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Introducing:



AutoSPRINK Version 8 New Features

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AutoSPRINK



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Menu Changes:

File Menu

Import / Batch DWG

- An option to batch import .dwg files has been added.

Import / AutoCAD DWG

- General importing is improved including **DWG 2007 & 2008** files and the use of **Object Enablers**.
- Added options to run **AutoPREP Wizard** upon Import, **Split Hatches**, **Use Windows GDI Rendering**, **Clean House After Import** and **Verify Drawing Elements**.

Export / AutoCAD DWG

- Exported elements have been modified to improve coordination with Autodesk products. Additional options to export attributes with sprinkler system components have been added for coordination software part tagging and future BIM application information. These options can be accessed by clicking the **Additional Options** in the **Export Options** dialog once the file to export has been named.

Actions Menu

Flatten

- Added feature to **Flatten** any selected element by resetting the insertion point, end-points or vertices to zero elevation. Caution: Vertical pipes will become zero-length. 'Cleanup Intersections' will delete these pipes. This Action has no affect on polytriangle elements.

Set Text Angle

- The **Set Text Angle** feature is now available to all Levels of the program..

Commands Menu

Merge Pipelines

- Options to merge either Line or Main pipelines have been added to this dialog.

Convert Elements

- Convert **Lines to Walls** has been added.
- New options have been added to the Convert submenu's **Lines to Beams** and **Symbols to Columns** commands. These options are only available if AutoSPRINK is licensed for AutoPREP.

Elevate Beams

- Options to merge either Line or Main pipelines have been added to this dialog.

Modeling

- An option to **Simplify Polytriangles** has been added to this menu. This dialog allows users to simplify polytriangles in the drawing by reducing the number of triangles and/or quads within it.

Verify Drawing Elements

- A dialog that enables users to quickly scan a drawing for objects that surpass a user-defined threshold for certain values has been added.

Auto Draw Menu

Connect / Pipes to Target Pipe

- A new option has been added in the **Connect Pipe(s) to Target Pipe** dialog to specify what kind of pipe to use if a stub is added.

Part Legend

- An option to add a part legend to the drawing has been added. This dialog allows users to place a copy of all selected elements along with a reference table into the drawing.

Wizards Menu

Multi-point Wizard

- The Multi-point Wizard has been added. This wizard is the same as the 3-point wizard; however, it allows the selection of multiple points when creating the wizard's boundary.

Alerts Menu

Alerts Control

- The option to change the location of the clearance point has been added. Users may select the optimal point in a certain direction or scroll through a list of available clearance points.

Listing Menu

Listing Manager

- A Copy button has been added to the Listing Manager. This allows users to copy existing List Areas for duplicate lists.
- Estimating features are again available when AutoPRICER is installed.

Pipelines

- Added **Renumber Pipelines** feature.

Parts Database Menu

- Added **Sprinkler Definition Wizard** to Simple Interface.
- Fixed **Add New / Edit Parts Book Pipe Type**.

Settings Menu

Drawing Settings – Project Management Tab

- The option to enable version changes in a document has been added. This is accessible in the Drawing Settings dialog, under the Project Mgmt. tab. Using this option, the name of the file will be incremented with a version number whenever it is saved, and any change notes will be saved with the drawing.

Fabrication Standards - Pipes Tab

- User-changes to Pipe Group options, including Smart Pipe materials, etc., will be maintained as the defaults for any New Drawing unless different options/materials settings are loaded via the 'File \Options \New Drawing' tab option to "Start with settings from a specified file..." (Manually loading a settings file will still change these settings within the current drawing.)
- A "Restore Program Defaults" button has been added to reset all Pipe Group and Smart Pipe settings to their original state.

Fabrication Standards - Pipeline Tab

- Separate options to merge either line or main pipelines have been added to this dialog.

Hydraulic Calculations – Calculator Tab

- The option to change the hydraulic calculations from Hazen-Williams to **Darcy-Weisbach** has been added. Darcy-Weisbach calculation options can be found using the **Fluid / Antifreeze Properties** button found in the Hydraulic Calculations dialog.

Hydraulic Calculations – Manually-Flowing Tab

- Added a tab for user-definable Hydraulic Calculation Report information when calculating manually-flowing devices.

View Menu

Color Pipes by Flow

- The **Color Pipes by** dialog now has an option to color pipes by **Ability to Flow from Supply**.

Hydraulics Menu

Manual Hydraulic Graph.

- Added new full-featured manual graph

Report Options:

Hydraulic Report Options

- Added option to **Show volume of Dry/PreAction/Antifreeze System**. Selecting the option allows the volume of pipes containing Antifreeze (or Other Solutions or agents) to be isolated and shown on the Summary report of the hydraulic calculations.
- Added **Select All** and **Deselect All** buttons to 'Graph Supplies'.

Element Properties:

Pipe Properties

- Added **Fluid** options to pipe properties, Hydraulics tab, for Darcy-Weisbach calculations of Antifreeze/Other Solution or Agent.
- Added **Advanced** option to Vertical Pipe Markings.
- Added **Group** option to Labels to assist in drawing cleanup.
- Added **Do not include in pipeline creation** option which will allow pipe to be stock listed without a pipeline designation.

Pipe and Fittings Properties

- Added options to **Lock** and **Unlock** Make-Ons that allows for multiple fitting/outlet make-on combinations for welded manifolds, etc.

Pipeline Properties

- Added **Lock Label Modifications** option.

Hanger Properties

- Added an option to automatically place hanger labels on the **Opp. Side** of the pipe.

Node Tag Properties

- Added **Display Pressure...** and **Display Flow...** options.

Hose Properties

- Added hose valve types and options to modify the appearance of these elements in the drawing.
- User-entered **Hydraulic Loss** is now calculated for hose valves, racks and reels.

Pressure Reducing/Regulating Valves Properties

- A new option for **Desired Maximum Static Outlet Pressure** has been added under the Hydraulic Loss tab in the valve properties.

Alerts:

Drawing Alerts

- Improved drawing alerts highlight unrecognized elements within drawing upon opening.
- Overall improvement of conflict alerts and resolution management for project coordination.

Stock Listing Reports

- Added **Part Number** and **Manufacturer** columns to all Summary reports and the Loose Material report.

Other Improvements:

PRVs

- Added to, and better separated, Pressure Reducing, Pressure Regulating and Pressure Relief valves.

Ductile Iron Pipes

- Added multiple classes of DI Pipes and updated existing IDs to a more nominal value.

Report Improvements:

NFPA Hydraulic Reports

- Improved NFPA Hydraulic report format for clarity and cross-referencing of paths.

Stock Listing Reports

- Added **Part Number** and **Manufacturer** columns to all Summary reports and the Loose Material report.
- Added a Listing Reports Option to **Use Non-Threaded / No Weld report** which, when selected, will separate these pipes to their own report.

Purchase Order Reports

- Added sprinkler **SIN Number** to Purchase Order reports.