A Faster Way to Work!



Introduction:

Todd Schmoock:

- Autodesk Reseller Synergis Technologies Quakertown, PA Sales, Training, Consulting
- Manufacturing industries: Technical Ceramics, Honeywell, OTIS Elevator, Specialty Gas
- Autodesk software:

 AutoCAD®, AutoCAD® Electrical, Inventor®, Factory Design Utilities

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Helping you stay ahead.





Class summary:

AutoCAD Electrical has specific tools for creating electrical controls system designs. It has libraries of standard components, and creates intelligent connections between project drawings. This session demonstrates how to take an AutoCAD-based control system design and add AutoCAD Electrical intelligence. Sometimes it makes sense to keep the standard AutoCAD design in the project, and sometimes it makes sense to make the entire circuit smart. This session will work with tools available in a typical installation of AutoCAD Electrical, and use some tools used for years in a standard AutoCAD installation.







Subjects:

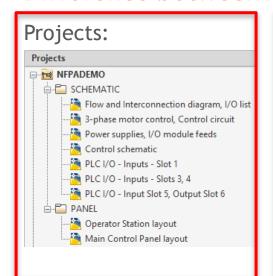
- Difference between AutoCAD and AutoCAD Electrical:
 - Group drawings together in a project
 - Project drawings are linked
 - Parent/Child
 - Source/Destination wires
 - Terminals linked
 - Blocks carry data allowing to run reports
- AutoCAD Electrical specific tools:
 - Wires not Lines
 - Delete Component and Trim Wire Not ERASE or Keyboard Delete
 - Design Center is safe to use!
 - Wire Number tool automatically adds wire numbers Not dumb text
 - Edit Component Not Enhanced Attribute Editor
 - Terminal symbols linked Use Terminal Editor
 - Export to Spreadsheet Make changes in Excel, and import back to drawing
 - Make sure you run the update tools!
- Schematic Symbols are linked to Panel Footprints:
 - Linked together with attributes
 - Can extract the information to link, or manual add the required data
- Setting AutoCAD Electrical up in a group environment:
 - Using software out-of-box vs. sharing content
 - Server vs. Vault

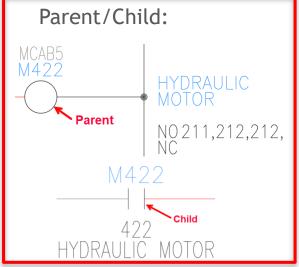


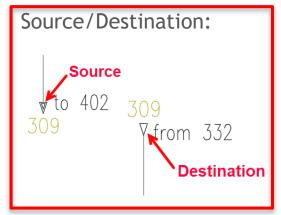




Difference between AutoCAD and AutoCAD Electrical:

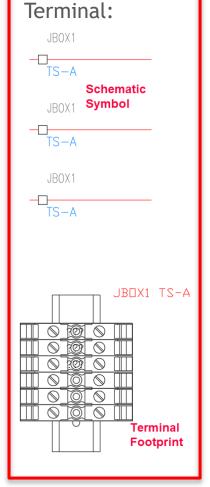






Symbols are linked so you can "Surf" across drawings to locate

Туре		Sheet,Reference	Installation	Location	Ca
р		03, 422		MCAB5	
	NO	01, 211		MCAB5	
	NO	01, 212		MCAB5	
	NO	01, 212		MCAB5	
	NO	01, 213		MCAB5	
	NO	03, 423		MCAB5	
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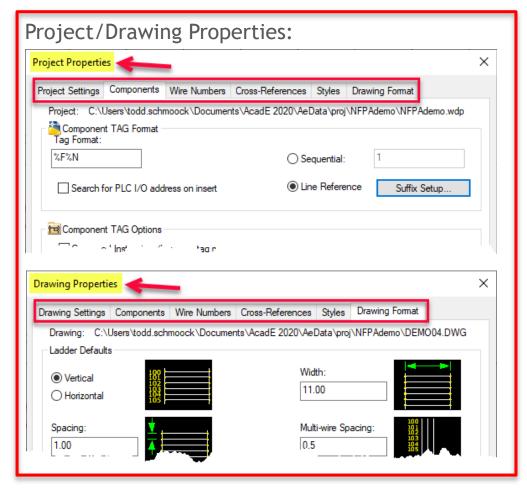


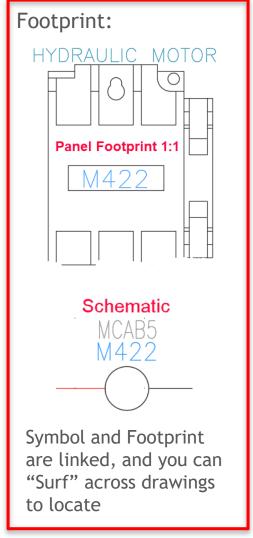






Difference between AutoCAD and AutoCAD Electrical:





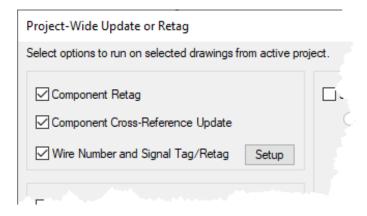


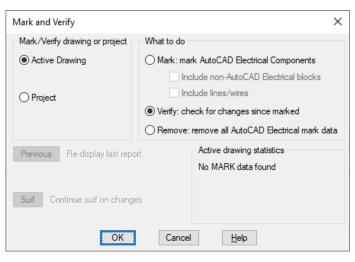


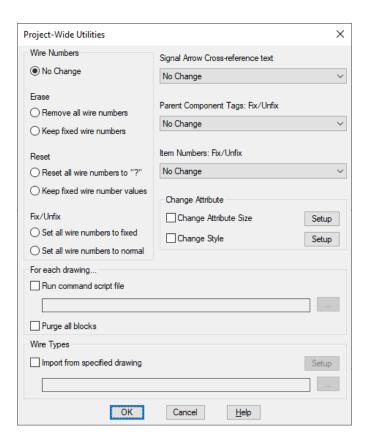


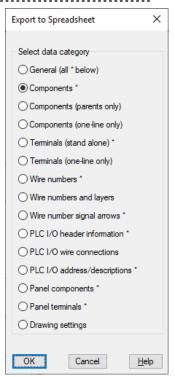
AutoCAD Electrical specific tools:

Project tool examples:











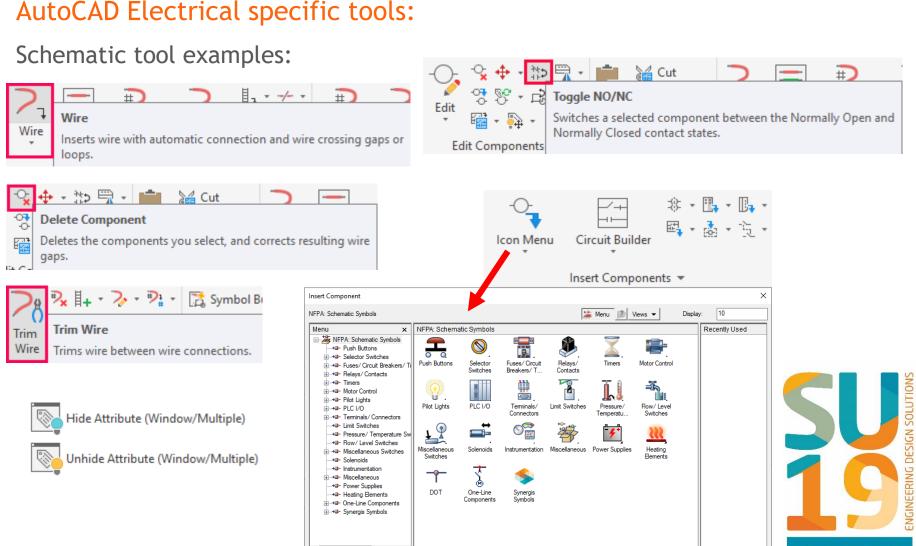


No edit dialog

No tag



AutoCAD Electrical specific tools:



Scale schematic: 1.000

Scale panel:

Type it:

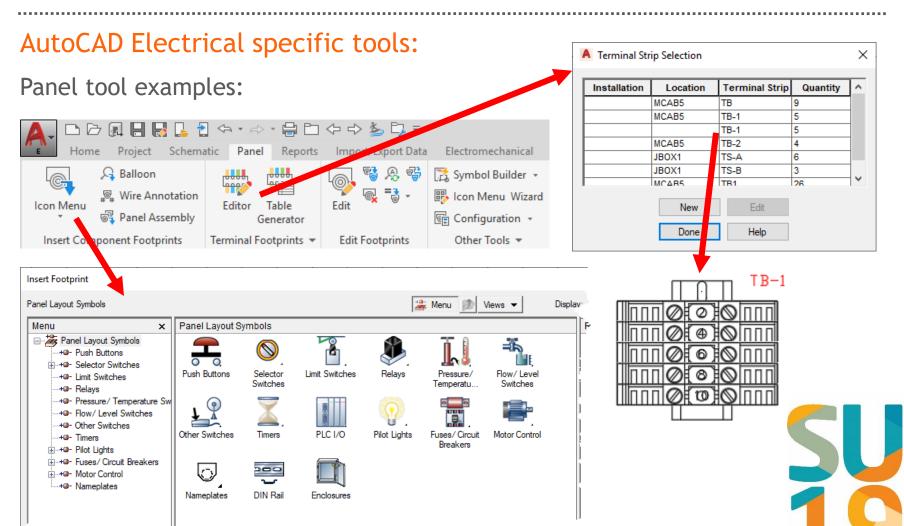
Always display previously used menu

Cancel





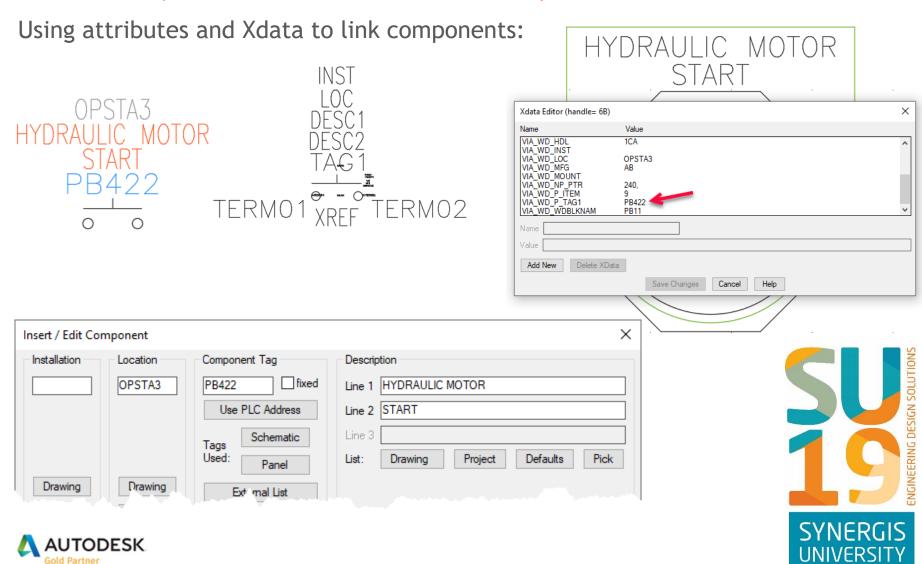
ENGINEERING DESIGN SOLUTION







Schematic Symbols are linked to Panel Footprints:





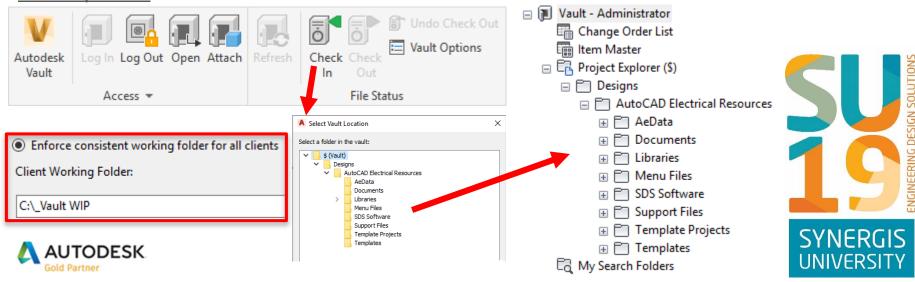
Setting AutoCAD Electrical up in a group environment:

Working independently vs. creating data once and sharing it. Default install places data on the "c" drive. This data should be moved to the server, or into Vault.

Default locations:

- Libraries:
 - C:\Users\Public\Documents\Autodesk\Acade 2020\Libs
- Databases:
 - C:\Users\user login\Documents\Acade 2020\AeData\en-US

Vault options:





Questions?







Thank you!



