

02/15/2017 **HAWSEDC AutoCAD KEYBOARD COMMANDS****COMMAND GROUPS--**

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**PROFILES--**

CU	Copy Up. Copies an object straight up or down. Acts like offset for profile lines.	50% Obsolete (POLAR snap)
ELLABEL	Labels profile or xsec point elevations by picking.	
ELV	Adds elevations along the side of a profile grid.	
EOP	End of pipe. Draws the cut (broken) end of a pipe.	
GRB	Inserts a grade break symbol at the end of a line on a profile. Needs GRB.DWG.	
GRC	Insert a grade change symbol at the end of a line on a profile. Needs GRC.DWG.	
GRD	Calculates a slope or elevation.	
LST	Lists the station and elevation of a profile point. Needs reference point set up by PRO.	
NEWPRO	Draws a new profile from a data file named [dwgname].pro.	
PC	Draws a profile catch basin with two picks.	
PLDR	Adds a profile label leader with pre-worded text.	
PM	Draws a profile manhole with two picks.	
PRED	Edits the PRO data file that matches the current drawing name.	
PRO	Plots a complete profile by entering station, elevation, etc. from the keyboard or a data file.	
PROE	Draws a profile pipe ellipse with ID and OD.	
PROFC	Converts an old format PRO data file version.	
PROPIPE	Profile pipe. Draws ID and OD by picking invert points and entering ID and wall thickness.	
PROSUP	Draws a pipe support in profile between a pipe ellipse and a pipe profile.	
SEL	Adds three left side elevations to a profile grid.	
SER	Adds three right side elevations to a profile grid.	
STALABEL	Adds stations along the bottom of a profile grid.	
TC	Inserts a profile text block. Needs P-TCG-TX.DWG.	

**CIVIL DRAFTING--**

2L	Edits 2 elevations at a time with 1 input such as TC&G or FF&PAD when given only G or PAD.	
BERM	Draws a berm (crow's foot) symbol. Requires BERM.DWG.	
CD	Curve data. Lists rad, len, del, and tan of an arc or pline. List length of a circle or line.	
CLD	Draws a revision cloud.	50% Obsolete (REVCLLOUD)
CURVE	Draws an arc with a requested length.	
DM	Draws street or utility dimensions with additional same line or multiline text.	
DW	Draws a straight or curved driveway entrance.	
ELEV0	Changes all elevations in a drawing to zero. LWPOLYLINES must be made Heavy with CONVEF 100% Obsolete (FLATTEN)	
M40	Draws a 1998 revision City of Mesa M-40 driveway with two picks.	
M42	Draws a 1999 revision City of Mesa M-42 driveway with two picks.	
PIPE	Draws a pipe with inside and outside walls.	
REV	Insert revision delta to drawing at dimscale and dim text size.	
TAP	Draw a perpendicular sewer tap using current chamfer distances.	
TAPINV	Calculate the invert at the end of a perpendicular sewer tap by picking.	
UT	Draw a utility line of a specified type and size. Includes Wat/Sew/SD/Irr/Elec/Tel/Catv.	
WALL	Draw a wall of a specified width on the right layer.	
WS	Draw a water service with two picks.	

COMMAND	DESCRIPTION	BAD	COMMENT
<b>CONSTRUCTION NOTES--</b>			
BB	Bubble note circle with text inside.		
BOXL	Box bubble note on NOTES layer. Requires R-BOX.DWG & L-BOX.DWG.		
BOXLS	Box bubble note with station or quantity on NOTES layer. Requires R-BOX.DWG & L-BOX.DWG	50%	Redundant
BW	Backwards. Draw a leader from a bubble note to an additional point.	20%	Obsolete (MLEADER)
CIRL	Cir bubble note on NOTES layer. Requires R-CIR.DWG & L-CIR.DWG.		
CIRLS	Cir bubble note with station or quantity on NOTES layer. Requires R-CIR.DWG & L-CIR.DWG.	50%	Redundant
DIAL	Dia bubble note on NOTES layer. Requires R-DIA.DWG & L-DIA.DWG.		
DIALS	Dia bubble note with station or quantity on NOTES layer. Requires R-DIA.DWG & L-DIA.DWG.	50%	Redundant
ELLL	Ell bubble note on NOTES layer. Requires R-ELL.DWG & L-ELL.DWG.		
ELLLS	Ell bubble note with station or quantity on NOTES layer. Requires R-ELL.DWG & L-ELL.DWG	100%	Redundant
HEXL	Hex bubble note on NOTES layer. Requires R-HEX.DWG & L-HEX.DWG.		
HEXLS	Hex bubble note with station or quantity on NOTES layer. Requires R-HEX.DWG & L-HEX.DWG	100%	Redundant
LOTEL	Spot elevation ellipse. Need LOTEL.DWG.		
NOTES	Manage bubble notes and quantites automatically. See NOTES.DOC.	100%	Naming conflict (CNM)
PAD	Insert pad and ff block on PAD layer.		
PENL	Pen bubble note on NOTES layer. Requires R-PEN.DWG & L-PEN.DWG		
PENLS	Pen bubble note with station or quantity on NOTES layer. Requires R-PEN.DWG & L-PEN.DWG	100%	Redundant
SLL	Insert straight leader leftward with text on STAOFF layer. Requires SL.DWG.		
SLOPE	Insert a slope arrow with text on slope layer.		
SLR	Insert straight leader rightward with text on STAOFF layer. Requires SR.DWG.		
SPOTEL	Insert grading plan spot elevation block on SPOTEL layer.		
TCG	Insert grading plan street elevations on a leader. Requires R-TCG.DWG & L-TCG.DWG		
TCL	Insert angled grading plan street elevations leftward. Requires TCL.DWG.		
TCR	Insert angled grading plan street elevations rightward. Requires TCR.DWG.		
TXTL	Text note on NOTES layer. Requires R-TXT.DWG & L-TXT.	20%	Better to use MLEADER?

#### HORIZONTAL CONTROL AND COORDINATE GEOMETRY--

BD	Label a line with bearing and distance.		
BDL	Bearing and distance of a line on a leader.		
BDP	Label the bearing and distance between two picked points.		
NE	Northing and easting coordinates on a leader.	20%	Needs to use MLEADER
STACL	Add numbered station ticks on an old style (not lightweight) pline.		
XY	X and Y coordinates on a leader.	20%	Needs to use MLEADER

#### DIMENSIONING--

-DA	Dimension aligned.	10%	DIMALIGNED
-DANG	Dimension Angular.	10%	DIMANGULAR
-DC	Dimension Center.	10%	
-DH	Dimension Horizontal.	10%	DIMHORIZONTAL
-LDR	Draw straight or curved leader with multiple lines of text.	100%	Obsolete (MLEADER)
-LED	Draw associative leader (using the Dim Radius command).	100%	Obsolete (MLEADER)
AAR	Draw curved leader as one entity.		
CHDIM	Change text inside dimensions globally or update dimensions with given text.		
D1	Toggle suppressing dimension extension 1.		
D2	Toggle suppressing dimension extension 2.		
DL	Dimension Leader.	100%	Obsolete
DOT	Draw associative leader with dot end.	10%	Obsolete (PROPERTIES)
DP	Dimpost. Dimension post string. (eg. ' or FT)	10%	Neglected. Change to PGP.
DU	Dimension update.	10%	Obsolete (DIM APPLY)
HT	Dimension Hometext.		
LOOP	Draw associative leader with loop (lasso) end.	20%	Needs to use MLEADER
NONE	Draw associative leader with no arrow (straight line) end.	20%	Needs to use MLEADER
SETUP	Set all dimension variables for a certain scale and text height.		
TE	Dimension tedit.	50%	Obsolete (TEXTEDIT)
TILDE	Draw associative leader with tilde end.	20%	Needs to use MLEADER
XX	Toggle dimtix. Toggle forcing dimension text inside extension lines.		

#### TEXT--

ADD	Add a text string to the end of another text string.		
AT	Arc text.	10%	Obsolete (Express Tools)
CHNUM	Renumber existing text sequentially.		
CHT	Change text HEIGHT/JUST./LOC./ROT./OBL./STYLE/TEXT/WIDTH		
CMT	Change text style, layer, color, height, and slant to match another by picking.		

COMMAND	DESCRIPTION	BAD COMMENT
CONXTXT	Middle justify text on contour layer.	
CS	Change text string to match another by picking.	
DT	Dtext. Dynamic text.	100% Obsolete
EE	Edit multiple sequential attributes, attdefs, dimensions, or text with a dialogue box.	
FACNUM	Multiply numbers within text strings.	
HELV	Set style to X-HLVM1S. Change all BOLDish styles to X-HLVM1S font.	100% Obsolete (Arial)
IMP_EXP	Import/Export ASCII files with options not in ASCTEXT.	10% Neglected
INCNUM	Increment numbers within text strings.	
L80	L80 (0.080 * dimscale) size quick dtext.	20% Neglected
L100	L100 (0.100 * dimscale) size quick dtext.	20% Neglected
L120	L120 (0.120 * dimscale) size quick dtext.	20% Neglected
L140	L140 (0.140 * dimscale) size quick dtext.	20% Neglected
L175	L175 (0.175 * dimscale) size quick dtext.	20% Neglected
L200	L200 (0.200 * dimscale) size quick dtext.	20% Neglected
L240	L240 (0.240 * dimscale) size quick dtext.	20% Neglected
L290	L290 (0.290 * dimscale) size quick dtext.	20% Neglected
L350	L350 (0.350 * dimscale) size quick dtext.	20% Neglected
L500	L500 (0.500 * dimscale) size quick dtext.	20% Neglected
LETTER	Add consecutive letter text to drawing.	
LOTNUM	Enhanced version of NUM. Centers text between two lot lines.	
NUM	Add consecutive number text to drawing.	
PRESUF	Add a prefix or suffix to selected text. Powerful with CHT.	
ROMANS	Set style to Roman Simplex. Change all LEROYish styles to ROMANS font.	
RRR	Rotate from a reference point. Good as an everyday substitute for ROTATE.	
SELSTYLE	Set current text style by picking.	
TH	Change text size for a selection set. (Quickie version of CHT.)	
TO	Text overline. Add overline to a selection set of text or to an attribute.	
TU	Text underline. Add underline to a selection set of text or to an attribute.	
TXTSUM	Add numeric values from selected text strings.	
<b>LAYER MANAGEMENT--</b>		
--LA	Layer without dialogue box.	10%
-AS	Layer set by picking.	10% Obsolete (LAYMCUR)
-CHM	Change objects' layer to match another object.	10% LAYMCH
-CL	Change objects to current layer by picking.	10% LAYCUR
-FF	Freeze layers by selection set.	10% LAYFRZ
-LA	Layer box. Layer with dialogue box.	50%
-OFI	Off isolate. Turn off all but selected layers.	10% Obsolete (LAYISO)
-THA	Thaw all.	10% Obsolete (LAYTHW)
FFI	Freeze isolate. Freeze all but selected layers.	
FFX	Freeze xref layers (or layers of other nested objects) by picking.	
L0	Layer set 0.	
LAPRN	Print layer settings list to file (dwgname.txt).	10% Neglected
LAR	Restore layer settings from a file. (Frozen, Off, Color, Linetype, Current viewport frozen)	
LAS	Save layer settings to a file. (Frozen, Off, Color, Linetype, Current viewport frozen)	
LCP	Layer colors by picking.	
LCPX	Nested (xref) layer colors by picking.	
LK	Lock layers by picking.	
LK0	Lock layer 0.	
LKA	Lock all layers.	
LKI	Lock isolate. Lock all but selected layers.	
LM	Make layer with few prompts.	
LTB	Change all entities on a layer to bylayer linetype. Restores changes done by LTC.	
LTC	Change all entities on a layer to continuous linetype. Speeds profile grid regens.	
LTH	Change linetype to hidden by picking.	
LWP	Layer lineweight by picking.	
LWPX	Nested (xref) layer lineweight by picking.	
OFF	Turn off layers by selection set.	
OFFX	Turn off xref layers (or layers of other nested objects) by picking.	
ONA	On all. Turn all layers on.	
OO	Offset to current layer. Same as offsetx.	
UFF	Undo layer freeze. Thaw layers frozen by previous picking.	
UFFX	Undo nested (xref) layer freeze. Thaw layers frozen by previous picking.	
UL	Layer unlock by picking.	
ULA	Layer unlock *.	
UOFF	Undo layer off. Turn on layers turned off by picking.	
UOFFX	Undo nested (xref) layer off. Turn on layers turned off by picking.	

COMMAND	DESCRIPTION	BAD COMMENT
<b>BLOCK MANAGEMENT--</b>		
--I	Insert without dialogue box.	10%
--W	Wblock without dialogue box..	10%
-BL	Block.	10%
-EX	Explode mirrored blocks as well as the usual explodable entities.	50% Obsolete (MIRROR)
-EXP	Autocad explode.	10%
-I	Insert with dialogue box.	10%
-W	Wblock with dialogue box.	10%
-XR	Xref without dialogue box.	10%
BL0	Block to layer 0. Redefine a block putting all its sub-entities on layer 0.	10% Needs to be fixed.
BURST	Explode attributes to text. Explode blocks changing any attributes into text without losing attribut	50% Express tools BURST
CHATTRIB	Change Value/Position/Angle/Style/Layer/Color of currently visible attribues globally.	
RESCALE	Rescale selected blocks or other entities about their base points.	
XD	Xref detach by picking.	
XDA	Xref detach all (*).	
XRL	Xref list. List of all xref's in drawing.	100% Obsolete
XU	Xref unload by picking.	
<b>INQUIRY--</b>		
-DI	Distance.	10% DIST
-LI	List.	10%
ACRES	Area of entity in acres (/ 43560). Add text to drawing.	
AEE	Area of entity.	
AET	Area of entity. Add text to drawing.	
AL	List radius, length, delta, and tangent of an arc or pline. List length of a circle or line.	
DN	Report drawing name.	100% Obsolete
EG	Entget. Get entity information list in DXF format.	
EGN	Entget nested. Get nested entity information list in DXF format.	
ISTAN	Is it tangent? Find the gap and angular difference between two selected ends.	
LX	Nested list. Drills to the nesting bottom of an entity and lists all mother entities and layers.	
MD	List cumulative distance.	
SF	Area of entity in square feet. Add text to drawing.	
WL	What layer. Get layer name, color, linetype, and status info by picking an entity.	PROPERTIES
<b>EDITING--</b>		
-B	Break.	10%
-CF	Chamfer.	10%
-CH	Change.	50% Obsolete (PROPERTIES)
-CX	Copy.	50%
-E	Erase	10%
-F	Fillet.	10%
-JOIN	Join lines & arcs into a pline even if not quite touching.	50% Obsolete (JOIN, PEDIT)
-LE	Change the length of a line.	10% Obsolete (LENGTHEN)
-M	Move.	10%
-MAKEPOLY	Join lines into a polyline.	100% Obsolete (JOIN, PEDIT)
-MM	Mirror.	10%
-O	Offset.	10%
-PE	Pedit.	10%
-RR	Rotate.	10%
-SC	Scale.	10%
-T	Trim.	10%
-X	Extend.	10%
BF	Break First.	
BM	Brkmatch. Break a line, filling the gap to match another entity.	
BRK	Break two objects where they intersect.	
CHCOORD	Change any coordinate of a selection set to a uniform value.	
CMPRO	Change any property of a selection set to match another object.	
CR	Copyrot. Rotate, leaving a copy in original position.	
CW	Pedit width change for a group.	50% Obsolete (PE, PROPERTIES)
DATE	Put a date stamp on the standard border. Works only with an unscaled border.	50% Company-specific
EC	Erase Crossing.	
EW	Erase Window.	
MC	Move Crossing.	
MF	Multiple concentric fillet with automatic radius change. Useful for contours and curb returns.	

COMMAND	DESCRIPTION	BAD COMMENT
MOF	Multiple offset. Offset with one pick to multiple distances and layers. Good for streets.	
MP	Move Previous.	
MSCR	Multiple Script processor. Run a script file on multiple drawings.	
MW	Move Window.	
NA	New angle. Change the angle of selected entities to match a selected entity.	
S	Stretch crossing.	
SSX	Create a global selection set of specific layers, blocks, etc. for use in another command.	
SSXPRO	Like SSX, but more powerful and complicated.	
SWAP	Swap the location of two selection sets.	
TB	Trim to an entity in a block.	100% Obsolete
UB	Undo back.	
UM	Undo mark.	
<b>DRAWING--</b>		
-A	Arc	10%
-AR	Array.	10%
-BX	Draw a pline box given two corners; rotate if needed.	50% Obsolete (RECTANG)
-C	Circle.	10%
-ELL	Ellipse.	10%
-H	Hatch.	10%
-L	Line.	10%
-PG	Polygon.	10%
-PL	Polyline.	10%
(AH)	Snap to a point halfway between two selected points.	50% Obsolete (m2p osnap)
C2	Circle by two points.	
CT	Circle by tangent, tangent, and radius.	
DD	Donut with no hole.	Neglected
P0	Set polyline width to 0.	
<b>VIEWS &amp; ZOOMS</b>		
-DV	Dview.	10%
-P	Pan.	50%
-V	View with dialogue box.	10%
-Z	Zoom.	10%
2X	ZOOM .2X	
5X	ZOOM .5X	
9X	ZOOM .9X	
TW	Twist. Dview twist with prompt for angle only.	
X2	Zoom 2X	
Z0	Zoom zero. Zoom window from 0,0 to 36,24.	
ZA	Zoom All.	
ZD	Zoom dynamic.	100% Obsolete
ZE	Zoom extents.	
ZI	Zoom in. Zoom 1.5X.	
ZO	Zoom out. Zoom 0.5X.	
ZV	Zoom viewmax. Zoom out as far as possible without a regen.	
ZW	Zoom window.	
ZZ	Zoom previous	
<b>SETUP &amp; DRAWING ENVIRONMENT--</b>		
-AA	Active angle. Set snapangle.	10%
-AP	Aperture	10%
-DSC	Dimscale.	10% Neglected
-GS	Set grip size.	10%
-IB	Insbase.	10%
-LTS	Ltscale.	20% Obsolete mgt. strategy.
-MS	Mspace.	10%
-OS	Ddosnap.	10%
-PB	Set entity pickbox size.	10%
-PS	Pspace.	10%
-R	Redraw.	10%
-RD	Redo.	10%
-RES	Viewres.	10%
-RG	Regenall.	10%
-SN	Snap.	10%
-TY	Linetype.	10%

COMMAND	DESCRIPTION	BAD COMMENT
-UU	Ddunits.	10%
-VP	Vports. Model space viewports.	10%
0	TILEMODE 0 and set ltscale to 1 if pslltscale = 1.	50% Obsolete mgt. strategy.
1	TILEMODE 1 and reset ltscale if pslltscale = 1.	50% Obsolete mgt. strategy.
10	Set up variables for associative dimensioning. 0.10 inch size.	10% Neglected
12	Set up variables for associative dimensioning. 0.12 inch size	10% Neglected
ADT	Attdia toggle.	
CET	Cmdecho toggle.	
CLEAN	Clean drawing using wblock command. Exits drawing.	
CMD	Cmddia toggle.	
DIA	Toggle cmddia, filedia, attdia.	
FD	Filedia toggle.	
IL	Isoplane left.	20% Not civil?
IO	Isoplane off.	20% Not civil?
IR	Isoplane right.	20% Not civil?
IT	Isoplane top.	20% Not civil?
LLT	Load all linetypes from ACAD.LIN.	
MN	Menu. No dialogue box. Makes it easy to type MN ACAD.	100% Wrong-headed mgt.
MODESTAT	Changes the status bar to display long layernames and the current drawing name.	100% Obsolete
MREN	Multiple rename. Works like Autocad rename using wilcards.	
MV	Create paper space viewport on defpoints layer.	
MVHP	Create and zoom HP plotter sized paper space viewport. Current UCS 0,0 must be at sheet corn	100% Obsolete
NS	Note snap. Set snap angle to 0, 30, 45, or 60 for drawing leaders.	100% Superseded (POLARSET)
OSE	Set running osnap to endpoint.	
OSI	Set running osnap to intersection.	
OSM	Set running osnap to midpoint.	
OSN	Set running osnap to none.	
PALL	Purge all without confirmation.	
PROTO	Insert PROTO drawing with standard layers and linetypes.	50% Company-specific
PROTOX	Insert PROTOX drawing with standard layers and linetypes.	50% Company-specific
PSLT	Pslltscale toggle.	40% Obsolete mgt. strategy.
QT	Qtext mode toggle.	100% Obsolete
RGA	Reganauto toggle.	
SETDIM10	Set up variables for associative dimensioning. 0.10 inch size.	
SETDIM12	Set up variables for associative dimensioning. 0.12 inch size	
SHEET	Automate P&P sheet setup for large sets with MSCRIPT. Attaches xrefs and takes care of scaling and rotation.	
U0	Set units to 0 decimal places.	
U1	Set units to 1 decimal place.	
U2	Set units to 2 decimal places.	
U3	Set units to 3 decimal places.	
U8	Set units to 8 decimal places.	
UF	Ucsfollow toggle.	
US	Set units to surveyor angles (nearest second) and 2 decimal places.	
VSR	Visretain toggle.	10%
XIN	Bring in selected base xrefs at world 0,0 and 0 rotation and then restore PLAN views and UCS.	100% Neglected
XOUT	Take out selected base xrefs and restore PLAN view and UCS.	100% Neglected

#### OPERATING SYSTEM COMMANDS--

-DEL	Delete a file.	50% PGP OS Command
-DIR	Display current directory.	50% PGP OS Command
-EDIT	Edit a file.	100% PGP OS Command
-SET	Display current environment variables.	10% PGP OS Command
-SH	Shell to OS.	10% PGP OS Command
-SHELL	Shell to OS.	10% PGP OS Command
-TYPE	Type a file to the screen.	100% PGP OS Command
XT	Run XTree.	100% Obsolete

#### MISCELLANEOUS--

FFA	Findfile ACAD. Find out where AutoCAD is finding a file.	30% Needs to be fixed.
RUN	Load or reload and run a LISP routine by typing RUN and routine name.	50% Name conflict. Use LR.
USER	Reload USER.LSP (after making changes).	
- This is just an ACAD.PGP alias.		