



CAWANGAN KEJURUTERAAN ELEKTRIK

APLIKASI AUTOCAD (ASAS)

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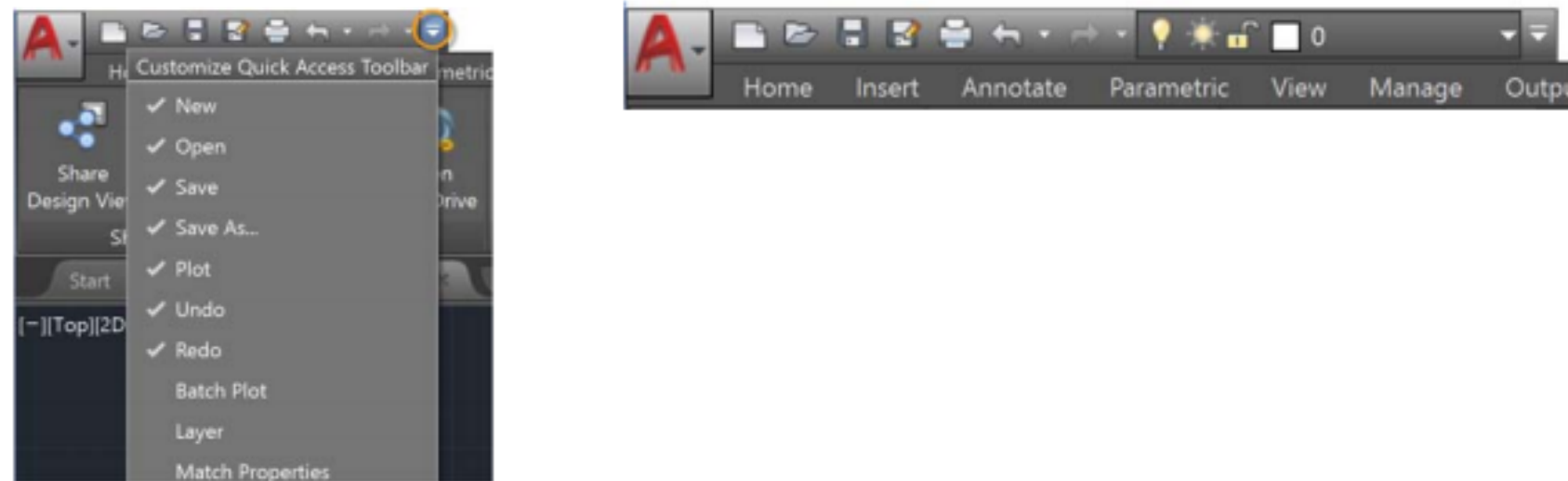
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INTRODUCTION

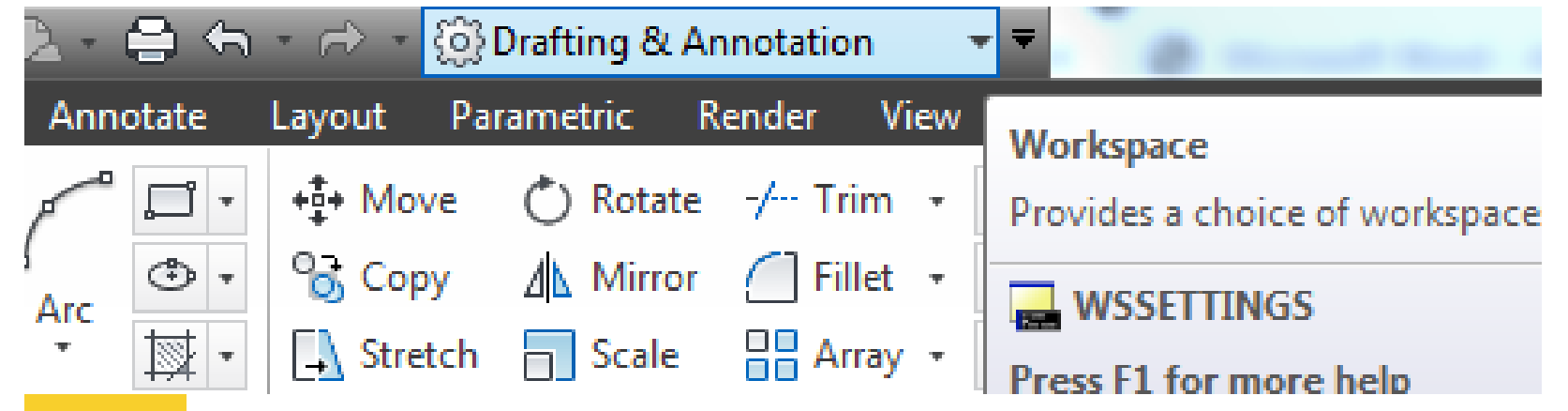
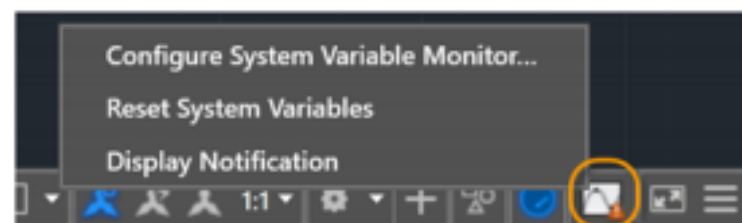
Quick Access Toolbar

The Layer Control option is now part of the Quick Access Toolbar menu. Although it is turned off by default, you can now easily set it to display in the Quick Access Toolbar along with other frequently used tools.



Status bar

The status bar icon for the System Variable Monitor tool is displayed when system variables deviate from their preferred values. In AutoCAD 2018, a right-click menu has been added to the System Variable icon, providing quick access to reset system variables to their preferred values without having to open the System Variable Monitor dialog box. The right-click menu also includes options to configure the System Variable Monitor and enable balloon notification.



NOTES :

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SETTING UP PROJECT DRAWING

-ELECTRICAL DRAWING-

DRAWING TEMPLATE

BASIC SETUP

PAPER SIZE SELECTION

DRAW COMMANDS 1

COMMON AUTOCAD DRAW COMMANDS IN PROJECT DRAWING

LINE

POLYLINE

DYNAMIC INPUT

ORTHOGONAL LINE

POLAR TRACKING

CIRCLE

ARC

DRAW COMMANDS 2

COMMON AUTOCAD DRAW COMMANDS IN PROJECT DRAWING

RECTANGLE

POLYGON

SPLINE

DONUT

ELIPSE

MULTILINE

INFINITE LINE
(XL & RAY)

BASIC DISPLAY COMMANDS

COMMON AUTOCAD DISPLAY COMMANDS IN PROJECT DRAWING

ZOOM

SELECTION

REGEN

TEXT COMMANDS

COMMON AUTOCAD TEXT COMMANDS IN PROJECT DRAWING

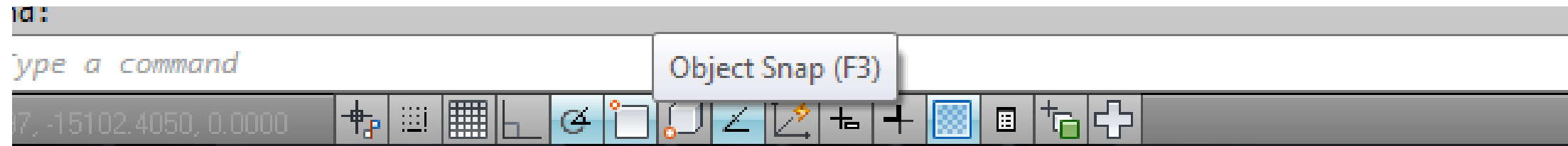
SINGLE-LINE TEXT

MULTI-LINE TEXT

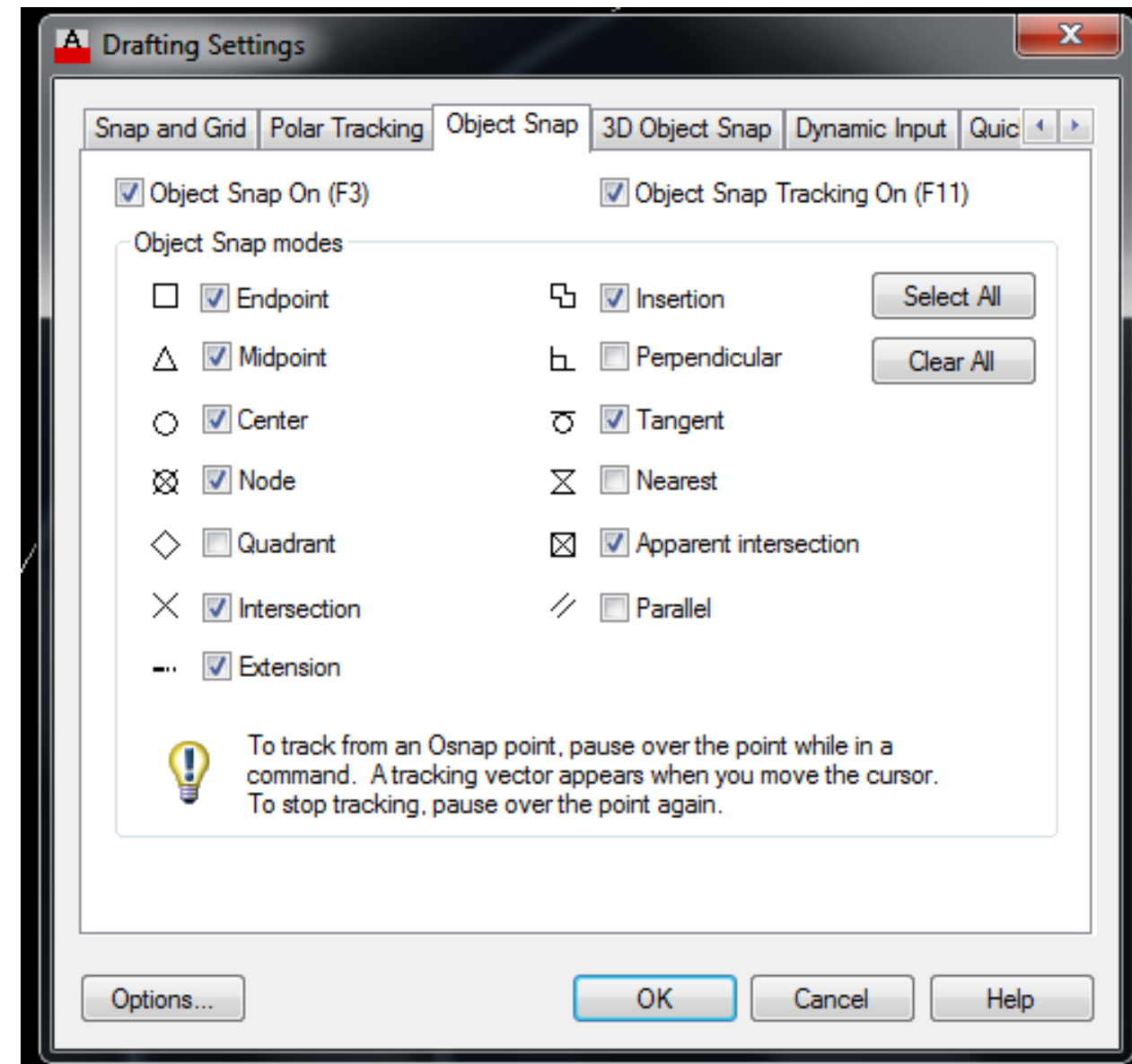
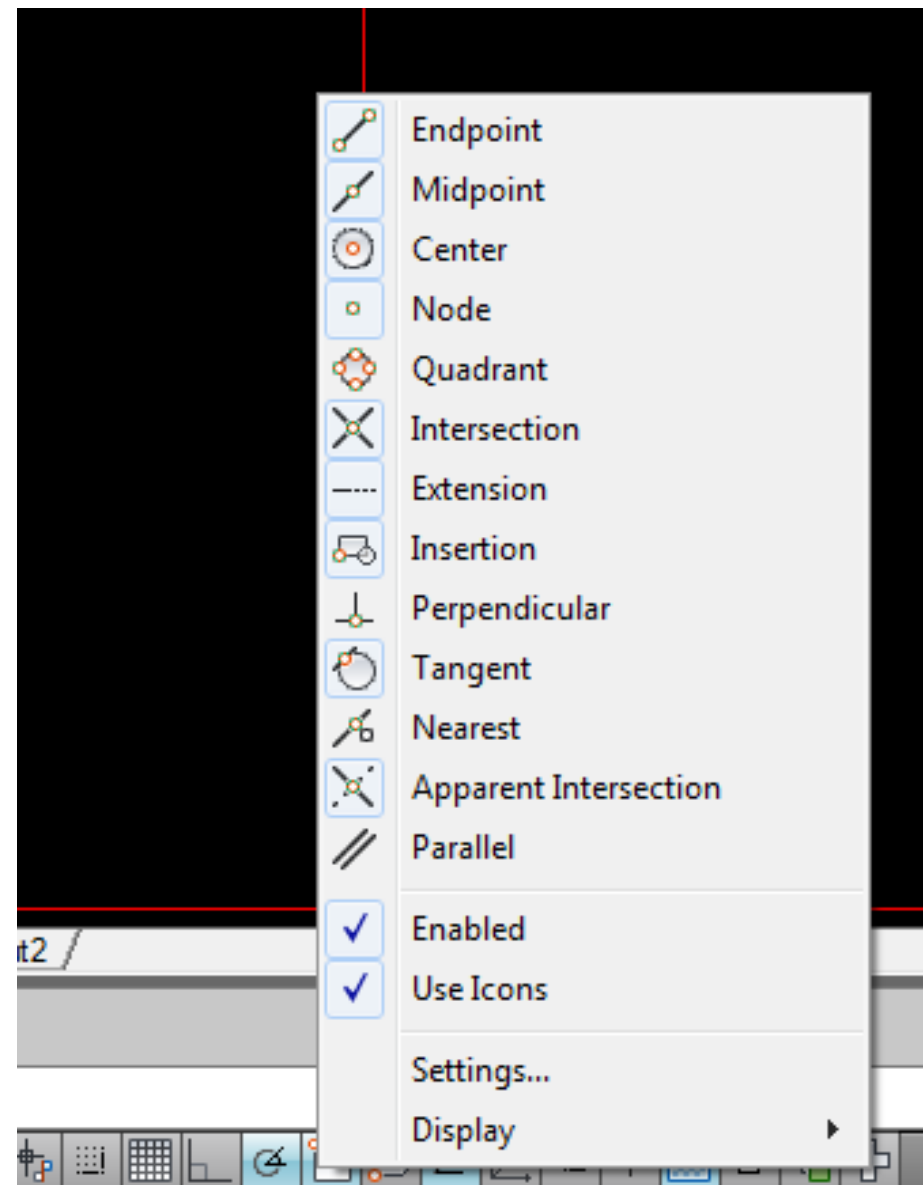
SPECIAL CHARACTER

DRAWING AIDS

OBJECT SNAP, EASE OF DRAWING (F3)



NOTES :



EDIT COMMANDS 1

COMMON AUTOCAD EDIT COMMANDS IN PROJECT DRAWING

MOVE

COPY

OFFSET

EXTEND

TRIM

MIRROR

ROTATE

SCALE

EDIT COMMANDS 2

COMMON AUTOCAD EDIT COMMANDS IN PROJECT DRAWING

BREAK

FILLET

CHAMFER

ARRAY

ADVANCE POLYLINE

COMMON AUTOCAD EDIT COMMANDS IN PROJECT DRAWING

POLYLINE OPTIONS

EDITING POLYLINE

POLYLINE IN ELECTRICAL DRAWING

BLOCK & ATTRIBUTE

SYMBOLS IN PROJECT DRAWING

CREATING SYMBOL

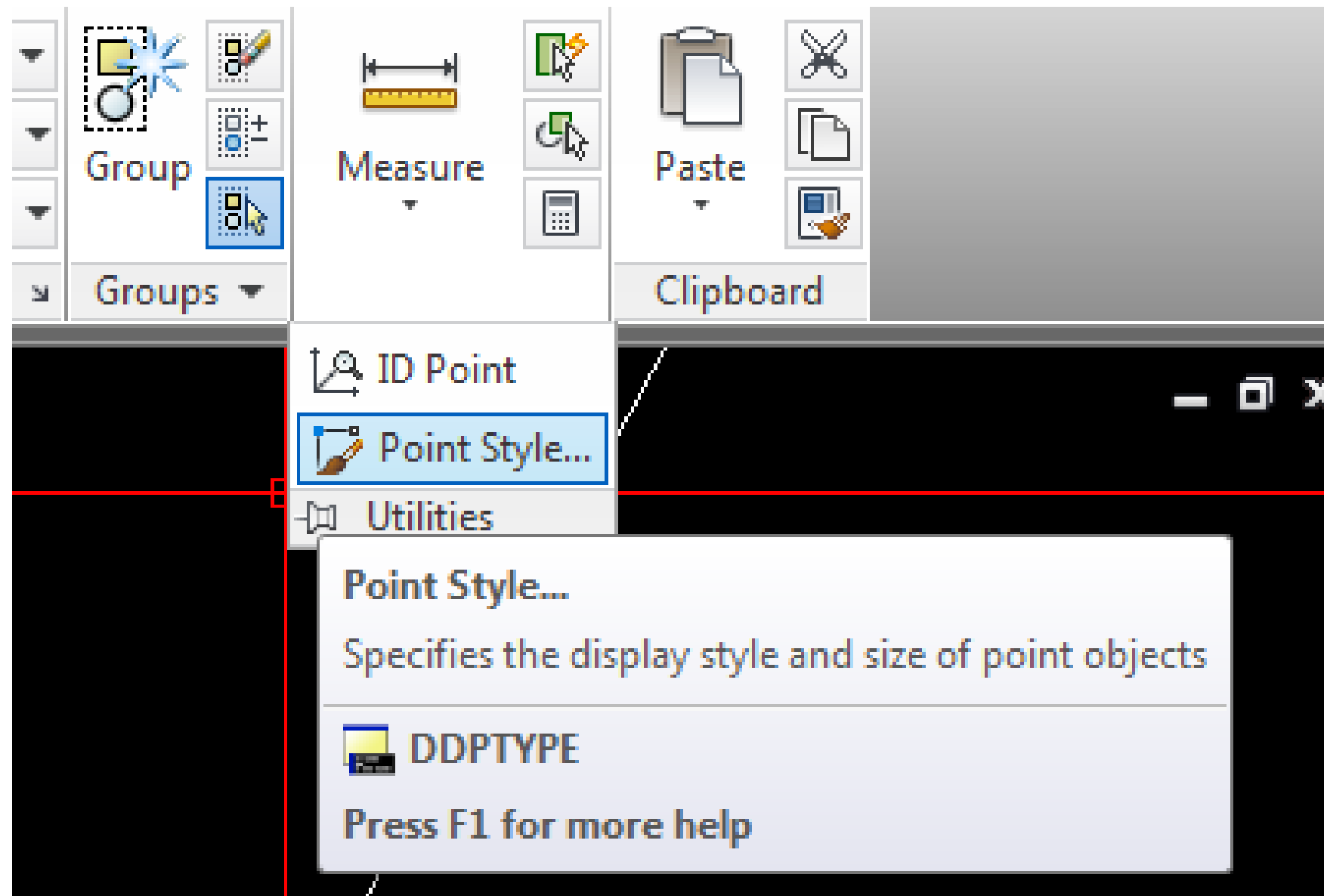
ATTRIBUTE IN SYMBOL

CROSSHATCHING

PASTE AS BLOCK

POINT, DEVIDE, MEASURE

ELECTRICAL POINTS ARRANGEMENT IN PROJECT DRAWING



NOTES :

LAYERS MANAGEMENT

MANAGING LAYERS IN PROJECT DRAWING

LAYERS IN ARCHITECT
DRAWING

ELECTRICAL LAYER

ITEMIZE ELECTRICAL LAYER

ADVANCED SELECTION

ADVANCE SEARCH IN PROJECT DRAWING

GROUP

DRAW ORDER

QUICK SELECT

SEARCH FILTERS

EXTERNAL REFERENCE FILE & ADVANCE COPY&PASTE

SYNCHRONIZING EXTERNAL FILE IN PROJECT DRAWING

EXTERNAL REFERENCE FILE

SPECIAL COPY & PASTE

DIMENSION, LEADER & TABLE

DETAILS IN PROJECT DRAWING

LINEAR

ALIGN

RADIAL

ARC

QLEADER

OPTION MENU & DRAWING UTILITIES

SETTING TO USER PREFERENCE & REMOVE UNUSED DRAWING

DISPLAY

OPEN&SAVE

USER PREFERENCE

DRAFTING

SELECTION

PLOT

SETTING UP PLOTTER

PAGE SETUP

PAPER SIZE SELECTION

WHAT TO PLOT

PLOT STYLE

SHORT-CUT-KEY 1

	Display Help	Toggle text screen	Toggle object snap mode	Toggle 3DOsnap	Toggle Isoplane	Toggle Dynamic UCS	Toggle grid mode	Toggle ortho mode	Toggle snap mode	Toggle polar mode	Toggle object snap tracking	Toggle dynamic input mode			
Esc	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	PrtScn SysRq	ScrLK	Pause Break
~ `	! 1	@ 2	# 3	\$ 4	% 5	^ 6	& 7	* 8	(9	) 0	- _	= +	Backspace	Home	End
Tab	Q QSAVE	W WBLOCK	E ERASE	R REDRAW	T MTEXT	Y	U	I INSERT	O OFFSET	P PAN	{ [	}]	\	Insert	Page Up
Caps Lock	A ARC	S STRETCH	D DIMSTYLE	F FILLET	G GROUP	H HATCH	J JOIN	K	L LINE	:	" ,		Enter	Delete	Page Down
Shift TOGGLE ORTHO MODE	Z ZOOM	X EXPLODE	C CIRCLE	V VIEW	B BLOCK	N NEW	M MOVE	< ,	> .	? /	Shift TOGGLE ORTHO MODE				
Ctrl	Start	Alt							Alt		Ctrl		◀	▼	▶
Q QSAVE / Saves the current drawing. A ARC / Creates an arc. Z ZOOM / Increases or decreases the magnification of the view in the current viewport. W WBLOCK / Writes objects or a block to a new drawing file. S STRETCH / Stretches objects crossed by a selection window or polygon. X EXPLODE / Breaks a compound object into its component objects. E ERASE / Removes objects from a drawing. D DIMSTYLE / Creates and modifies dimension styles. C CIRCLE / Creates a circle. R REDRAW / Refreshes the display in the current viewport. F FILLET / Rounds and fillets the edges of objects. V VIEW / Saves and restores named views, camera views, layout views, and preset views. T MTEXT / Creates a multiline text object. G GROUP / Creates and manages saved sets of objects called groups. B BLOCK / Creates a block definition from selected objects. N NEW / Create a new drawing H HATCH / Fills an enclosed area or selected objects with a hatch pattern, solid fill, or gradient fill. J JOIN / Joins similar objects to form a single, unbroken object. M MOVE / Moves objects a specified distance in a specified direction. I INSERT / Inserts a block or drawing into the current drawing. O OFFSET / Creates concentric circles, parallel lines, and parallel curves. L LINE / Creates straight line segments. P PAN / Adds a parameter with grips to a dynamic block definition.															

SHORT-CUT-KEY 2

Manage Screen

Ctrl+0 (zero)	Clean Screen
Ctrl+1	Property Palette
Ctrl+2	Design Center Palette
Ctrl+3	Tool Palette
Ctrl+4	Sheet Set Palette
Ctrl+6	DBConnect Manager
Ctrl+7	Markup Set Manager Palette
Ctrl+8	Quick Calc
Ctrl+9	Command Line

SHORT-CUT-KEY 3

Manage Drawings

Ctrl+N	New Drawing
Ctrl+S	Save drawing
Ctrl+O	Open drawing
Ctrl+P	Plot dialog box
Ctrl+Tab	Switch to next
Ctrl+Shift+Tab	Switch to previous drawing
Ctrl+Page Up	Switch to previous tab in current drawing
Ctrl+Page Down	Switch to next tab in current drawing
Ctrl+Q	Exit
Ctrl+Shift+S	Save drawing as

SHORT-CUT-KEY 4

Manage Workflow

Ctrl+A	Select all objects
Ctrl+C	Copy object
Ctrl+K	Insert hyperlink
Ctrl+X	Cut object
Ctrl+V	Paste object
Ctrl+Shift+C	Copy to clipboard with base point
Ctrl+Shift+V	Paste data as block
Ctrl+Z	Undo last action
Ctrl+Y	Redo last action
Ctrl+[	Cancel current command (or ctrl+\)
ESC	Cancel current command

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