

AutoSD Steel Detailing

QUICK START

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AutoSD Steel Detailing Version 2022 is compatible with AutoCAD 2000 and later and Bricscad 11 and later.

Minimum screen resolution for displaying dialog boxes is 1280 x 960

Trademarks

AutoCAD is a registered trademark of Autodesk, Inc.

BricsCAD is a registered trademark of Bricsys NV.

WINDOWS is a registered trademark of Microsoft Corporation.

CVSpro is a registered trademark of CadVantage, Inc.

If you are installing AutoSD for AutoCAD LT, you will need to install a Lisp Enabler. A lisp enabler that works with AutoCAD LT 2004 - LT 2021 can be purchased from the following web site. <http://www.cadsta.com/cadstamax.html>. The product name is Cadsta Max.

STEP 1: Un-Installing AutoSD Steel Detailing. (recommended)

You may uninstall the current copy of AutoSD Steel Detailing or install the new copy over the old. Uninstalling AutoSD is recommended and will not remove any drawings or customer configurations that you have created.

Windows XP: From the task bar pick Start, Settings and Control Panel. Double click on Add or Remove Programs in the Control window.

Windows 7: From the task bar pick Start and Control Panel. Click on Uninstall a program in the Control Panel window.

Windows 8 & 8.1: Change to the desktop screen. Right click on the Windows icon and pick Control Panel. Click on Uninstall a program in the Control Panel window.

Windows 10: Pick Start and Control Panel. Click on Uninstall program in the Control Panel window.

Select AutoSD Steel Detailing and pick Uninstall.

All files will not be removed. Some files and folders will remain. Do not delete the remaining files and folders. Install AutoSD over the existing files.

Note: If you have customized your autosd.dwt template file located in your AutoSD\support folder you will need to save it to another folder or disk before un-installing AutoSD.

STEP 2: Installing the program.

Insert the CD-ROM into your CD-ROM drive and if the installation does not start, choose START, RUN. Type X:\AUTOSD_SETUP where X is your CD-ROM drive letter. Follow the on-screen prompts.

Note: If you have customized your autosd.dwt template file, after installing AutoSD, copy your old autosd.dwt template file back into your AutoSD\support folder.

STEP 3: Installing the hardware lock.

The hardware lock is not used and may be discarded.

STEP 4: Configure AutoCAD or BricsCAD.

Start AutoCAD or BricsCAD.

AutoCAD

From the pulldown menu select **TOOLS** and then **Options** or type **CONFIG** and press enter. A dialog box is displayed.

Select Files

Double click on Support file search path.

Select Add. Add the following line in the newly created box.

C:\AUTOSD\SUPPORT

For the perpetual license version

Where:

C:

is the drive where AutoSD is installed.

AUTOSD

is the name you of the install folder.

Pick the “Apply“ button.

AutoCAD Release 2014 and later configuration

You can add the following to your Trusted Locations to avoid constant warnings about loading files or you can disable the warning feature.

Add folders to “Trusted Locations” or set SECURELOAD value to 0.

Add folders to “Trusted Locations”:

For AutoCAD LT:

Close the current dialog box. From the pulldown menu select CADSTA > CADSTA Tools > TrustedPaths Manager.

Full version of AutoCAD:

Double click on “Trusted Locations” or pick the plus sign next to it.

Repeat the following steps for each folder below. If you did not purchase the complete AutoSD Steel Detailing program, some folders will not exist and AutoCAD will warn you of this. In those cases do not include that folder.

Pick the “ADD” button and enter the following line in the newly created box or, to avoid typographical errors, pick the Browse button and select the folder.

C:\AUTOSD

C:\AUTOSD\BM

C:\AUTOSD\BONUS

C:\AUTOSD\BRACE

C:\AUTOSD\CNC

C:\AUTOSD\COLUMN

C:\AUTOSD\DATA

C:\AUTOSD\DATA\BACKUP

C:\AUTOSD\HIP_VAL

C:\AUTOSD\LADDER

C:\AUTOSD\MENUS

C:\AUTOSD\RAILS

C:\AUTOSD\STAIR

C:\AUTOSD\SUPPORT

C:\AUTOSD\WELDS

Pick the “Apply“ button.

BricsCAD configuration

Type **CONFIG** and press enter or pick Settings > Settings. A dialog box is displayed.

Expand Program options

Expand Files

Select Support File Search path

Pick the button at the right end of the line with the three dots...

Double click on the blank line at the bottom of the Folder List and then pick the button at the right end of the line with the three dots...

Expand My Computer

Expand Local Disk (C:)

Expand AutoSD

Select Support

Pick OK

Pick OK again

Expand Templates

Select Template

Pick the button at the right end of the line with the three dots...

Change folders to C:\autosd\support and select Autosd.dwt

Pick Open

Select Template path

Pick the button at the right end of the line with the three dots...

Change folders to C:\autosd\support

Select AutoSD.dwt

Pick OK

Loading the menu

At the command prompt type **MENULOAD** or **CUILOAD** and press enter.

If the AutoSD menu was loaded from an earlier version of AutoSD select “autosd” from the “Loaded Customization groups” and pick Unload.

Pick Browse. (BricsCAD: Pick button with three dots ...)

In the (AutoCAD: “Load/Unload Customization”) (BricsCAD: “Choose a Customization File”) box pick the arrow at the right end of the “Look in” box and select the drive where AutoSD is installed. In the large box, double click on **AUTOSD**, double click on **MENUS**.

AutoCAD 2000 – 2002: select **autosd02.mnu**

AutoCAD 2004 – 2009: select **autosd.mnu** (see Note below).

AutoCAD 2010 – 2014: select **autosd.cuix**

AutoCAD 2015 and later: select **autosd15.cuix**

BricsCAD 13 - 19: select **autosd.cuix**

BricsCAD 20 and later: select **autosd.cuix** if you are using the light theme and
select **autosd15.cuix** if you are using the dark theme.

BricsCAD: An *.CUI file will be created from the *.CUIX file for Bricscad. Pick the *.CUI file if you need to load the menu file again unless you need to overwrite the CUI file with an update to AutoSD.

Select Open.

Pick Load

If a message box appears when loading **autosd.mnu** warning that loading of a template file overwrites the menu source file. Pick **YES** to continue loading the menu file.

For AutoCAD 2000 - 2005:

Select AUTOSD from “Menu Groups” and pick the Menu Bar tab.

Select where you want to place the AutoSD menu group in the Menu Bar list and pick Insert.

Select Close

Note.

All versions of AutoCAD and BricsCAD can load the autosd.mnu file. You may need to change “Files of type” to “Legacy menu files (*.mnu)” at the bottom of the “Select Customization File” dialog box to be able to select the AUTOSD.MNU file. The MNU file does not have the ribbon menu in it.

If you get “smiley faces” in your toolbars and have an older version of AutoCAD you need to do the following:

1. Add C:\autosd\icons to the “Support file search path”
2. Unload the autosd menu
3. Load autosd02.mnu from c:\autosd\menus

If you have BricsCAD 15 or AutoCAD 2010 or later and load the AUTOSD.CUIX menu file you can use the ribbon menu in AutoSD. The RIBBON command turns the ribbon menu on. The RIBBONCLOSE command turns the ribbon menu off. The ribbon menu can be used with or without the pulldown and toolbar menus. Pulldown menus can be turned on and off with the command MENUBAR. Set the value to 1 to turn it on and to 0 to turn it off.

STEP 5: Configure AutoSD.

If you have installed the trial version you should copy all *.cfg files from the root autosd folder, rails folder and stair folder of the permanent version to the corresponding folders of the trial version.

After configuring AutoCAD and loading the AutoSD menu, select the AutoSD pulldown menu and Customer Configuration. Select Detail variables. Select Unnamed and pick Edit. Change the settings in the dialog boxes as needed and select OK. Select Color list. Select AutoSD from the list of names and pick Edit. Use the dialog box to set each color by picking on the color of the item to be changed. Colors for weld symbols are set in the Weld Menu dialog box. Pick OK to close the Setting Colors dialog box. You can rename the file names and add more configurations if needed. Pick OK again to exit the configuration.

STEP 6: Starting AutoSD.

Start AutoCAD or BricsCAD. If you are using AutoCAD LT you need to use the Lisp enabler desktop icon to start AutoCAD LT.

Select File > NEW. Select "Use a Template" and select the autosd.dwt template. It is in your C:\autosd\support folder.

Pick AutoSD > Format > SETUP or AutoSD I > Utilities > SETUP.

Select a configuration from each of the four boxes. Select AutoSD for Detail Variables, Unnamed - 24x36 for Shop bill, None for Material list and AutoSD for Color list and pick OK.

In the Setup box, accept the defaults which are: Architect for Unit type 1 = 1' for Drawing scale, D - 24 x 36 for drawing size, horizontal for paper size and AutoSD.

Pick OK and the drawing is created.

Pick File > Save and save the drawing.

You can start detailing now.

A folder called C:\AUTOSD\CUSTOMER is created by the installation program. Where C: is the drive you installed AutoSD on and AUTOSD is the name of the folder you chose to install AutoSD in. You can use the shop bill drawings in this folder, (24x36BOM.dwg and 11x17BOM.dwg), to create your own shop bill. Open the drawing, change the name in the title box, save and close the drawing. Insert the shop bill drawing into your detail drawing by picking AutoSD > Shop bill > Insert Shop Bill.

Useful commands

RIBBON	Turns ribbon menu on
RIBBONCLOSE	Turns ribbon menu off
MENUBAR	1, turns menubar on. 0, turns menubar off
-TOOLBAR	Enter toolbar name or [ALL]: Turns on named toolbar.
MENULOAD	Opens the dialog box to load the AutoSD menu.
OPTIONS	Opens the Options dialog box to add support file search path.

AutoSD reference manual

The AutoSD reference manual is located in your C:\autosd folder. The file name is AutosdRefmanual.pdf. It is accessible by picking Help from the AutoSD pulldown menu or by picking the question mark in the Shop bill panel under AutoSD I of the Ribbon menu. If you would like a printed copy you may print the pdf file or order a copy from AutoSD, Inc.