AUTOPREP

Total CAD Drawing Management Tool

Your New Design Assistant

AutoPREP for AutoCAD®

Host Drawing Manager

Total DWG Manager

Revision Manager

AP Says:

FREE YOUR MIND FOR PRODUCTIVE DESIGN!

What is AUTOPREP?

The Ultimate Design Assistant!
Immediately Increase Design Production in Any Discipline!

It's like having an assistant that understands your needs readying all your raw issued design files so you can immediately begin your productive design work!

Imagine having your Design Assistant:

- Review all drawing files for corrupt, missing or disassociated XREFS
- Repair, associate, or replace needed files
- Separate all files into Parent, XREF or Standalone sub-components
- Greatly reduce drawing file sizes by removing all superfluous entities
- Remove unneeded entities, blocks, hatches etc. to create design space
- Combine, simplify and Reduce layers
- Simplify complex text strings such as MTEXT into simple text
- Track all drawing preparation and cleanup modifications to be seamlessly replicated on all subsequent revision drawings
- Discern and graphically delineate any and all revisions between drawings utilizing powerful "Advanced Digital Recognition" technology.

Tasks that previously took hours can now be accomplished in a matter of minutes!

Why You Need AUTOPREP …

You may not even be aware of the tremendous amount of time that is wasted opening problem files, drawing preparation and cleanup. This process has become STANDARD OPERATING PROCEDURE in most firms. Drawing files have steadily become larger and more complex with new and sophisticated entities both visible and invisible. Some complex drawings can consume as much time preparing a base design background as the actual new design you are trying to create. Especially if you are inundated with continual revision drawings that require starting the entire process over and over again! This is no longer a necessary evil to perform prior to beginning productive work on your design!

> "If you work with AutoCAD drawings, you NEED AutoPREP! Once you use it, you will wonder how you ever managed without it!"

AUTOPREP Features …

Host Drawing Manager

Have you ever been stopped dead in your tracks trying to open an AutoCAD drawing with missing, corrupt or disassociated XREFS?

The "**Host Manager**" can re-attach or bind all locatable XREFS from multiple files while resolving unattached, corrupt, or missing files. Problem files are replaced to initially open the drawing and a complete error report is provided of all issues addressed by AutoPREP.

Drawing Cleanup

AutoPREP starts to works before you even open a drawing!
Upon opening the drawing, AutoPREP automatically removes invisible redundant entities with preset system settings, such as duplicate Lines, Arcs, Circles, Text, Dimensions, Polylines, Hatches and Blocks along with irrelevant Reg. Apps or App. IDs.

Dynamic Editor

The ultimate Block Editor would be to simply select all unwanted items directly within the drawing without regard for block association or nesting and have it remove all like items throughout the drawing. AutoPREP's amazing "Dynamic Editor" does just that by allowing direct cursor or window selection of any elements within the drawing, regardless of block affiliation or exploding.

Memory Wizards

Records ALL user input while cleaning and preparing the original drawing. With literally the push of a button, steps can be recalled to repeat and replicate all previous tasks on subsequent revision drawings.
With AutoPREP you will NEVER have to repeat the cleanup process on a revision drawing again!

Drawing Compare / Review

Tired of Endless Drawing Cleanup and Revisions?
AutoPREP's "**Compare Module** " will automatically discern and delineate any and all modifications between drawings utilizing precise digital imagery interfacing.• Delineation is accomplished by placing a "**Revision Cloud**" around each added and/or deleted design entity or text change.•It can also graphically illustrate all modifications by "contrasting colors".

Batch Processing - AutoPREP Pro!

Firms having to deal with numerous drawing files, with continual revisions, will benefit from this most productive feature! Once the files are loaded into the AutoPREP PRO batch file process, it can perform all the functions automatically on hundreds of drawings without further human intervention.

SECURITY! -
AutoPREP contains two important security features that intertwine to protect original drawing files while allowing comprehensive drawing cleanup and preparation for background use. It also allows complete review of edited drawings against the original drawing. The user can recall the "**View Only**" file directly from the program at any time to insure that desired entities were not inadvertently deleted by AutoPREP's powerful automated functionality.

> "Once you use AutoPREP You will Wonder how you Ever Managed without it!"

Read on to learn about the full Features and Capabilities of AutoPREP!

AUTOPREP

Total Drawing Entity Management

"Purpose of the Drawing Cleanup & Prep Tools"

Design drawings normally contain all information needed for the entire project. Much of it may not pertain to your needs and must be removed to make room for your specialty design. Drawing files have also continued to grow in size and complexity over the years with sophisticated new entities both visible and invisible. Time spent editing these files into a more useable state has gradually increased as well, such that few even realize the tremendous loss in productivity and simply accept it as standard operating procedure. This fruitless situation is compounded even further with each and every revision drawing received.

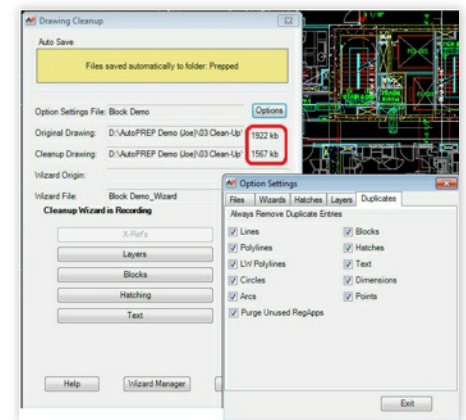### AutoPREP starts to work before you even open a drawing!

AutoPREP automatically removes invisible redundant entities freeing valuable system resources before you even open a drawing file! Preset user defined object filters instruct removal of duplicate objects including lines, arc's hatches, blocks etc. along with hidden Reg. Apps and App. Ids that can number in the tens of thousands. The superfluous entities are gone the instant the command is given to open the file in AutoPREP! Confirmation is immediately depicted in the file size comparison counter on the main dialog box.

AutoPREP in Action - A Great Example!

A subcontractor working on the largest commercial project in history… (Located in Las Vegas Nevada) offered an unsolicited testimonial stating;
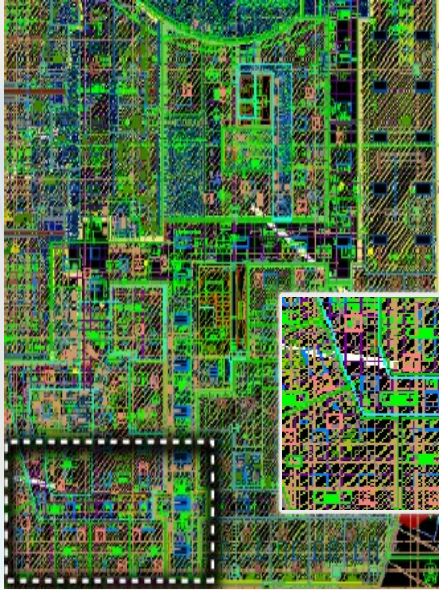*"The preparation process needed to clean up a single drawing to make room for their design–build mechanical processes took an average of 20 to 40 man hours. Using a beta version of AutoPREP it was now being completed in 20 to 30 minutes! Additionally, with the built-in memory wizards, unrelenting revision drawings were being cleaned and prepared in seconds."*

The entire cleanup and drawing preparation process is universally accepted…and rarely perceived as non-productive!.

See How AutoPREP Can Automate All These Tasks and so Much More !

The Power of AUTOPREP - How to EASILY get from CHAOS to CLEAN!
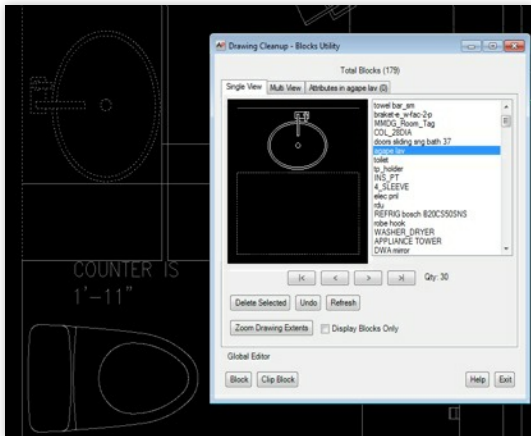

How do I get from here to there in minutes? AutoPREP easily and systematically accomplishes the tedious tasks of locating, editing and removing **unwanted** and **unneeded** entities throughout the entire drawing in just minutes!
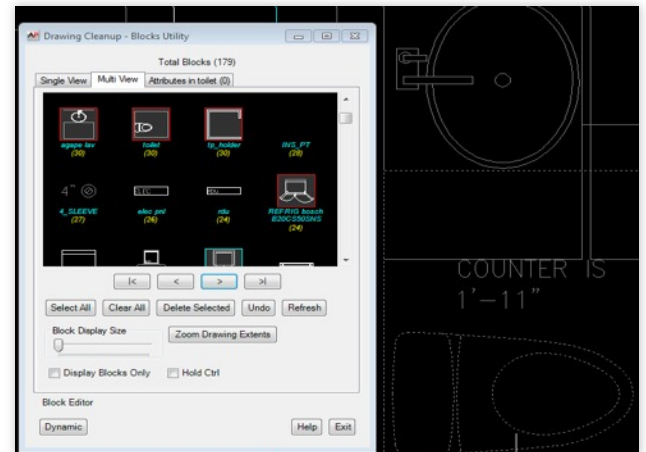
CHAOS

CLEAN

LET'S START WITH THE POWERFUL BLOCK EDITORS!

Blocks usually make up a large portion of the drawing and prove the most difficult to edit, especially when they contain both needed and undesired entities. AutoPREP contains several block editing tools to rapidly identify and remove entire blocks or just portions thereof. The **"Single Edit"** mode offers a very user friendly process to view and remove all undesired blocks. The user can tile-through the entire list of blocks that are sorted in descending order of magnitude displaying the quantity of each contained throughout the drawing. Choosing delete will remove it and all like blocks in the drawing regardless of block affiliation or nesting.

The **"Multi-Screen Editor"** accelerates this process by displaying several blocks simultaneously on a separate viewing screen also sorted by unit count in descending order. Easily isolate multiple unneeded blocks for deletion using CTRL, SHIFT, or WINDOW selection methods. In just minutes, hundreds of undesired blocks and nested blocks can be removed globally. These editors work incredibly well for viewing and deleting entire blocks however, sometimes blocks contain vital elements and cannot be deleted as a whole.
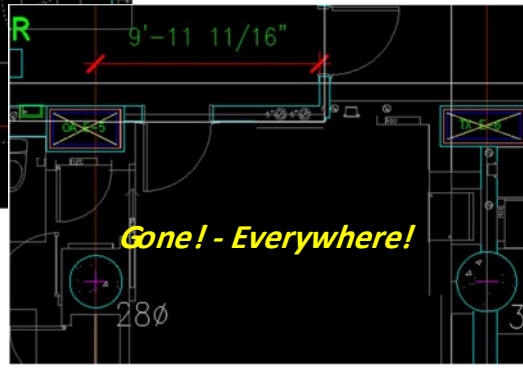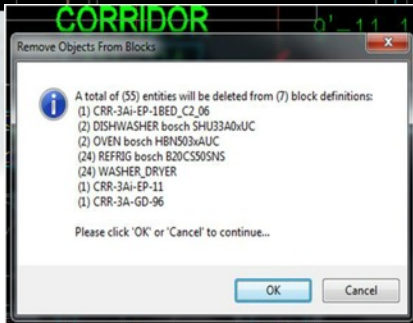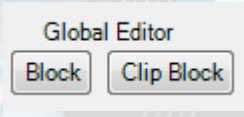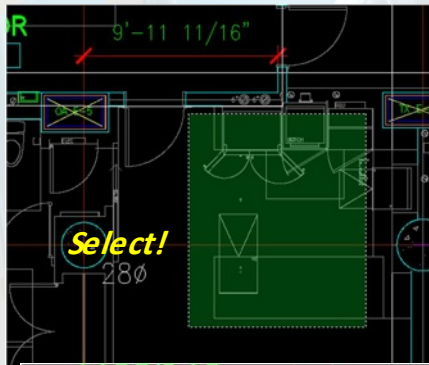
Read about the amazing **Dynamic Editor** on the next page…

In minutes, hundreds of blocks and nested blocks can be removed

Deleting only undesired portions of blocks

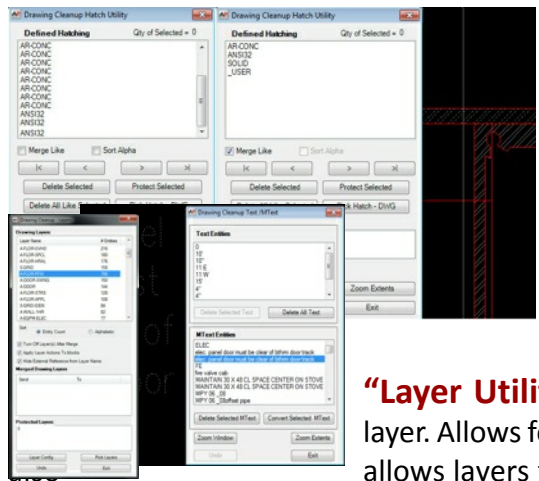**Select!**

Confirm!

Gone! - Everywhere!

Until now, deleting portions of a block required "exploding". This process often compounded the cleanup process by increasing the number of unwanted objects breaking them into simple drawing elements or additional blocks previously nested. AutoPREP's amazing **"DYNAMIC EDITOR"** can reach into blocks to remove embedded, hatches, text, nested blocks, and more without exploding! Choose **"BLOCK"** to select entire nested blocks or **"CLIP"** to "cut out" any undesired portions. Edited portions of blocks or the nested blocks within will change all instances of the blocks occurring throughout the drawing as displayed in the summary block count dialog. The dynamic editor functions on all drawing elements not just blocks to easily wipe clean entire drawing areas while globally removing all like components.

"It just doesn't get any better than that! Or easier than that! Finally AutoPREP!"

Hatch, Text and Layer Editors

These utilities work similar to the block editors allowing for user friendly tile thru viewing and editing with individual unique capabilities as follows: **"Hatch Editor"** - Hatches can be a big contributor to redundant clutter and wasted space in the drawing. The vast majority are either diagrammatic or decorative and are non-essential and can be deleted globally as well. Essential hatches such ceiling treatments can be sele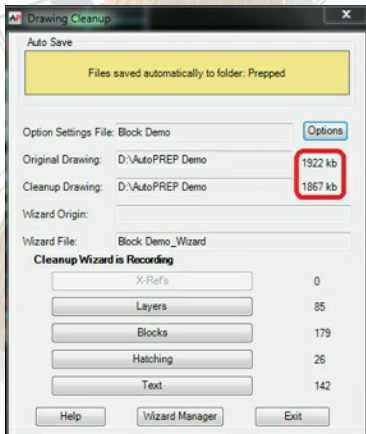cted and protected to keep from being inadvertently deleted. **"Text Utility"** - In addition to pan thru editing, easily convert complex Mtext to simple text of any font or size. **"Layer Utility"** - Option to display in alphabetical order or descending order of entities layer. Allows focus on the layers with greatest contribution to the drawing file size. AutoPREP allows layers to be protected so that nothing is changed by AutoPREP on a protected layer. Clicking any entity on the drawing selects the owning layer in the layer utility display, setting the stage for deletion or merging to a new layer. AutoPREP's **"Drag and Drop"** simplicity allows the user to dissect the drawing layers and greatly simplify the drawing in just minutes. **And much more!**

If you work with AutoCAD drawings you NEED AutoPREP!

Once you use it, you will wonder how you ever managed without it!

AutoPREP Memory Wizards!

Removing resource intensive redundancies and surplus entities also greatly enhances drawing performance. AutoPREP continually monitors your progress by displaying current file size comparing it to the original on the main cleanup dialog box. All the while, each mouse click that provides extensively compounded subsequent results throughout the drawing is being monitored and recorded by AutoPREP's exclusive **"Memory Wizard"**. Each and every aspect of user input is stored to be applied to any issued revision drawing. Upon opening any subsequent revision drawing the program will display the drawing specific wizard name and prompt the user to allow the program to automatically replicate all previous cleanup and preparation tasks. Selecting "yes" will instantly provide an identically prepared drawing in the same state as the previous drawing except for added modifications. Also, all like drawings from the same project Architect can utilize the same wizard to automatically clean and prepare similar d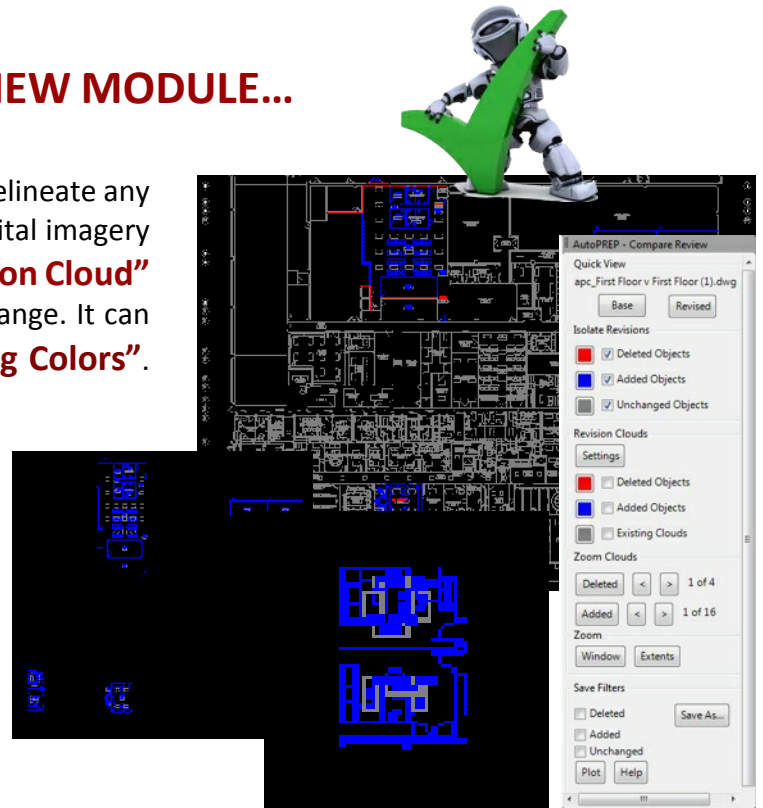rawings in the set using AutoPREP's batch file process. Just imagine! These tedious non-productive tasks will not have to be repeated again for the entire project! Now that you have cleaned and prepared the latest revision drawing with literally the push of a button, wouldn't it be nice to automatically know exactly what modifications were made to it?

AUTOMATED DRAWING COMPARE REVIEW MODULE...

The **"Compare Feature"** will automatically discern and delineate any and all modifications between drawings utilizing precise digital imagery interfacing. Delineation is accomplished by placing a **"Revision Cloud"** around each added and/or deleted design entity or text change. It can also graphically illustrate all modifications by **"Contrasting Colors"**. The unchanged portion of the drawing can be changed to a user defined solid color with contrasting colors for additions and/or deletions. In this way all modifications are clearly depicted for a concise permanent record while making it much easier to visualize any impacts caused by the highlighted entities within the drawing. Required revisions can be easily determined to confidently expedite change orders or tweak projects schedules. Even more definitive and proactive is the ability to isolate and display only added and/or deleted entities on screen. **AutoPREP's "Drill Down Z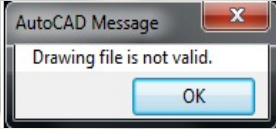oom"** capability can also provide automated material and labor pick off's by filtering to specialized system components for compilation and transfer to third party pricing or scheduling programs. This will be especially useful for BIM related projects. There are numerous zoom and colorization options available along with the ability to quickly tile between the base and revision drawing for visual confirmation as well. **Great for BIM Related Projects!**

Harness the power and accuracy of digital technology to define design changes. Catching only one visually overlooked modification could more than pay for the program! Many times over!"

More AUTOPREP Tools to Greatly Increase Production and Reduce Stress!

Have you ever been stopped dead in your tracks trying to open drawings with disassociated, missing or corrupt XREFS? The **"Host Manager"** automatically opens problematic drawings by fixing or replacing corrupt, missing or unattached XREF files. It first searches for locatable XREFS from multiple files to re-attach or bind them. Missing or corrupt files will be replaced to initially open the drawing and all issues are tracked and written to an "Error Log" for review. It will also alert the user of corrupt, unrecoverable or missing files by automatically preparing an E-mail for replacement of the blank proxy files temporarily inserted to initially open the drawing.
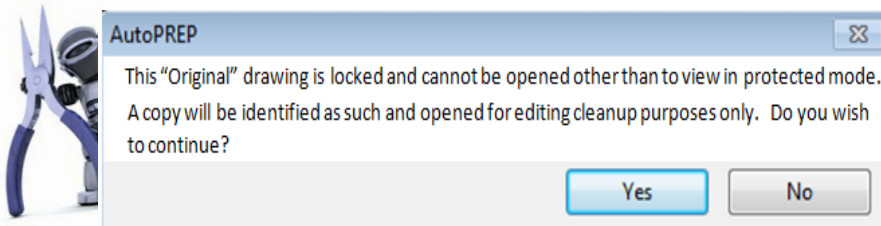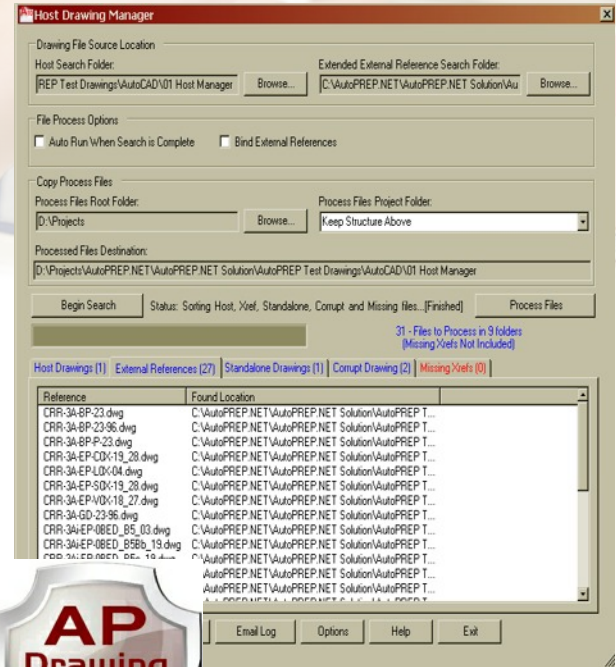
The Host Manager can also automatically search hundreds or even thousands of drawings and sort them into Parent, XREF, Stand alone, Corrupt or Missing subsets in a matter of minutes. The Host Drawing Manager can be purchased as a separate stand-alone utility or integrated within the AutoCAD program to completely eliminate file failure frustration and time consuming drawing file type categorization.

AP Security! "DCSS - Drawing Cleanup Security System"

AutoPREP contains two very important security features that intertwine to protect original drawing files while allowing comprehensive drawing cleanup and preparation for background use. It also allows complete review of edited drawings against the pristine original drawing. The user can recall the "view only" file directly from the program at any time to ensure that desired entities were not inadvertently deleted by AutoPREP's automated functionality.

Initially upon opening any drawing, AutoPREP prompts the user that the original will be saved and a copy will be created for editing purposes. Choosing No, will cancel the process. This feature should greatly assist in obtaining electronic drawing files from architects reluctant to issue them. The optional "AutoPREP "Drawing Cleanup Security System" or DCSS will only allow companies managing their files utilizing AutoPREP to access their drawings. AutoPREP DCSS will solve the dilemma presented to all project teams faced with **Design Needs vs Security Issues!**

Not only is your cleanup and preparation work cut from hours to minutes You will never have to perform it over again on revision drawings!

AUTOPREP PRO! For the Industrial Strength User!

Architects, Engineers and Consultants

Design professionals no longer need to track each design revision and can work without interruption until all modifications are complete. Utilizing AutoPREP's "compare feature" deltas can be generated by comparing the completed revised drawing to the base and have the program place "revision clouds" around each and every modification. You will find that AutoPREP can be utilized in many other unique industry specific ways such as comparing between any two time dated drawings and highlighting added and/or deleted entities to gauge performance.

"Original" drawing security is another unresolved situation that we feel AutoPREP can remedy! It is understandable that some industry professionals are hesitant to release editable original files that most project team members request in order to remove redundancies for needed specialty design space. Many will only issue locked, PDF or Bit Map files that not only hamper the cleanup process but totally restrict dissemination of valuable imbedded internally intelligent entities needed for digital communication information. This is particularly true for BIM specific projects. AutoPREP's **"Drawing Cleanup Security System"**, protects the "Original" drawing by only allowing it to be viewed or printed but never altered or edited. For added security the copy that is automatically generated in its place is embedded with a permanent time dated marker to designate it as " Not the Original". There are also tracking options available to monitor all usage. Issued drawing can only be opened using AutoPREP and should solve the dilemma presented to all project teams faced with design needs vs security issues.

General Contractors, Sub-contractors, Project Vendors or anyone having to deal with numerous incoming drawing files, with continual revisions, will realize the most productively intense capability AutoPREP has to offer!

AutoPREP PRO - Batch File Processing - AutoPREP PRO can automatically perform all the functions previously described on hundreds or even thousands of drawing files unattended! Imagine having the ability to provide problem free, pre-cleaned, concise, reduced file size drawings to all project team members with little or no human intervention. A log file is also automatically generated to review the results of unattended tasks including any errors. Most large projects are inundated with continual revision drawings containing little or no delta change delineation or highlighting. Impact pricing proposals are usually required within specified timeframes or costs will be forfeited. AutoPREP's Batch process has the ability greatly expedite the process of defining and delineating any and all drawing modifications between any number of revision drawings or between deltas with varying dates in sequential order. In addition, the utility can be set to print or create PDF files with all drawing changes highlighted for redesign and/or pricing. It also provides a separate report of the number of changes to each drawing in order of magnitude. Consider the value of a tool that can replace teams of staff members combing revision drawings and allowing them to be delegated to more profitable tasks. Not to mention the fact that automating the process from visual inspection to digital technology greatly increases accuracy. Discovering just one modification that might have been overlooked manually could impact not only material and labor costs, but impact project schedules do to needed field corrections.

AutoPREP Pro can assure increased accuracy and greatly contribute to more profitable on-time performance on any project !

To Contact AutoPREP directly
email us @ info@autoprep.com

Or Contact your local CAD
Reseller and ask for AutoPREP!

www.autoprep.com