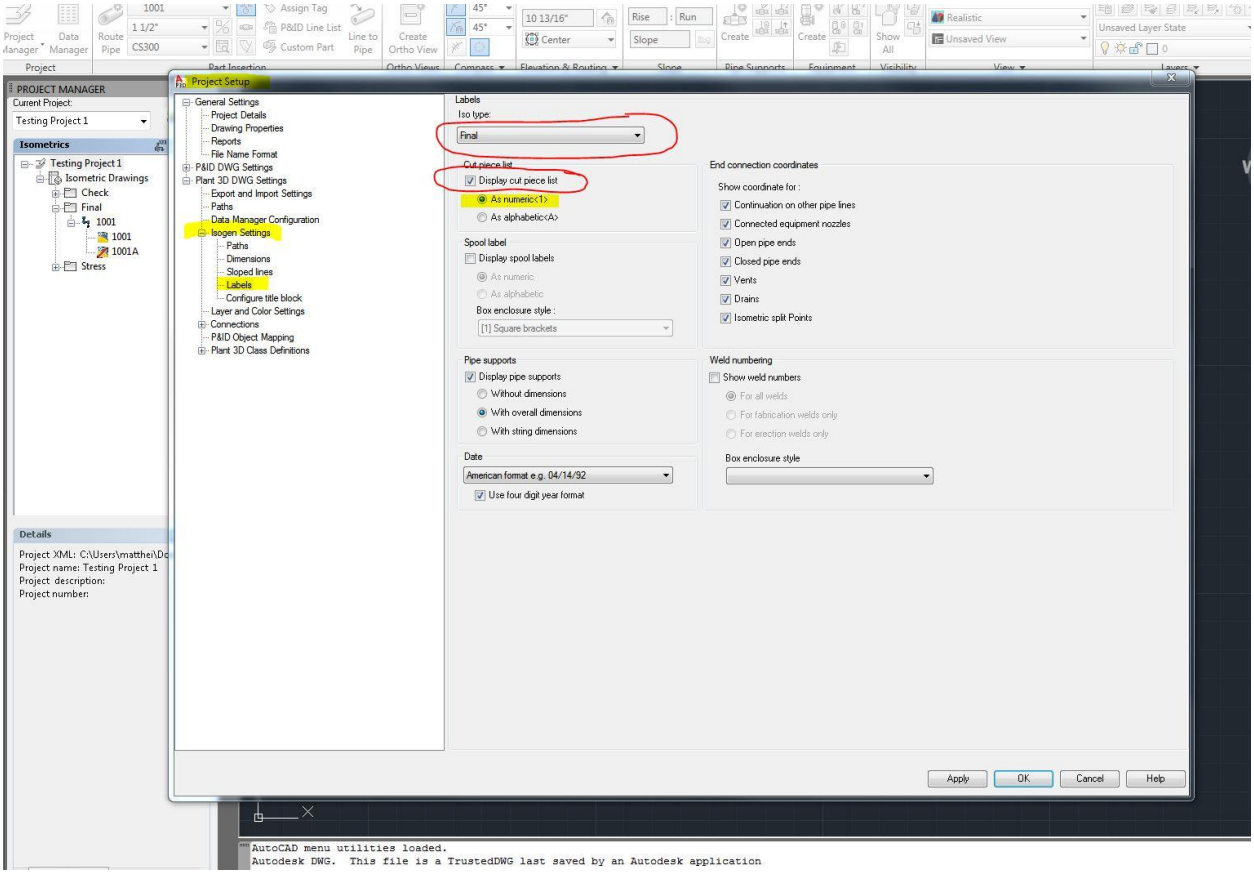
Adding A Cut Length Table in Isogen

This document will guide you through the process of adding a pipe cut length table in Isogen

There are 2 steps to this process:

1 – Set the Cut Length option in Isogen

In the HOME ribbon select PROJECT SETUP (or right-click on the project name in the project pane in Project Manager and then select “properties….”)



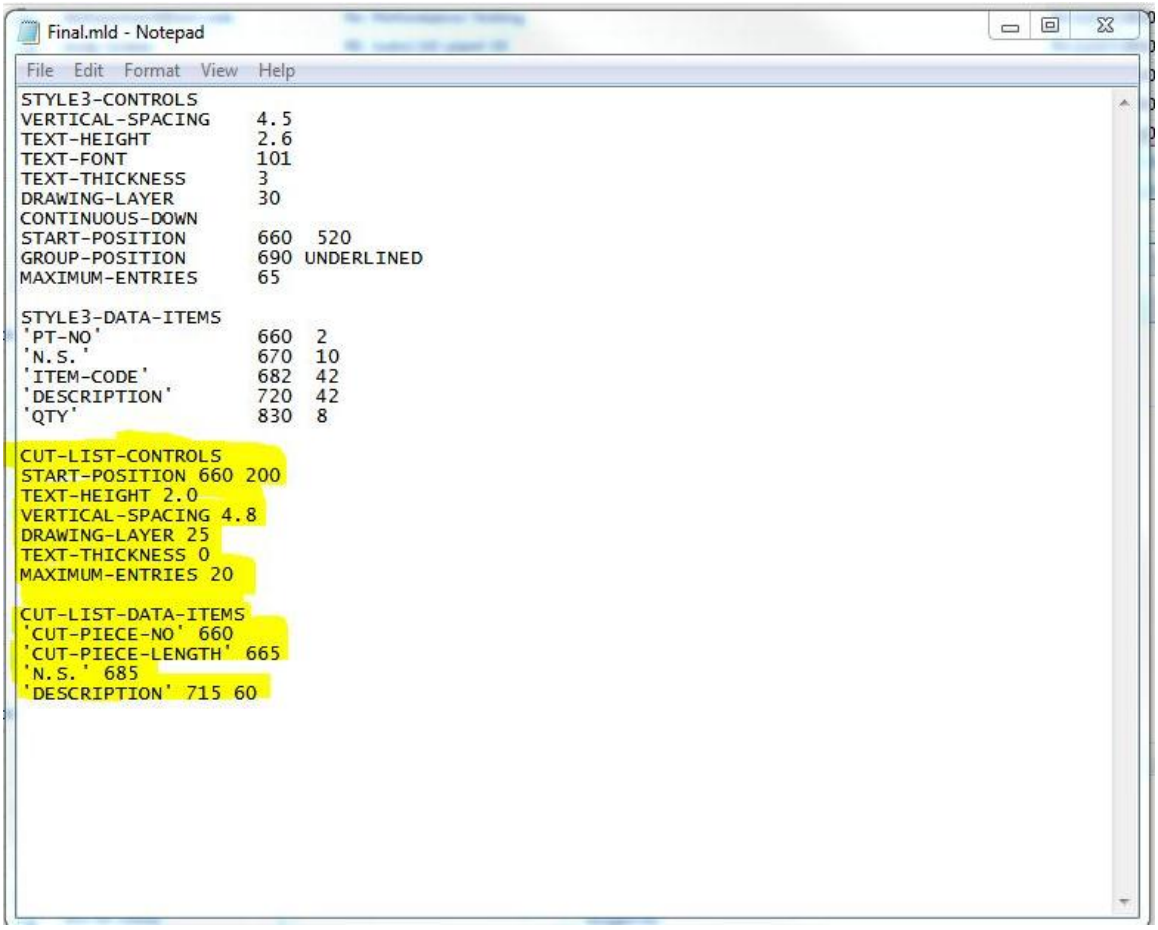
When this dialog appears:

1. Select Plant 3D DWG Settings → Isogen Settings → Labels
2. Select the type of Isometric you want cut lengths to appear
3. Check the “Display cut piece list” box and then select whether you want numeric or alphabetic labels
4. Click OK

2 – Format the Cut Piece List

Open the file xxxx.MLD using Notepad (xxxx is the iso type, Check, Final or Stress or whatever you named the custom type and is found in the …\ ‘project name’\ Isogen\xxxx folder)

Below is an example .MLD file with Cut Piece Format information added:

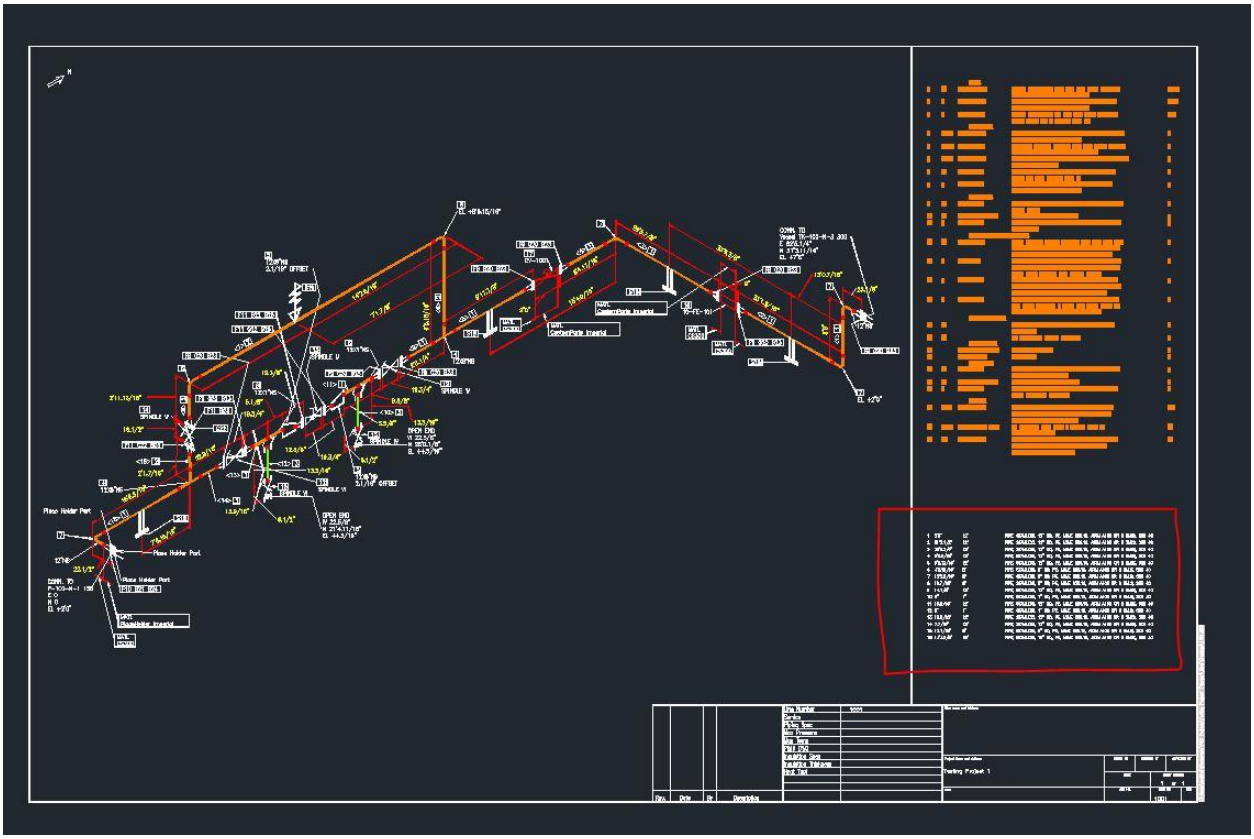


- Add the highlighted data into your .MLD file
- The “START-POSITION XXX YYY” indicates the top left corner of the cut piece list. Change XXX and YYY to your desired position in the drawing
- Under the “CUT-LIST-DATA-ITEMS”, the numbers indicate the x values for each item in the list. Change these values to suit your format.
- Save the file xxxx.MLD

You are now ready to create Isogen isometrics with cut piece lists

Resulting Isometric

If you follow the steps outlined above you will get the following:



23	1.1/8	CS300-7658	STUD BOLT 1 1/8" X 7" LG, ASTM A193, B7 W/2 HEX. NUT 1 1/8", ASTM A194, GR 2, 2 WASHER 1 1/8", ASTM F436	144
24	1.1/8	PlaceHolder Impe	PH IMPERIAL Stud Bolt 1 1/8"x6 3/4" Lg w/2 Hex. Nut 1 1/8"	16
25	7/8	CS300-7656	STUD BOLT 7/8" X 5 1/2" LG, ASTM A193, B7 W/2 HEX. NUT 7/8", ASTM A194, GR 2, 2 WASHER 7/8", ASTM F436	48

1	2'6"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
2	31'2.1/2"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
3	26'6.3/4"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
4	6'5.9/16"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
5	8'8.13/16"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
6	4'8.15/16"	8"	PIPE, SEAMLESS, 8" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
7	12'2.5/16"	8"	PIPE, SEAMLESS, 8" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
8	19.7/16"	8"	PIPE, SEAMLESS, 8" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
9	14.1/8"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
10	6"	1"	PIPE, SEAMLESS, 1" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
11	10.3/16"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
12	6"	1"	PIPE, SEAMLESS, 1" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
13	13.9/16"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
14	7.7/16"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
15	12.1/16"	8"	PIPE, SEAMLESS, 8" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40
16	14'4.5/8"	12"	PIPE, SEAMLESS, 12" ND, PE, ASME B36.10, ASTM A106 GR B SMLS, SCH 40

Line Number	1001
Service	
Piping Spec	

Firm name and Address

ei\appdata\local\temp\1001_1_1_2676.sv$ ...