



**Creating PDF/X From
QuarkXpress 6 with Acrobat Professional**



Creating PDF/X From QuarkXPress 6 Using Acrobat Professional 7 or 8

PDF/X is the preferred file format for submission to Layton Printing. The PDF/X standard is an official ISO (International Standards Organization) standard for file transfer for the printing industry.

Creating a PDF/X file from QuarkXPress is easy. Unfortunately, the default export feature in versions 5 and 6 do not create a PDF/X file that will validate. To create the proper PDF/X requires that you have Adobe Acrobat Professional running on your Mac or PC and that you have an Adobe PDF printer configured.

To create a PDF/X file, you will need to Print to the Adobe PDF Printer.

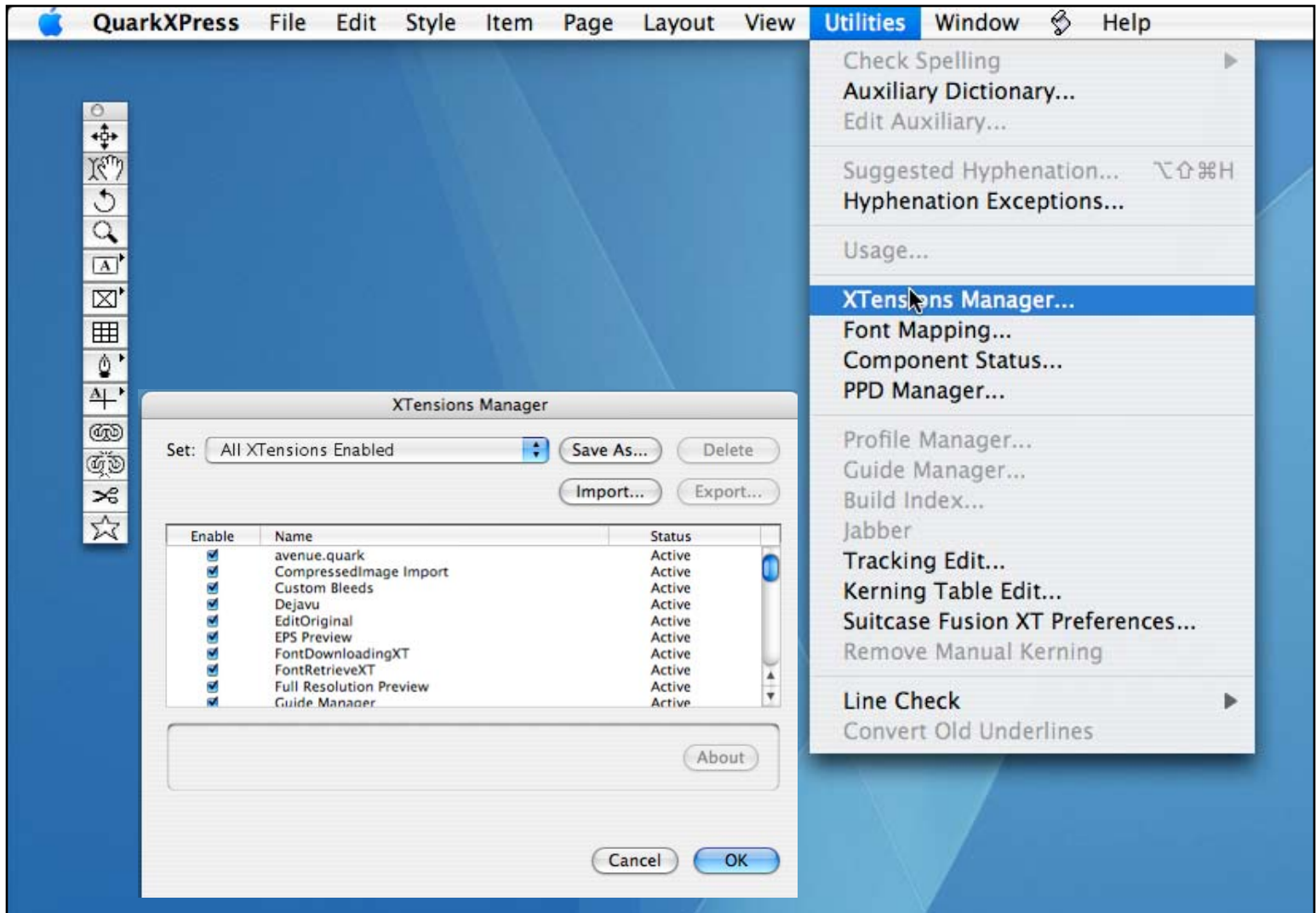
Using the Layton Print Style for Mac & PC:

To simplify the proper output, we suggest you download the Layton PDF Print Style (Layton PDFx1a) from our website at <http://www.laytonprinting.com/pubdownloads.html> and click on **PDF/X-1a Print Style for QuarkXpress 5 & 6**.

Once the file is downloaded, open QuarkXPress 6 (or greater).

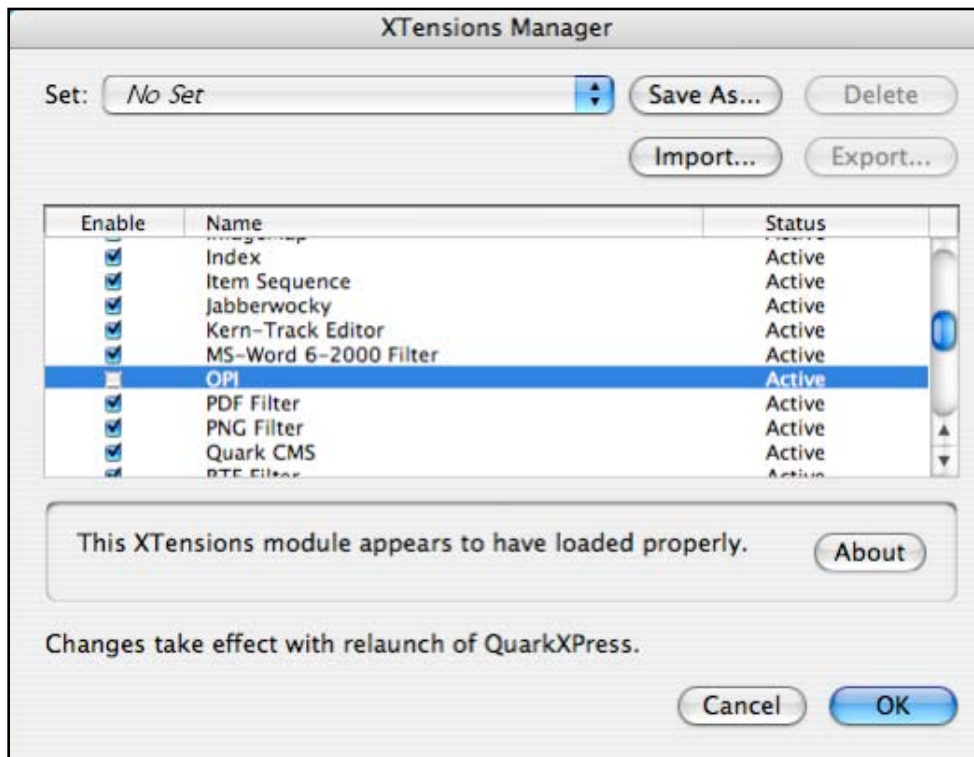
Preparing QuarkXpress to Create PDF/X:

Once the application is open, click on Utilities, then scroll down to *XTensions Manager* to open the XTensions Managers Window. (Most of these screen shots were done on a Mac, but they are very similar on a PC).



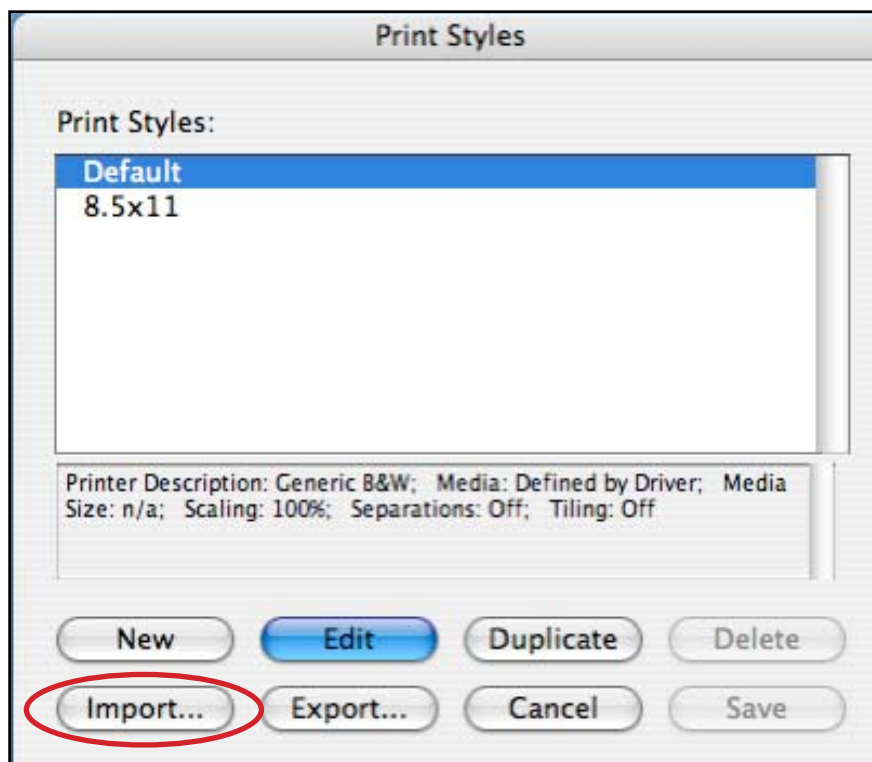
Once the window is open, scroll down and uncheck the box named *OPI*. Click *OK* then quit Quark and restart the application again. This ensures that all the images in the Quark file will not be converted to low resolution.

Note: If OPI is needed in the file, please discuss this with Layton Printing's Prepress Department for instructions prior to sending final file.



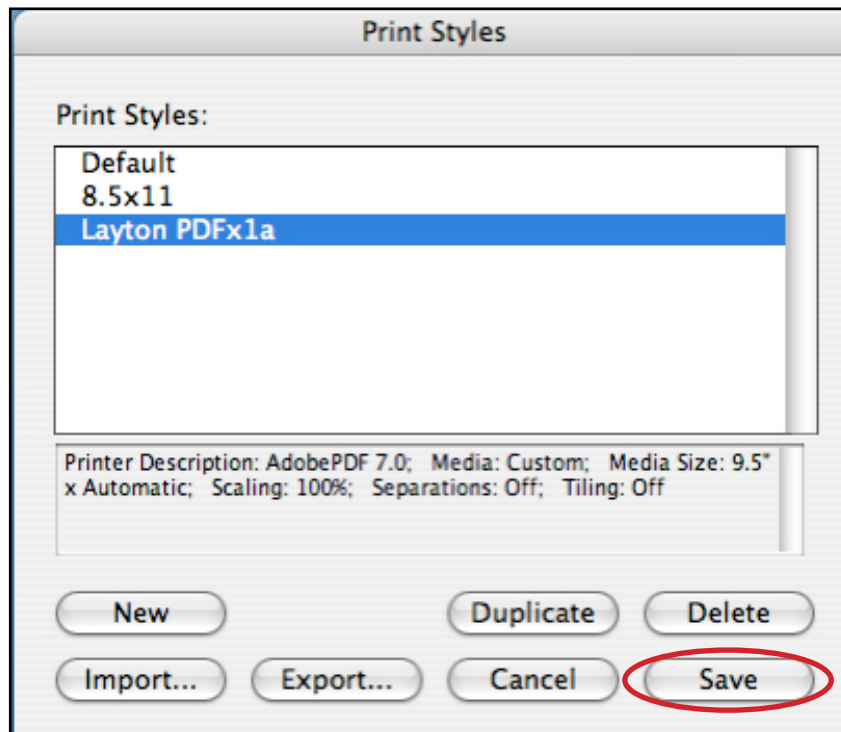
Setting Up QuarkXpress Print Styles for PDF/X:

In Quark, go to *Edit*, then *Print Styles*. A dialog box should open similar to the image below:

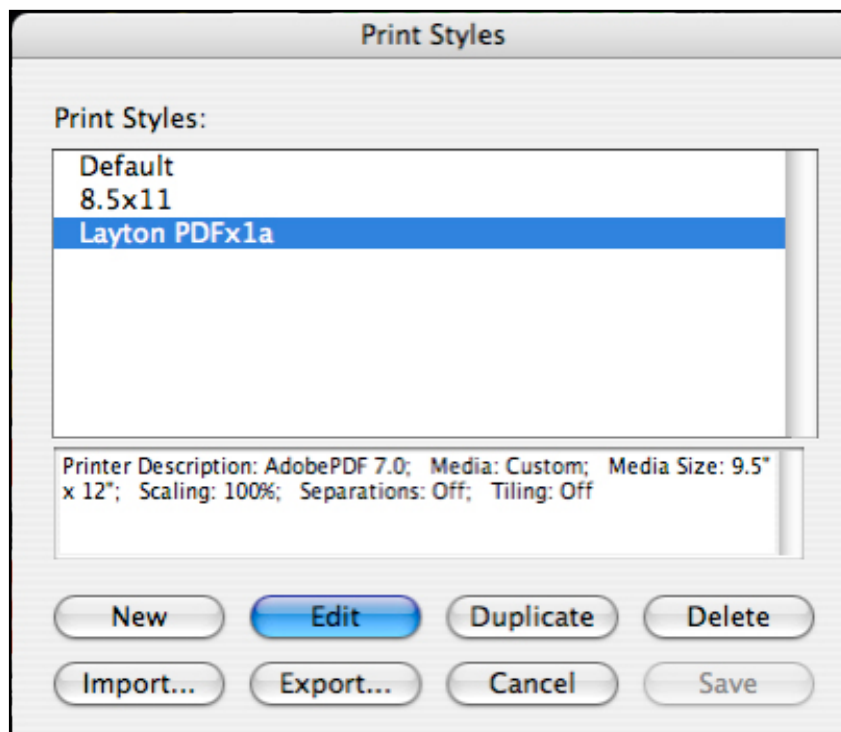


Choose *Import . . .* Navigate to the file *Layton PDFx1a* downloaded from Layton Printing's website and choose it.

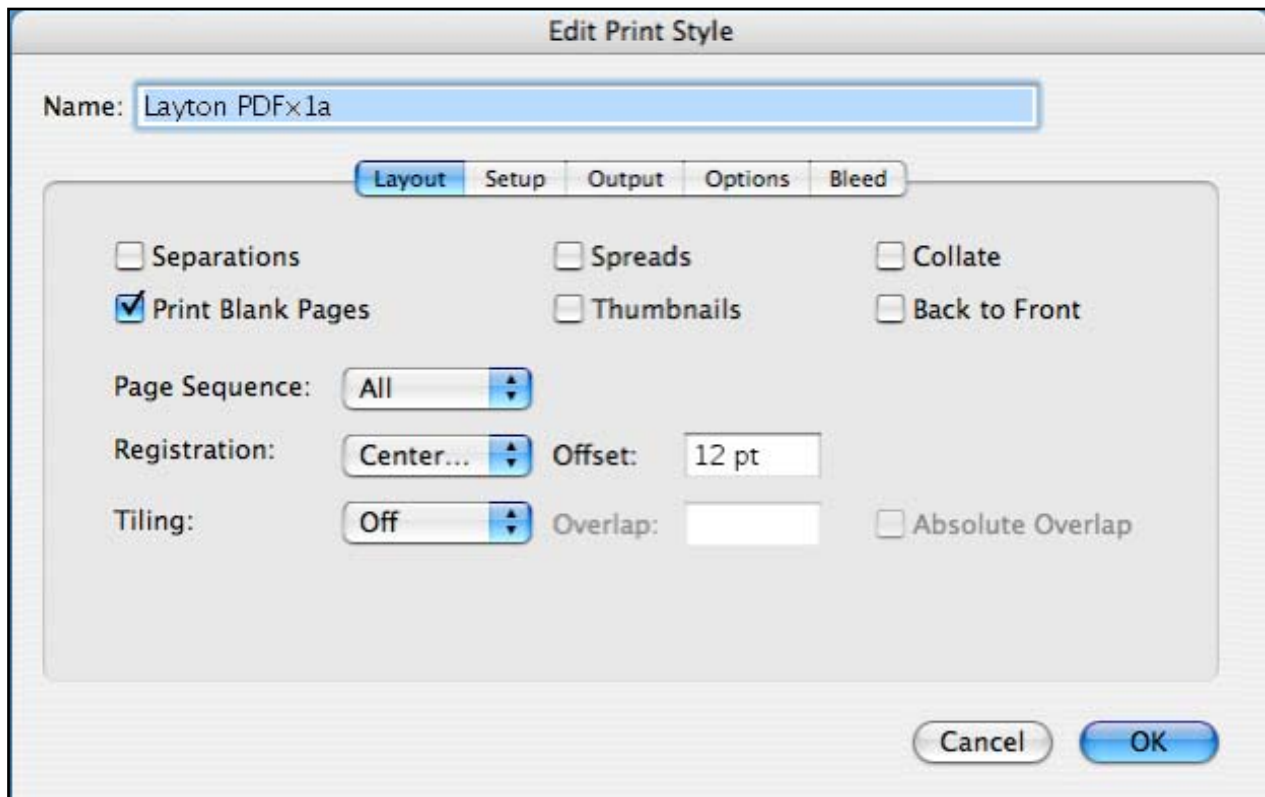
Now the *Layton PDFx-1a* Print Style is loaded into QuarkXpress' *Print Styles*. Click *Save*.



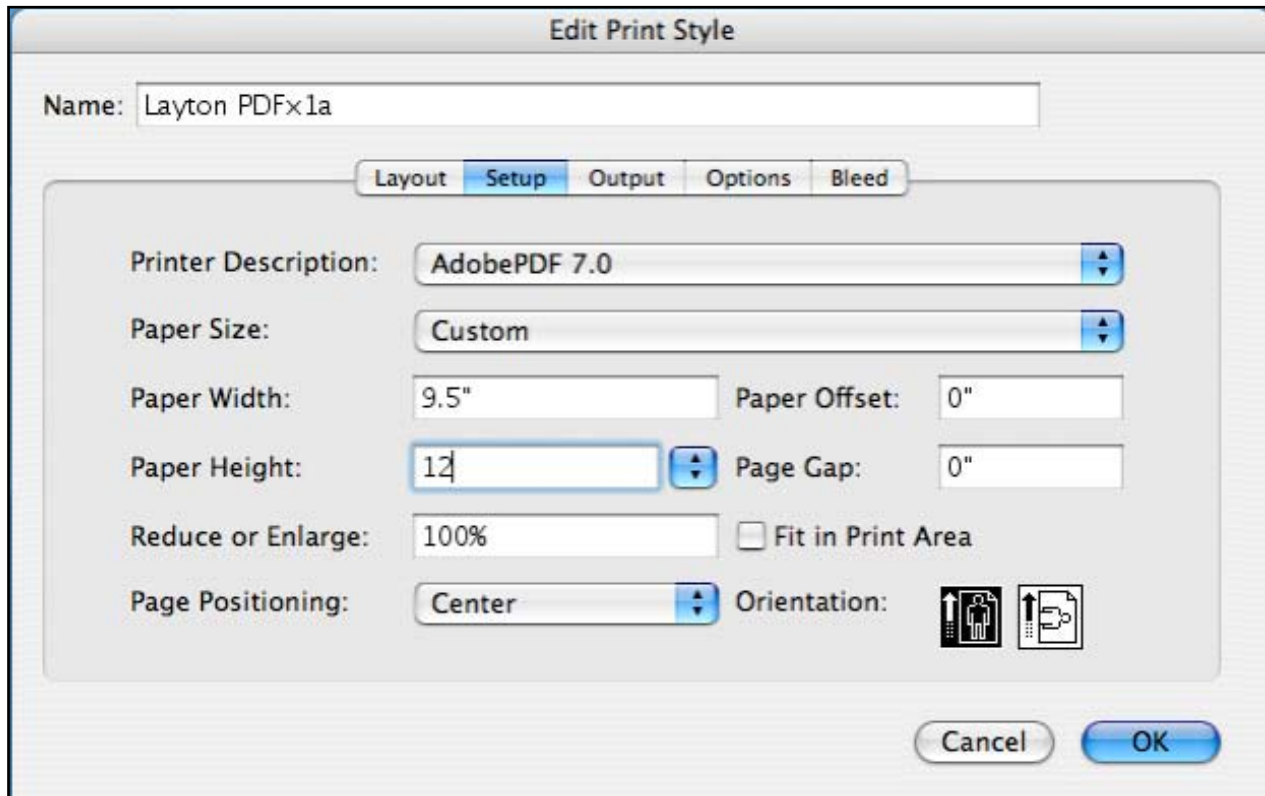
To verify the settings are loaded successfully, go to *Edit*, then *Print Styles*. Select *Layton PDFx1a* and click *Edit* in the *Print Styles* window.



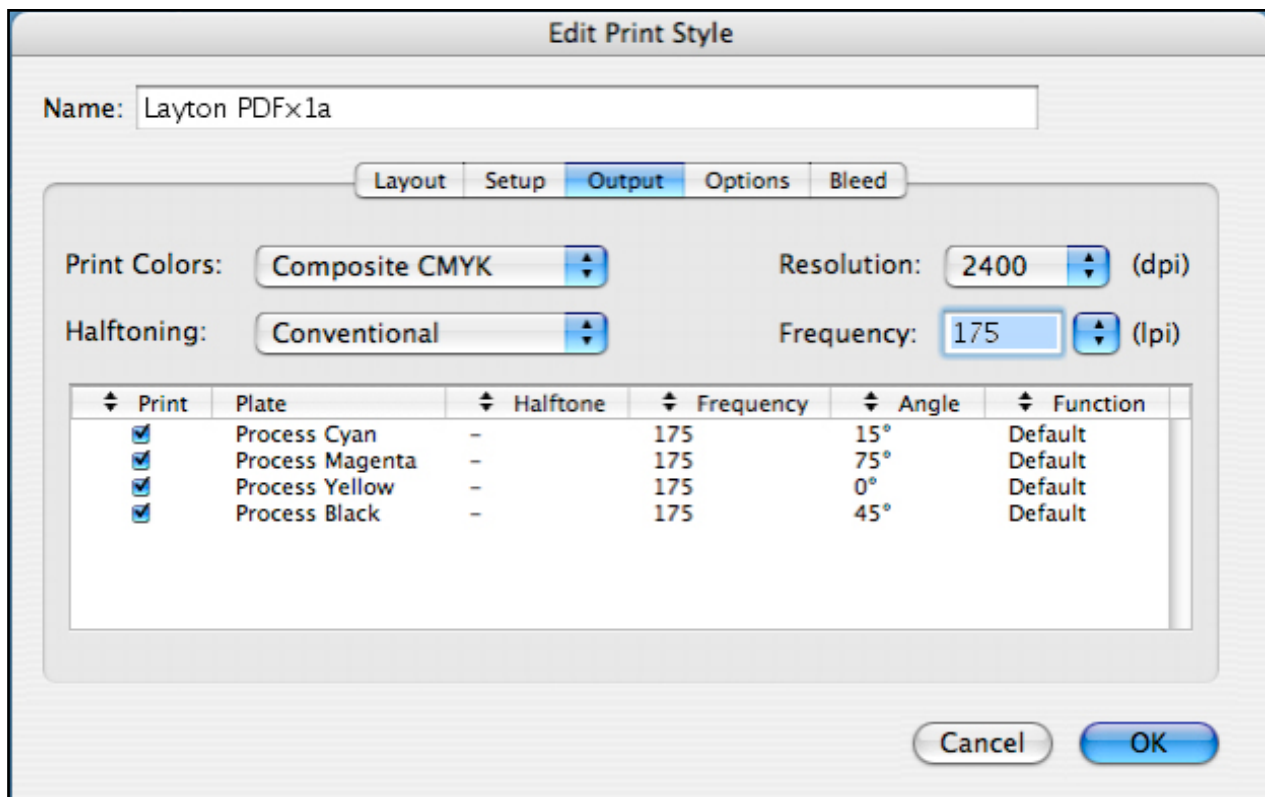
The next steps will verify the settings placed on the *Layton PDFx1a* print style. If settings do not match in the next steps, manually enter the settings. Also, the settings were set for an 8.5" x 11" document which can be customized to fit any document size you are working or will be working on.



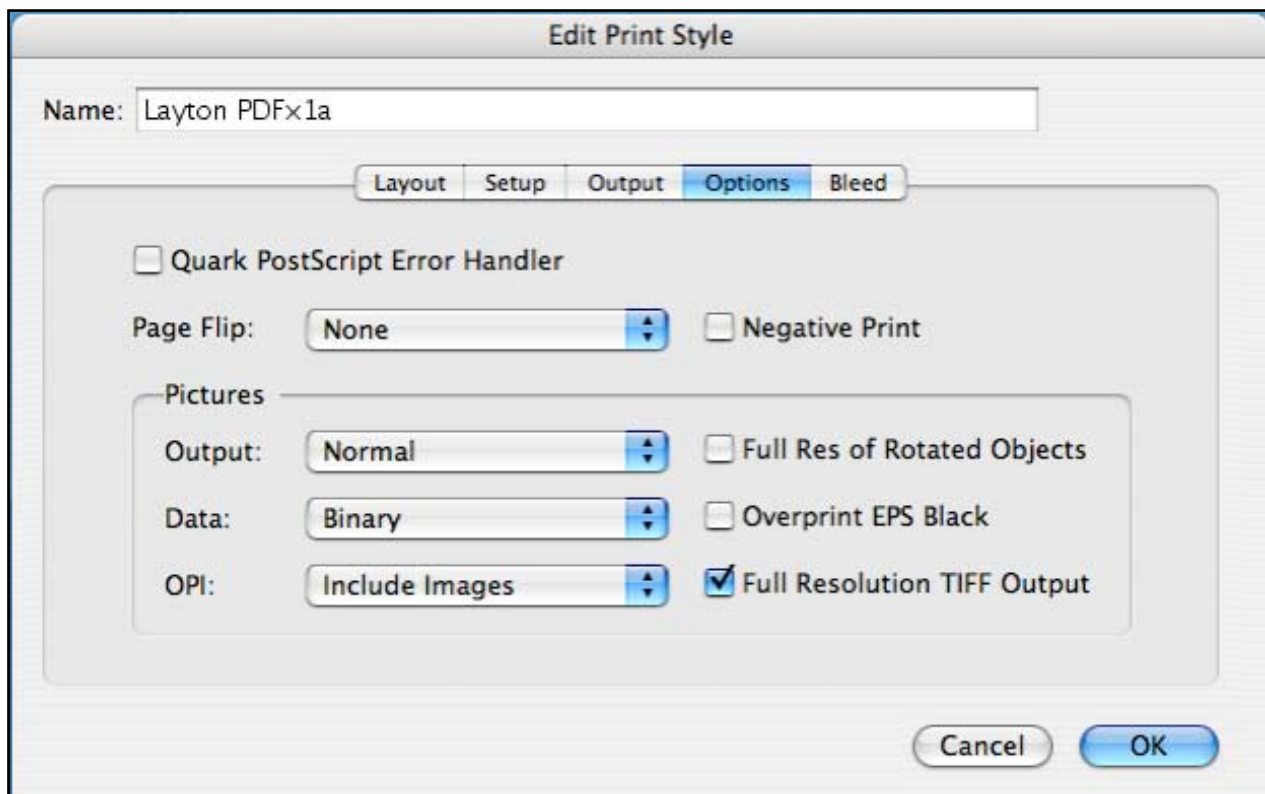
Layout Tab: *Print Blank Pages* is checked. *Registration* is set to Centered and for Offset type in 12 pt.



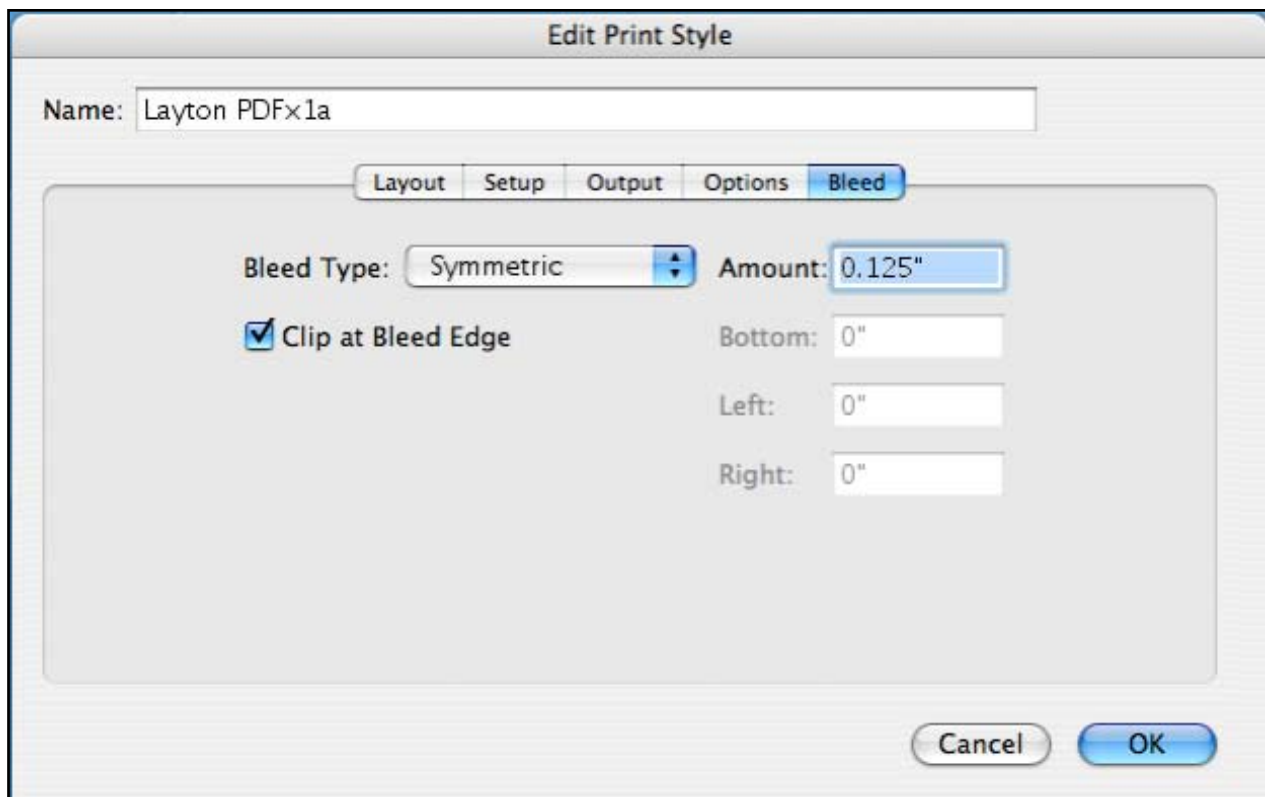
Setup Tab: *Printer Description* should be set to AdobePDF 7.0 or 8.0. The paper width and height should always be 1" larger than its final trim size. So if the final trim is 8.5" x 11" then the *Paper Width* should be 9.5" and 12" for the *Paper Height*. This is done to accommodate bleed in the document. *Reduce and Enlarge* is set to 100% and *Page Positioning* is set to Center.



Output Tab: The setting above is for 4 Color Process. If spot color is involved in the project please contact Layton Printing's Prepress Department. *Print Colors* is set to Composite CMYK. *Halftoning* is set to Conventional. *Resolution* is set to 2400 dpi and *Frequency* should automatically set to 175 lpi.



Options Tab should be set as shown above. Make sure that *Full Resolution TIFF Output* is checked. This ensures that the images within the Quark file are set to embed correctly without losing quality. *Note that if a low resolution image (72 dpi) is placed in a Quark file at a 100% or enlarged from its original size, this setting will not add resolution to the image, rather will keep the original settings or an interpretation of the image's current resolution.*

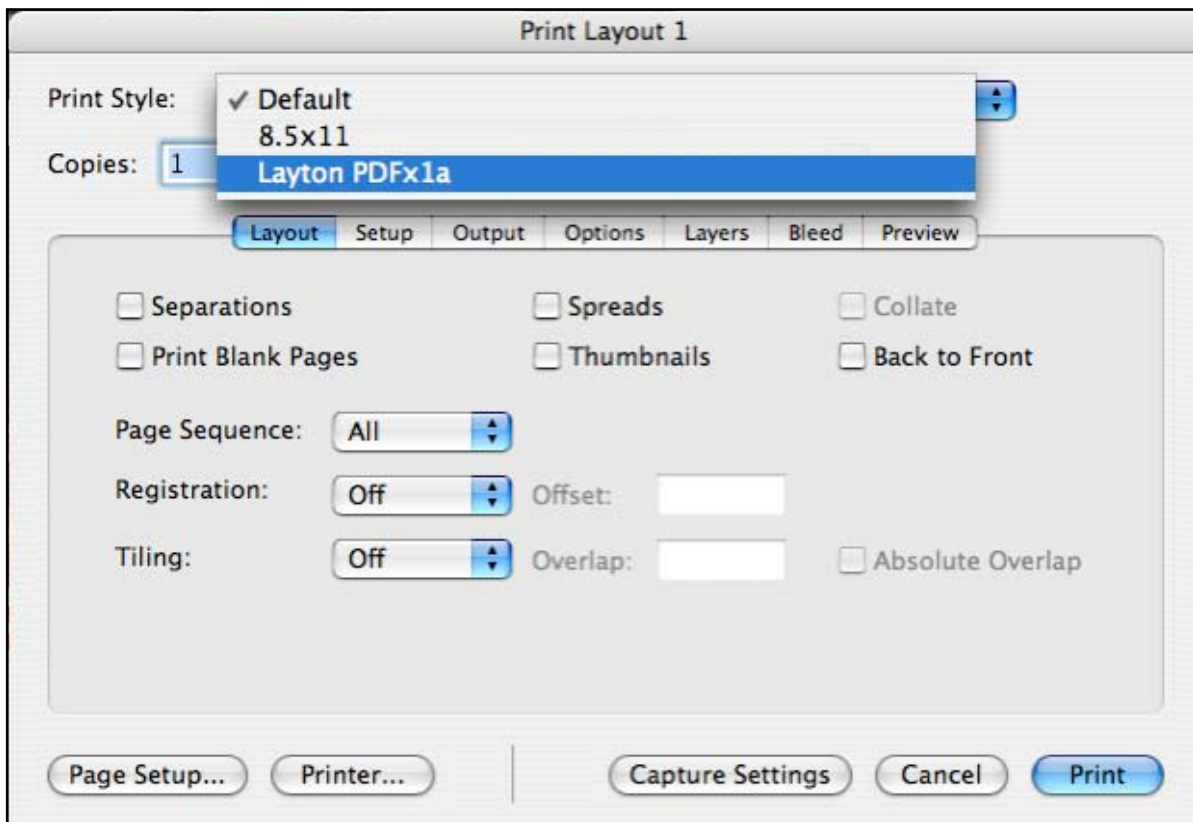


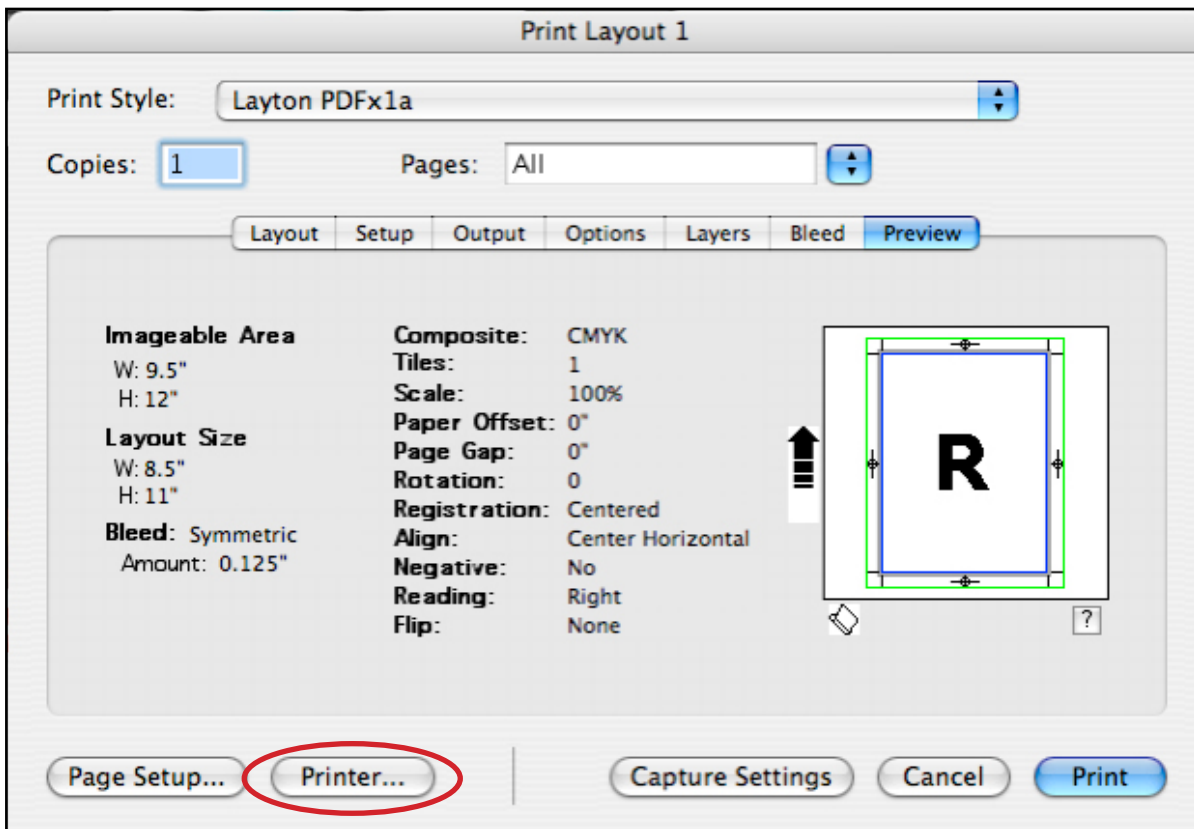
Bleed Tab: Set *Bleed Type* to *Symmetric* with an 1/8" or .125" and check the box *Clip at Bleed Edge*. Click OK and Save the settings. Now QuarkXpress is ready to create a PDF/X file.

Creating a PDF/X File Document on a Mac:

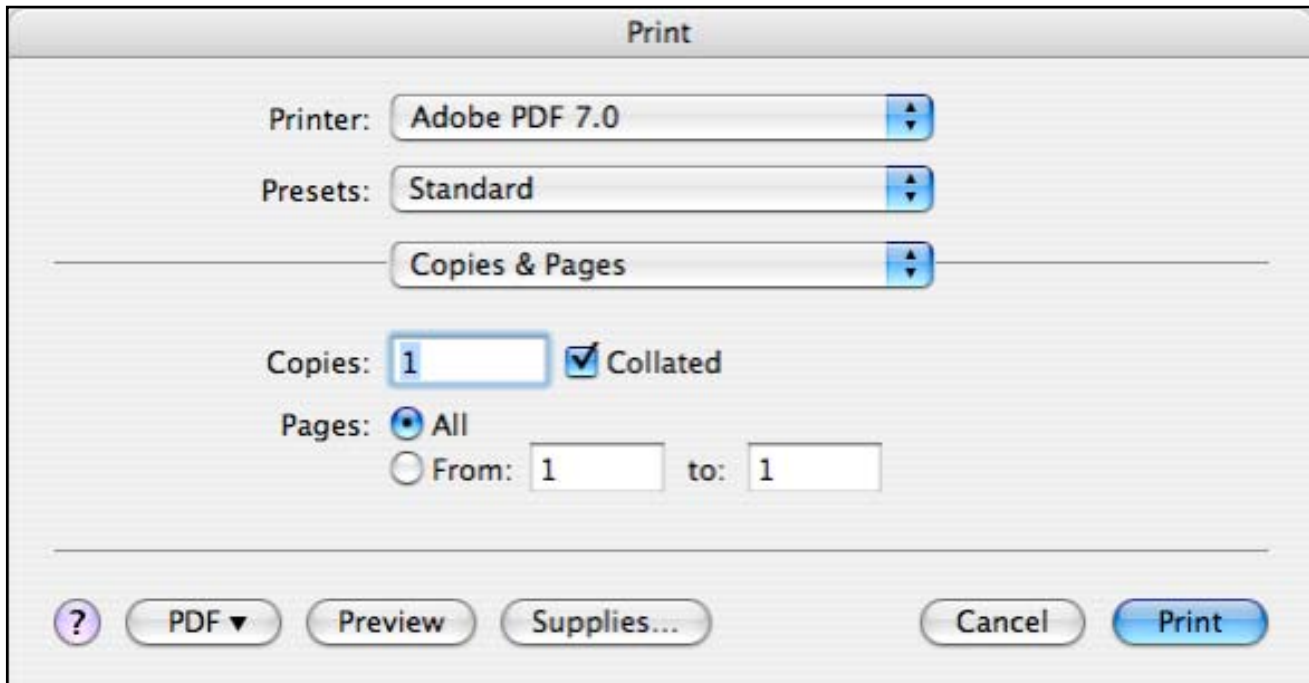
Prior to creating the final PDF/X file in Quark, double check all the images in the file click OK in the Status column under Usage.

Click *File*, then *Print*. Under **Print Style** drop down menu, select *Layton PDFx1a*. This will apply the settings made previously.

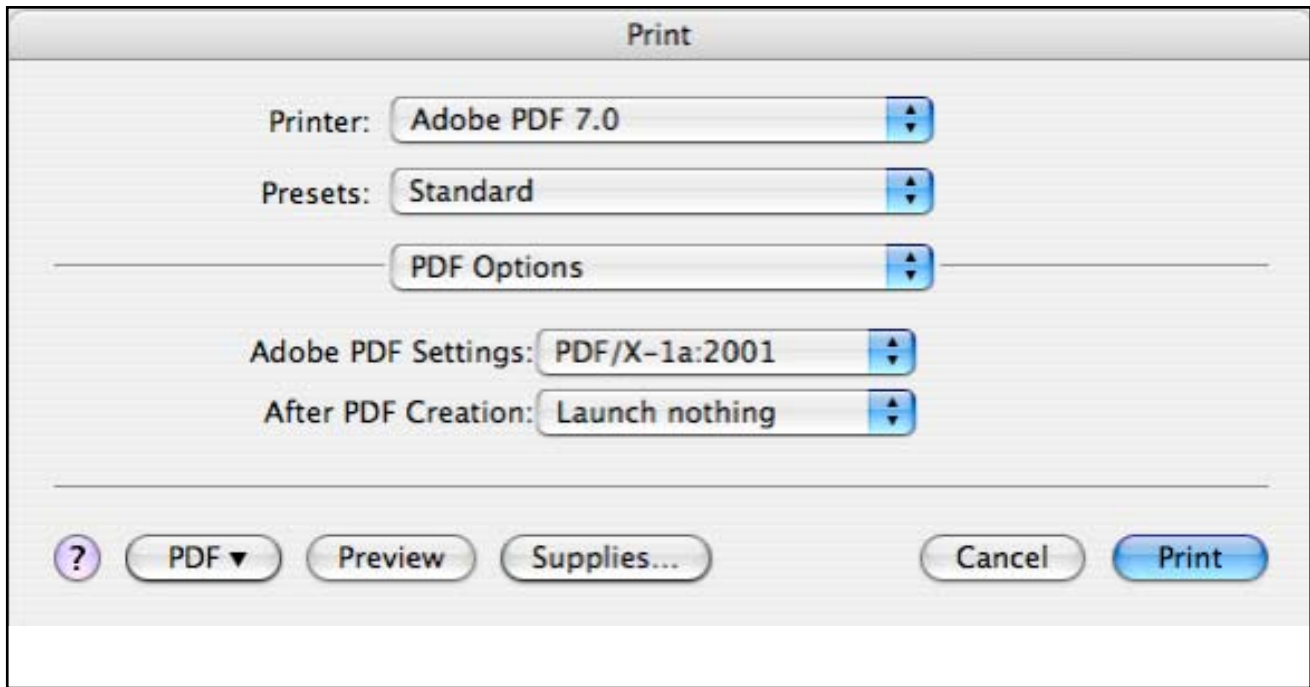




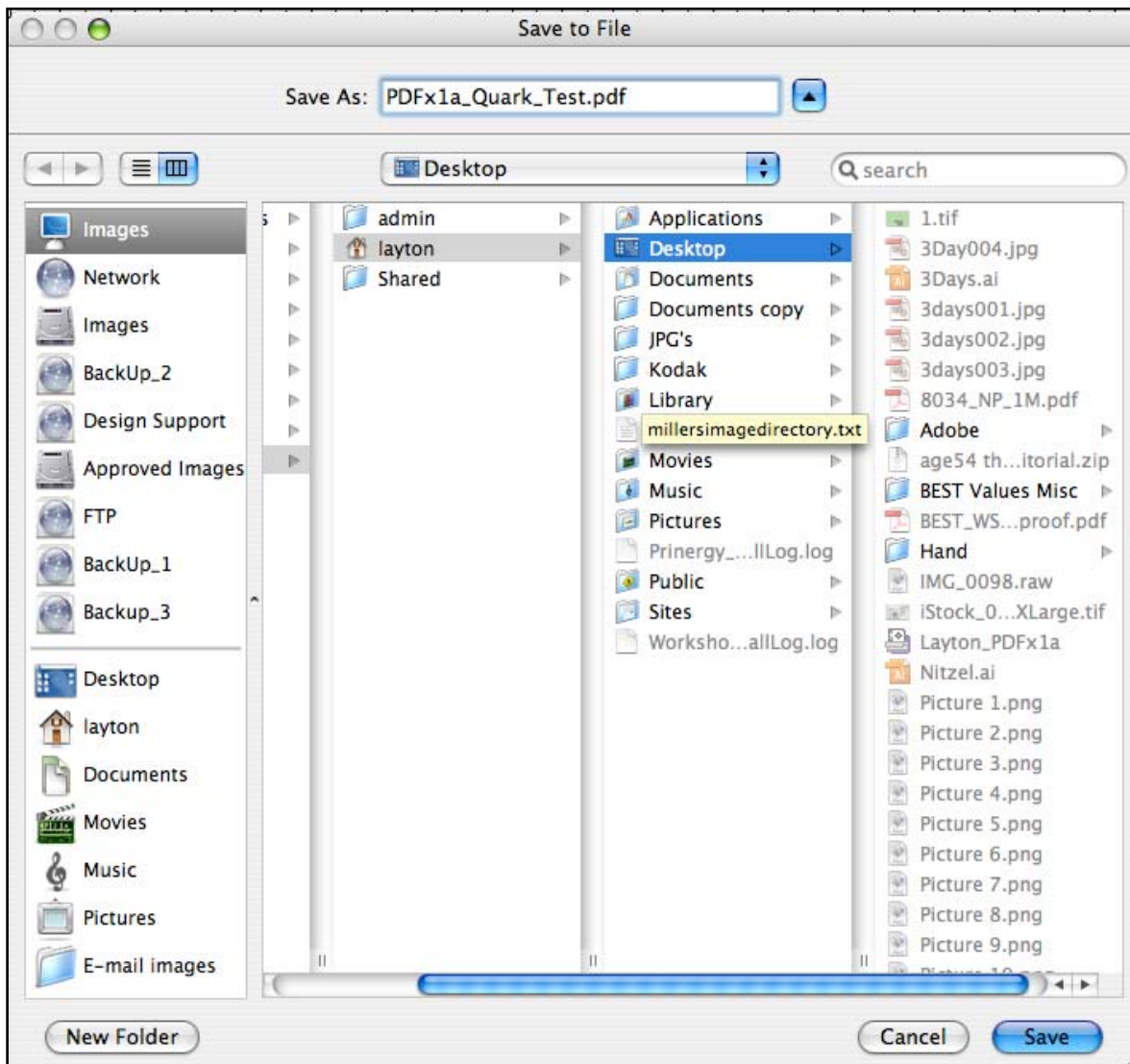
Verify that none of the settings changed. The final tab on the print dialog is *Preview*. This will show that the page is properly set up and that the crop marks and bleed will show. Double check that the *Imageable Area* is **1" larger** than the *Layout Size*. Once this has been verified click on the *Printer* button.



On **Printer** drop down menu select either *Adobe PDF 7.0* or *8.0*. This assures that you have installed Adobe Acrobat Professional and that the Acrobat Printer has been installed and activated. Then click on the *Copies & Pages* drop down menu and select *PDF Options*.



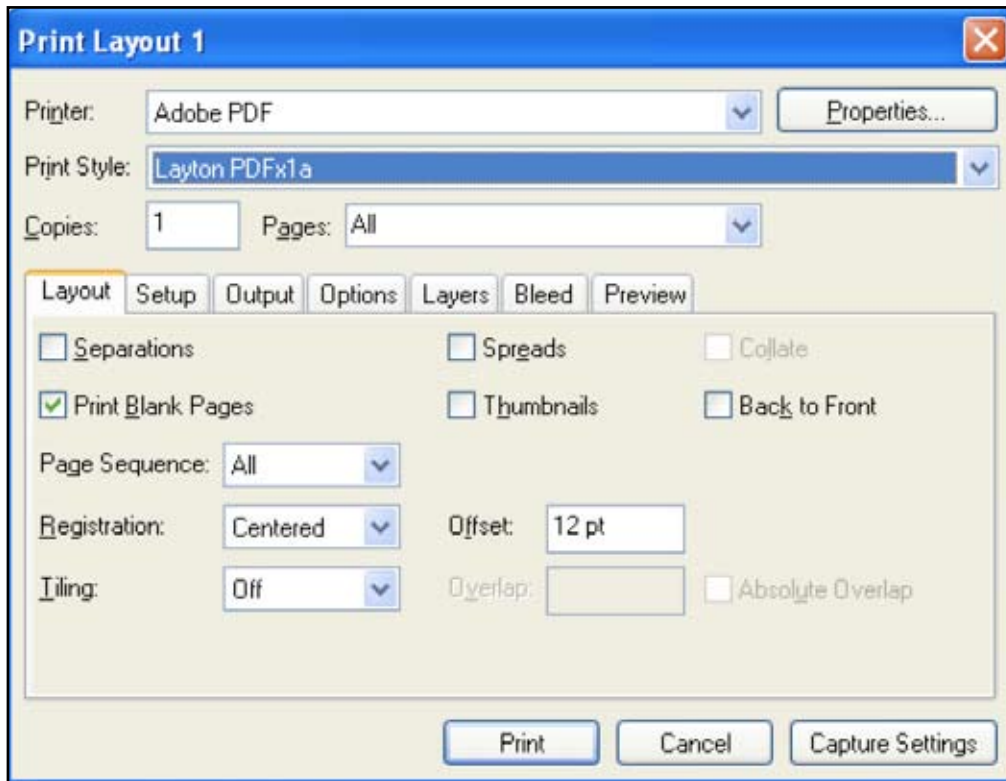
On **Adobe PDF Settings** drop down menu, select *PDF/X-1a:2001* and on the **After PDF Creation**, select *Launch Nothing* or *Acrobat*. Click *Print* and a *Save As* dialogue box will open. Create the name for the PDF file and click *Save*, then click *Print*.



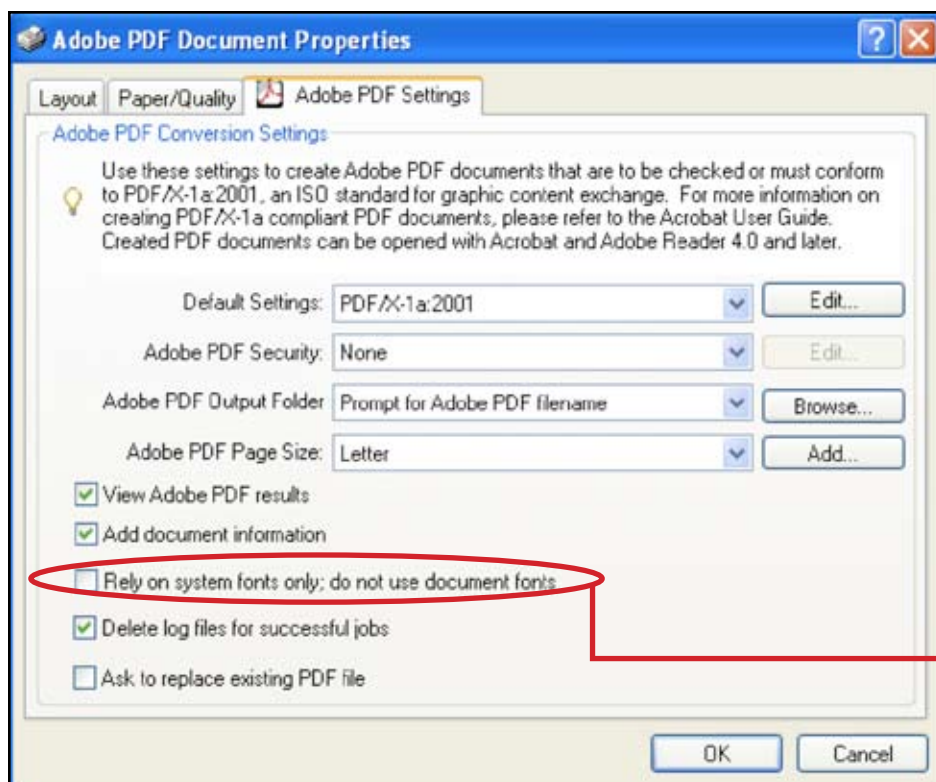
Creating a PDF/X File Document on a PC:

Prior to creating the final PDF/X file in Quark, double check all the images in the file. Click OK in the Status column under Usage.

Click *File*, then *Print*. Make sure to select *Adobe PDF* on the **Printer** drop down menu. Under **Print Style** select *Layton PDFx1a*. This will apply the settings made previously.



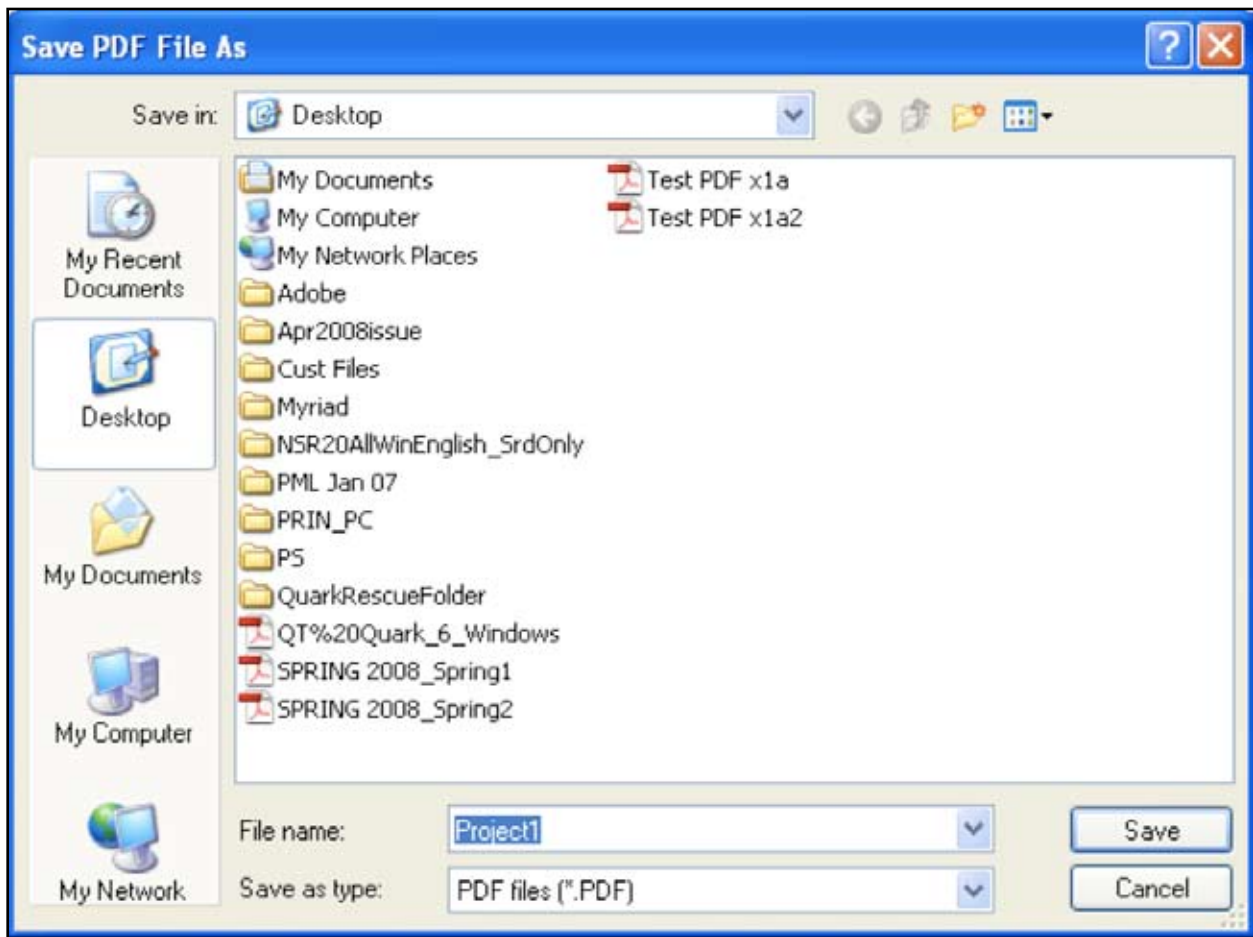
Verify that none of the settings changed. The final tab on the print dialog is *Preview*. This will show that the page is properly set up and that the crop marks and bleed will show. Double check that the *Imageable Area* is **1" larger** than the *Layout Size*. Once this has been verified, click on the *Properties* button.



Settings are as follows:

- **Default Settings** - *PDF/X-1a:2001*.
 - **Adobe PDF Security** - *None*.
 - **AdobePDF Output Folder** - *Prompt for Adobe PDF filename*.
 - **Adobe PDF Page Size** - *Leave the settings to Letter even if your page size is not letter. This will not affect your PDF/X file.*
 - **View Adobe PDF** - *checked*.
 - **Add document information** - *checked*.
 - **Delete log files for successful jobs** - *checked*.
- The rest unchecked.**

Make sure that **Rely on system fonts only; do not use document fonts** is *unchecked*. By unchecking this you are making sure that the fonts embed in the PDF/X document.



Click *OK*, then click *Print* and a **Save PDF File As** dialogue box will appear. Create the name for the PDF file and click *Save*. Please read any warnings. If you have any questions, please call Layton Printing's Prepress Department, and we will help resolve any warnings.



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