

# General CADD Command List

Commands are listed in alphabetical order.

Page-1 of 15

This is a working spread sheet for developing and testing General CADD Pro's commands.

## Column B— Key to the GCP Native Commands:

**Black** letters are commands similar to Generic CADD v6.

**Blue** letters are commands & features new to GCP.

The ?? black double question marks are commands planned to be supported as GCP develops.

**Orange** letters identify Toggle [on/off] or Option Settings commands.

The n/s means these are Generic commands for which there seems no reason to support in GCP.

**Green** indicates wish list commands for possible features in future versions of GCP.

**Brown** indicates an active command that is not on the pull-down menus.

**3D** indicates reserved commands from the *3D Concepts* Windows 3.11 program.

## Column C— Modifiers & Nestable Commands:

A Angle by example. 2-point polar.

V Vertex angle by example. 3-point.

D Distance by example.

N Command that may be Nested within other commands.

= Match entity properties.

,< Direct command line entry of an angle.

@ Direct next point placement @ relative coordinates.

[Tab] key Enter, PU, Browse file folders.

[Ctrl] key Ortho [on/off] toggle.

**New** indicates a command new to GCP.

**Wish** indicates wish list features.

## Column D— Generic CADD 6.x Commands.

## Column E— 3D Concepts Commands.

## Column F— GCP Commands Mnemonic Descriptions.

## Column G— Drop Down Menus for this version.

The bracketed [**Dimensions DQ**] notation provides an alternate command for those *not shown* on the menus.

Not all the available GCP commands are on these menu but every effort was made to include all the program features.

[Modifier] is a character that can be used within a GCP command.

[Future?] is a command that may be added in future releases of GCP.

[3D] is a command used only in the 3D Concepts program. [**Settings DI**] a command common with 2D.

The | indicates a branching command's 3rd character and refers to the 2-letter command above.

The — is an unusable Generic command.

## Column F: Generic CADD version 6.x Side Menus.

### Notes:

Windows style **Drop-Down Menus** are included to enable immediate productivity for **new users** of the General CADD Pro program.

Effort was made to avoid duplicating program functions in these menus.

The two letter **Native** commands are shown on all menus.

The mnemonic descriptions make remembering the Native commands easier.

Most sub-menus have been eliminated to speed up command entry.

Please feel free to contact me with suggestions or to report errors or typos.

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	Cmd (N)estable	Cmd	Cmd	Mnemonic Description	GCP Menus	GC6 SideMenu
<b>A</b>	(A)	(A)		Azimuth [angle value] of a line	[Modifier]	
	<b>A1</b> <b>New</b>	n/s		Aligned linear dimension	Dimensions	
	A2	A2		Arc 2 [Center Start End]	Draw	DRAW
	A3	A3		Arc 3 [Start Midpoint End]	Draw	DRAW
	A4	A4		Arc 4 [Center Start Midpoint End]	Draw	
	<b>A5</b> <b>New</b>	n/s		Arc 5 [tangent arcs]	Draw	
	??	AA		digitizer Active Area	[Future?]	MENUS
	[3d]	n/s	AA	Align plAne view	[3D]	
	<b>AB</b> <b>New</b>	n/s		Arc to Bezier curve	Utilities	
	??	AC		Attribute Create	[Future?]	ATTRIBUTES
	[3d]	n/s	AC	display Absolute Coordinate	[3D]	
	??	AD		Attribute Display	[Future?]	
	[3d]	n/s	AD	Angle display in Decimals	<b>[Settings NF]</b>	
	??	AE		Attribute Edit	[Future?]	ATTRIBUTES
	<b>AF</b>	AF		Automatic Fillet lines <b>[on/off]</b>	Snaps/Trims	TRIMS
	<b>AG</b> <b>Wish</b>	n/s		All layer Groups edit <b>[on/off]</b>	[Future?]	
	<b>AL</b> <b>(N)</b>	AL	AL	All Layers edit <b>[on/off]</b>	Layer	LAYERS
	[3d]	n/s	AM	Angle display in Minutes	<b>[Settings NF]</b>	
	<b>(,&lt;)</b> <b>(N)</b>	<b>(,&lt;)</b>		,< direct entry of azimuth angle	[Modifier]	
	[3d]	n/s	AN	precision Align to plAne	[3D]	
	[3d]	n/s	AP	All Planes	[3D]	
	<b>AR</b>	AR		dimension ARrow settings	<b>[Dimensions DQ]</b>	
	??	<b>(N)</b> AS		Attribute Settings	[Future?]	ATTRIBUTES
	[3d]	n/s	AS	Add to Shape	[3D]	
	<b>(@)</b> <b>New</b>	n/s		place next point @ relative x,y coordinate	[Modifier]	
	??	AT		Attribute Attach	[Future?]	ATTRIBUTES
	??	AV		Active View in multiple viewports	[Future?]	
	n/s	AW		Arrow Switch	<b>[Dimensions DQ]</b>	
	AX	AX		Angular eXtension	Dimensions	DIMENSIONS
<b>B</b>	<b>BA</b> <b>New</b>	n/s		Bezier curve to Arcs	Utilities	
	[3d]	n/s	BC	Background Color	<b>[Settings DI]</b>	
	<b>BD</b> <b>New</b>	n/s		Batch/macro Debugger [dialog box]	Utilities	
	n/s	BE		Bezier Edit	<b>[Edit MP]</b>	EDITS
	BF	BF		Boundary Fill	Text/Fill/Hatch	HATCH/FILL
	BH	BH		Boundary Hatch	Text/Fill/Hatch	
	??	BI		Create Bill of Material	[Future?]	UTILITIES
	[3d]	n/s	BO	BOx tool	[3D]	
	BP	BP	BP	set Base Point	Settings	
	<b>BQ</b> <b>New</b>	n/s		B-spline Quadratic curve	Draw	
	<b>BR</b> <b>(N)</b>	BR	BR	Backward Redraw <b>[on/off]</b>	Zooms	ZOOMS
	<b>BS</b>	BS		Batch Save [SElect by: ]	<b>[Utilities SB]</b>	UTILITIES
	BV	BV	BV	Bezier curVes continuous	Draw	DRAW
	BW	BW		Bezier draW single	Draw	DRAW
<b>C</b>	C2	C2	C2	Circle 2-Point	Draw	DRAW
	C3	C3		Circle 3-point	Draw	DRAW
	CA	<b>(N =)</b> CA		ChAmfer set distances	Snaps/Trims	TRIMS
	[3d]	n/s	CA	Component Align to plane	[3D]	
	CC	CC	CC	Component Create [SElect by: ]	Component	COMPONENTS
	CD	CD	SD	Component Dump [save to disk]	Component	COMPONENTS
	CE	CE	CE	Component Explode	Component	COMPONENTS
	<b>CF</b> <b>(N)</b>	CF		Cursor Free <b>[on/off]</b>	Settings	CONSTRAINTS
	CG	<b>(=)</b> CG		ChanGe properties [branching]	Edits	EDITS
	CG, Y	CG, Y		CG laYer		
	CG, C	CG, C		CG Color		

CG, T		CG, T		<b>CG Type</b>		
CG, W		CG, W		<b>CG Width</b>		
<b>CG, A</b>	<b>New</b>	n/s		<b>CG All properties</b> [pick object to match]		
CH		CH		<b>CHamfer lines</b>	Snaps/Trims	TRIMS
<b>CI</b>		CI		<b>Component explode Image</b> [on/off]	Component	COMPONENTS
[3d]		n/s	CI	<b>Create Intersection</b>	[3D]	
CK		CK		<b>Cursor Kolor</b> [value]	Settings	
CL		CL	CL	<b>Component Load</b> [directory]	Component	
n/s		CM		<b>Cursor Movement</b> always [on] in GCP	n/s	CONSTRAINTS
CN	(=)	CN		<b>Component replace with New</b>	Component	COMPONENTS
CO		CO	CO	<b>Copy Object</b> [SElect by: ]	Edits	EDITS
<b>Copy</b>		n/s		<i>Windows Select &amp; Copy</i>	Edits	
CP	(=)	CP	CP	<b>Component Place</b> [name or list box]	Component	COMPONENTS
<b>CQ</b>		n/s		<b>Component Query</b> [list box]	Component	
CR	(A V N =)	CR	CR	<b>Component Rotation</b> [value]	Component	COMPONENTS
CS	(N)	CS		<b>Color Settings</b> [branching]	Settings	DISPLAY
??		CS, A		<b>CS Attributes</b> [value]		
CS, D		CS, D		<b>CS Dimension</b> [value]		
CS, F		CS, F		<b>CS Fill</b> [value]		
CS, H		CS, H		<b>CS Hatch</b> [value]		
CS, L		CS, L		<b>CS Line</b> [value]		
CS, T		CS, T		<b>CS Text</b> [value]		
[3d]		n/s	CS	<b>Component Save</b>	<b>[Component CD]</b>	
<b>CT</b>		n/s		<b>ConverT data</b> [dialog box]	Utilities	
<b>CT, A</b>	<b>Wish</b>			<b>Autocad</b> (*.SHX)		
<b>CT, C</b>				<b>Components</b> (*.CMP)		
<b>CT, F</b>				<b>Fonts</b> (*.FNT)		
<b>CT, G</b>	<b>Wish</b>			<b>General</b> (*.GXF) to .SHX		
<b>CT, H</b>				<b>Hatches</b> (*.HCH *.PAT)		
<b>CT, I</b>				<b>TrueType fonts</b> (*.TTF)		
[3d]		n/s	CT	<b>Components list</b>	<b>[Component CQ]</b>	
[Ctrl]		[Ctrl]		[Ortho and add to selection]	[Key Command]	
CU		CU		<b>CUrsor size</b> [value]	Settings	
<b>Cut</b>		n/s		<i>Windows Select &amp; Cut</i>	Edits	
CV		CV		spline <b>CurVe</b>	Draw	DRAW
<b>CW</b>		CW		<b>Component Window create</b>	<b>[Component CC]</b>	COMPONENTS
CX	(=)	CX	CX	<b>Component eXpurge</b> [remove]	Component	COMPONENTS
[3d]		n/s	CY	<b>CYlinder tool</b>	[3D]	
CZ	(N =)	CZ	CZ	<b>Component siZe</b> [scale]	Component	COMPONENTS
<b>D</b>		(D)		draw line for <b>Distance</b> reqd	[Modifier]	
[3d]		n/s	D2	load <b>Drawing 2D</b>	[3D]	
??		DA		<b>Drawing Align</b>	File	MENUS
DB	(N)	DB		<b>DouBle line settings</b> [branching]	Draw	DRAW
<b>DB, A</b>				<b>DB Auto fillet</b> [on/off]		
DB, F				<b>DB Fillet radius</b> [value]		
DB, L				<b>DB Left offset</b> [value]		
DB, R				<b>DB Right offset</b> [value]		
<b>DB, S</b>				<b>DB Solid fill</b> [on/off]		
DC	(N)	DC	DC	<b>Display Coordinates</b> [branching]	Settings	DISPLAY
<b>DC, A</b>				<b>DC Absolute mode</b> [on]		
<b>DC, B</b>				<b>DC Basepoint mode</b> [on]		
<b>DC, C</b>	<b>wish</b>			<b>DC Coordinates</b> [Map/Polar/XY]		
<b>DC, R</b>				<b>DC Relative mode</b> [on]		
<b>DD</b>		DD		<b>Dimension Display</b> [on/off]	<b>[Dimensions DQ]</b>	
??		DE		attribute <b>DE</b> tach	[Future?]	ATTRIBUTES

[3d]	n/s	DE	Decimal mode	[Settings US]	
<b>DF</b>		DF	Display Fills <b>[on/off]</b>	Text/Fill/Hatch	
DG	(=)	DG	Drawing chanGe [branching]	Quick Edits	SHORTCUTS
DG, C		DG, C	<b>DG</b> Color [value]		
DG, T		DG, T	<b>DG</b> Type [value]		
DG, W		DG, W	<b>DG</b> Width [value]		
DG, Y		DG, Y	<b>DG</b> laYer [value]		
<b>DG, A</b>	<b>New</b>	n/s	<b>DG</b> All [pick object to match]		
<b>DH</b>		DH	Display Hatches <b>[on/off]</b>	[Text/Fill/Hatch HS]	
[3d]	n/s	DH	Display Hidden line view	[3D]	
DI		DI	DIisplay settings [branching]	Settings	DISPLAY
<b>DI, B</b>	<b>New</b>		<b>DI</b> Background <b>[black/white]</b>		
DI, C			<b>DI</b> Cursor color [value]		
<b>DI, D</b>	<b>New</b>		<b>DI</b> rubberband color		
<b>DI, H</b>	<b>New</b>		<b>DI</b> Highlight color [value]		
<b>DI, M</b>	<b>New</b>		<b>DI</b> Menu tips <b>[on/off]</b>		
<b>DI, O</b>	<b>New</b>		<b>DI</b> pOint size [value]		
<b>DI, P</b>	<b>New</b>		<b>DI</b> cursor Prompt <b>[on/off]</b>		
<b>DI, R</b>	<b>New</b>		<b>DI</b> Rotate cursor <b>[on/off]</b>		
DI, T			<b>DI</b> Tandem cursor <b>[on/off]</b>		
DI, Z			<b>DI</b> cursor siZe [value]		
[3d]	n/s	DI	Drag Image	[Settings OD]	
[3d]	n/s	DJ	quick align to plane	[3D]	
<b>DK</b>	<b>New</b>	n/s	Drawing Klean	Utilities	
n/s		DK	Display background Kolor	[Settings DI]	
DL		DL	Drawing Load [directory list box]	Eile	
??		DM	Digitizer Menu	[Future?]	MENUS
DN		DN	Drawing reName	File	FILE
DO		DO	Drawing reOrigin	Quick Edits	UTILITIES
DP		DP	Drawing Print/Plot [branching]	File	FILE
<b>DP, P</b>			<b>DP</b> outPut to <b>[printer/plotter]</b>		
DP, U			<b>DP</b> setUp [printer or plotter dialog box]		
DP, C			<b>DP</b> Center on page		
DP, F			<b>DP</b> Fit to page		
DP, O			<b>DP</b> Origin [set]		
<b>DP, R</b>			<b>DP</b> Rotate 90 <b>[on/off]</b>		
DP, S			<b>DP</b> Scale [ratio]		
DP, T			<b>DP</b> opTion settings		
			All colors to black <b>[on/off]</b>		
			Boldness value [line width]		
			Copies [number. of]		
			Rotation angle [degrees]		
DP, Z			<b>DP</b> Zooms		
<b>DQ</b>	<b>New</b>	n/s	Dimension Query [dialog box]	Dimensions	
DR	(A V =)	DR	Drawing Rotate [value]	Quick Edits	SHORTCUTS
DS		DS	Drawing Save [directory list box]	File	
<b>DT</b>		DT	Dimension Text [branching]	[Dimensions DQ]	
<b>DT, C</b>			<b>DT</b> Centered <b>[on/off]</b>		
<b>DT, D</b>			<b>DT</b> Direction <b>[aligned/horizontal]</b>		
DT, O			<b>DT</b> Offset [values]		
<b>DT, P</b>			<b>DT</b> Placement <b>[in/above]</b> line		
DT, T			<b>DT</b> Tolerance [values]		
<b>DT, Y</b>			<b>DT</b> displaY <b>[on/off]</b>		
DU		DU	Definitions Unload [branching]	Utilities	FILE

DU, C			<b>DU</b> Component		
DU, L			<b>DU</b> all		
DU, T			<b>DU</b> Text		
<b>DV</b>	DV	DV	Decimal place Value	<b>[Settings NF]</b>	
DX	DX		Drawing eXpurge [remove]	Quick Edits	FILE
DZ	DZ		Drawing siZe [re-scale]	Quick Edits	SHORTCUTS
<b>E</b>	[=]	[=]	equal key [like existing object]	[modifier]	
<b>EA</b>	wish	n/s	Elliptical Arc	[Future?]	
	n/s	EB	Estimate Boundry length	—	Level-3
	n/s	EC	Estimate Components # of each	—	Level-3
<b>EF</b>		EF	Entity Filter <b>[on/off]</b> [branching]	Utilities	UTILITIES
			[Select from 13-Entities, All & Like]		
EL	EL	EL	Erase Last	Edit	EDITS
EN	EN		save current ENvironment to .CFG file	File	FILE
[Enter]	[Enter]		Pen Down, Enter, or Text Return	[Keyboard]	
!	!		Batch File [Enter] Command	[Macro]	
EP	EP		EllIPse	Draw	DRAW
ER	ER	ER	ERase [SElect by: ]	Edit	EDITS
	n/s	ES	macro EEscape Command	[Macro #]	Level-3 Command
[Esc]	[Esc]		Escape Command	[Keyboard]	
#	#		Batch File Escape Command	[Macro]	
EX	EX		EXplode object	Edit	UTILITIES
<b>Exit</b>	New	n/s	File menu pick: <b>Exit</b> program	File	
[3d]		EX	EXtrude	[3D]	
<b>F F1 Key</b>	New		HElp [can be reprogrammed in MA]	Help [F1 Default]	
FA	FA		FAst properties [branching]	Settings	DISPLAY
<b>FA, D</b>			FA Disable line types <b>[on/off]</b>		
<b>FA, F</b>			FA display Fills <b>[on/off]</b>		
<b>FA, H</b>			FA display Hatches <b>[on.off]</b>		
<b>FA, L</b>			FA Layer update <b>[on/off]</b>		
<b>FA, O</b>			FA display filled fOntS <b>[on/off]</b>		
<b>FA, T</b>			FA fast Text <b>[on/off]</b>		
<b>FA, W</b>			FA disable line Width <b>[on/off]</b>		
<b>FB</b>	New	n/s	File Bug report or suggestions	Help	
FC	FC		Fill Color	Text/Fill/Hatch	HATCH/FILL
[3d]	n/s	FC	FaCets number of	[3D]	
<b>FD</b>	FD		File Directory [directory list box]	<b>[Utilities FP]</b>	
FF	FF		Fitted Fill	Text/Fill/Hatch	HATCH/FILL
FH	FH		Fitted Hatch	Text/Fill/Hatch	
<b>FI</b>	FI		FIllet	<b>[Snaps/Trims FL]</b>	TRIMS
[3d]	n/s	FI	Feet Inches	<b>[Settings US]</b>	
FK	FK		Fill Kolor	Text/Fill/Hatch	
FL	FL		FiLlet [add arc to lines]	Snaps/Trims	
FP	FP		File Paths [branching]	Utilities	FILE
FP, A	[Tab]		FP Autocad DWG	[Tab browses folders]	
FP, B	[Tab]		FP Batch		
FP, C	[Tab]		FP Component <b>GXC</b>		
<b>FP, D</b>	[Tab]	n/s	FP Drawing GXD		
FP, F	[Tab]	FP, F	FP Font <b>GXF</b>		
FP, G	[Tab]	FP, G	FP Generic GCD		
??		FP, H	FP Hatch		
??		FP, I	FP mIsc DOC/TPR		
<b>FP, L</b>	[Tab]		FP Lock path <b>[on/off]</b>		
FP, M	[Tab]		FP Menu		

<b>FP, P</b>	[Tab]	n/s		<b>FP Plot</b>		
FP, S	[Tab]			<b>FP Shell EXE</b>		
FP, X	[Tab]			<b>FP dwg eXchange format DXF</b>		
FR	(D =)	FR		<b>Fillet Radius</b> [value]	Snaps/Trims	TRIMS
[3d]		n/s	FR	<b>FRactions</b>	[Settings US]	
<b>FS</b>		FS		<b>Font Select</b> [Side Menu]	[Text/Fill/Hatch TS]	
[3d]		n/s	FT	<b>FeeT</b>	[Settings US]	
<b>FV</b>		n/s	FV	<b>Fractional Value</b> [set units to]	[Settings Units »]	
<b>G</b>		n/s	G1	About Generic Cadd	—	
<b>GC</b>	(N)	GC		<b>Grip Component points</b> [on/off]	Component	COMPONENTS & SNAPS
[3d]		n/s	GC	object <b>Group Current</b>	[3D]	
<b>GD</b>	Wish	n/s		layer <b>Group Display</b> [on/off]	[Future?]	
[3d]		n/s	GD	object <b>Group Define</b>	[3D]	
<b>GG</b>		n/s		macro de-bu <b>GGer</b> [dialog box]	[Utilities DB]	
<b>GH</b>	Wish	n/s		layer <b>Group Hide</b> [on/off]	[Future?]	
<b>GM</b>	Wish	n/s		layer <b>Group Manager</b> [side dialog]	[Future?]	
<b>GN</b>	Wish	n/s		layer <b>Group Name</b>	[Future?]	
GO		GO	GO	<b>Grid reOrigin</b>	Settings	CONSTRAINTS
<b>GR</b>	(N)	GR	GR	<b>GRid display</b> [on/off]	Settings	CONSTRAINTS
GS	(D)	GS	GS	<b>Grid Size</b> [value]	Settings	CONSTRAINTS
<b>H</b>		[3d]	n/s	H0	Hidden view Zero [off]	[3D]
<b>HI</b>		n/s		<b>Horizontal linear dimension</b>	Dimensions	
<b>HC</b>		HC		<b>Hatch Color</b> [side menu]	[Text/Fill/Hatch HS]	
<b>HD</b>		n/s		<b>Hatch seed</b>	Text/Fill/Hatch	
HE		HE		<b>HElp</b>	Help	
<b>HG</b>	Wish			<b>Hatch Change</b>	[Future?]	
<b>HI</b>	(N)	HI	HI	<b>HIghlight selection</b> [on/off]	Settings	DISPLAY
<b>HK</b>		HK		<b>Hatch Kolor</b>	[Text/Fill/Hatch HS]	
[3d]		n/s	HL	<b>Hidden Line view create</b>	[3D]	
<b>HN</b>		HN		<b>Hatch Name pattern</b>	[Text/Fill/Hatch HS]	
<b>HO</b>	New	n/s		<b>Hatch Origin</b>	Text/Fill/Hatch	
[3d]		n/s	HO	<b>HOle tool</b>	[3D]	
<b>HR</b>		HR		<b>Hatch Rotation</b>	[Text/Fill/Hatch HS]	
HS		HS		<b>Hatch/fill Settings</b> [branching]	Text/Fill/Hatch	
<b>HS, B</b>		HS, B		<b>HS Boundry</b> [on/off]		
HS, C		HS, C		<b>HS hatch Color</b> [select]		
<b>HS, D</b>		HS, D		<b>HS Display hatch</b> [on/off]		
<b>HS, I</b>	New	n/s		<b>HS display fill</b> [on/off]		
<b>HS, O</b>	New	n/s		<b>HS fill cOlor</b> [select]		
HS, P		HS, P		<b>HS hatch Pattern</b> [select name]		
HS, R		HS, R		<b>HS hatch Rotation</b> [set]		
HS, S		HS, S		<b>HS hatch Scale</b> [set]		
[3d]		n/s	HV	<b>Hidden View screen</b>	[3D]	
[3d]		n/s	HX	<b>Hidden line view eXpurge</b>	[3D]	
<b>HZ</b>		HZ		<b>Hatch siZe</b> (scale)	[Text/Fill/Hatch HS]	
<b>I</b>		[3d]	n/s	IN	<b>INch</b> [set units to]	[Settings US]
<b>IM</b>		n/s		<b>IMport file</b> [folder list box]	File	
IP		IP	IP	<b>Insertion Point</b>	Components	
IT		IT		<b>Intersection Trim</b>	Snaps/Trims	TRIMS
IX		IX		<b>dIameter</b> [pick point on arc or circle]	Dimensions	DIMENSIONS
IY		IY		<b>dIameter</b> [pick centerof arc or circle]	Dimensions	
<b>J</b>		<b>JO</b>	Wish	n/s	<b>JOin</b> [entities into 1-object]	[Future?]
		<b>JC</b>	Wish	n/s	<b>Joined entity Close contour</b>	[Future?]
<b>K</b>		[3d]	n/s	KA	<b>Kursor Aline to plane</b>	[3D]

	<b>KF</b>		KF		<b>Kursor Free [on/off]</b>	<b>[Settings CF]</b>	
	[3d]		n/s	KN	Cone Tool	[3D]	
	<b>KT</b>		KT		Intersection Trim	<b>[Snaps/Trims IT]</b>	
<b>L</b>	L1	(,<)	L1		Line 1-segment [useful in macros]	Draw	DRAW
	L2		L2		Lines 2-parallel	Drsw	DRAW
	LA		LA		Load ASCII text file	Text/Fill/Hatch	TEXT & CONVERT
	LB		LB		Load Batch file	Utilities	
	LC	(N=)	LC		Line Color	Draw » Properties	DISPLAY
	??		LD		Load Digitizer menu	[Future?]	MENUS
	LD		n/s		LeaDer pick first	Dimensions	
	LE		LE		LEader text first	Dimensions	DIMENSIONS
	[3d]		n	LE	Line Extrude tool	[3D]	
	<b>LF</b>	<b>New</b>	n/s		Load Font [edit/create]	Utilities	
	<b>LG</b>	<b>Wish</b>	n/s		Layer Group current	[Future?]	
	LI	(,<)	LI	LI	LIines [chained segments]	Draw	DRAW
	<b>LJ</b>	<b>Wish</b>	n/s		Lines Joined [as 1-object]	[Future?]	
	<b>LK</b>		LK	LK	Line Kolor	<b>[Draw » Property LC]</b>	
	LL	(N=)	LL		shouLder Length	Dimensions	DIMENSIONS
	<b>LM</b>	<b>New</b>	n/s		Layer Manager [side table]	Layer	
	LO		LO		LOad file [branching]	File	FILE
	LO, A		LO, A		LO AutoCAD dwg file		
	LO, B		LO, B		LO Batch/macro file		
	LO, C		LO, C		LO Component gxc file		
	LO, D	<b>New</b>	n/s		LO Drawing gxd file		
	LO, G	<b>New</b>	LO, D		LO Generic gcd file		
	LO, ?		LO, I		LO Image file	[Future?]	
	LO, S		LO, S		LO aScii txt file		
	LO, ?		LO, T		LO Load aTtribute	[Future?]	
	LO, U	<b>New</b>	n/s		LO Units setting for dwg & dxf		
	LO, X		LO, X		LO autocad dXf file		
	<b>LR</b>	<b>Wish</b>	n/s		Layer Revise matrix [branching]	[Future?]	
	<b>LR, C</b>				LR Copy data to selected layer		
	<b>LR. M</b>				LR Move data to selected layer		
	<b>LS</b>		LS	LS	Limits Set zooms	<b>[Zooms SL]</b>	UTILITIES
	LT	(N=)	LT		Line Type	Draw » Properties	DISPLAY
	LV		LV		Load Video menu	File	MENUS
	LW	(N)	LW		Line Width	Draw » Property	DISPLAY
	LX		LX		Linear eXtension	Dimensions	
	LZ	(N=)	LZ		Linetype siZe [scale]	Draw	DISPLAY
<b>M</b>	MA		MA		Macro Assign to F-keys & Buttons	Utilities	UTILITIES
	[3d]		n/s	MA	Measure Angle	<b>[Utilities ME]</b>	
	<b>MB</b>	(N)	MB	MB	Manual entry Basepoint mode [on]	Settings	CONSTRAINTS
	<b>MC</b>	<b>Wish</b>	n/s		Manual entry Coord.[map/polar/XY]	[Future?]	
	[3d]		n/s	MC	Metric Centimeters	<b>[Settings US]</b>	
	MD		MD	MD	Measure Distance	Utilities	
	ME		ME		MEasure [branching]	Utilities	UTILITIES
	ME, 2				ME 2-point angle		
	ME, 3				ME 3-point angle		
	ME, A				ME Area		
	ME, D				ME Distance		
	MH	(N)	MH		MatcH parameters (=)	Draw	TEXT & UTILITIES
	MI		MI		MIrror copy	Edit	EDITS
	<b>MM</b>	<b>wish</b>	n/s		Manual entry survey Map [on]	[Future?]	
	[3d]		MM	MM	Level-3 MiliMeter [set units to]	<b>[Settings US]</b>	

<b>MO</b>	(N)	MO	MO	Manual entry absolute Origin [on]	Settings	CONSTRAINTS
MP		MP	MP	Move Point	Edit	EDITS
<b>MR</b>	(N)	MR	MR	Manual entry offset Relative [on]	Settings	CONSTRAINTS
??		MS		Multi-line Settings	[Future?]	DRAW
MT		MT		Multi Trim or extend lines	Snaps/Trims	TRIMS
[3d]		n/s	MT	MeTer units	[Settings US]	
??		MU		draw MUlti-lines	[Future?]	DRAW
MV		MV	MV	MoVe [SElect by:]	Edit	EDITS
MX		MX		Multi eXtend or trim lines	Snaps/Trims	TRIMS
<b>N</b>		NF	NF	Numeric Format [branching]	Settings	DISPLAY
<b>NF, A</b>				NF Angular [deg/deg:min:sec]		
NF, D				NF Decimal [value]		
NF, F				NF Fractional [value]		
<b>NF, H</b>				NF show dasH [on/off]		
<b>NF, L</b>				NF Linear [decimal/fractions]		
<b>NF, P</b>				NF aPply to dimensions [on/off]		
<b>NF, S</b>				NF Show units [on/off]		
<b>NF, Z</b>				NF leading Zeros [on/off]		
NL		NL		snap to Nearest Line [object]	[Snaps/Trims SO]	
<b>NP</b>	(N)	NP	NP	snap Nearest Point [Right Button]	[Snaps/Trims SC]	
NV		NV		Name View	Zooms	ZOOMS
NX		NX		Named view eXpurge [delete]	Zooms	ZOOMS
<b>O</b>		OA (A V D =)	OA	Ortho Angle	Settings	CONSTRAINTS
OB		OB	OB	Object Break	Quick Edits	EDITS
OC		OC		Object Copy	Quick Edits	SHORTCUTS
<b>OD</b>	(N)	OD		Object Drag image [on/off]	Settings	DISPLAY
OE		OE		Object Erase	Quick Edits	SHORTCUTS
OF		OF		Object Fill	Text/Fill/Hatch	HATCH/FILL
OG	(=)	OG		Object chanGe properties [branching]	Quick Edits	SHORTCUTS
OG, Y		OG, Y		OG laYer		
OG, C		OG, C		OG Color		
OG, T		OG, T		OG Type		
OG, W		OG, W		OG Width		
<b>OG, A</b>	New	n/s		OG All properties [pick object to match]		
OH		OH		Object Hatch	Text/Fill/Hatch	
OI		OI		Object Information	Utilities	UTILITIES
OM		OM		Object Move	Quick Edits	SHORTCUTS
OO		OO	OO	OOps! [undo last]	Edit	EDITS
<b>OR</b>	(N)	OR	OR	ORtho mode [on/off]	Settings	CONSTRAINTS
<b>OS</b>	wish			Ortho detent Stops [90°/45°/30°/15°]	[Future?]	
<b>OX</b>	New	n/s		Object eXplode	Quick Edits	
<b>P</b>		P1		Path-1 drawing GXD	[Utilities FP]	
<b>P2</b>		P2		Path-2 component GXC	[Utilities FP]	
<b>P3</b>		P3		Path-3 font GXF	[Utilities FP]	
<b>P4</b>	New			Path-4 generic GCD	[Utilities FP]	
<b>P5</b>	New			Path-5 autocad DWG	[Utilities FP]	
<b>P6</b>	New			Path-6 autocad DXF	[Utilities FP]	
<b>P7</b>	wish			Path-7 batch files	[Future?]	
<b>P8</b>	wish			Path-8 image files	[Future?]	
PA	(N)	PA	PA	PAn	Zooms	ZOOMS
<b>Paste</b>	New	n/s		Windows [clipboard] Paste	Edit	
<b>PC</b>		PC		Points Construction [on/off]	Settings	DISPLAY
PD		PD	PD	Pack file Data	Utilities	FILE
<b>PF</b>		PF		Proximity Fixed [on/off]	Dimensions	DIMENSIONS

	PG		PG	PaGe down in the side video menu	[Side menu]	
	[3d]		n/s	PG PolyGon tool	[3D]	
	PL		PL	Print seLected [SElect by: ]	File	FILE
	[3d]		n/s	PM PyraMid tool	[3D]	
	PO		PO	standard POint +	Draw	DRAW
	<b>PP</b>	<b>New</b>	n/s	ProPerties [dialog box]	Draw	
	<b>PR</b>	<b>(N)</b>	PR	PR Points Reference [on/off]	Settings	DISPLAY
	<b>PS</b>	<b>(N)</b>	PS	PS Points Standard [on/off]	Settings	DISPLAY
	PU		PU	Pen Up [Tab]	Draw	
<b>Q</b>	<b>QC</b>	<b>New</b>	n/s	Query Command list	Help	
	<b>QE</b>	<b>New</b>	n/s	Quick text Edit	Text/Fill/Hatch	
	??	<b>(N)</b>	QP	Quick Pick [on/off]	[Future?]	
	QU		QU	QUit program	File	FILE
<b>R</b>	<b>RO</b>	<b>Wish</b>		Rotate 0 zero angle from default	[Future?]	
	n/s		RA	Set Screen Ratio	—	
	<b>RB</b>		RB	RubberBanding image [on/off]	Settings	DISPLAY
	RC	<b>(A V =)</b>	RC	Radial Copy [Select by: ]	Edit	EDITS
	RD	<b>(N)</b>	RD	RD Redraw Display	Zooms	ZOOMS
	RE		RE	REctangle	Draw	DRAW
	<b>RF</b>	<b>Wish</b>	n/s	Reference Frame link/embed [branching]	[Future OLE?]	
	<b>RF, A</b>			RF Adobe illustrator .ai		
	<b>RF, D</b>			RF Drawing file .gxd		
	<b>RF, H</b>			RF Hypertext .xml .html		
	<b>RF, P</b>			RF Portable document format .pdf		
	<b>RF, R</b>			RF Raster image .gif .jpg .tif		
	<b>RF, S</b>			RF Spreadsheet .xls wk5		
	<b>RF, T</b>			RF Text/Document .txt .doc		
	<b>RF, F</b>			RF Frame outline LC, LT, LW, YC, A		
	n/s		RF	Radius File	<b>[Snaps/Trims FR]</b>	Level-3 Command
	<b>RG</b>	<b>Wish</b>	n/s	Rotate Grid & drawing	[Future?]	
	[3d]		n/s	RL Rotate around Line	[3D]	
	RM		RM	tRiM object	Snaps/Trims	TRIMS
	<b>RN</b>	<b>New</b>	n/s	Restore eNvironmental settings	File	
	RO	<b>(A V =)</b>	RO	ROtate object [SElect by: ]	Edit	EDITS
	RP		RP	Regular Polygon	Draw	DRAW
	<b>RR</b>	<b>Wish</b>	n/s	Right Rotation(clockwise from 0 )	[Future?]	
	RX		RX	Radial dimension inside	Dimensions	DIMENSIONS
	RY		RY	Radial dimension outside	Dimensions	
	??		RZ	Trace siZe scale digitizer	[Future?]	MENUS
<b>S</b>	<b>S2</b>	<b>(N)</b>	n/s	Snap middle of 2-points	Snaps/Trims	
	[3d]		n/s	S2 Save as 2D drawing	[3D]	
	<b>SA</b>		SA	Save As [branching]	<b>[File XP]</b>	FILE
	SA, A		SA, A	SA AutoCAD .dwg		
	SA, B		SA, B	SA Batch .gxm		
	SA, C		SA, C	SA Component .gxc		
	SA, D		SA, D	SA Drawing .gxd		
	SA, I		SA, I	SA Image .bmp .tif .png or .jpg		
	n/s		SA, L	SA Level-3 drawing	—	
	SA, X		SA, X	SA drawing eXchange file .dxf		
	SA, G	<b>New</b>		SA generic friendly dwG file		
	SA, F	<b>New</b>		SA generic friendly dxF file		
	SB		SB	Save as Batch File	Utilities	UTILITIES
	SC	<b>(N)</b>	SC	SC Snap to Closest point	Snaps/Trims	SNAPS
	n/s	<b>(N)</b>	SD	Show Distance	—	CONSTRAINTS

<b>SD</b>	<b>New</b>	n/s		<b>SeeD</b> fill	Text/Fill/Hatch	
SE	(=)	SE		<b>SE</b> lection [typical SElect by: ]	Utilities	UTILITIES
<b>SE, A</b>	<b>New</b>	n/s		<b>SE</b> Allow-R/L -crossing [on/off]		
SE, C		SE, C		<b>SE</b> by Crossing		
SE, D		SE, D		<b>SE</b> Drawing		
SE, F		SE, F		<b>SE</b> with Filter [on/off]		
SE, H		SE, H		<b>SE</b> Highlight selection [on/off]		
<b>SE, I</b>	<b>New</b>	n/s		<b>SE</b> Invert selection		
SE, L		SE, L		<b>SE</b> by Last selection [use 1st]		
<b>SE, N</b>	<b>New</b>	n/s		<b>SE</b> coNnected		
SE, O		SE, O		<b>SE</b> by <b>O</b> bject [default]		
SE, W		SE, W		<b>SE</b> by <b>W</b> indow		
SE, Y		SE, Y		<b>SE</b> by laYer		
<b>SF</b>	<b>New</b>	n/s		Save Font [edit/create]	Utilities	
n/s		SF		Screen Flip	—	UTILITIES
<b>SG</b>	(N)	SG	SG	Snap to <b>G</b> rid [on/off]	Snaps/Trims	CONSTRAINTS
[3d]		n/s	SH	<b>SH</b> ow distance	[3D]	
SH		/SH		<b>SH</b> ell out to .EXE program	Utilities	
				<b>SH</b> Notepad.exe		
				<b>SH</b> Wordpad.exe		
[Shift]		n/s		[Shift] + Right Mouse Button	[Edits Text or Comp]	
SI	(N)	SI		Snap to <b>I</b> ntersection	Snaps/Trims	SNAPS
SL	(N)	SL		Snap paralle <b>L</b>	Snaps/Trims	SNAPS
SM	(N)	SM	SM	Snap to <b>M</b> idpoint	Snaps/Trims	SNAPS
SN	(N)	SN		Snap to ce <b>N</b> ter	Snaps/Trims	SNAPS
SO	(N)	SO		Snap <b>O</b> bject	Snaps/Trims	SNAPS
SP	(N)	SP		Snap <b>P</b> erpendicular	Snaps/Trims	SNAPS
[3d]		n/s	SP	Section shape by <b>P</b> lane	[3D]	
[Space]		[Space]	[Space]	Repeats Last Command	[Keyboard]	
SR	(N)	SR		Snap pe <b>R</b> centage [value]	Snaps/Trims	SNAPS
[3d]		n/s	SR	Surface of <b>R</b> evolution	[3D]	
SS		SS		Stretch Selected	Edit	EDITS
[3d]		n/s	SS	Subtract from Shape	[3D]	
ST	(N)	ST		Snap <b>T</b> angent	Snaps/Trims	SNAPS
SV		SV	SV	Selection sa <b>V</b> e [SElect by:]	File	FILE
<b>SX</b>		SX		Snap <b>X</b> tangent	<b>[Snaps/Trims ST]</b>	
[3d]		n/s	SX	Set e <b>X</b> trusion depth	[3D]	
<b>SY</b>	(N)	SY	SY	Snap to noneditable laYers [on/off]	Layer	SNAPS
SZ		SZ	SZ	Si <b>Z</b> e (re-scale) [Select by: ]	Edit	EDITS
<b>T</b>		TA		<b>T</b> ext Append	Text/Fill/Hatch	TEXT
<b>TC</b>		TC		<b>T</b> ext Color	<b>[Text/Fill/Hatch TS]</b>	
[Tab]		n/s		[Enter] or <b>P</b> en Up or Browse Files	[Keyboard]	
n/s		TD		Text Delete	—	TEXT
TE		TE		<b>T</b> ext Editor	Text/Fill/Hatch	TEXT
[3d]		n/s	TE	<b>T</b> racking <b>E</b> nd	<b>[Draw PU]</b>	
TG		TG		<b>T</b> ext chan <b>G</b> e [SElect by: ]	Text/Fill/Hatch	TEXT
TH		TH		double line <b>T</b> Hickness [offsets]	Draw	
[3d]		n/s	TH	conver <b>T</b> to Hole	[3D]	
n/s		TI		Text Insert	—	TEXT
TK	(N)	TK	TK	<b>T</b> rack <b>I</b> ng start	Draw	CONSTRAINTS
TL		TL		<b>T</b> ext Line place	Text/Fill/Hatch	TEXT
[3d]		n/s	TL	<b>T</b> rack from <b>L</b> ast point	<b>[Draw TK]</b>	
??		TM		Trace Mode digitizer	[Future?]	MENUS
<b>TN</b>	<b>New</b>	n/s		<b>T</b> humb Nails show [on/off]	File	

	TO	(N)	TO	TO	<b>T</b> olerance [snap screen area]	Snaps/Trims	SNAPS
<b>Toolba</b>	<b>New</b>	n/s			Hides Toolbars or Prompt Lines	Settings	
	n/s	TP			Text Character Placement	—	TEXT
	[3d]	n/s	TP		conver <b>T</b> to Polygon	[3D]	
<b>TQ</b>	<b>Wish</b>	n/s			<b>T</b> oggle en <b>Q</b> uiry on/off settings	[Future?]	
<b>TR</b>		TR			<b>T</b> ext <b>R</b> otation [value]	<b>[Text/Fill/Hatch TS]</b>	
TS	(N)	TS			<b>T</b> ext Settings [branching]	Text/Fill/Hatch	TEXT
TS, A					<b>TS</b> Aspect [width value]		
<b>TS, B</b>					<b>TS</b> Bold <b>[on/off]</b>		
TS, C					<b>TS</b> Color [value]		
TS, F					<b>TS</b> Font [select]		
<b>TS, I</b>					<b>TS</b> filled <b>[on/off]</b>		
<b>TS, J</b>					<b>TS</b> Justification <b>[L/C/R]</b>		
TS, P					<b>TS</b> s <b>P</b> acing [value]		
TS, R					<b>TS</b> <b>R</b> otation [value]		
TS, S					<b>TS</b> <b>S</b> lant [value]		
TS, Y					<b>TS</b> la <b>Y</b> er [value]		
TS, Z					<b>TS</b> si <b>Z</b> e [height value]		
n/s		TV			Fast Text View	<b>[Settings FA]</b>	UTILITIES
[3d]		n/s	TW		conver <b>T</b> to <b>W</b> ireframe	[3D]	
n/s		TX			Text Replace	—	TEXT
<b>TZ</b>		TZ			<b>T</b> ext si <b>Z</b> e scale [value]	<b>[Text/Fill/Hatch TS]</b>	
<b>U</b>	<b>UD</b>	UD			a <b>U</b> to dim. <b>D</b> irection <b>[one of 4]</b>	<b>[Dimensions DQ]</b>	
UD, A					<b>UD</b> Aligned		
UD, E					<b>UD</b> at an angl <b>E</b>		
UD, H					<b>UD</b> <b>H</b> orizontal		
UD, V					<b>UD</b> <b>V</b> ertical		
UE		UE	UE		<b>U</b> n- <b>E</b> rase [action]	Edit	EDITS
UG		UG			a <b>U</b> to dim. chan <b>G</b> e [ <b>S</b> Elect by: ]	Dimensions	DIMENSIONS
[3d]		n/s	UG		Un <b>G</b> roup objects	[3D]	
<b>UL</b>		UL			a <b>U</b> to dimension <b>L</b> ayer [value]	<b>[Dimensions DQ]</b>	LAYERS
<b>UM</b>		UM			a <b>U</b> to dimension <b>M</b> ode <b>[one of 3]</b>	Dimensions	DIMENSIONS
UM, C					<b>UM</b> <b>C</b> umulative		
UM, P					<b>UM</b> <b>P</b> artitioned		
UM, S					<b>UM</b> <b>S</b> ingle		
UN		UN			<b>U</b> Nits displayed [branching]	Settings » Units	DISPLAY
UN, C					<b>UN</b> <b>C</b> entimeters		
UN, F					<b>UN</b> <b>F</b> eet & Inches		
UN, I					<b>UN</b> <b>I</b> nches		
UN, M					<b>UN</b> <b>M</b> ilimeters		
UN, P					<b>UN</b> a <b>P</b> ply to dimensions		
UN, S					<b>UN</b> meter <b>S</b>		
UN, T					<b>UN</b> fee <b>T</b>		
US	(N)	US			a <b>U</b> to dim. <b>S</b> ettings [branching]	Dimensions	DIMENSIONS
US, A					<b>US</b> <b>A</b> rrow [settings]		
US, C					<b>US</b> <b>C</b> olor [value]		
US, D					<b>US</b> <b>D</b> imension line [settings]		
US, E					<b>US</b> <b>E</b> xtension [settings]		
US, F					<b>US</b> <b>F</b> ont [select]		
US, L					<b>US</b> <b>L</b> ayer [value]		
US, T					<b>US</b> <b>T</b> ext [settings]		
<b>UT</b>		UT			a <b>U</b> to dim. <b>T</b> ext tolerance [branching]	<b>[Dimensions DQ]</b>	
UT, F					<b>UT</b> <b>F</b> ixed variance		

			UT, M		UT Max/min		
			UT, N		UT None		
			UT, S		UT Stacked variance		
			UT, U		UT mUltiplier [value]		
			UU	UU	Un-Undo [action]	Edit	EDITS
			UV	UV	aUto dimension moVe [action]	Dimensions	DIMENSIONS
			UY	UY	aUto dimension laYer [value]	Dimensions	
<b>V</b>			(V)	(V)	Vertex [angle value]	[Modifier]	
	<b>V1</b>	<b>New</b>	n/s		Vertical linear dimension	Dimensions	
	[3d]		n/s	VF	View Flat	[3D]	
	[3d]		n/s	VI	View Isometric	[3D]	
	<b>VM</b>		n/s	VM	Video Menu <b>[on/off]</b>	File	MENUS
	[3d]		n/s	VP	View Perspective	[3D]	
	??			VP	Multiple Viewports	[Future?]	ZOOMS
	[3d]		n/s	VQ	View Quick shade	[3D]	
	??			VS	multiView Settings	[Future?]	ZOOMS
	[3d]		n/s	VS	View Standard	[3D]	
	[3d]		n/s	VT	VecTor snap	[3D]	
	<b>VX</b>		n/s	VX	Video menu eXpurge <b>[off]</b>	File	MENUS
	[3d]		n/s	VY	View wireframe	[3D]	
<b>W</b>			WB	WB	Wait Batch	[Macro]	
			WC	WC	Window Copy	Quick Edits	SHORTCUTS
			n/s	(N)	WD	Window reDraw	—
			WE	WE	Window Erase	Quick Edits	SHORTCUTS
			WF	WF	Window Fill	Text/Hatch/Fill	
			WG	(=)	WG	Window chanGe properties [branching]	Quick Edits
			WG, Y		WG laYer		
			WG, C		WG Color		
			WG, T		WG Type		
			WG, W		WG Width		
	<b>WG, A</b>	<b>New</b>			WG All properties [pick object to match]		
	WH		WH	WH	Window Hatch	Text/Hatch/Fill	HATCH/FILL
	<b>[Wheel</b>	<b>New</b>	n/s		Mouse Wheel Zoom & Pan	[Zooms ZI, ZO, PA]	
	WI		WI	WI	Window mIrror	Quick Edits	
	<b>WK</b>	<b>New</b>	n/s		Window Klean	Utilities	
	WM		WM	WM	Window Move	Quick Edits	SHORTCUTS
	<b>WO</b>	<b>New</b>	n/s		Window sOrt	Utilities	
	WR	(A V =)	WR	WR	Window Rotate	Quick Edits	SHORTCUTS
	WS		WS	WS	Window Stretch	Quick Edits	SHORTCUTS
	WT		WT	WT	Window Text font create	Utilities	TEXT
	<b>WV</b>	<b>New</b>	n/s		Window conVert lines to arc	Utilities	
	WZ		WZ	WZ	Window siZe [scale]	Quick Edits	SHORTCUTS
<b>X</b>	??		XA	XA	eXport Attribute data	[Future?]	ATTRIBUTES
	??		XG	XG	Exchange Setup	[Future?]	CONVERT
	<b>XC</b>	<b>New</b>	n/s		restrict Cursor to dwg area <b>[on/off]</b>	Settings	
	<b>XP</b>	<b>New</b>	n/s		eXPort file [List Box]	File	
	XP, <u>B</u>				XP <u>B</u> itmap file [jpg bmp tif png]		
	XP, <u>V</u>				XP <u>V</u> ector file [dwg]		
	<b>XS</b>		XS	XS	dim eXtension Settings [branching]	<b>[Dimensions US]</b>	
	<b>XS, 1</b>		XS, 1	XS, 1	XS display 1 <b>[on/off]</b>		
	<b>XS, 2</b>		XS, 2	XS, 2	XS display 2 <b>[on/off]</b>		
	XS, A		XS, A	XS, A	XS length Above [value]		
	XS, B		XS, B	XS, B	XS length Below [value]		
	<b>XS, O</b>		XS, O	XS, O	XS Offset <b>[on/off]</b>		

	<b>XS, S</b>		XS, S	<b>XS Stretch [on/off]</b>		
	XT		XT	eXTend line	Trims	TRIMS
	<b>XX</b>	<b>New</b>	n/s	Query Commands [list box]	[Help QC]	
	XY		XY	eXplode component to laYer	Component	COMPONENT
	<b>XY, C</b>			<b>XY to Current layer [on]</b>		
	<b>XY, O</b>			<b>XY to Original layer/layers [on]</b>		
	<b>XY, P</b>			<b>XY to Placement layer [on]</b>		
	[3d]		n/s XY	<b>XY plane</b>	[3D]	
	[3d]		n/s XZ	<b>X Z plane</b>	[3D]	
<b>Y</b>	[3d]		n/s Y2	laYer load 2D	[3D]	
	YC	(=)	YC YC	laYer set Current	Layer	LAYERS
	YD	(=)	YD YD	laYer Display [Tab] for all 1024	Layer	LAYERS
	YE	(=)	YE	Layer Erase [= YX]	Layer	LAYERS
	YG	(=)	YG YG	Layer chanGe properties [branching]	Layer	LAYERS
	YG, Y		YG, Y	<b>YG laYer</b>		
	YG, C		YG, C	<b>YG Color</b>		
	YG, T		YG, T	<b>YG Type</b>		
	YG, W		YG, W	<b>YG Width</b>		
	<b>YG, A</b>	<b>New</b>	n/s	<b>YG All properties [pick object to match]</b>		
	YH	(=)	YH YH	laYer Hide [Tab] for all 1024	Layer	LAYERS
	YL	(=)	YL	laYer Load	Layer	FILE
	[3d]		n/s YL	laYer Load 3D	[3D]	
	YN	(=)	YN	laYer Name	Layer	LAYERS
	<b>YP</b>	<b>Wish</b>	n/s	laYer Properties [branching]	[Future?]	
	<b>YP, A</b>			<b>YP Assign properties to layer number</b>		
	<b>YP, C</b>			<b>YP Color by layer [or none]</b>		
	<b>YP, N</b>			<b>YP Non-print/plot layer [on/off]</b>		
	<b>YP, T</b>			<b>YP lineType by layer [or none]</b>		
	<b>YP, W</b>			<b>YP Width by layer [or none]</b>		
	YR	(A V =)	YR	laYer Rotate	Layer	LAYERS
	<b>YO</b>	<b>Wish</b>	n/s	laYer reOrder database by number	[Future?]	
	YS	(=)	YS	laYer Save	Layer	LAYERS
	YX		YX YX	laYer eXpurge [erase]	[Layer YE]	
	YZ	(=)	YZ	laYer siZe [rescale]	Layer	LAYERS
<b>Z</b>	ZA	(N)	ZA ZA	<b>Zoom All</b>	Zooms	ZOOMS
	ZB	(N)	ZB	<b>Zoom Back [pick center]</b>	Zooms	ZOOMS
	[3d]		n/s ZE	ZY plane	[3D]	
	ZI	(N)	ZI ZI	<b>Zoom In [PA to center first]</b>	Zooms	ZOOMS
	ZL	(N)	ZL	<b>Zoom to dwg Limits</b>	Zooms	ZOOMS
	[3d]		n/s ZL	<b>Zoom grid Limits</b>	[3D]	
	ZM	(N)	ZM ZM	<b>ZooM value</b>	Zooms	ZOOMS
	ZO	(N)	ZO ZO	<b>Zoom Out [PA to center first]</b>	Zooms	ZOOMS
	ZP	(N)	ZP ZP	<b>Zoom Previous</b>	Zooms	ZOOMS
	[3d]		n/s ZS	<b>Zoom view Shaded</b>	[3D]	
	ZU	(N)	ZU	<b>Zoom Up [pick center]</b>	Zooms	ZOOMS
	ZV	(N)	ZV	<b>Zoom View</b>	Zooms	ZOOMS
	ZW	(N)	ZW ZW	<b>Zoom Window</b>	Zooms	ZOOMS

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