

AutoCAD Drawing Viewer

by SkySof Software Inc.

Download: <http://www.getfilez.com/dwgview.exe>

1. Introduction

AutoCAD Drawing Viewer is a lightweight powerful utility for viewing, editing, printing, converting and saving AutoCAD drawing files. Features include: Print drawings, create PDF & JPG files from drawing files in batches, convert drawings to different file formats in batches, view and open drawings, view/edit block attribute values, view/edit text values, view/edit layer information, find and replace block attribute values and find and replace text. AutoCAD Drawing Viewer does not require AutoCAD to run and is compatible with all AutoCAD drawing versions. AutoCAD Drawing Viewer requires Microsoft Data Access Components (MDAC) for some operations to function properly. This software is free and available for download from the internet at

<http://msdn.microsoft.com/en-us/data/aa937730>

After installing MDAC you must unload AutoCAD Drawing Viewer then reload.

AutoCAD Drawing Viewer is limited in its ability to modify multiple drawing files in batches. However, we have a **FREE tool named Ultra AutoCAD Tool (a \$250 value) which allows you to easily update multiple drawings by simply clicking a few buttons!** Features of Ultra AutoCAD Tool include: extract data from drawing files (CSV,XML,HTML) and import to a database or Excel workbook, create DXFs from DWGs, find and replace text, find and replace block attribute values, find and delete text objects, find and delete block attribute objects, find and delete block objects, set layer status (on/off/thawed/frozen), save drawings as older or newer version, find and replace image paths, find and replace external reference paths, etc. Download it now from our web site at <http://www.getfilez.com/acadtool.exe>

2. Other FREE AutoCAD Software

a) DWG to PDF Creator

DWG to PDF Creator is a lightweight powerful utility for viewing and printing AutoCAD drawing files and creating high quality PDF files from AutoCAD DWG/DXF/DWF files. Although our product, AutoCAD Drawing Viewer, can also produce PDF files from AutoCAD drawing files in the one folder, **this product will also convert files located in sub-folders if needed.** DWG to PDF Creator product does not require AutoCAD to run and is compatible with all AutoCAD drawing versions. Get it now at <http://www.getfilez.com/dwgtopdf.exe>

b) Block Attribute Modifier

With Block Attribute Modifier (BAM) you can easily automate the process of modifying block attribute values in AutoCAD drawing files. Use BAM to delete attributes, clear attribute values, replace attribute values, and find and replace attribute values. BAM runs in quiet mode from the command prompt very quickly and can process thousands of drawing files with the click of only one button! BAM is compatible with AutoCAD drawing versions 2000 and above. Download it now from <http://www.getfilez.com/bam.exe>

c) AutoCAD Text Modifier

With AutoCAD Text Modifier (ATM) you can easily automate the process of modifying text values in AutoCAD drawing files. Use ATM to delete text objects, clear text values, replace text values, and find and replace text values. ATM runs in quiet mode from the command prompt very quickly and can process

thousands of drawing files with the click of only one button! ATM is compatible with AutoCAD drawing versions 2000 and above. Download it now from <http://www.getfilez.com/atm.exe>

d) Xtracta

If you are looking for a FREE tool for extracting block attributes from AutoCAD drawing files and exporting the results to MS Excel, MS Access and text files download our product Xtracta at <http://www.getfilez.com/attext.exe> Xtracta allows you to extract block attribute values from AutoCAD drawing files at lightning speed! You simply specify what attribute tags you want to extract in a text file and the program does the rest! With Xtracta it is possible to extract from many drawing files at a time! After extracting the data you have the option of importing the data to a text file, the Clipboard, MS Excel, MS Access or MS Word. Xtracta works with AutoCAD drawing files release 2000 and greater.

3. FREE PDF Software

a) PDF Builder

If you are looking for a FREE tool for creating PDF files from different file types download our product PDF Builder at <http://www.getfilez.com/pdfb.exe> With PDF Builder you can easily create PDF files from many different file types including text files, XLS, XLSX, DOC, DOCX, PPT, PPTX, PPS, PPSX, JPG, GIF, BMP, TIF, MDB, VSD, VSDX, etc. Combine files of different types all into a single PDF file simply by clicking a button! PDF Builder stores all the project information in an MS Access Database so the PDF files can be created on the fly any time! After the PDF has been built the system can be configured to automatically open the PDF, copy the PDF, upload the PDF to a web server, set the open password in the PDF, add a page header with date/time and page numbers and print the PDF on a specific printer.

b) PDF Bookmarks

If you are looking for a FREE tool for automatically creating bookmarks in PDF files please try our product PDF Bookmarks at <http://www.getfilez.com/pdfbm.exe> PDF Bookmarks is a powerful utility program for creating/editing/deleting bookmarks in PDF files with ease. Features include: edit bookmark names, edit bookmark colors, edit bookmark style, edit bookmark action, create bookmarks from an outline, create bookmarks based on text font sizes, create bookmarks from text and Excel files, remove bookmarks, copy bookmarks from one PDF to other PDFs, insert bookmarks, write bookmarks to a text file, batch processing, create and execute scripts. Adobe Acrobat is not required.

c) Ultra PDF Tool

If you are looking for a FREE tool for managing and editing batches of PDF files simply by clicking a few buttons please try our product Ultra PDF Tool at <http://www.getfilez.com/updf.exe> Ultra PDF Tool is a powerful utility program for creating/editing/manipulating many PDF files with ease. Features include: drawing barcodes, populating form fields from a database, creating PDF files from many file types, combining PDF files, attaching files to PDFs, printing PDFs, setting meta data, setting passwords, extracting text, saving PDF pages as images, rotating pages, deleting pages, appending pages, moving pages, adding blank pages, adding page numbers, etc.

4. FREE Miscellaneous Software

a) EZ Thumbs

EZ Thumbs is a powerful program that allows you to easily build an online photo album complete with thumbnail images! This can be done in 3 easy steps: 1) Copy image files from your digital camera to your computer's hard drive 2) Run EZ Thumbs and select the folder where the image files are located 3) Click a button to create the web page with thumbnail images that link to the larger image file. Get this great time saving application now at <http://www.getfilez.com/ez.exe>

b) Ultra Downloader

With Ultra-Downloader you can easily download many files from a web page! Have you ever tried downloading several image files from a web page by right-clicking on the image to call up the popup menu then selecting the option to save the file? This can get very tiresome in no time! Let Ultra-Downloader greatly simplify the process by allowing you quickly select the files you are interested in and click the Download Button. You will be amazed at how much time Ultra-Downloader can save you! Download it now from <http://www.getfilez.com/ultrad.exe>

c) ZipNow

Automatically zip and unzip files by simply clicking a button with ZipNow! Create zip script files which can be run over and over again. ZipNow is a great utility for anyone who has a need to store their files in the popular ZIP format easily and efficiently. With ZipNow you can also email zip files to multiple people with the click of a button! If you use WinZip you will love ZipNow! Download it now from <http://www.getfilez.com/zipnow.exe>

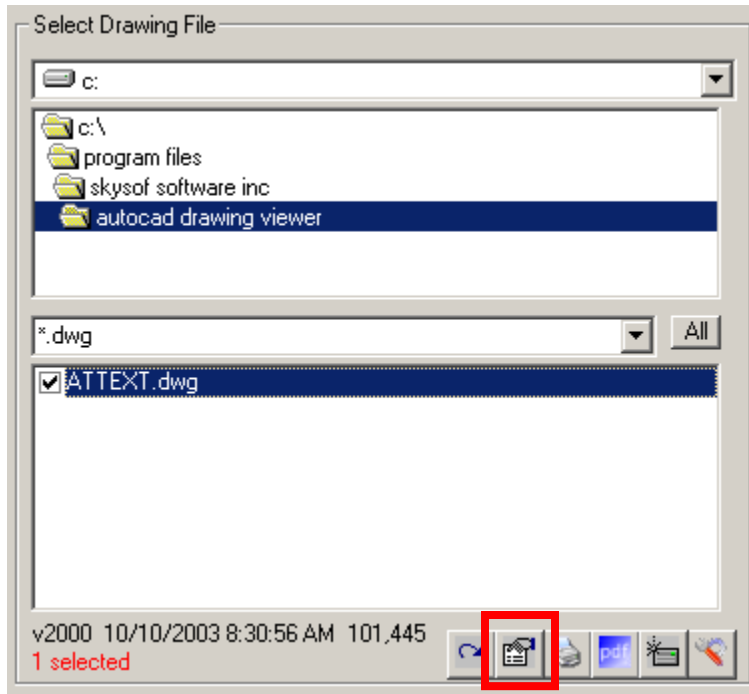
d) MDB Repair Tool

MDB Repair Tool is an easy-to-use, powerful MS Access Utility for quickly fixing corrupt databases, comparing database structures, and recreating lost or corrupted indexes and queries. Download it now from <http://www.getfilez.com/mdbrt.zip>

We have many other FREE products available for download at <http://www.skysof.com> including ActiveX and .NET components for software developers.

5. Creating PDF files from DWG/DXF/DWF files

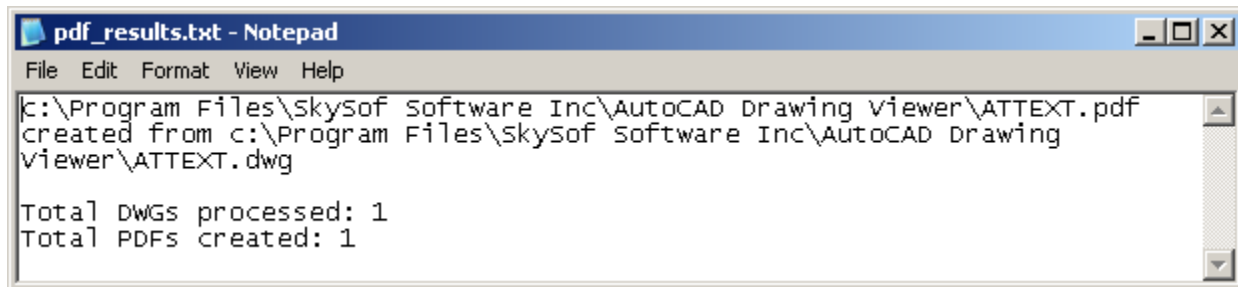
With AutoCAD Drawing Viewer you can create batches of high quality PDF files without having Adobe Acrobat installed! Go to folder C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer and click the button highlighted below by a red square to select file ATTEXT.DWG. A check will appear to the left of ATTEXT.DWG.



Now click the button indicated below to create the PDF file.



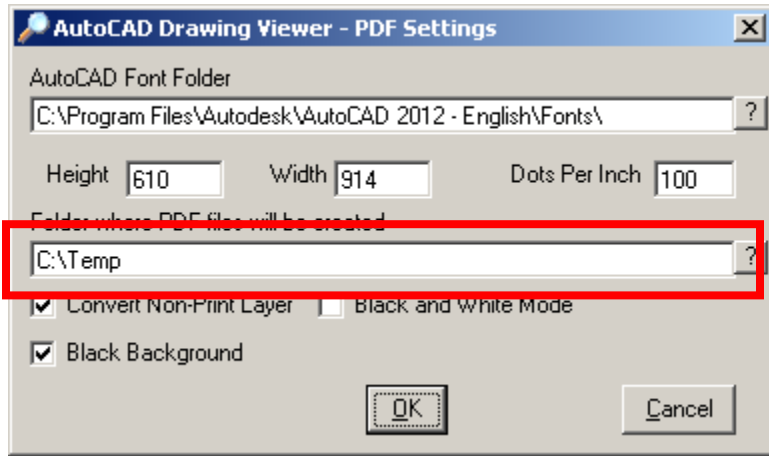
If the PDF file was created successfully Notepad will open with the following message:



This example creates only one PDF file but you could have just as easily created a PDF file for each AutoCAD drawing file within a folder. By default the PDF file is created in the same folder as the AutoCAD drawing file. If you want to change the default folder click this button:

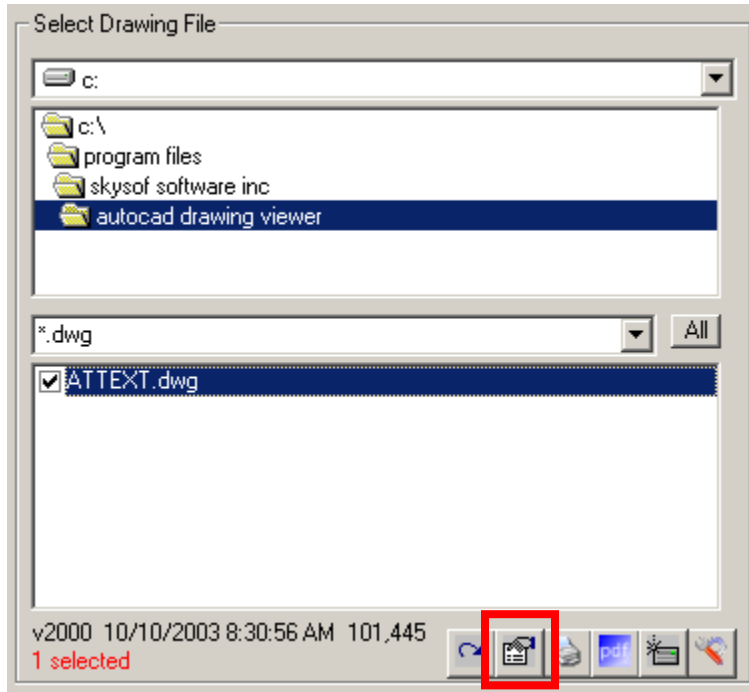


Enter the name of the new default folder here and click the OK button to save your changes.



6. Creating image files from DWG/DXF/DWF files

With AutoCAD Drawing Viewer you can create batches of high quality JPG image files! Go to folder C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer and click the button highlighted below by a red square to select file ATTEXT.DWG. A check will appear to the left of ATTEXT.DWG.



Now click the button indicated below to create JPG files from the selected drawing file.



If the JPG files were created successfully Notepad will open with the following message:

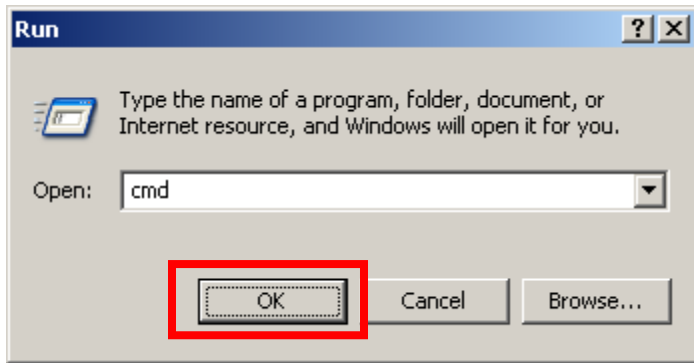
```
image_results.txt - Notepad
File Edit Format View Help
c:\program files\skysof software inc\autocad drawing viewer\ATTEXT_1.jpg
created from c:\program files\skysof software inc\autocad drawing
viewer\ATTEXT.dwg
c:\program files\skysof software inc\autocad drawing viewer\ATTEXT_2.jpg
created from c:\program files\skysof software inc\autocad drawing
viewer\ATTEXT.dwg

Total DWGs processed: 1
Total image files created: 2
```

Note that some drawing files contain multiple layouts. One JPG file is created for each layout.

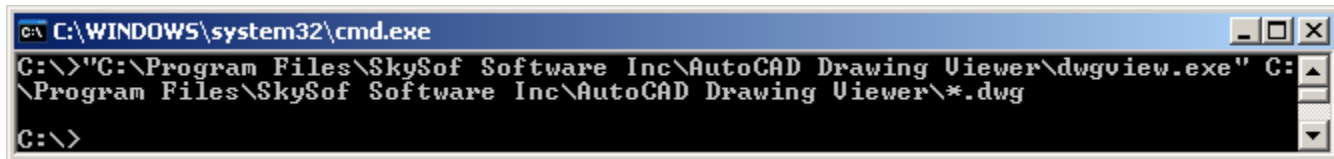
7. Creating PDF & Image files from DWG/DXF/DWF files in Command Prompt Mode Silently

- 1) Click the Window's Start button then select Run...
- 2) Type cmd and click the OK button to enter Command Prompt mode



- 3) At the Command Prompt type the following:

```
"C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\dwgview.exe" C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\*.dwg
```



- 4) Check folder C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer to verify that PDF files were created.

Note:

The file PDF_RESULTS.TXT will be created in the same folder as the PDFs but since the application was run in silent mode the file will not be opened in Notepad. *.dwg = all drawing files. You can use wildcard characters * and ?. Some examples: a*.dwf, s???.dwg, de*.dwg

Alternatively, you can also run from the Window's Run... menu item

- 1) Click the Window's Start button then select Run...
- 2) Type the following:

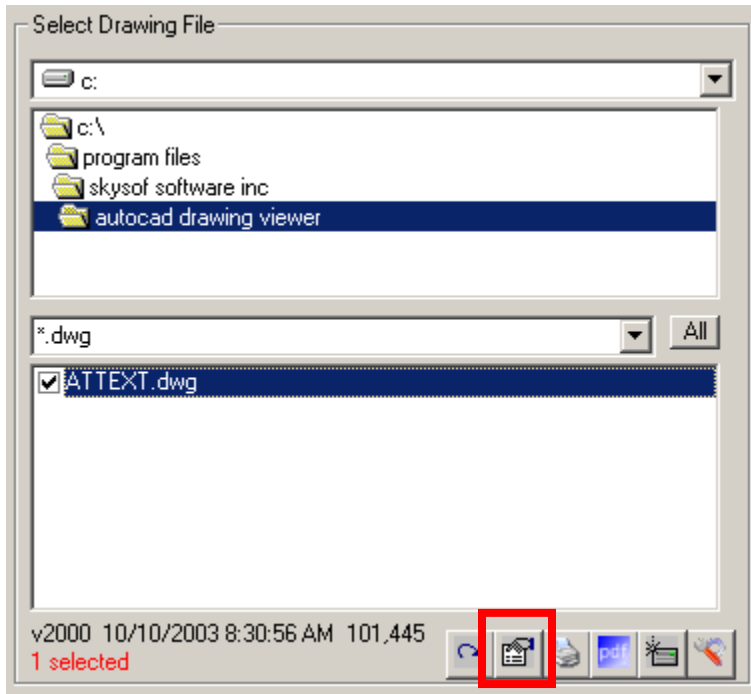
```
"C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\dwgview.exe" C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\*.dwg
```

To create image files (JPG) from the Command Prompt use the /img switch:

```
"C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\dwgview.exe" C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\*.dwg /img
```

8. Converting DWG/DXF/DWF files to Different File Formats

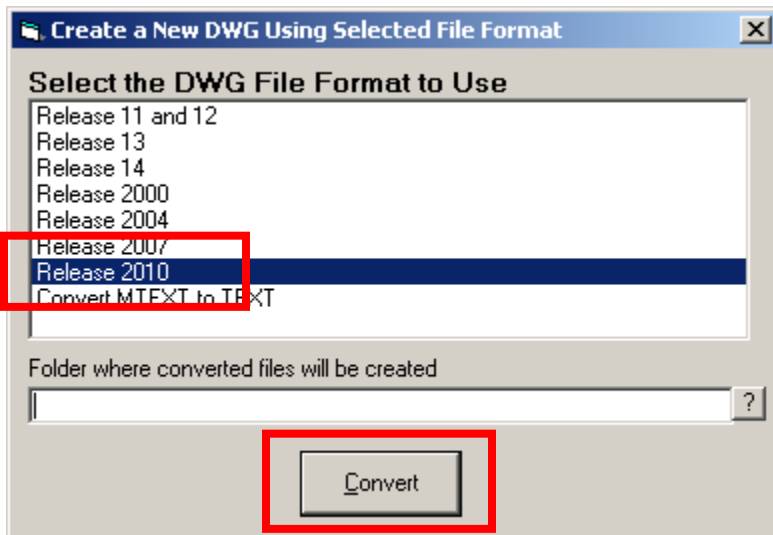
With AutoCAD Drawing Viewer you can create batches of high quality PDF files without having Adobe Acrobat installed! Go to folder C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer and click the button highlighted below by a red square to select file ATTEXT.DWG. A check will appear to the left of ATTEXT.DWG.



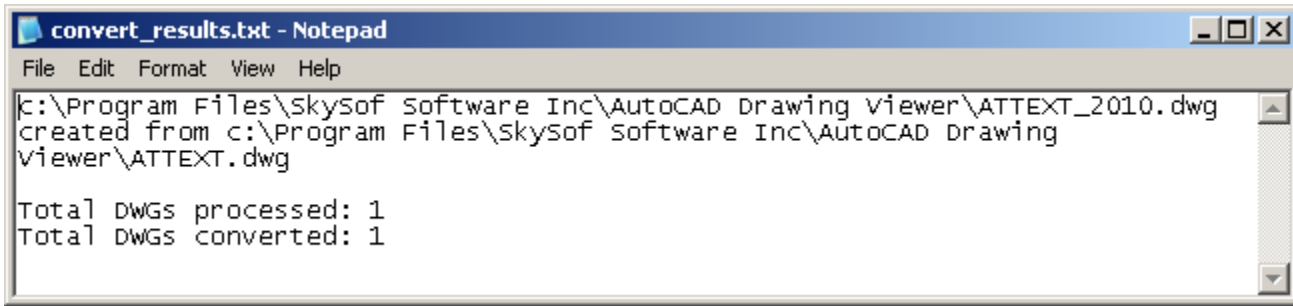
Now click the button indicated below to convert the selected AutoCAD drawing file.



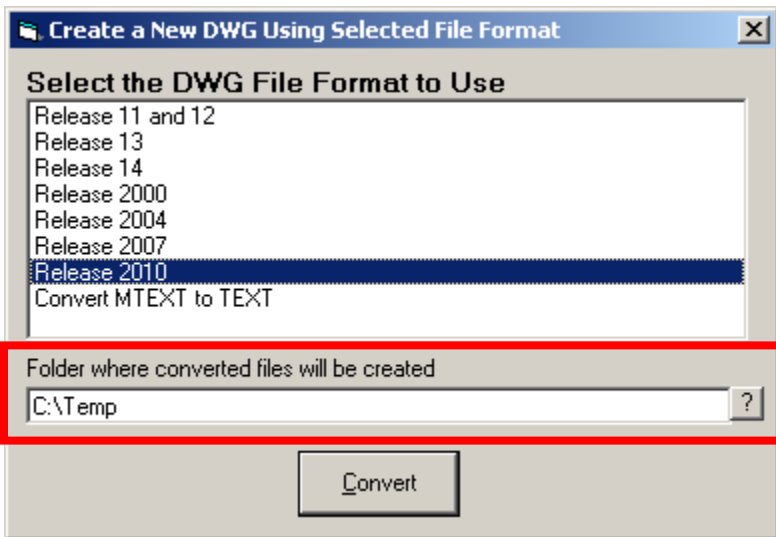
The following screen will appear. Select your desired file format and click the Convert button to create a new file.



If the file was converted successfully Notepad will open with this message:

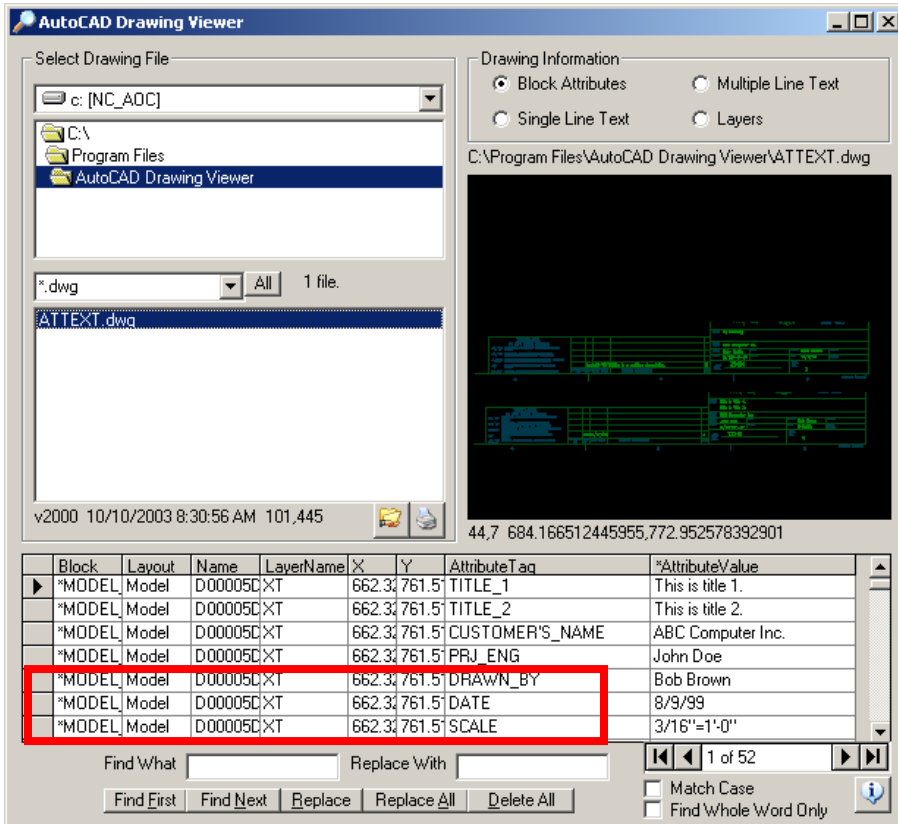


This example converts only one AutoCAD drawing file but you could have just as easily converted each AutoCAD drawing file within a folder. By default the converted file is created in the same folder as the AutoCAD drawing file. If you want to change the default folder enter a new folder here:

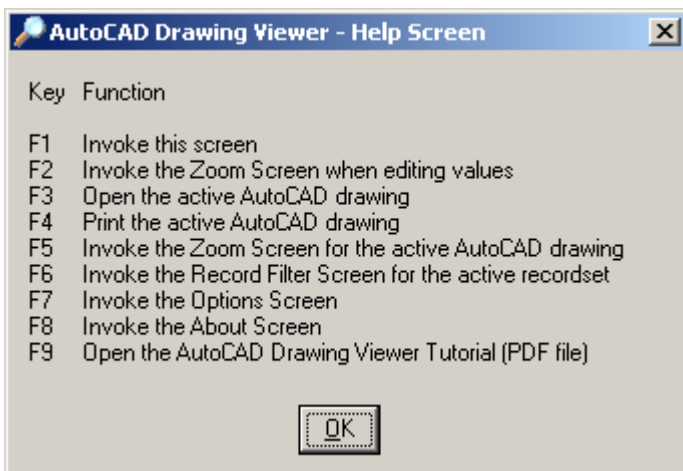


9. Updating block attribute values in an AutoCAD drawing file (AutoCAD DWG v2009 and earlier)

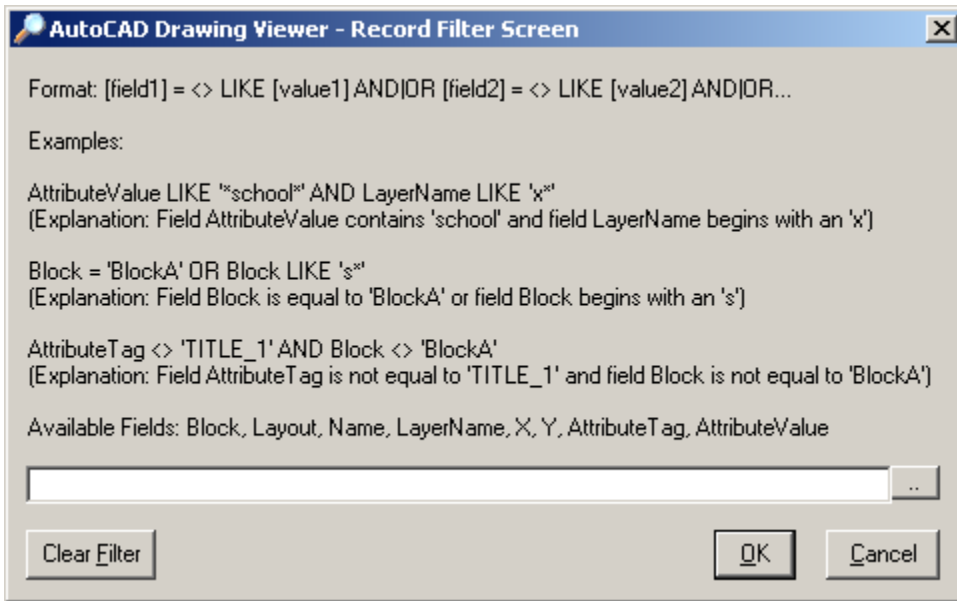
Select drawing file C:\Program Files\SkySof Software Inc\AutoCAD Drawing Viewer\ATTEXT.DWG. The drawing will display in the window pane on the right and the data grid will fill with drawing data. Enclosed in the red rectangle is information about the drawing: version, date/time created, and file size in bytes. To the right of this is a button to open the drawing with your designated application for AutoCAD drawing files and a button for printing the drawing.



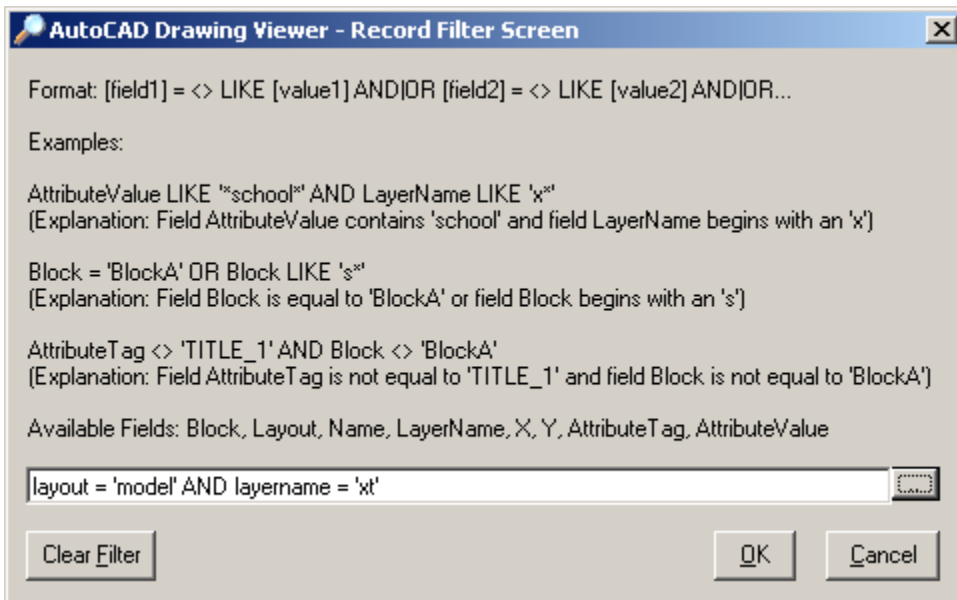
Press the F1 key to display the help screen. This screen displays features of the application and the function keys associated with them. One very useful key is F6 which will open the drawing in full screen mode allowing you to see the drawings data more clearly. Right-clicking anywhere on the drawing calls up a popup menu which displays menu items for zooming the drawing.



Close the Help Screen by clicking the OK button and press the F6 key to call the Record Filter Screen. You will set a filter on the drawing data to “drill down” to locate specific data.



To locate records with a layout of 'Model' and a layer name of 'XT' type in the following filter: **layout = 'model'** **AND layername = 'xt'** Note that field names and values are not case sensitive.



Press the OK button to set the filter. You should see this screen. Press the OK button.



The main screen should now contain only those records which matched the filter criteria. Note that before there were 52 records, now there are only 13.

Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
*MODEL	Model	D00005C	XT	662.3	761.5	TITLE_1	This is title 1.
*MODEL	Model	D00005C	XT	662.3	761.5	TITLE_2	This is title 2.
*MODEL	Model	D00005C	XT	662.3	761.5	CUSTOMER'S_NAME	ABC Computer Inc.
*MODEL	Model	D00005C	XT	662.3	761.5	PRJ_ENG	John Doe
*MODEL	Model	D00005C	XT	662.3	761.5	DRAWN_BY	Bob Brown
*MODEL	Model	D00005C	XT	662.3	761.5	DATE	8/9/99
*MODEL	Model	D00005C	XT	662.3	761.5	SCALE	3/16"=1'-0"

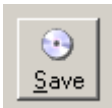
Find What: Replace With: 1 of 13

Scroll to record 13 and you'll see "Smith" in field AttributeValue. The asterisk (*) in the field name indicates that the values in this field can be edited.

Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
*MODEL	Model	D00005C	XT	662.3	761.5	SCALE	3/16"=1'-0"
*MODEL	Model	D00005C	XT	662.3	761.5	JOB_NO.	12345
*MODEL	Model	D00005C	XT	662.3	761.5	DWG_NO	1
*MODEL	Model	D00005C	XT	662.3	761.5	RL	A
*MODEL	Model	D00005C	XT	662.3	761.5	REV_DATE	8/17/99
*MODEL	Model	D00005C	XT	662.3	761.5	REV_DES	
*MODEL	Model	D00005C	XT	662.3	761.5	RB	Smith

Find What: Replace With: 13 of 13

Type in **Dan Jones** to replace Smith. Click the Save button on the lower left corner of the screen to save your change.



To ensure that the data was saved click on the drawing ATTEXT.DWG to reload the drawing data. To find Dan Jones type **Dan Jones** in the Find What text box and click the Find First button.

Find What: R

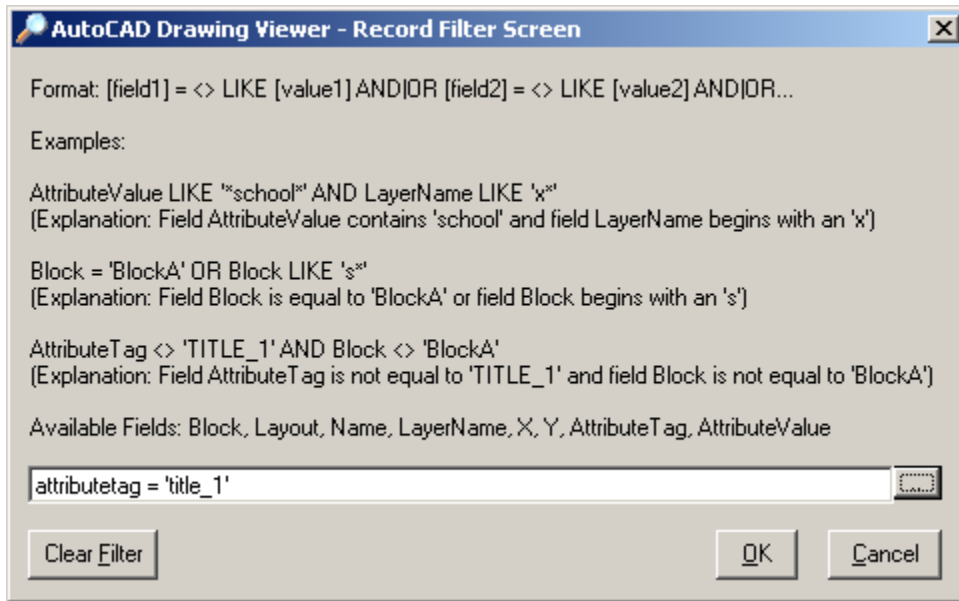
Find First Find Next Replace

The record pointer should now be at record thirteen and Dan Jones should be in the AttributeValue field. The data was indeed saved.

Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
*MODEL	Model	D00005C	XT	662.3	761.5	SCALE	3/16"=1'-0"
*MODEL	Model	D00005C	XT	662.3	761.5	JOB_NO.	12345
*MODEL	Model	D00005C	XT	662.3	761.5	DWG_NO	1
*MODEL	Model	D00005C	XT	662.3	761.5	RL	A
*MODEL	Model	D00005C	XT	662.3	761.5	REV_DATE	8/17/99
*MODEL	Model	D00005C	XT	662.3	761.5	REV_DES	
*MODEL	Model	D00005C	XT	662.3	761.5	RB	Dan Jones

Find What: Replace With: 13 of 52

Now you will set each attribute value of “TITLE_1” to “Hello World!”. To do this we need to set another filter. Press the F6 key to open the Record Filter Screen and type in **attributetag = 'title_1'** and press the OK button.



You should see this screen. Press the OK button.

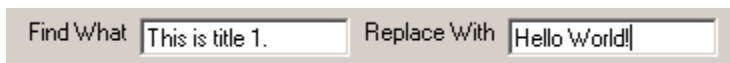


In the data grid you should now see only 4 records. Note that the value of AttributeTag field is TITLE_1.

	Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
▶	*MODEL_	Model	D00005C	XT	662.3	761.5	TITLE_1	This is title 1.
	*MODEL_	Model	D00005C	0	662.4	764.3	TITLE_1	My drawing.
	*PAPER_	Layout1	D00005C	XU	0.000	0.000	TITLE_1	This is title 1.
	*PAPER_	Layout1	D00005C	0	0.071	4.956	TITLE_1	This is title 1.

Find What Replace With 1 of 4

At this point we could type in “Hello World!” three times for each value but it is much more efficient to perform a find and replace. To find all instances of “This is title 1.” and replace with “Hello World!” type **This is title 1.** in the Find What text box and type **Hello World!** in the Replace With text box.



Click the Replace All button to find and replace every occurrence. The field values should contain the new values.
Click the Save button to save your changes.

	Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
▶	*MODEL	Model	D00005C	X	662.34	761.51	TITLE_1	Hello World!
	*MODEL	Model	D00005C	0	662.44	764.31	TITLE_1	My drawing.
	*PAPER	Layout1	D00005C	X	0.0000	0.0000	TITLE_1	Hello World!
	*PAPER	Layout1	D00005C	0	0.0711	4.9566	TITLE_1	Hello World!

Besides finding and replacing all values by clicking the Replace All button you can also find and replace one value at a time Find Next and Replace buttons.

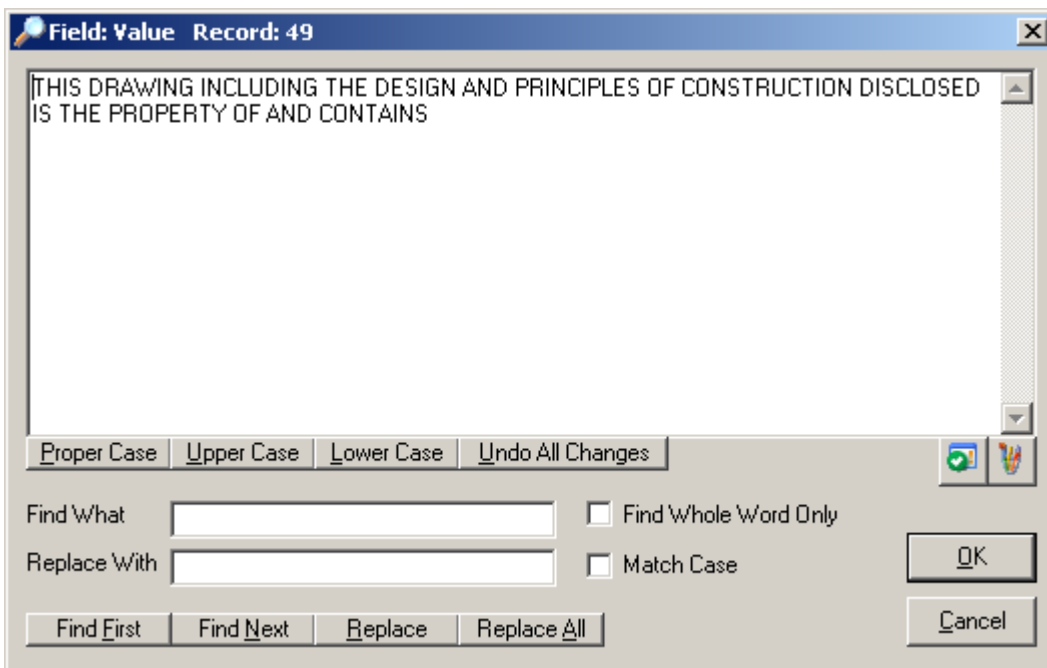
10. Updating single line text values in an AutoCAD drawing file

Select radio button “Single Line Text” from the Drawing Information group box. You should see single line text information in the data grid.

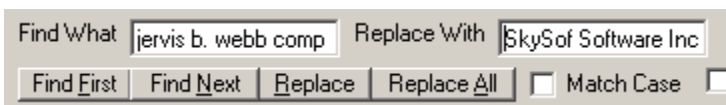
Block	Layout	*Value	X	Y
*PAPER_	Layout1	EM	23.95652	1.063181
*PAPER_	Layout1	8/19/99	24.28509	1.063181
*PAPER_	Layout1	REV. PER GANTRY LOCATION, RELOCATE DRIVE & TAKE-UP	24.98915	1.063181
*PAPER_	Layout1	B	28.83801	1.063181
*PAPER_	Layout1	REV. PER FIELD VISIT-(8-23-99)	24.98915	1.313178
*PAPER_	Layout1	8/25/99	24.28509	1.313178
*PAPER_	Layout1	EM	23.95652	1.313178

Find What: Replace With: 117

Because text in the Value field can sometimes be quite long there is a zoom window available which allows you to better view the text. Go to record 49, click in the Value field for this record, and press the F2 key to call the Zoom Screen.



Note that the Zoom Screen also allows finding and replacing text. You can also convert text to proper case, upper case, lower case, and undo all changes. There is also a button for spell checking (requires Word) and a button to change the text color. Go ahead and change some text then click the OK button to pop the data into the data grid. Click the Save button to save your changes. Now we will change the company name within the single line text for the drawing. To do this type **jervis b. webb company** in the Find What text box and type **SkySof Software Inc.** in the Replace With text box. Click the Replace All button to make the changes.



Go to records 50 and 52 to see the change. Click the Save button to save your changes.

	Block	Layout	Value	X	Y
	D00005C	Layout1	CHECKED	23.34238	0.653949
	D00005C	Layout1	BY	23.92238	0.531762
	D00005C	Layout1	MY DRAWING INCLUDING THE DESIGN AND PRINCIPLES OF CO	29.07088	4.185449
▶	D00005C	Layout1	PROPRIETARY MATERIAL OWNED BY SkySol Software Inc.. THIS	29.07088	4.077180
	D00005C	Layout1	PURPOSE AGREED UPON AND IS NOT TO BE REPRODUCED NO	29.07088	3.971003
	D00005C	Layout1	COMMUNICATED TO ANY THIRD PARTY, NOR USED IN ANY MA	29.07088	3.866758
	D00005C	Layout1	NOTICE	32.12905	4.291183

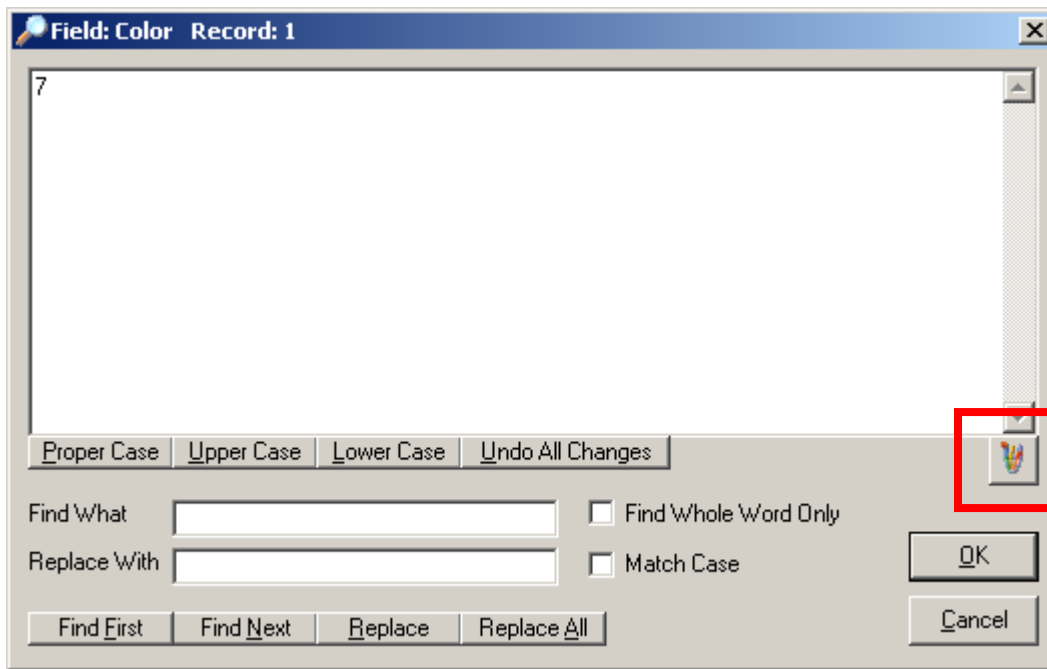
The drawing file ATTEXT.DWG provided does not contain any multiple line text objects therefore updating multiple line text is not covered in this tutorial. However, updating multiple line text is very similar to updating single line text.

11. Updating layer values in an AutoCAD drawing file

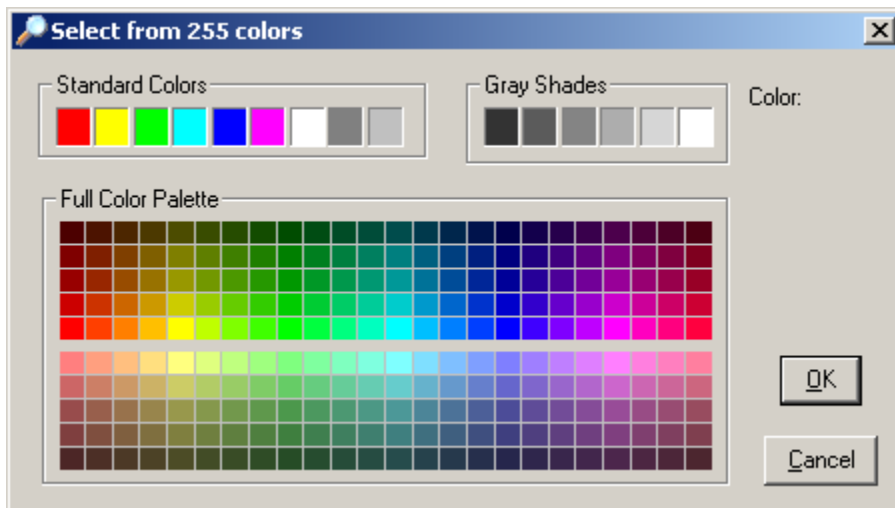
Select radio button “Layers” from the Drawing Information group box. You should see layer information in the data grid. Note fields Display and Color can be edited as indicated by the asterisk (*) in the field name.

Name	*Display	*Color
0	On	7
XF	On	106
CL	On	252
PL	On	32
SH	On	10
SL	On	211
SM	On	110

The value for Display must be either On or Off. The value for Color (which is the layer color) must be a number between 1 and 255. To set the color for layer 0 click in field Color and press the F2 key to call the Zoom Screen. Click the button indicated by the red rectangle to call the Color Screen.



From the Color Screen you can select one of 255 available colors. Click on the color of your choice and click the OK button to pop the value into the text box on the Zoom Screen.



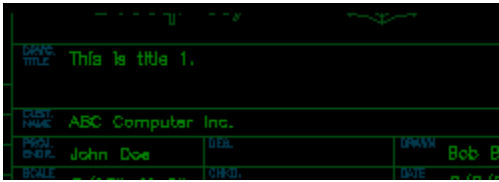
Click the OK button to close the Zoom Screen. You should see the new color number you selected in the data grid. Click the Save button to save your changes. Click drawing ATTEXT.DWG to reload the drawing. The layer color should now be whatever your selection was. With AutoCAD Drawing Viewer you can also change the color of single line text, multiple line text, and block attribute values.

12. Deleting objects in an AutoCAD drawing file

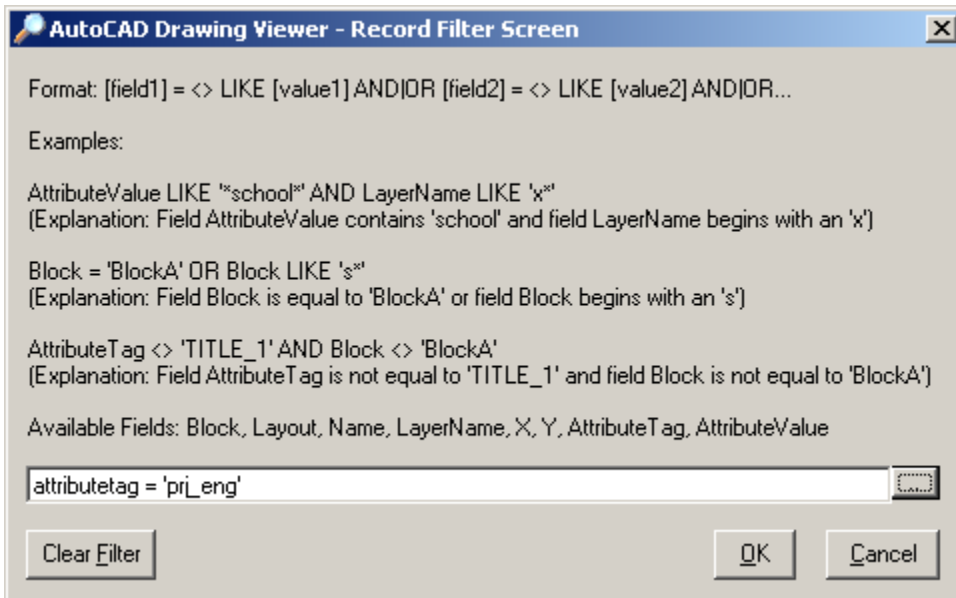
Select radio button “Block Attributes” from the Drawing Information group box. You should see block attribute information in the data grid. Next, select the entire record 2 by clicking in the square to the left of the record.

	Block	Layout	Name	LayerName	X	Y	AttributeTag	*AttributeValue
<input type="checkbox"/>	*MODEL	Model	D000050	XT	662.34	761.5	TITLE_1	This is title 1.
<input checked="" type="checkbox"/>	*MODEL	Model	D000050	XT	662.34	761.5	TITLE_2	This is title 2.
<input type="checkbox"/>	*MODEL	Model	D000050	XT	662.34	761.5	CUSTOMER'S_NAME	ABC Computer Inc.
<input type="checkbox"/>	*MODEL	Model	D000050	XT	662.34	761.5	PRJ_ENG	John Doe
<input type="checkbox"/>	*MODEL	Model	D000050	XT	662.34	761.5	DRAWN_BY	Bob Brown

Now press the delete key. The record will disappear in the data grid. The block attribute object is not permanently removed from the drawing until you click the Save button. Go ahead and press the Save button to permanently remove this object. Click on the drawing again and notice that the block attribute no longer exists.



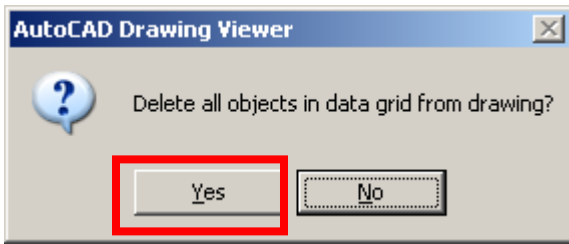
In the next example you will delete all block attribute objects that have an attribute tag name of PRJ_ENG. First you must set a filter by pressing key F6 and typing **attributetag = 'prj_eng'** then clicking the OK button to set the filter.



If the filter is set successfully you should see this message. Click the OK button to close the window.



At this point there should be 4 records in the data grid. To delete these records press the Delete All button and click the Yes button to continue.



Click the Save button to save your changes. Reload the drawing and notice that block attribute objects no longer exist.

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