

Understanding “Film” Ratios, How to Re-Size/Scale an Image, and Add (optional) Signature or Mark

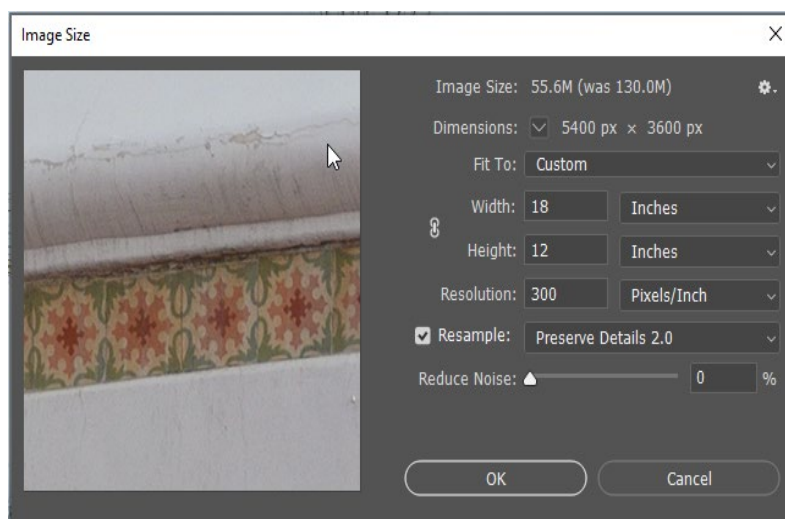
Understanding the digital “Film” Ratio (also known as In-camera Image Area, Format, or Aspect Ratio) helps with choosing the correct output size and avoiding some scaling or cropping issues. The film ratio is set for every image & often has a rectangular shape that is exceptionally precise in proportion. Check your in-camera menu (including phones) to review the format. For example, a 2:3 or 3:2 (the numbers can be transposed) film ratio would work best with an 8”x12”, 12”x18” or 16x24” print etc... 4 is multiplied **2** times = 8” and **3** times = 12”. Also 6 is multiplied **2** times = 12” and **3** times = 18”, and so on... There are many aspect ratio calculators available online. Here is one website that also calculates from image dimensions in pixels if you need to start calculating from a file size.

<https://www.calculatorpro.com/calculator/image-size-calculator/>

To calculate the largest size for image enlargement without affecting quality (Google about viewing distances), divide the Resolution (for example 300 ppi) into each dimension stated in pixels.

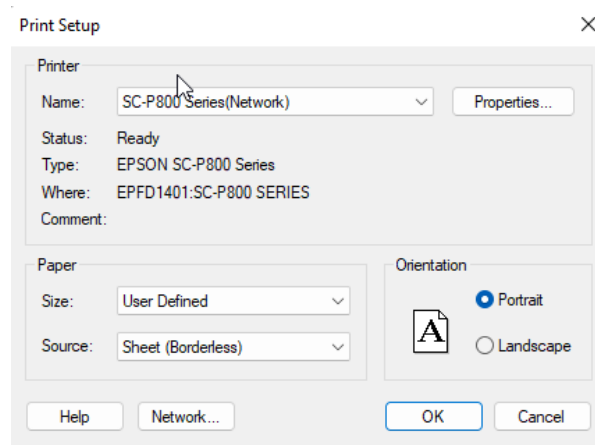
STEP ONE - Re-Size/Scale Image to fit on desired metal print size: Photoshop

- Open your image in Photoshop by going to Image Size (under Image Menu).
- Make sure Fit to Original Size is selected (it will change to Custom when the new Height and Width dimensions are entered).
- Make sure the dimensions are unlocked (no brackets above & below chain on left side) by checking the Resample Box with Preserve Details selected from the drop-down menu.
- Add desired size (from Page 9 of the rules), making sure the Height and Width are in inches.
- Set Resolution to 300 pixels per inch.
- Next type in desired metal print size in inches for Height and Width. Click OK.
- The image will now be scaled to the metal print size. Save As with JPEG as full quality image *Titled so you know this is for the Phase One Submissions Entry, matching the entry form.*



STEP ONE - Re-Size/Scale Image to fit on desired metal print size: Lightroom

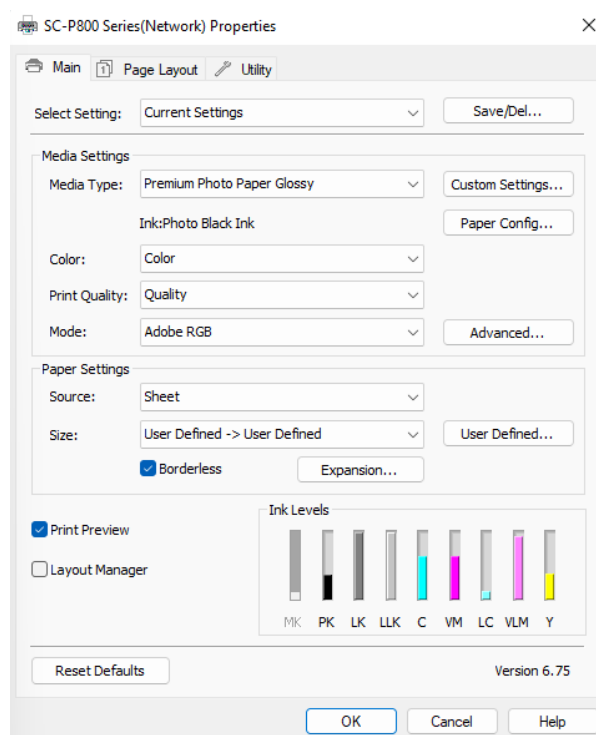
LR PRINT MODULE – Page Setup:



- Be sure desired size is selected in Print/Page Setup menu, then select Properties.
- If desired size is not listed, create a User Defined size by selecting Properties.

MAIN TAB (Print Properties)

- To create a User Defined size / Under Paper Settings, select User Defined.... (Example on next page)
- Save it and then select it from the drop-down menus.



- Be sure to Select Adobe RGB in the Mode drop-down menu, and Borderless
- Don't worry about print quality warnings, you will be printing to a JPEG. Click on the Expansion Button next to Borderless, to specify the amount of area around the image (to avoid resulting in a white border).

User Defined Paper Size

Base Paper Size: User Defined

Paper Size Name: User Defined

Paper Size: User Defined

☒ Enable Borderless printing

Fix Aspect Ratio: Not Specify

Base: ☒ Landscape ☐ Portrait

Paper Width: 12.95

Paper Height: 18.00

(5.00 - 590.55)

Unit: ☐ mm ☒ inch

Save Delete OK Cancel Help


- Now select Page Layout Tab

PAGE LAYOUT TAB (Print Properties)


SC-P800 Series(Network) Properties

Main Page Layout Utility

Select Setting: Current Settings Save/Del...

Orientation:  ☒ Portrait ☐ Landscape

☐ Rotate 180° ☐ Mirror Image

Copies:  Copies: 1

☐ Collate ☐ Reverse Order

Layout: Paper Size: User Defined

Output Paper: User Defined

☒ Reduce/Enlarge ☐ Multi-Page

☒ Fit to Page ☐ N-up

☐ Fit to Roll Paper Width ☐ Poster

☐ Custom Scale to 102 % Settings...

☐ Double-Sided Printing Margins...

☐ Folded Booklet

☒ Optimize Enlargement

☐ Print Bckg Color Color Settings...

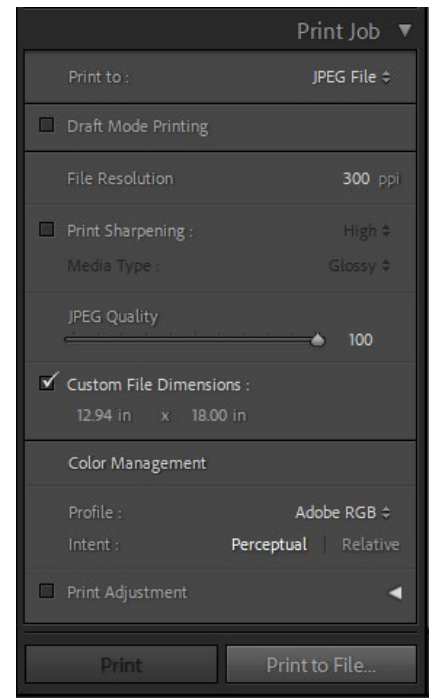
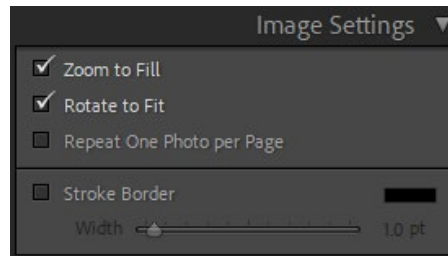
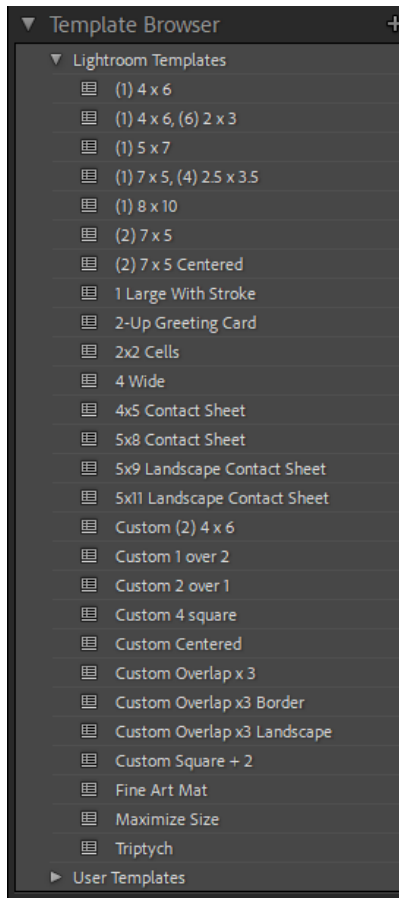
☐ Job Settings Details...

Reset Defaults Version 6.75

OK Cancel Help

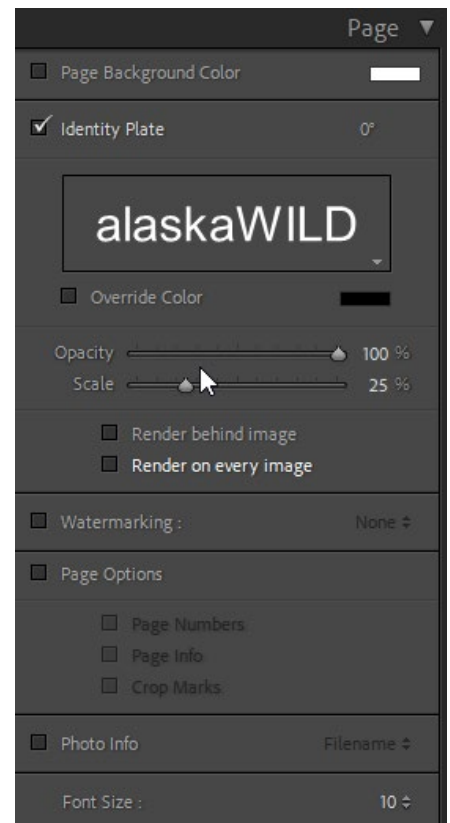
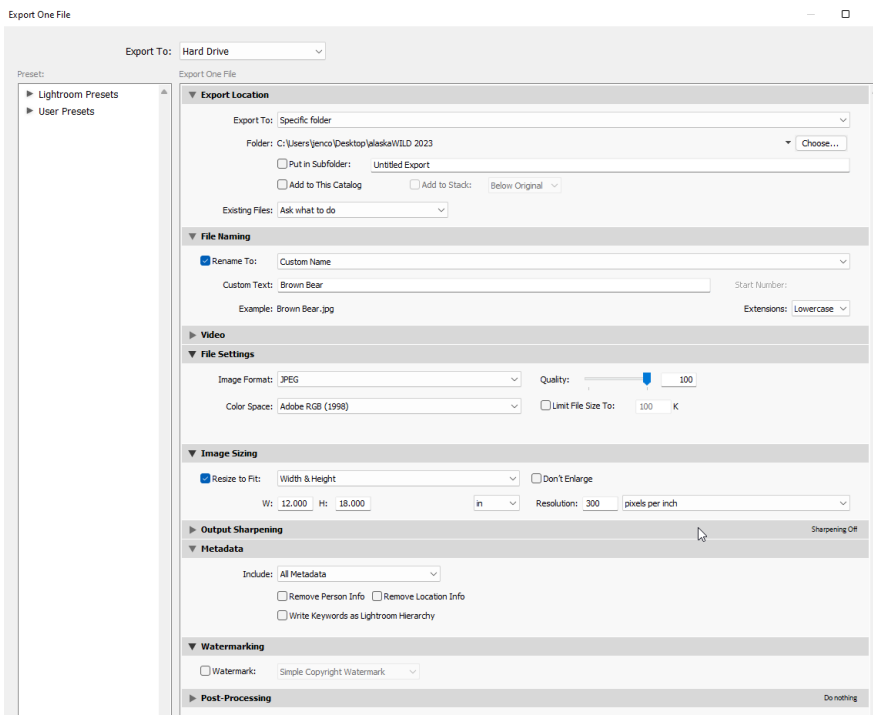
- Make sure Paper Size = User Defined and Output Paper = Same as Paper Size
- Under Layout select Reduce/Enlarge, Fit to page and Optimize Enlargement, then click OK

LR PRINT MODULE (Workspace)



- Once selections have been made in Page Setup, select Maximum Size from the Template Browser panel.
- If the image doesn't fill the entire User Define area, select Zoom to Fill from the Image Settings Panel
- Under Print Job, Select Print to JPEG file, Resolution 300, Sharpening is Unchecked, 100% Jpeg Quality, make sure Custom File Dimensions is checked (if a standard size was not selected in previous steps), and Profile Adobe RGB.
- Press Print to File button
- Save As with JPEG as full quality image *Titled so you know this is for the Phase One Submissions Entry, matching the entry form.*
- Double check that the output size is correct after saving the file.

or FROM LIBRARY MODULE – Export Window
(Next page.....)



- Save As with JPEG at full quality image *Titled so you know this is for the Phase One Submissions Entry, matching the entry form.*
- Select from Image Sizing menu the Height & Width, Dimensions, or Percentage in the drop-down menu.

STEP TWO Add Signature or Mark (Optional) - Photoshop:

- Open the newly created Save As image (from Step One) to embed signature or mark. **IT MUST BE AT LEAST 3/16" FROM ANY EDGE OF THE IMAGE**
- Place on a layer (on the image sized for metal prints) and then flatten
- Save As JPEG, this time *titled so you know this is the image for Phase Two.*

STEP TWO Add Signature or Mark (Optional) – Lightroom Print Module:

- Open the newly created Save As image (from Step One) and embed signature or mark. **IT MUST BE AT LEAST 3/16" FROM ANY EDGE OF THE IMAGE**
- To Create an Identity Plate, go to the Edit Menu (in upper left corner of program) and select – Identity Plate Setup; or create a mark in Photoshop first.
- In the Print Module, use the Identity Plate panel to select and place on image.
- Then select print to Jpeg in the Print Job section
- Press Print and Save As, this time *titled so you know this is the image for Phase Two.*