AutoSD Steel Detailing

Setup

This file is in your C:\autosd folder. The file name is AutoSD_Setup.htm

AutoSD Steel Detailing version 2021 is compatible with AutoCAD 2000 – 2022 and Bricscad Pro/Platinum 13 - 20

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.

Configure AutoCAD or BricsCAD.

Start AutoCAD or BricsCAD.

AutoCAD Release 2000 - 2013 configuration

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
        Where:
        C: is the drive where AutoSD is installed.
        AUTOSD   is the name you gave for the AutoSD folder.
Pick the "Apply" button.

AutoCAD Release 2014 and later configuration

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

Select the Files tab
Double click on "Support file search path" or pick the plus sign next to it.
Select "Add" and add the following line in the newly created box.
    C:\AUTOSD\SUPPORT
        Where:
        C: is the drive where AutoSD is installed.
        AUTOSD   is the name you gave for the AutoSD folder.
Pick the "Apply" button.

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

To disable the warning feature instead of adding paths to "Trusted Locations" close the dialog box and type SECURELOAD at the command and press enter. Type 0 (zero) and press enter.

To 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.
Close the dialog box by picking OK.

BricsCAD Pro/Platinum 13 and later 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
Pick OK

Loading the menu

At the command prompt type MENULOAD or CUILOAD and press enter.
Select AUTOSD from the "Loaded Customization groups" and pick Unload. (Existing users)
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 19 and older: select autosd.**cuix**
BricsCAD 20 and later: select autosd.**cuix** if you are using the light theme and 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.
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.

Uninstalling AutoSD.

Open the Control Panel and pick Uninstall programs. Scroll down the list of programs until you find AutoSD Steel Detailing 2020. Select it and pick uninstall.

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 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.

Configure AutoSD.

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.

Starting AutoSD.

Start AutoCAD or BricsCAD. If you are using AutoCAD LT, you need to use CADSTA desktop icon to start AutoCAD LT.

Select File > NEW. Select "Use a Template" and select the autosd.dwt template from your C:\autosd\support folder.
Pick AutoSD > Format > SETUP or AutoSD I > Utilities > SETUP if you are using the ribbon menu.

Select AutoSD for Detail Variables, Unnamed - 24x36 for Shop bill, None for Material list and AutoSD for Color for the four configurations 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.

FT.IISS or II.SS

You will see this in most of the input prompts. It is the standard method of entering dimensions. If the current dimensional unit format is set to architectural the FT.IISS format will be used. If it is set to fractional the II.SS format will be used.

Where:

FT = number of feet

II = number of inches

SS = number of sixteenths

Using the **FT.IISS** format: Using the **II.SS** format:

1'- 3 1/2" would be entered as 1.0308   15 1/2" would be entered as 15.08

6'- 10 15/16" would be entered as 6.1015   82 15/16" would be entered as 82.15

4'-0" would be entered as 4   48" would be entered as 48

3 1/2" would be entered as .0308   1/2" would be entered as .08

This manual uses the FT.IISS format in the examples.

POSITIVE AND NEGATIVE

Many programs provide you with slide drawings or images in dialog boxes for user input. Positive input will go in the direction shown in the slide; negative input will go in the opposite direction from that shown in the slide

FT-II*SS

You will see this in most of the input prompts when you set up a drawing for CVSpro. It is the standard method of entering dimensions for CVSpro. If the current dimensional unit format is set to architectural the FT-II*SS format will be used.

Where:

FT = feet   II = inches   SS = sixteenths

Using the **FT-II*SS** format:
1'- 3 1/2" would be entered as 1-3*12
6'- 10 15/16" would be entered as 6-10*15
4'-0" would be entered as 4-
5 1/2" would be entered as 5*12
3" would be entered as 3
1/2" would be entered as *12

Feet are entered followed by a minus sign.   2'-0 = 2-
Inches are entered as a whole number.   3" = 3
Fractions are entered preceded by an asterisk.   1/2" = *12
Fractions are as follows:

1/16 = *1	5/16 = *5	9/16 = *9	13/16 = *13
1/8 = *18	3/8 = *38	5/8 = *58	7/8 = *78
3/16 = *3	7/16 = *7	11/16 = *11	15/16 = *15
1/4 = *14	1/2 = *12	3/4 = *34	