

IT'S ALL ABOUT YOUR POWER LINES

2013 PLS-CADD Advanced Training and User Group

Schema & Customizations

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IT'S THE SOLUTION

What & Where is Schema

- The Schema file (.sma) has a location defined in File\Preferences...
- The Schema file stores a host of customizations within the software.

PLS-CADD Preferences		
Saved to file: C:\Users\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Setings Compress XYZ and TIN files when saving to a network s Default coordinate system for new projects and old on Disable advanced IPC Exable pretensioning of sections feature Export project XML during each save (will increase sa Include full path name of files in XML export and whe Include horiz. tension as % of ultimate in section di Include title detail in XML export as a columm Include title detail in XML export as a column Include is in default DXF file name for DXF ex Line angles in Grad rather than Degrees (selected rep	es without one (Default =) No (Default = No) No (Default = No) n copping tables No alog boxes and reports No No (Default = No) no (Default = No) alog boxes and reports No No (Default = No) No (Default = No) No (Default = No) No (Default = No)
File		Default for
Direct		New Projects
1 Application Directory		c:\program files (x86)\pls\pls_cadd
2 Temporary Directory		c:\users\ \appdata\roaming\pls\temp
3 Project Directory		c:\users\public\documents\pls\pls_cadd\examples\projects
4 Structure Directory		c:\users\public\documents\pls\pls_cadd\examples\struct
5 Cable and Marker Ball Directory		c:\users\public\documents\pls\pls_cadd\examples\cables
6 Part/Assembly Library		c:\users\public\documents\pls\pls_cadd\examples\projects\demo.prt
7 Schema File		c:\users\ \appdata\roaming\p1s-cadd.sma
	OK	Cancel

Tips for Storing Schema

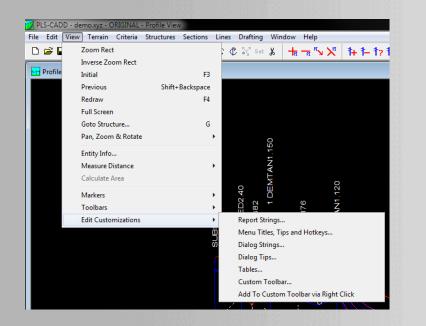
- Choose a name other than the default name pls-cadd.sma
 - Something like YourName.sma
- Store you .sma file someplace safe where only you have access to it
 - Something like a folder on your desktop
- Keep a backup copy someplace
 - On a USB flash drive for example
- Right click on the .sma file in Windows, select propterties, and under the general tab select Read-only so that no undesired changes can be made
- For custom toolbars you can copy/paste information into an Excel spreadsheet for safe keeping as well
- Be cautious of project specific .sma files
 - If used, customizations will only appear for that particular project

Uses for Schema

- Tailor reports to have format and data to yours or your client's needs
- Create schema files to remove or disable menu items and commands, i.e. drafter.sma or surveyor.sma
- Create schema files to label menu items and commands with your own name or language
- Create hotkey shortcuts for favorite commands
- Create up to 4 custom toolbars with user-defined text or icons for many popular commands.
- Control XML output and inclusion of sub-section reports

Accessing Customizations

- All customizations can be found under View\Edit Customizations\
- Almost all reports can be customized by right clicking inside a report and selecting customize



tructure Li	ist Repor	rt						
Struct. Number	Station (ft)	Angle		Height Adjust (ft)	Adjust	Angle	Name/De	scription/Comments/Material
Substation	76.67	0.00	725.04	0.00	0.00	0.00	c:\us	XML Export 'Structure List Report'
							LATTI	Customize 'Structure List Report'
Tap	419.36	0.00	382.35	0.00	0.00	0.00	c:\us DEMOI	Table View
1	801.71	0.00	875.72	0.00	0.00	0.00	Tap c:\us DOUBI	KML or SHP Export Import in Project as XYZ Points
2	1677.43	0.00	789.62	0.00	0.00	0.00	1 c:\us	XML Export
							DOUBI 2	Open Close
3	2467.05	90.00	872.83	0.00	0.00	0.00	c:\us STRAI	Save
4	3339.88	0.00	748.86	0.00	0.00	0.00	3 c:\us	Save As Append To
							TANGE 4	Name Report
Dist	3667.05	0.00	197.24	38.09	-82.94	0.00	c:\us Distr	Compare Report To
Dist	3767.05	0.00	0.00	47.78	87.06	0.00	Dist c:\us Dist:	Print Print Preview
5	4088.74	0.00	766.31	0.00	0.00	0.00	Dist c:\us TANGE	Save Selection As Append Selection To
			941.08	0.00		180.00	5	Font

Menu Commands & Hotkeys

Customize Menu Titles and Tips

You can customize the menu items below to translate them into another language or to add your own keyboard accelerators. To add a keyboard accelerator copy the menu name (with a ampersand % added before any underlined letter) add "\t" (backslash then a 't) followed by your keyboard shortcut. Your shortcut can use any letter, number or function key, but not other special keys. You can preface the short cut with "Shift", "Ctrl-", or "Alt-" if one of those keys should be pressed as well. For example, you could make Alt-F10 run the Backup command by entering "%Backup\tAlt-F10". Enter "##" to remove a menu item altogether or "##" is disable it.

	PLS Menu Title	User Menu Title
1	٤File	
2	&New	
3	&PLS-CADD	Create
4	PLS-CADD-&Lite	Create
5	&Open	Open a
6	Import	
7	&User Defined XYZ	Import
8	User Defined PFL	Import
9	&TLC5	Import
10	T&VA	Import
11	UP&A	Import
12	CALD XYZ	Import
13	CALD PFL	Import
14	Staking Table (from Spreadsheet/Database)	Create
15	Create New Structure	Create
16	FRAit Stanatura	Edit a

New Report Format Interface

mize "Structure List Report"	1000 B 1000					
tomizations saved to file: c:\users\) Simple Customizations (Show/Hide Colum	\appdata\roaming\pls\pls-cadd.sm	a		-	Data Formatting	2 <mark>2 ×</mark>
Advanced Customizations (Column order, Formatting, Translation)						Data Width
S title Structure List Report					③ String	Minimum number of characters - will add blank characters if
er title					🔘 Integer	needed to reach this number
Include in report 🛛 📝 Include in	XML export				🔿 Real	Maximum number of digits to the right of the decimal point
Power Line Systems' Name	User's Name	Table Format	Report Format	Report Display Order (0 to hide)	Alignment C Left Aligned Right Aligned	Notation Decimal (e.g. 1.2345) Scientific (e.g. 1.2346003)
1 Struct.\nNumber	Struct.\nNumber	%7s	\$7s	1		Shortest of Decimal and Scientific
2 Station\n\n%m	Station\n\n%m	%8.21f	\$8.21f	2		
3 Line\nAngle\n%m 1	Line\nAngle\n%m	%7.21f	%7.21f	3		OK Cancel
4 Ahead\nSpan\n%m .	Ahead\nSpan\n%m	%8.21f	%8.21f	4		
5 Height\nAdjust\n%m I	Height\nAdjust\n%m	%8.21f	\$8.21f	5		
6 Offset\nAdjust\n%m	Offset\nAdjust\n%m	%7.21f	\$7.21f	6		
7 Orient\nAngle\n%m	Orient\nAngle\n%m	%7.21f	%7.21f	7		
8 Name/Description/Commer	Name/Description/Commer	\$-36s	\$-36s	8		

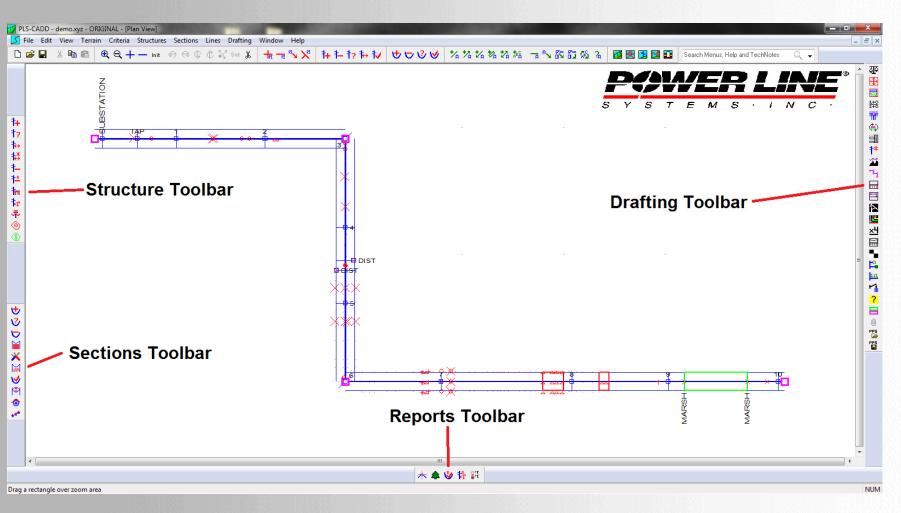
OK Cancel

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New Custom Toolbars

- Now configure up to 4 custom toolbars
- Toolbars can be renamed
- Icons can be utilized for buttons in custom toolbars
 - Over 150 icons created for commands in PLS-CADD, TOWER, & PLS-POLE
 - Text can still be utilized if icon isn't desired
- Icons have been created for existing toolbars as well
 - i.e. you can create your own structure toolbar and have a command for adding a structure
- Toolbar commands can be added via a right click interface
 - When enabled in this mode you can right click on any command desired and it will be added to a custom toolbar of your choice

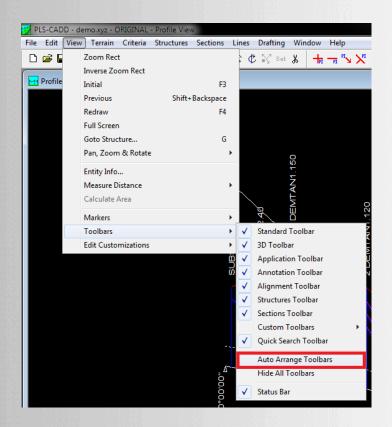
Custom Toolbar Example



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Toolbars Not Staying Where They Should?

Disable the auto-arrange toolbars feature



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Programmable Mouse

Corsair Vengeance M95

- 13 programmable buttons plus left and right click
 - Programmability includes simple one key keyboard commands to full blown macros
- 6 different possible profiles, with the last saved one stored on the mouse itself
 - A good example would be for creating 1 profile in PLS-CADD and others for PLS-POLE or TOWER
- Can be used to control various commands and operations in PLS software.
- Can be combined with schema and hotkeys to make programming easier.
- On the fly DPI adjustments
- Programmable keyboards are also available



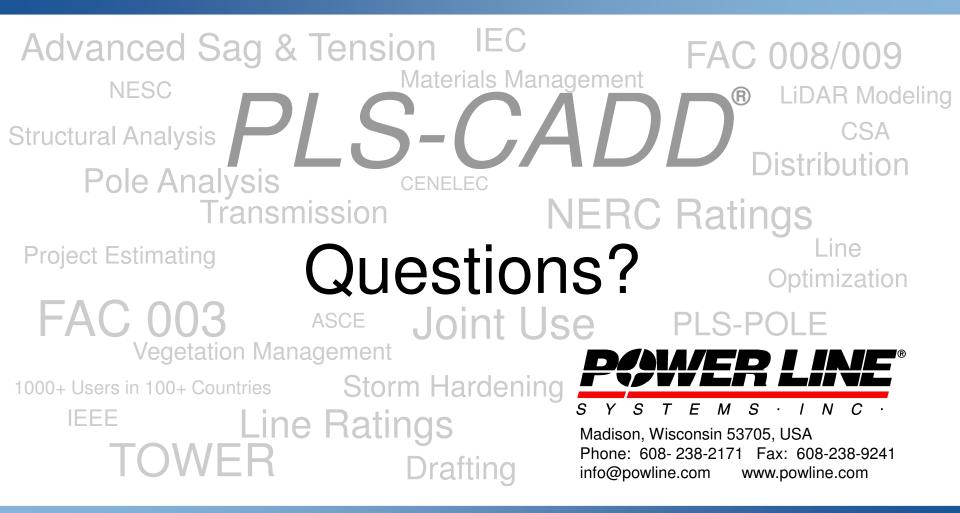


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