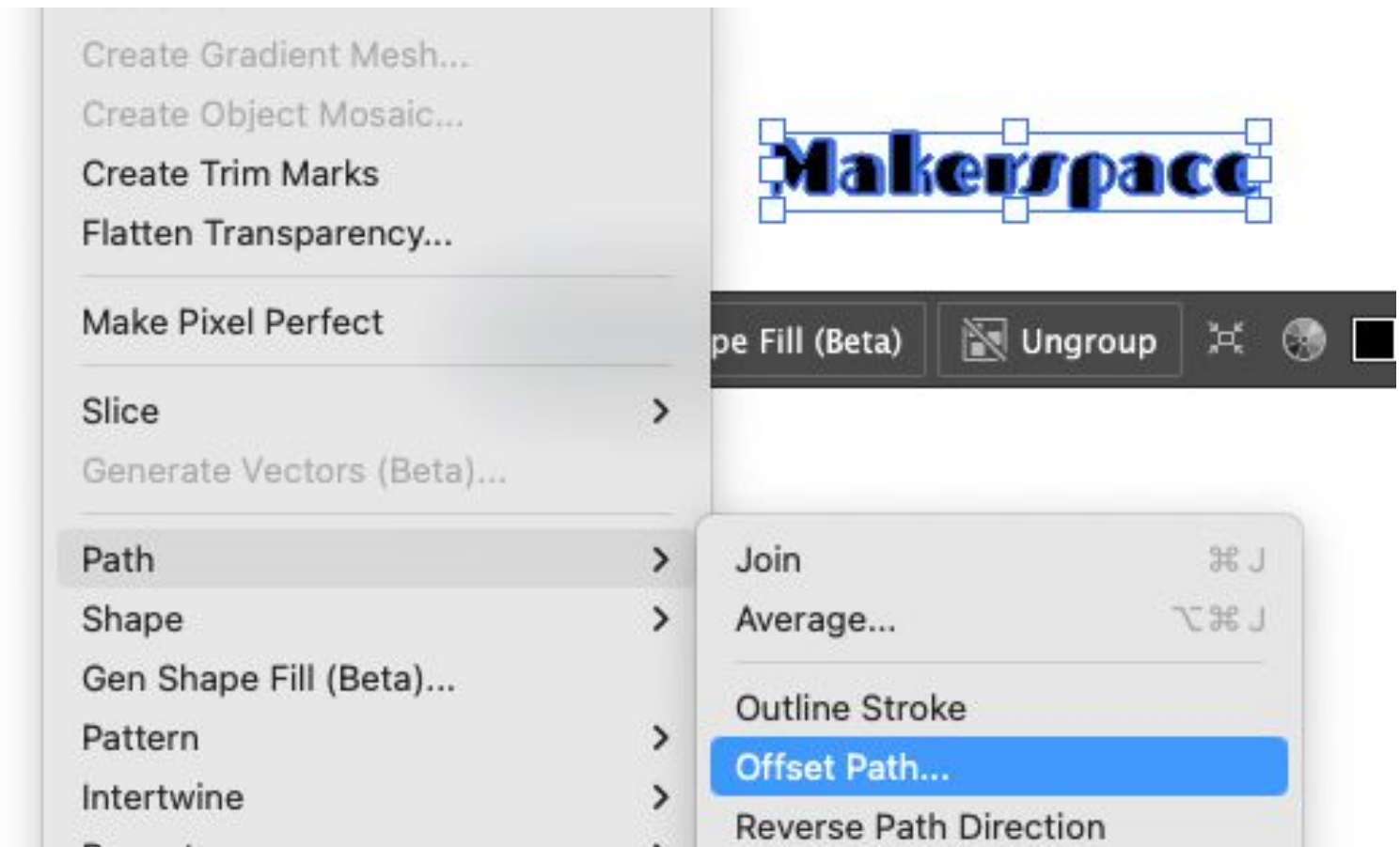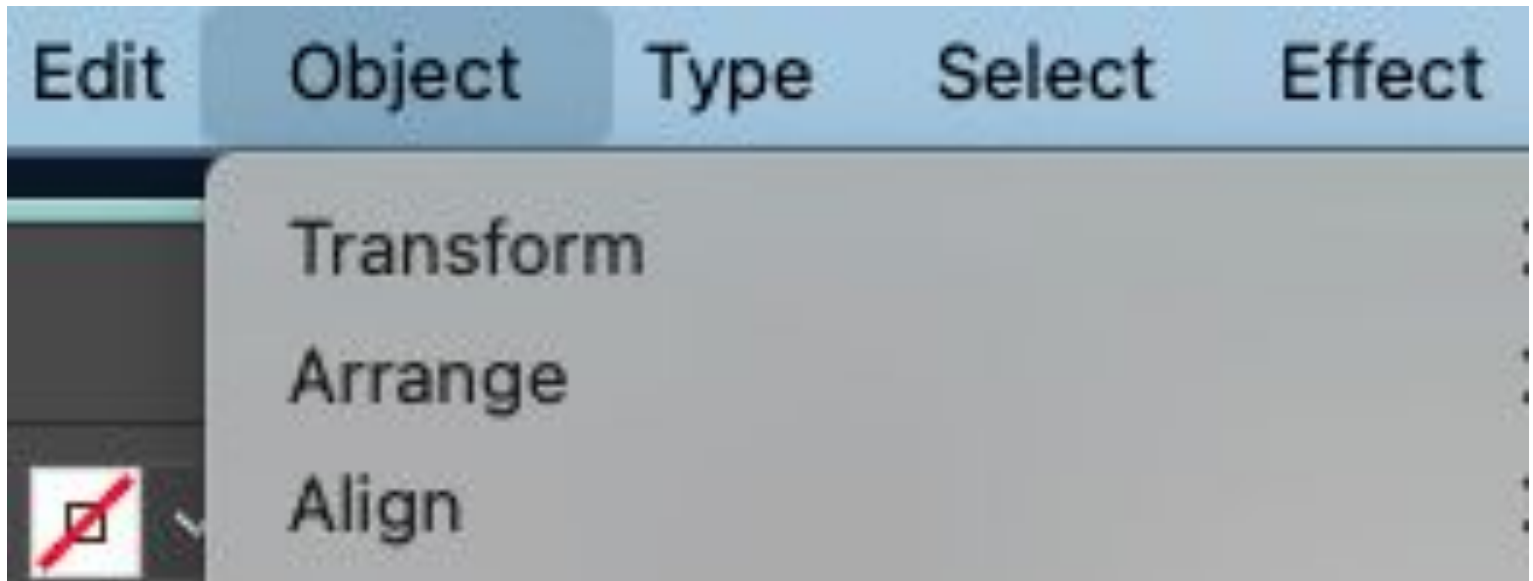2. Create a new file with the size 34" x 18".
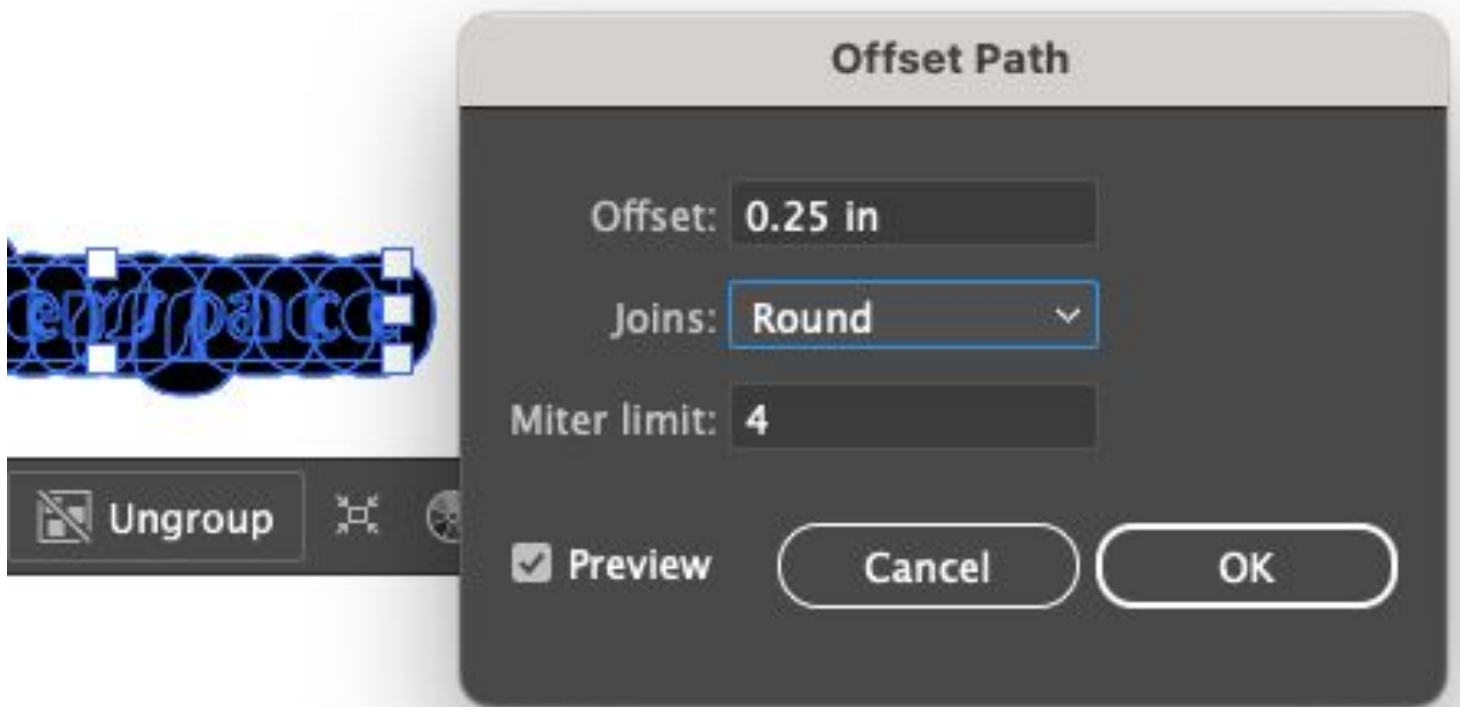
3. Type in the text and select the font type and size.

4. With the text selected, select the Type->Create Outlines tool.

5. Offset the outline with Object->Path->Offset Path...

Edit   Object   Type   Select   Effect

Transform

Arrange

Align

Create Gradient Mesh...

Create Object Mosaic...

Create Trim Marks

Flatten Transparency...

Make Pixel Perfect

Slice   >

Generate Vectors (Beta)...

Makerspace

pe Fill (Beta)   Ungroup

Path   >   Join   ⌘ J

Shape   >   Average...   ⌥⌘ J

Gen Shape Fill (Beta)...

Pattern   >   Outline Stroke

Intertwine   >   **Offset Path...**

Reverse Path Direction

6. Change the Offset to "2.5 in", and the Joins to "Round"

Offset Path

Offset: 0.25 in

Joins: Round

Miter limit: 4

☑ Preview   Cancel   OK

Ungroup

7. In the Pathfinder panel, select Unite

Pathfinder

Click to Unite. Alt-click

Quick Actio

Offset

Gen Shape Fill (Beta)   Group   •••

Path   Stroke: 0.001 pt

/Preview

R   255

G   0

B   0
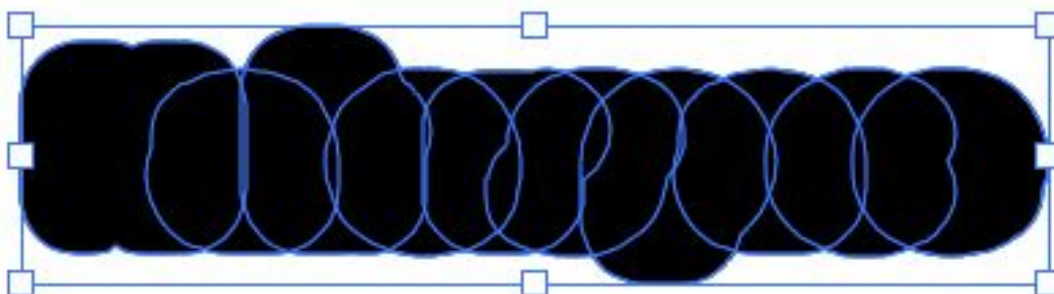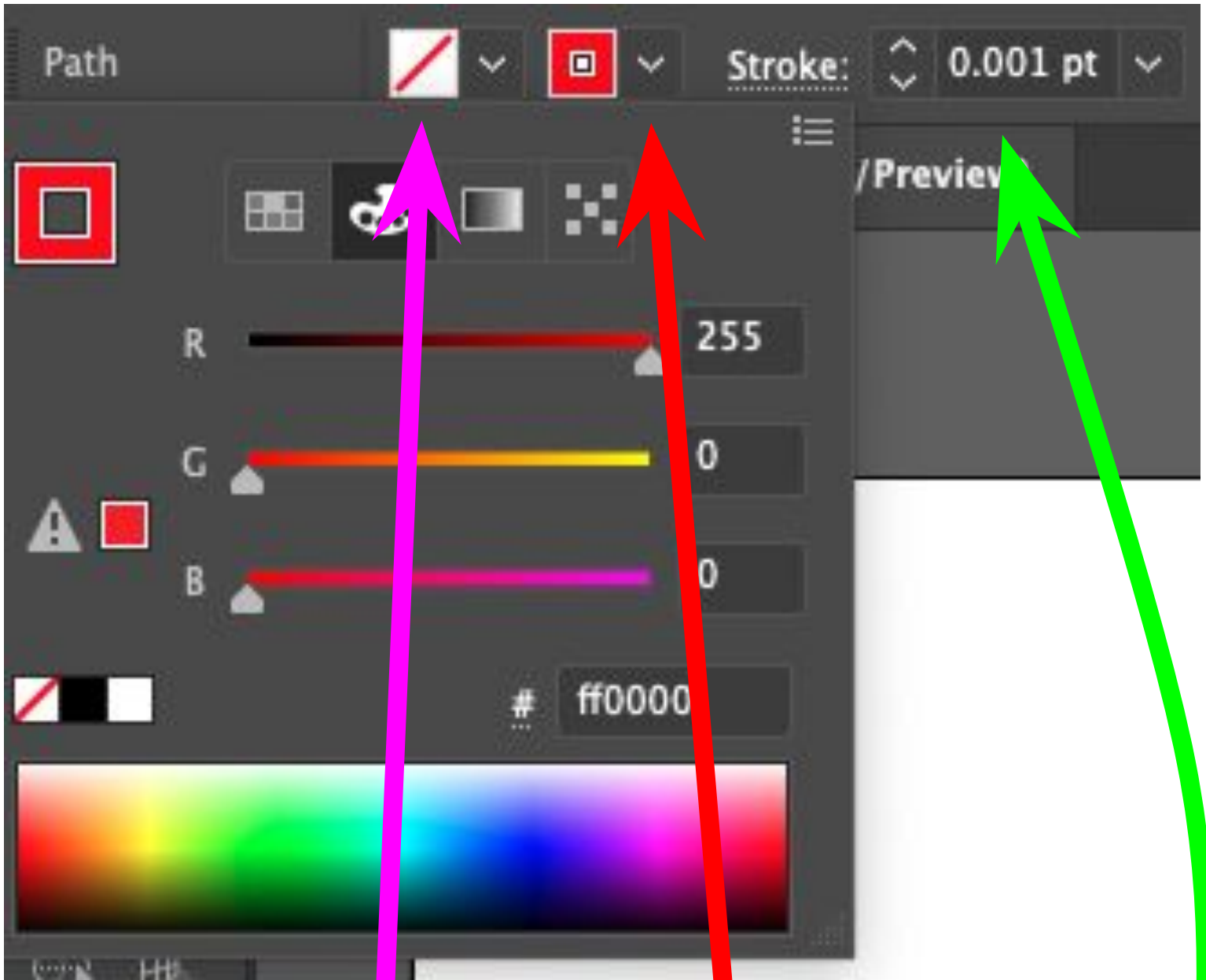
ff0000

8. Change the Fill to "none", the Stroke to "red" (it must be absolute red, rgb(255, 0, 0), #ff0000), and the Stroke Width to ".001" (points or inches).

9. Select the object and "Ungroup" so that the text and outline are now separate.

10. Create a circle to add to the end of the outline. This will be used for making a hole. Make sure there is no Fill and the Stroke is #FF0000 and .001pt.
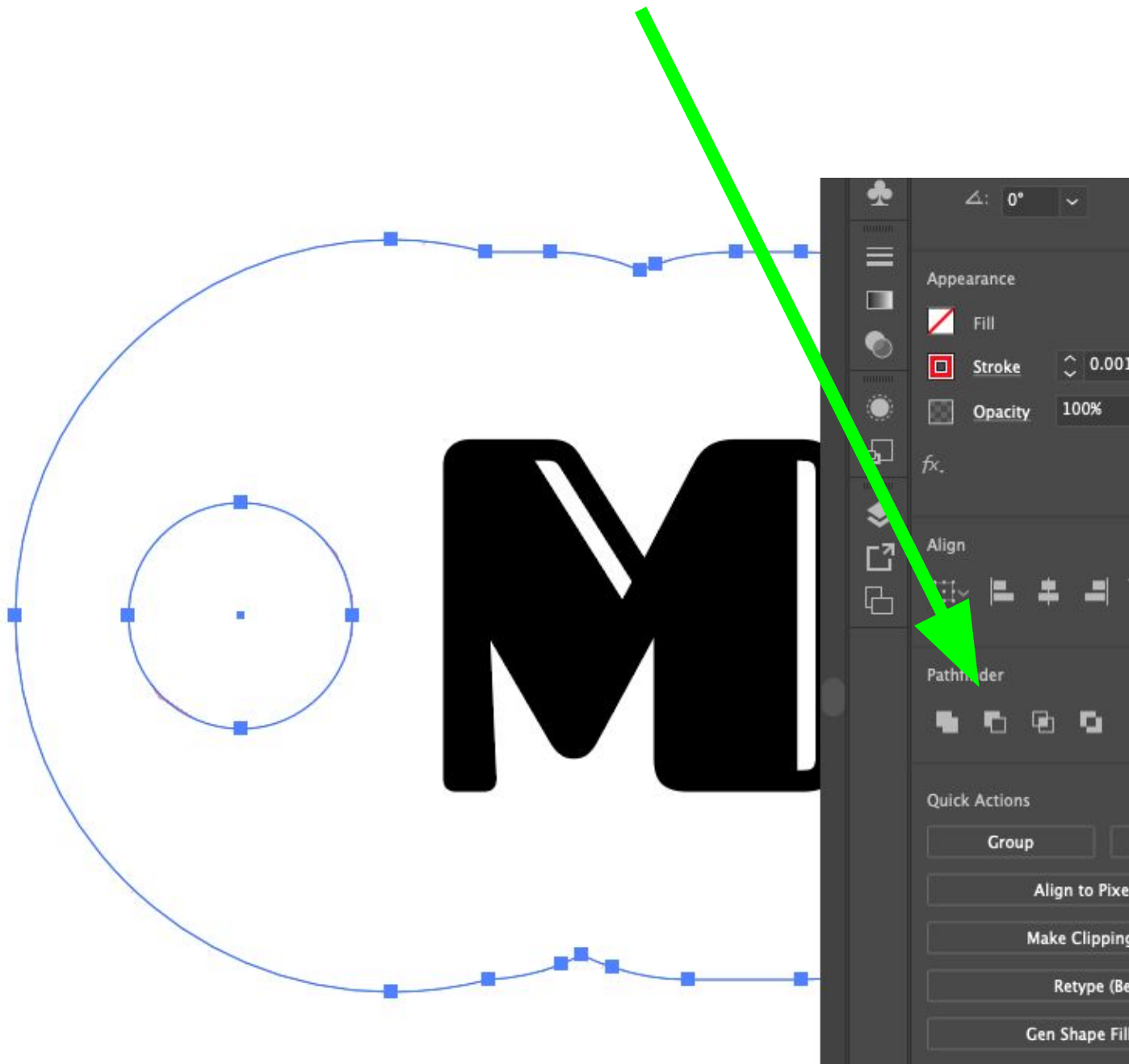
11. Position the circle on the end of the outline so that it makes a bump where we can add a hole.

12. Select just the outline and the circle, and under the Pathfinder section, use the Unite tool.
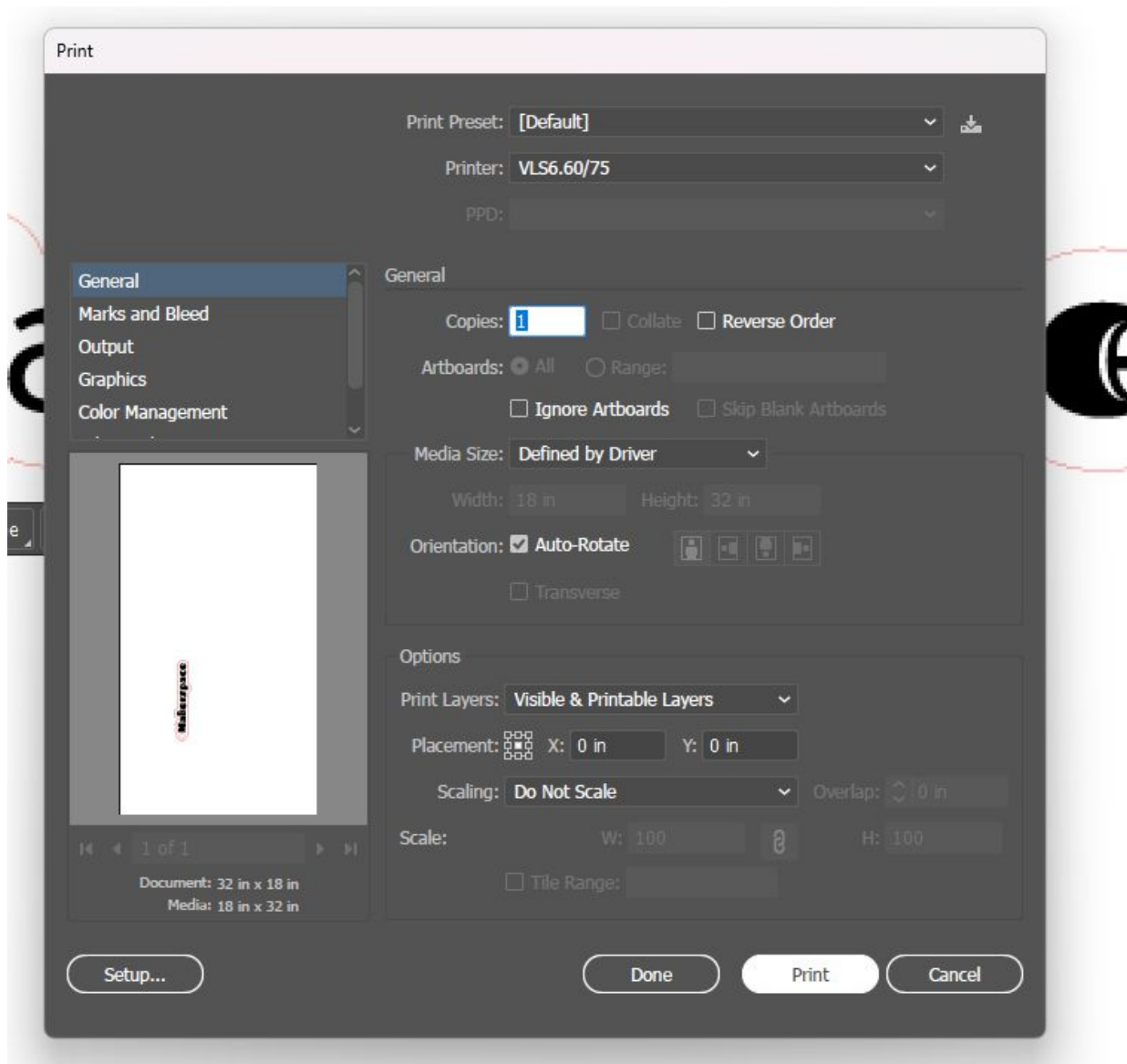
13. Make another circle, about .25 in, and then in the Pathfinder section select the Minus tool.
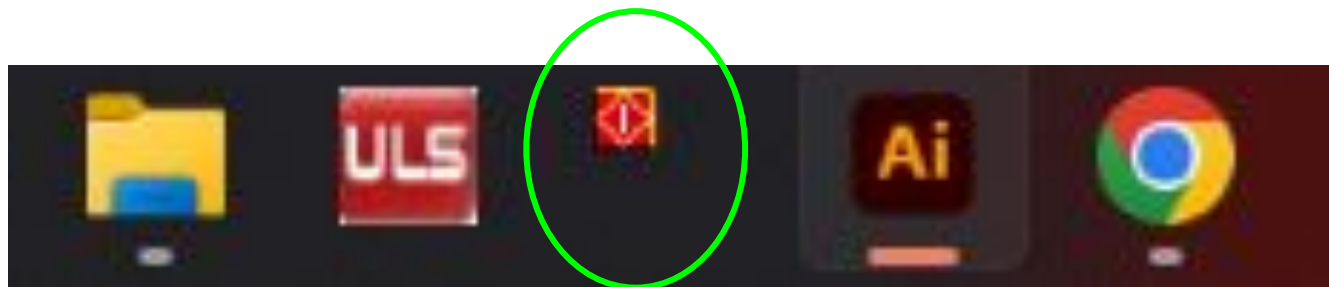
Appearance

Fill

Stroke   0.001

Opacity   100%

fx.

Align

Pathfinder

Quick Actions

Group

Align to Pixe

Make Clipping

Retype (Be

Gen Shape Fil

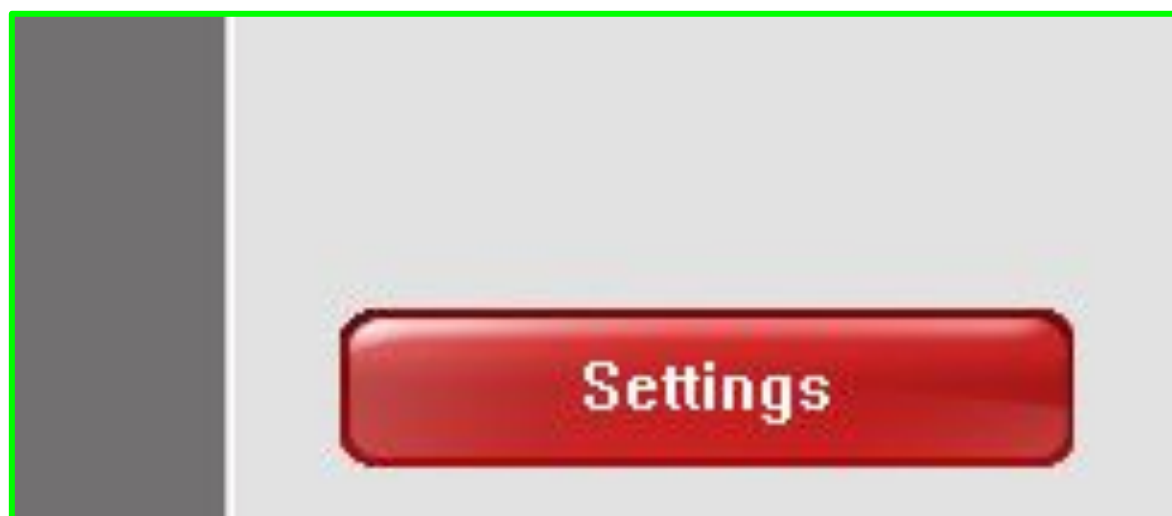# Your design is now ready to laser cut and engrave!

14. Print the design. File->Print, then click Print.

15. Open the Universal Control Panel

16. Click the Settings button.

17. Select the correct material and set the correct Material Thickness. Then click Apply and OK.

Find   Next

Intensity Adjust

Raster

Vector Engravi

Vector Cutting

Stone
Taskboard Basswood Tone
Taskboard White
Vellum
Wood
    Hard Wood
    Medium Density Fiberboard
    Medium Wood
        Alder
        Birch

Click to select material, double-click to edit, right-click for other commands.

Notes: 2.0 lens used

Print Special Effects
Normal
☐ Frame Rasters

Material Thickness
0.130 "

☐ Merge Pages

Print Direction

Vector Performance
Standard

Units
○ Metric
● inches

☐ 1-Touch Laser Photo

Fixture Type
NONE

Apply

Load

OK

18. Click the Power button to turn on the system.

19. Place your material in the bed. You can change the location of the pattern using the Move tool. Use the Focus tool to make sure the design fits on the material.

Focus   Move

20. When the material and design are aligned. Press the green Play button to activate the machine.

You made it!