

The background of the slide is a complex, abstract wireframe mesh in shades of gray. A solid blue horizontal band spans the middle of the image, serving as a backdrop for the title and speaker information.

Advanced Anxiety-Free Isometric Configuration in AutoCAD Plant 3D

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Learning Objectives

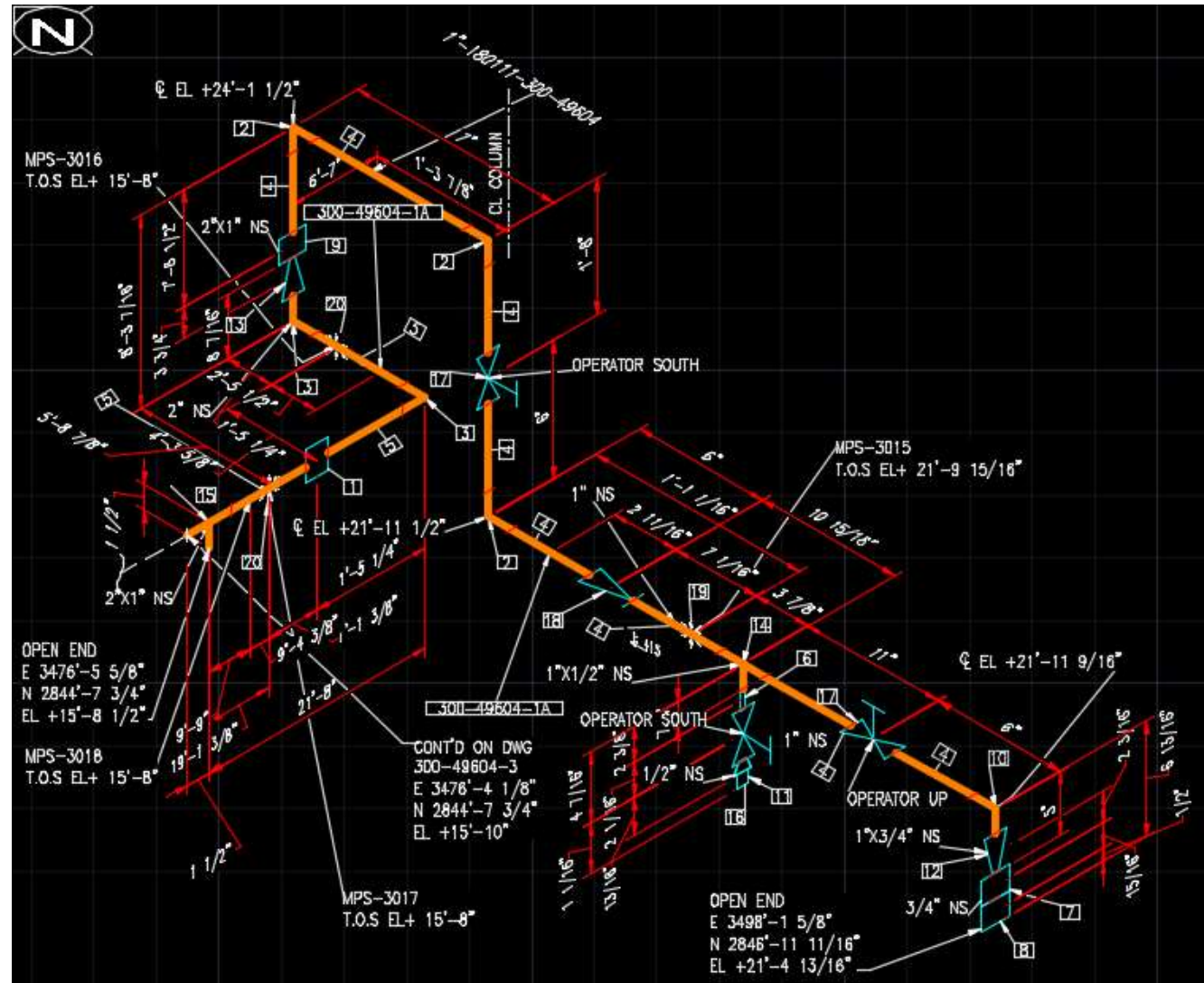
- Learn how to customize an isometric style using Project Setup in AutoCAD Plant 3D
- Learn how to do specific advanced customization directly in the IsoConfig.xml file
- Understand the different parts and syntax of the IsoConfig.xml file
- Learn how to create an isometric style template for future use

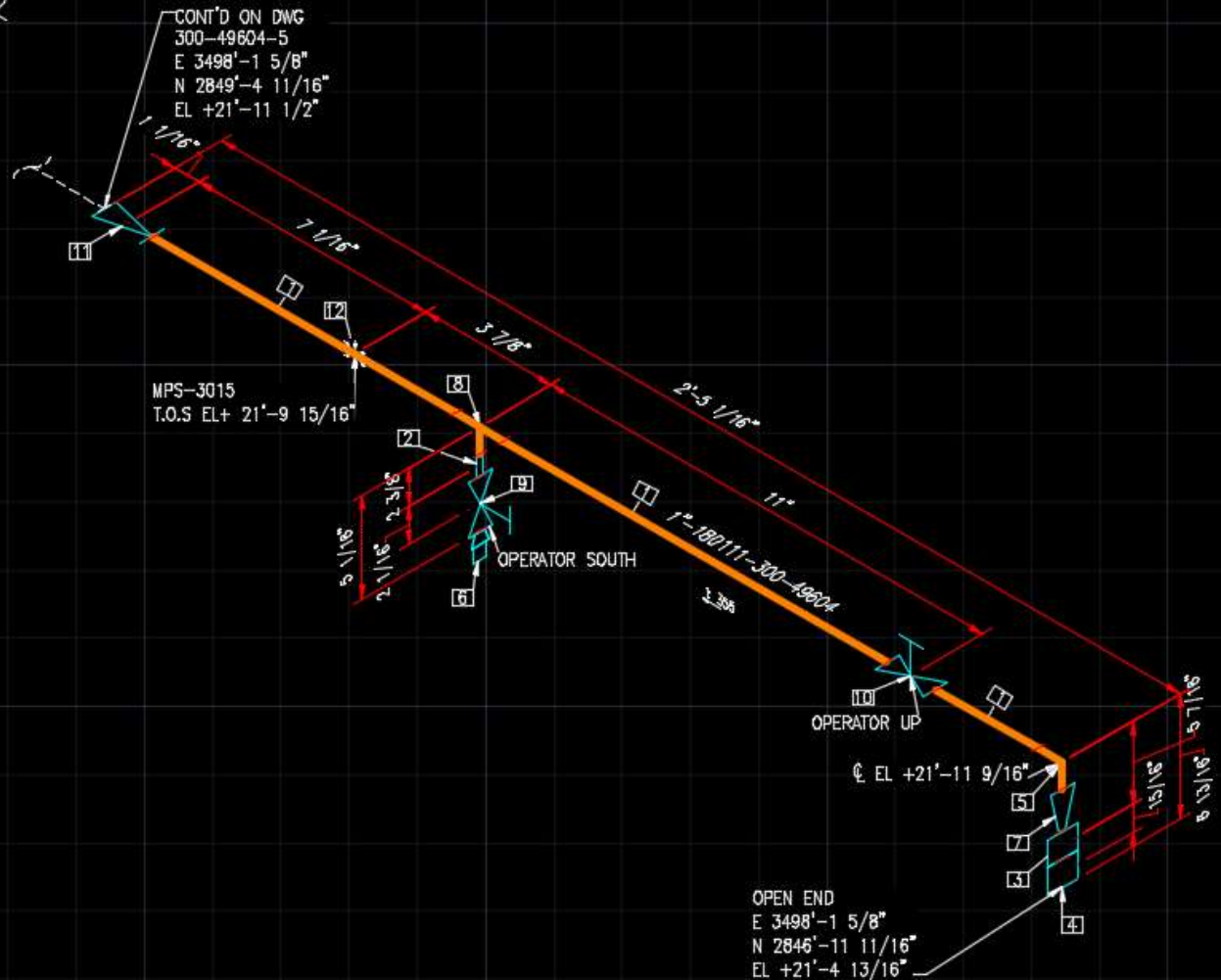
Speaker

Employed by Autodesk for the past 6 years. Part of the CS WW Project Delivery AMER as a Plant 3D and P&ID Implementation Consultant. Previously part of the ENI & TS-AMER Technical Sales Specialist Team. Concentrating on activities related to Plant 3D. Supports the North American AEC Named Accounts working with Owner / Operators and other Key Accounts. Has over 25 years' experience in the Oil and Gas industry as a Piping Designer, Drafter, and CAD Administrator. Prior to joining Autodesk, worked for several companies in the Petro/Chemical markets including Wink Engineering, ACPlant dba Flow Logic International and Jacobs Engineering. My work-related interests include pipe design, software support and training. Also, worked as a System Administrator, AutoCAD Programmer, Trainer and CAD Coordinator with several software applications during his pre-Autodesk career.

Agenda

- Isometric Configuration – Project Manager
 - Symbols and Reference
 - Editing Isometric Symbols
 - Iso Style Setup
 - Iso Style Default Settings
 - Annotations
 - Dimensions
 - Themes
- IsoConfig.xml
 - Autodesk Iso Style Editor (Beta)
 - Modifying the IsoConfig.xml
- Isometric Symbols (SKEY)
 - IsoSkeyAcadBlockMap.xml
 - IsoSymbolStyles.dwg





The background of the slide features a complex, abstract wireframe pattern. This pattern consists of numerous interconnected lines forming a mesh of irregular polygons, creating a three-dimensional, organic structure that resembles a network or a series of interlocking tubes. The lines are thin and grey. A solid blue horizontal bar spans the bottom portion of the image, providing a contrasting background for the white text.

Isometric Configuration – Project Manager

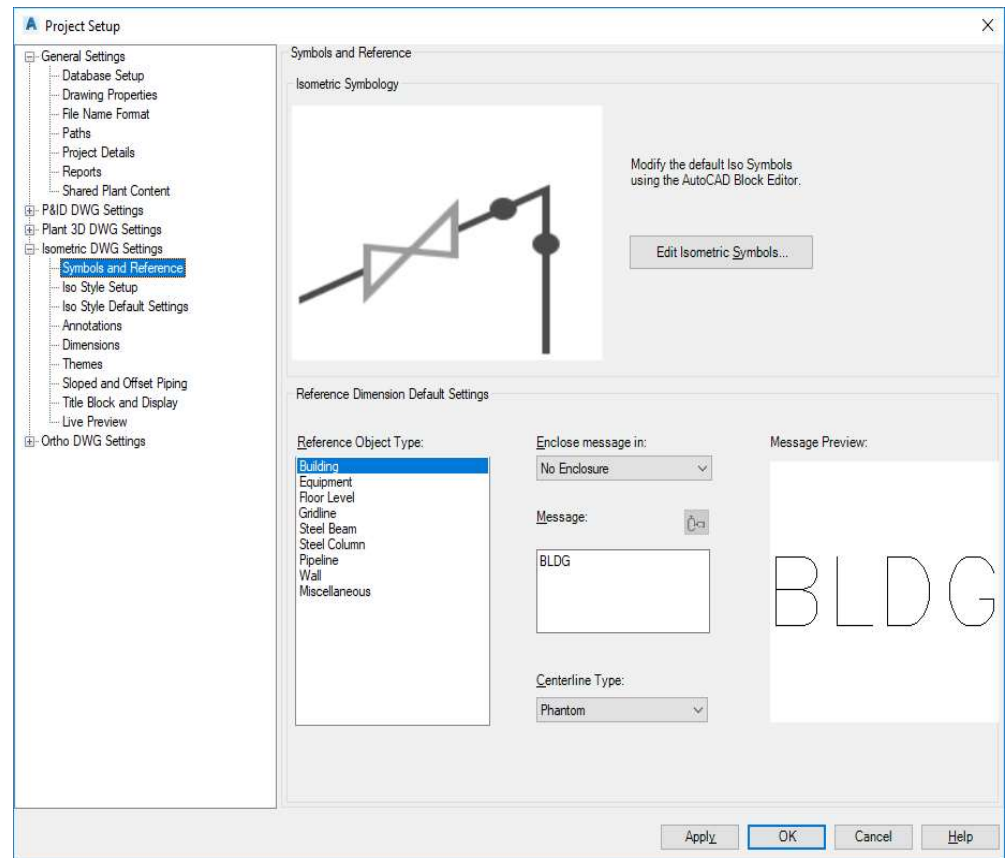
Symbols and Reference

- Modify Isometric Symbolology (SKEY)
- Modify Reference Dimension Default Settings

IsoSymbolStyles.dwg

- Iso Message symbols

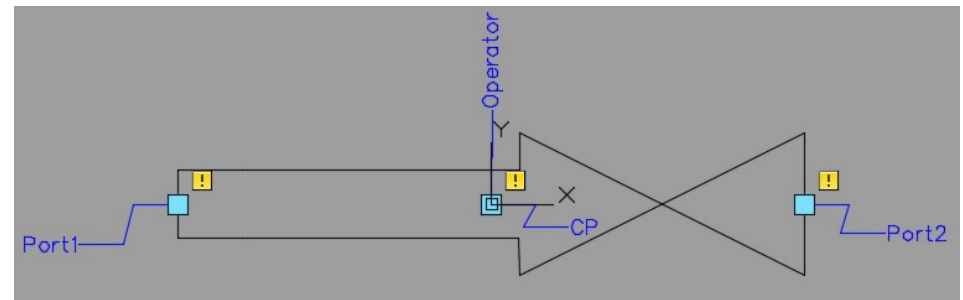
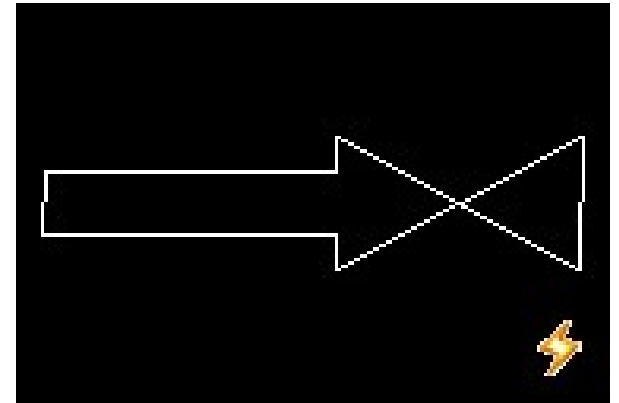
Plant3dIsoSymbols.dwg



Symbols and Reference

Editing Isometric Symbols

- AutoCAD Blocks
- Minimal use of Dynamic Block parameters
 - Port(s) Parameter
 - Operator Parameter
 - CP Parameter
- *IsoSkeyAcadBlockMap.xml*



```
<SkeyMap SKEY = "VE??" AcadBlock = "ExtBodyGateValve"/>
```

Iso Style Setup

The Iso Style that was modified for this class is called **AU_Final_ANSI-C**. Except for **Content paths** all other settings in this dialog are set to their default values.

- Drawing Format
- File Naming
- Spool Naming
- Spool Size
- Isometric Output Paths

The screenshot shows the 'Project Setup' dialog box with the 'Iso Style Setup' tab selected. The left-hand tree view lists various settings categories, with 'Iso Style Setup' highlighted. The main panel on the right contains the following settings:

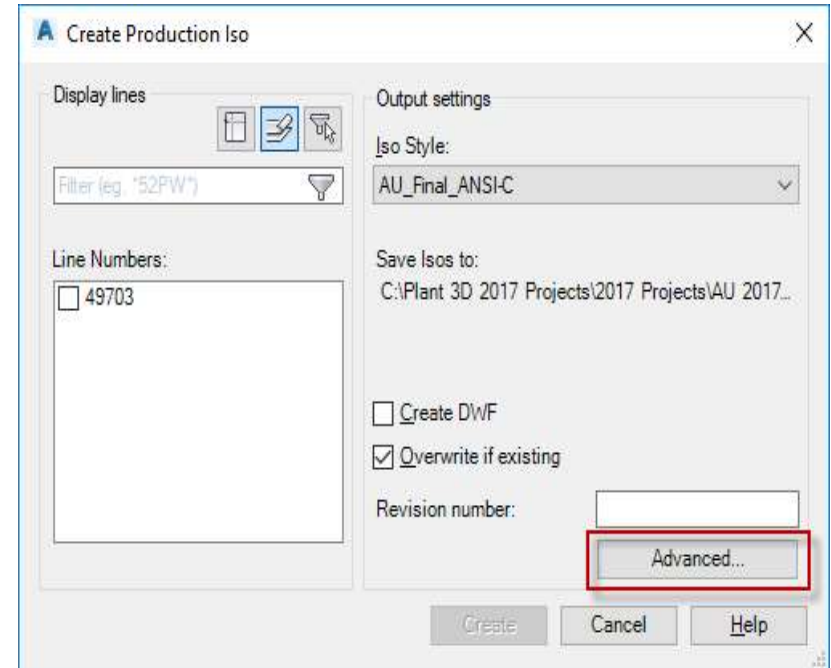
- General Settings:** A dropdown menu is set to 'AU_Final_ANSI-C'. There is a '+' button and a checkbox for 'Spool format' which is unchecked.
- Drawing format:** Includes checkboxes for 'Place field welds at maximum pipe lengths' (unchecked) and 'Add pipe make length to BOM for Field Fit Welds' (checked). Input fields for 'Maximum pipe length' (0") and 'Makeup Length' (3") are present. A 'Table overflow' section offers 'Use a blank sheet' (unchecked) and 'Split the drawing' (checked).
- File naming:** Features a 'Prefix' field with '%Line Number%', a 'Sample' field with '49703-1', and an 'Add property' dropdown set to 'Line Number'. The 'Delimiter' is '-' and the 'Suffix' is 'Numeric (01, 02, ...)'. A 'Spool naming' dropdown is set to 'Line-Numeric (101-1)'.
- Spools:** The 'Sizing method' is 'Automatic (Max. size)'. Dimensions are set to Length: 10', Width: 40', and Height: 8'.
- Content paths:** Three directories are listed: 'Iso Style files directory', 'Production iso output directory', and 'Quick iso output directory', all pointing to 'C:\Plant 3D 2017 Projects\2017 Projects\A'.

At the bottom of the dialog are buttons for 'Apply', 'OK', 'Cancel', and 'Help'.

Iso Style Setup

Iso Style Default Settings

When creating isometrics, you have option to change some settings at run time by selecting the **Advanced...** button.

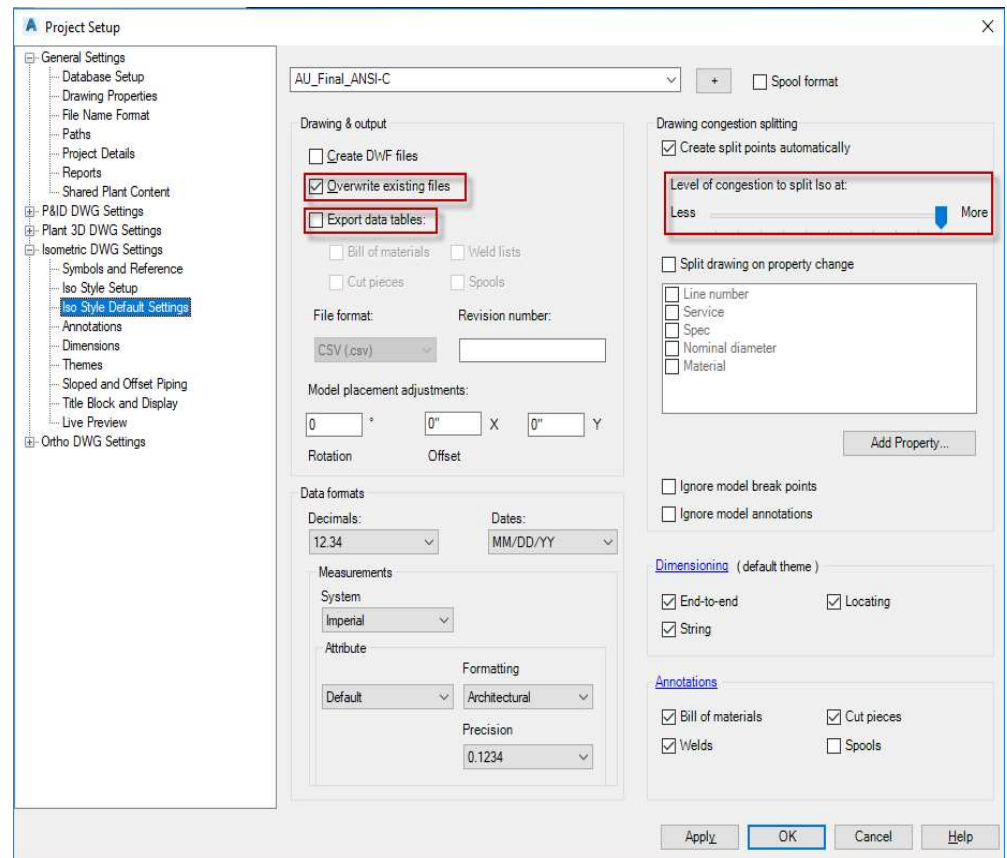


Iso Style Default Settings

Iso Style Default Settings

Or set these values as default through the *Iso Style Defaults Settings* in *Project Setup*.

- Turn on Overwrite existing files
- Level of congestion to split isometric at: Set to More
- Turn off Export data tables

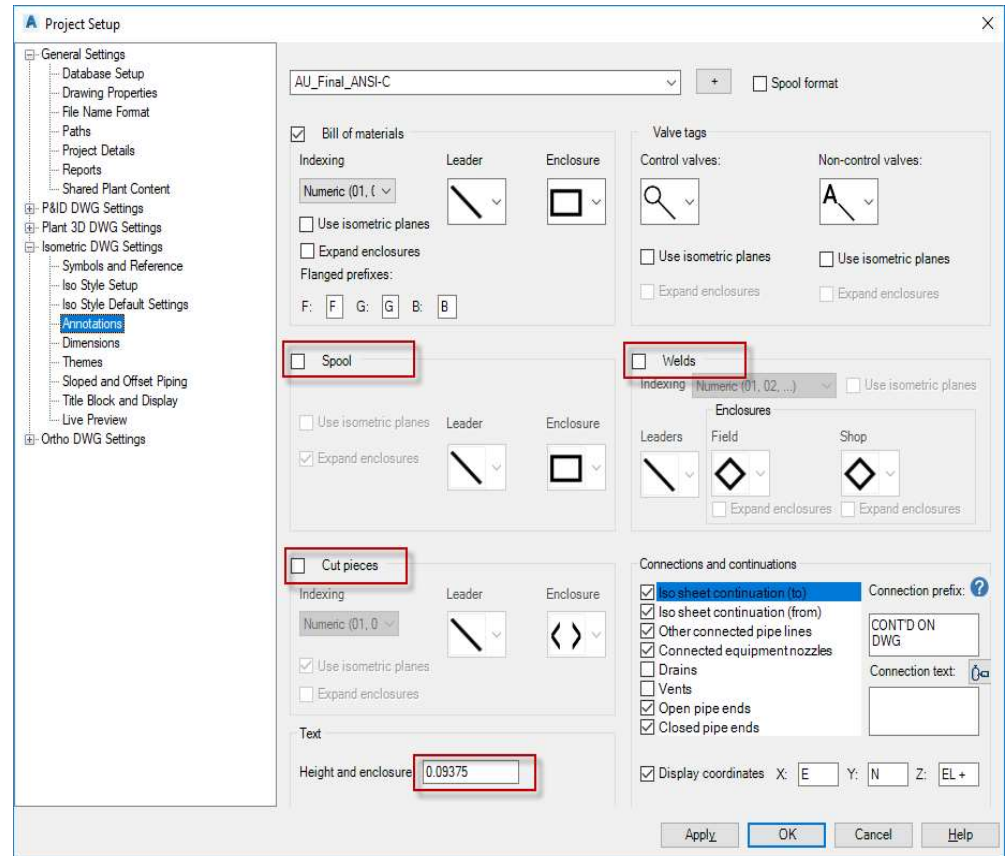


Iso Style Default Settings

Annotations

This dialog specifies the callout symbols and leaders for BOM, Valve tags, Spools, Welds and Cut pieces.

- Spool, Welds, and Cut pieces annotation has been turned **off**.
- Enclosure height and text have been set to **0.09375**.
- Connectors and Continuations

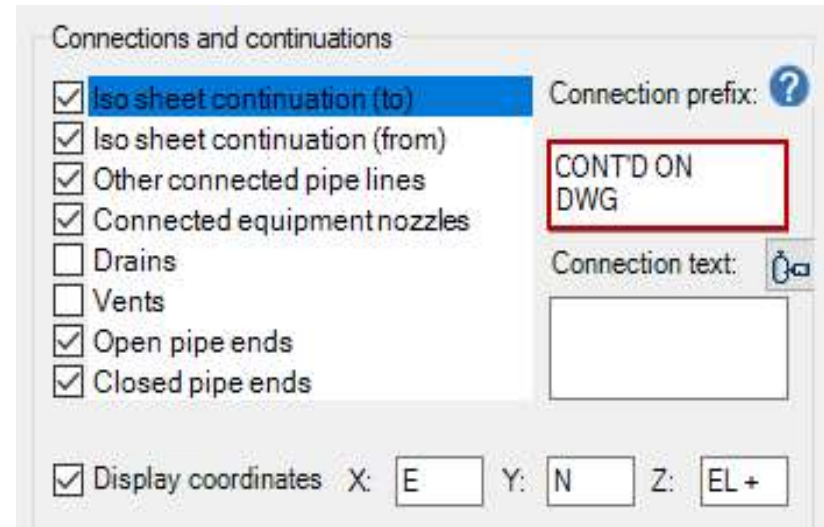


Annotation

Connectors and Continuations

These settings determine the how the different connection and continuations are labeled on the isometric.

- Iso sheet continuation (to)
- Iso sheet continuation (from)
- Other connected pipe line
- Connected equipment nozzles
- Drains
- Vents
- Open pipe ends
- Closed pipe ends

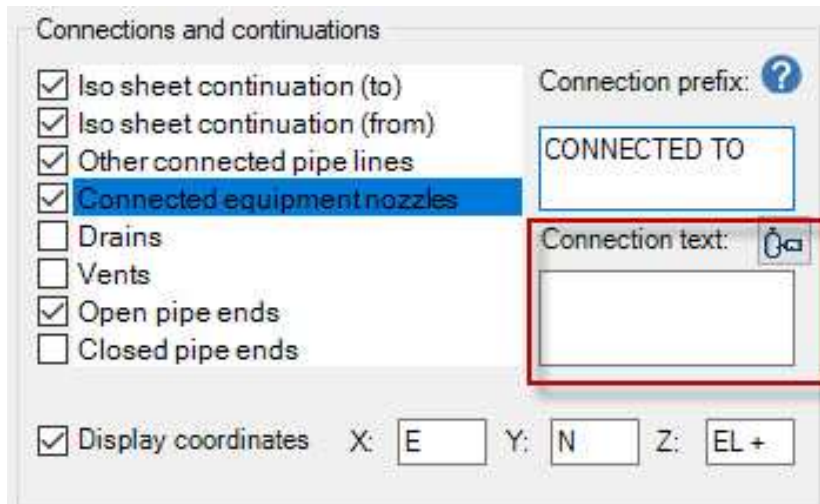


Iso Sheet Configuration

Refer to Handout for additional connection settings

Connection Text:

The Connection text box allows you to change the information shown on the isometric continuation.



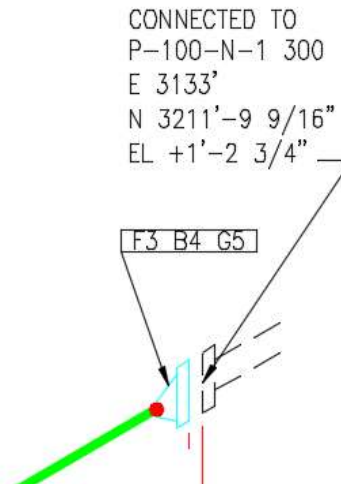
Iso Sheet Configuration

Add the following:

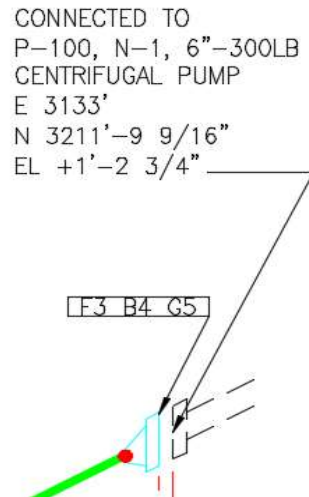
`<Equipment.Tag>, <Nozzle.Tag>,
<Nozzle.Size>-<Nozzle.PressureClass>
LB$<Equipment.PartSizeLongDesc>`

The "\$" in the text represents typing the "Enter" key to start a new text line.

Out-of-the-Box



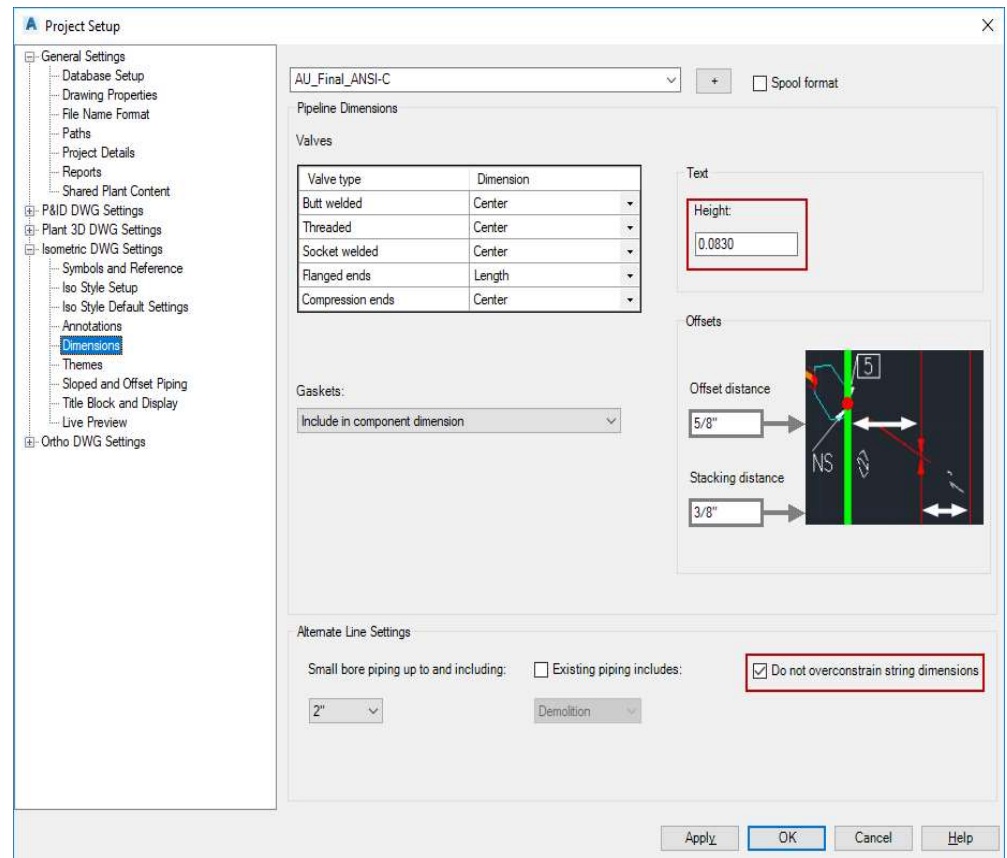
New Results



Dimensions

Sets the format for dimensions placed in isometric drawings.

- Dimension text height: **0.0830**
- Do not over constrain string dimensions is checked.

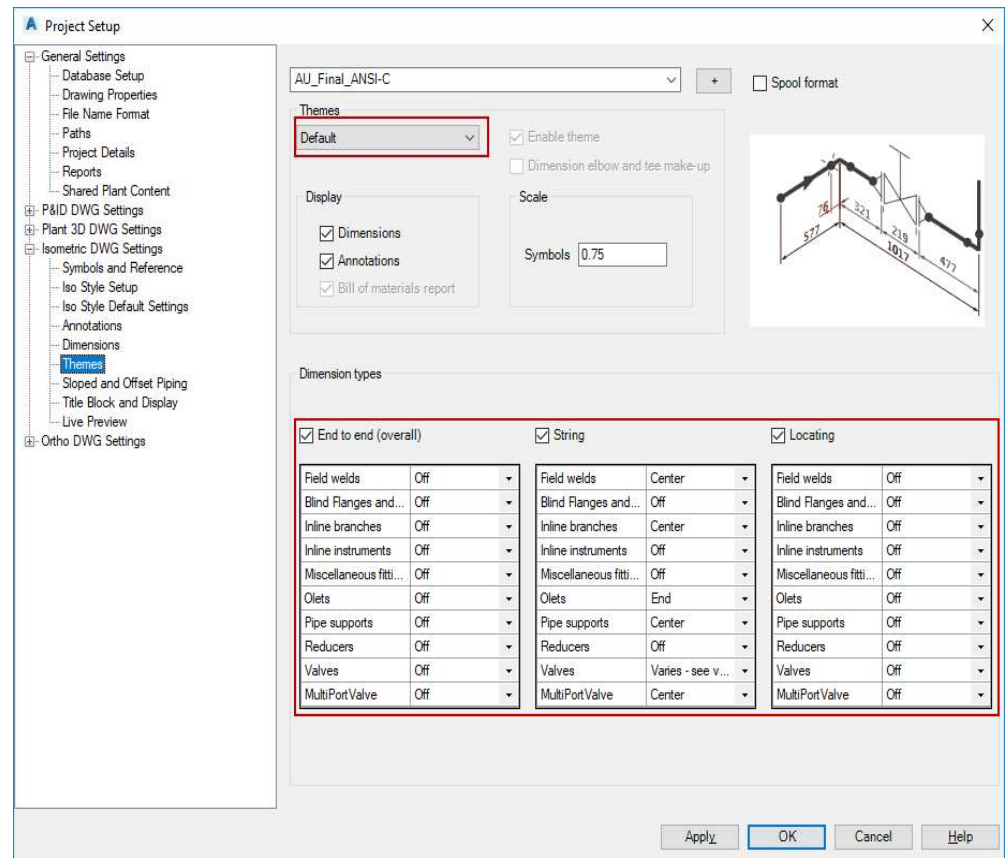


Dimensions

Themes

Specifies dimension, annotation, and isometric symbol scale for piping and override themes.

- Default
- Fitting To Fitting
- Small Bore Piping
- Vent / Drain Piping
- Offline Instrument Connection
- Existing Piping
- Continuation / Connection Piping
- Sloped and Offset Piping

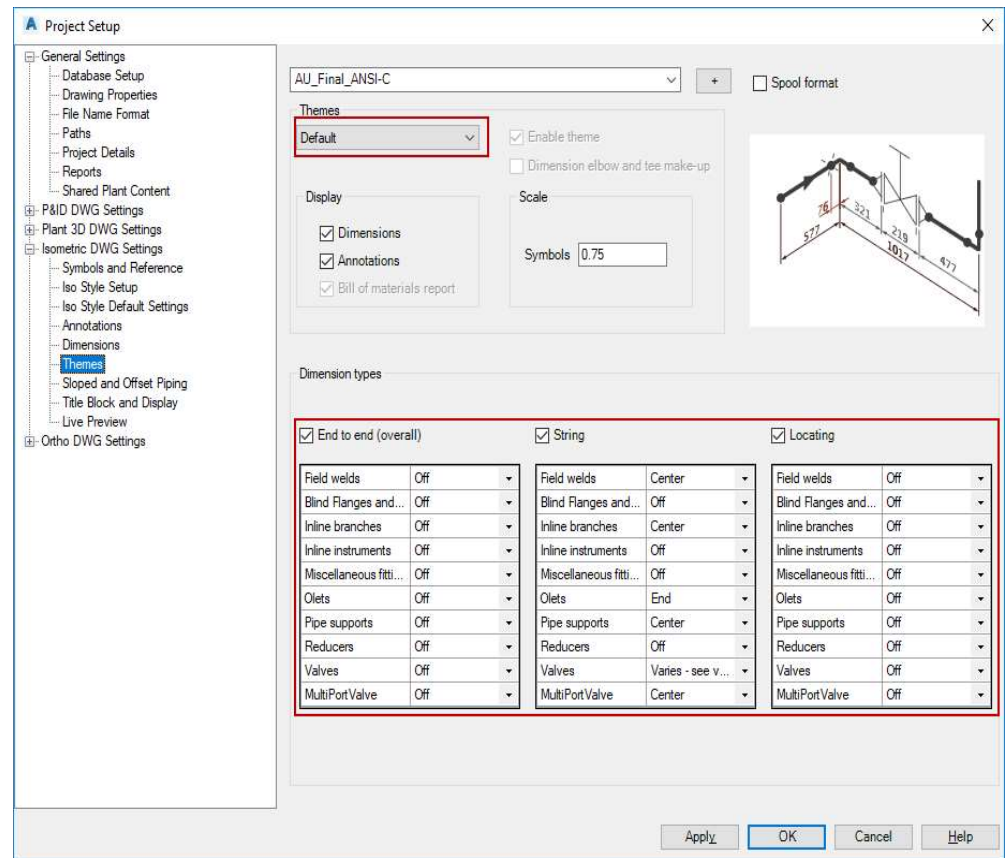


Themes

Default Theme

Specifies isometric options for normal piping.

- Display
 - Dimension – Enabled
 - Annotation – Enabled
 - Bill of Material Report - Disabled
- Scale
- Dimension Types
 - End to end (overall) - Enabled
 - String - Enabled
 - Locating - Enabled

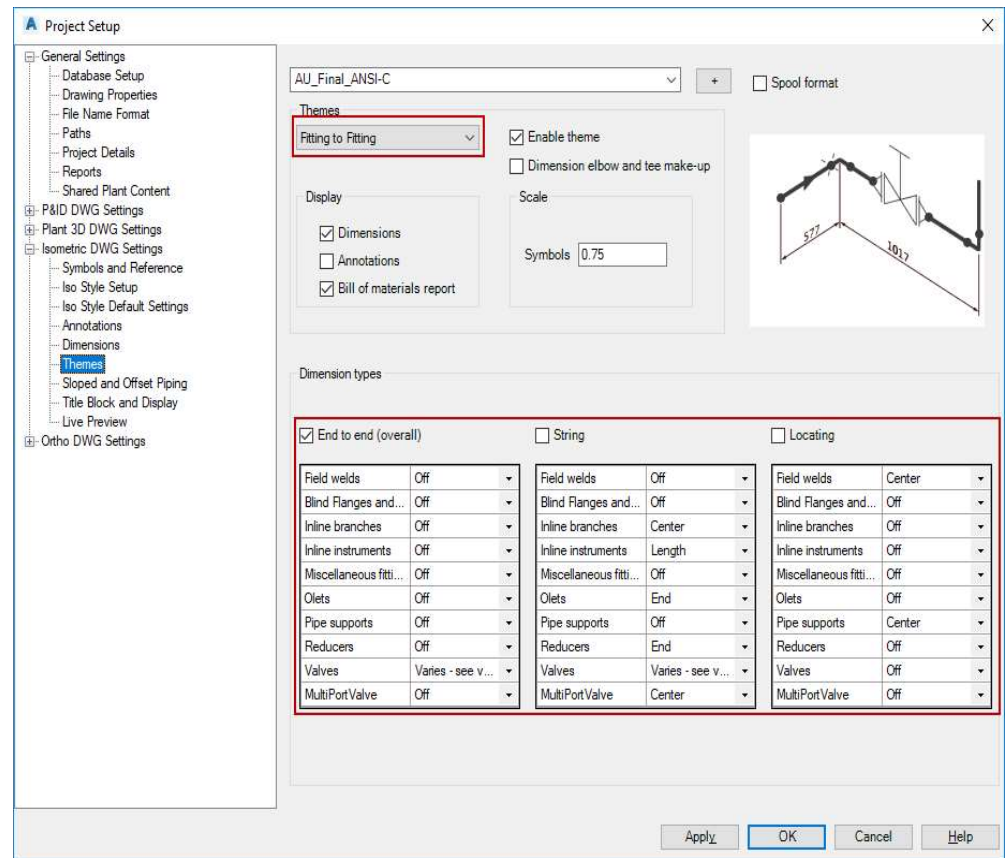


Default Theme

Fitting to Fitting Theme - Override

Specifies isometric options for fittings that are connected.

- Display
 - Dimension – Enabled
 - Annotation – Disabled
 - Bill of Material Report - Enabled
- Scale
- Dimension Types
 - End to end (overall) - Enabled
 - String - Disabled
 - Locating - Disabled

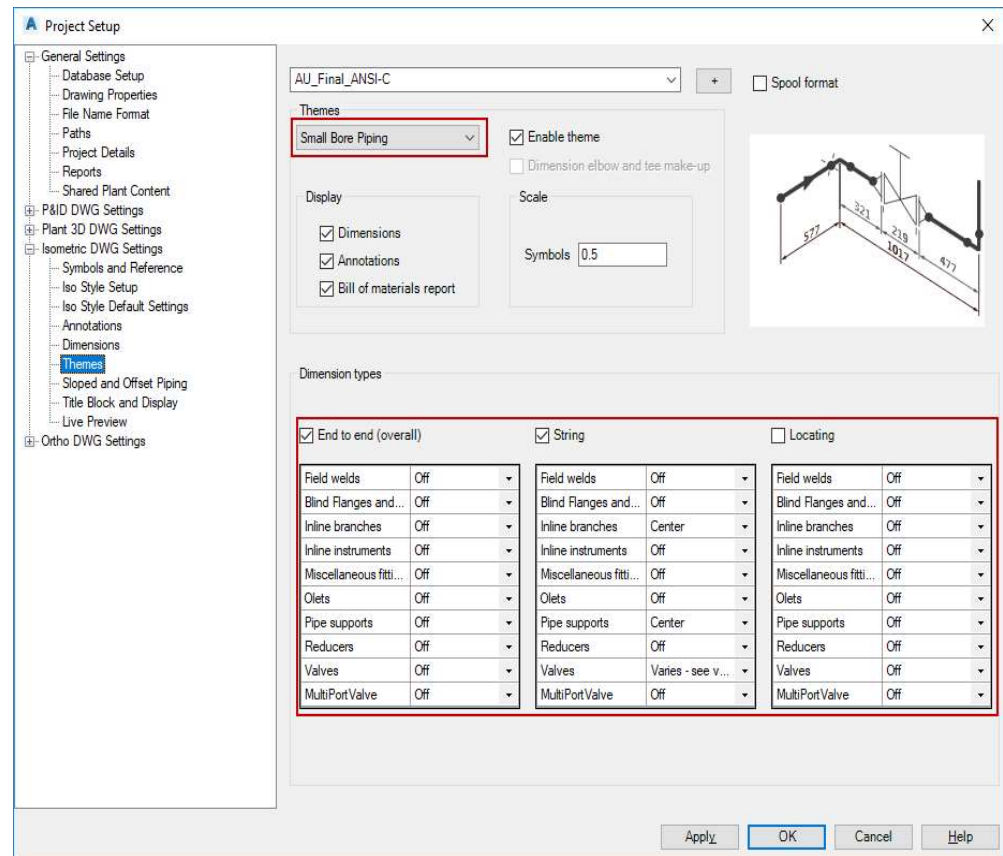


Fitting to Fitting Theme

Small Bore Piping Theme - Override

Specifies isometric options for small bore fittings and pipe as defined in the [Dimension](#) section above.

- Display
 - Dimension – Enabled
 - Annotation – Enabled
 - Bill of Material Report - Enabled
- Scale
- Dimension Types
 - End to end (overall) - Enabled
 - String - Enabled
 - Locating - Disabled

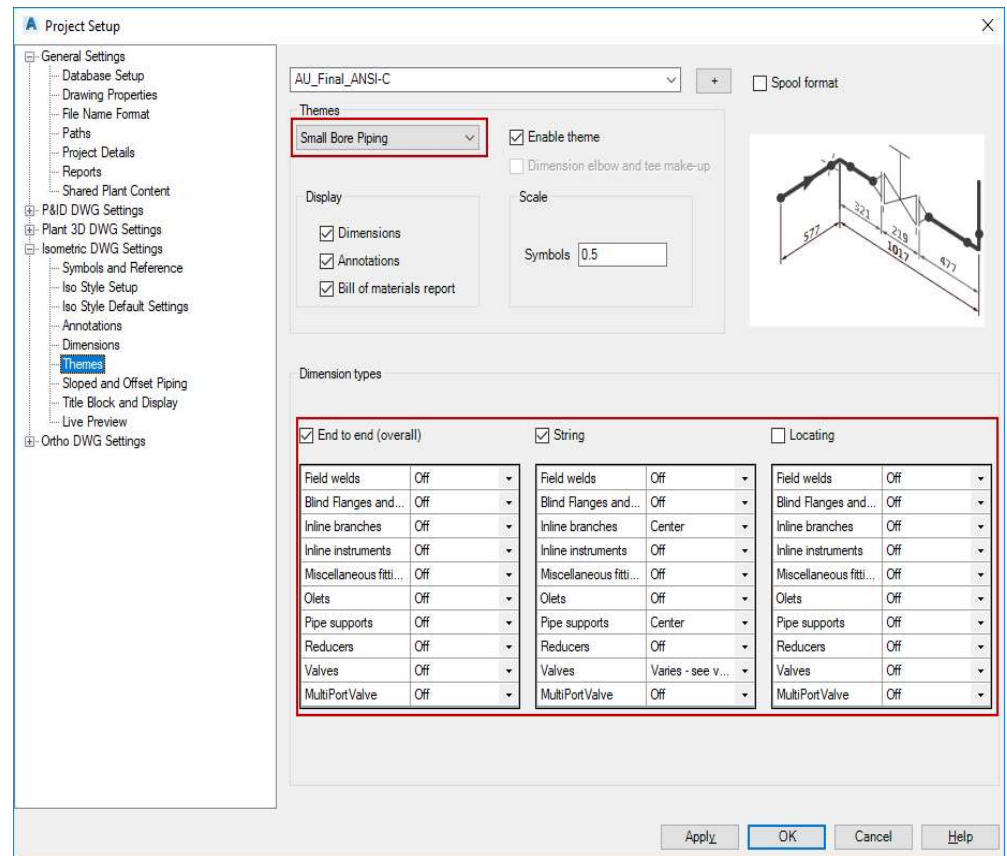


Small Bore PipingTheme

Vent/Drain Piping Theme - Override

Specifies isometric options for Vent and Drain piping.

- Display
 - Dimension – Disabled
 - Annotation – Enabled
 - Bill of Material Report - Enabled
- Scale
- Dimension Types
 - End to end (overall) - Disabled
 - String - Disabled
 - Locating - Disabled

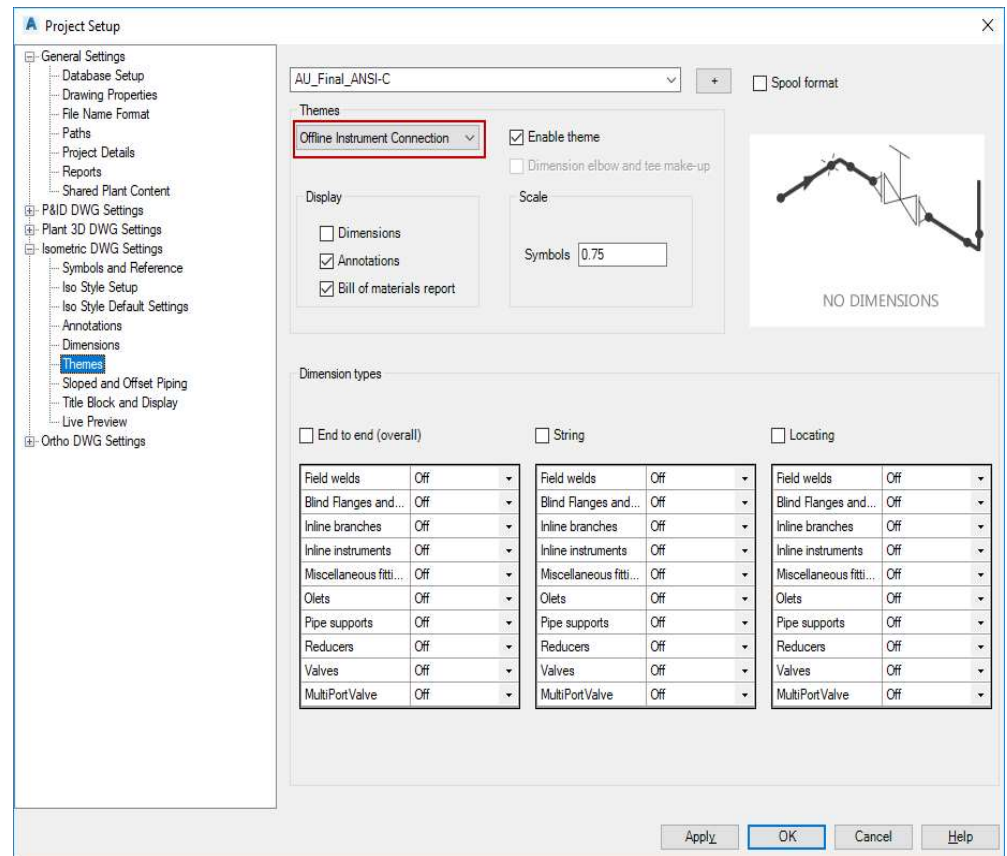


Vent/Drain Piping Theme

Offline Instrument Connection – Override

Specifies isometric options for offline instruments.

- Display
 - Dimension – Disabled
 - Annotation – Enabled
 - Bill of Material Report - Enabled
- Scale
- Dimension Types
 - End to end (overall) - Disabled
 - String - Disabled
 - Locating - Disabled

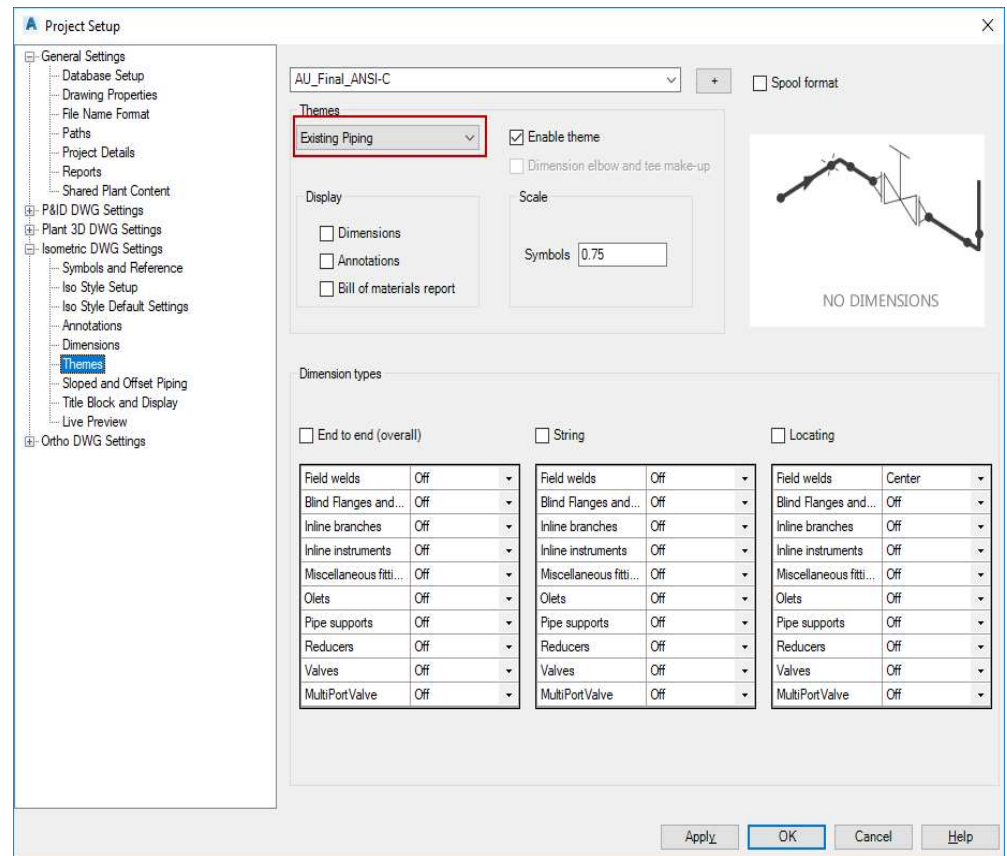


Offline Instrument Connection Theme

Existing Piping Theme - Override

Specifies isometric options for existing pipe and fittings.

- Display
 - Dimension – Disabled
 - Annotation – Disabled
 - Bill of Material Report - Disabled
- Scale
- Dimension Types
 - End to end (overall) - Disabled
 - String - Disable
 - Locating - Disabled

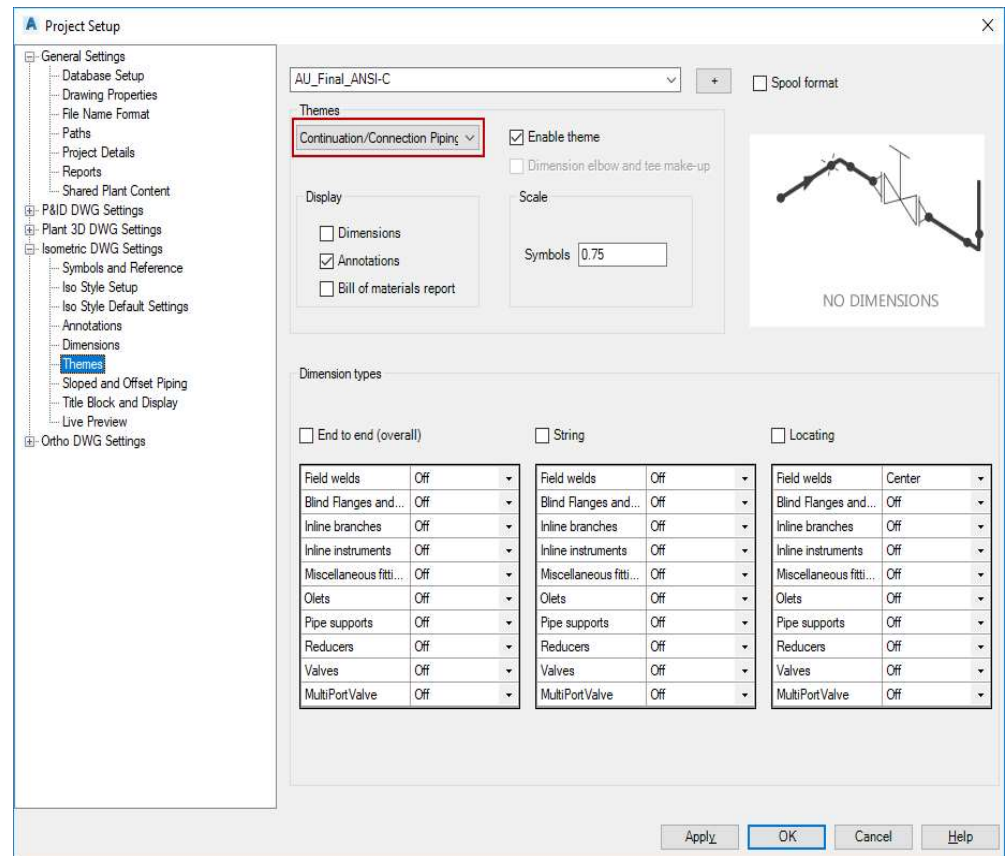


Existing Piping Theme

Continuation/Connection Theme - Override

Specifies isometric options for continuations and/or connections.

- Display
 - Dimension – Disabled
 - Annotation – Enabled
 - Bill of Material Report - Disabled
- Scale
- Dimension Types
 - End to end (overall) - Disabled
 - String - Disable
 - Locating - Disabled

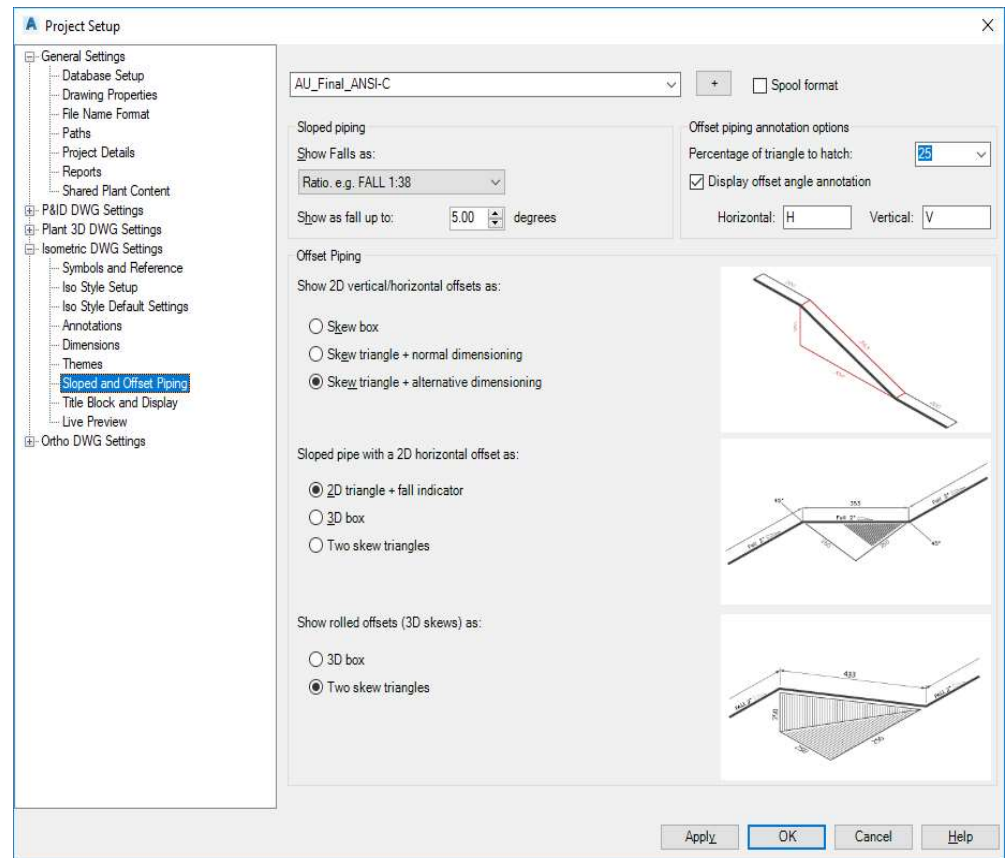


Continuation/Connection Theme

Slope and Offset Piping

Specifies formatting for sloped lines, including falls, 2D offsets, and 3D offsets.

- No change to the default settings

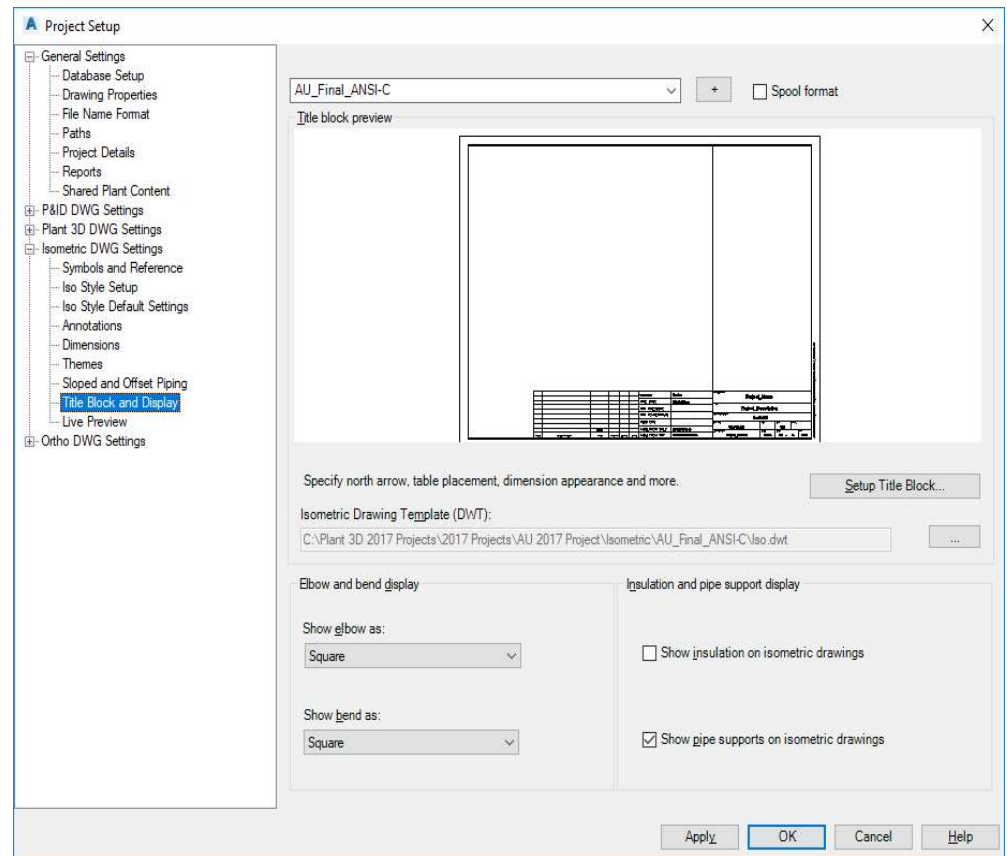


Slope and Offset Piping

Title Block and Display

Sets up the title block for isometric drawings

- Elbow & Bend Display = Square
- Show Insulation = Disabled
- Show Pipe Supports = Enabled
- Setup Title Block...



Title Block and Display

Setup Title Block...

Removed:

- Cut Piece Table
- Weld List Table

The screenshot shows a software interface with a large green workspace on the left and a title block on the right. The title block contains a table of materials and a table of specifications. A red box highlights a section of the title block.

BILL OF MATERIALS				
#	QTY	UOM	DESCRIPTION	REMARKS
1	1	EA	PIPE 1/2"	
2	1	EA	FLANGE 1/2"	
3	1	EA	WELD 1/2"	
4	1	EA	VALVE 1/2"	
5	1	EA	ARMOR 1/2"	
6	1	EA	FLANGE 1/2"	
7	1	EA	WELD 1/2"	
8	1	EA	VALVE 1/2"	
9	1	EA	ARMOR 1/2"	
10	1	EA	FLANGE 1/2"	
11	1	EA	WELD 1/2"	
12	1	EA	VALVE 1/2"	
13	1	EA	ARMOR 1/2"	
14	1	EA	FLANGE 1/2"	
15	1	EA	WELD 1/2"	
16	1	EA	VALVE 1/2"	
17	1	EA	ARMOR 1/2"	
18	1	EA	FLANGE 1/2"	
19	1	EA	WELD 1/2"	
20	1	EA	VALVE 1/2"	
21	1	EA	ARMOR 1/2"	
22	1	EA	FLANGE 1/2"	
23	1	EA	WELD 1/2"	
24	1	EA	VALVE 1/2"	
25	1	EA	ARMOR 1/2"	
26	1	EA	FLANGE 1/2"	
27	1	EA	WELD 1/2"	
28	1	EA	VALVE 1/2"	
29	1	EA	ARMOR 1/2"	
30	1	EA	FLANGE 1/2"	
31	1	EA	WELD 1/2"	
32	1	EA	VALVE 1/2"	
33	1	EA	ARMOR 1/2"	
34	1	EA	FLANGE 1/2"	
35	1	EA	WELD 1/2"	
36	1	EA	VALVE 1/2"	
37	1	EA	ARMOR 1/2"	
38	1	EA	FLANGE 1/2"	
39	1	EA	WELD 1/2"	
40	1	EA	VALVE 1/2"	
41	1	EA	ARMOR 1/2"	
42	1	EA	FLANGE 1/2"	
43	1	EA	WELD 1/2"	
44	1	EA	VALVE 1/2"	
45	1	EA	ARMOR 1/2"	
46	1	EA	FLANGE 1/2"	
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49	1	EA	ARMOR 1/2"	
50	1	EA	FLANGE 1/2"	
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53	1	EA	ARMOR 1/2"	
54	1	EA	FLANGE 1/2"	
55	1	EA	WELD 1/2"	
56	1	EA	VALVE 1/2"	
57	1	EA	ARMOR 1/2"	
58	1	EA	FLANGE 1/2"	
59	1	EA	WELD 1/2"	
60	1	EA	VALVE 1/2"	
61	1	EA	ARMOR 1/2"	
62	1	EA	FLANGE 1/2"	
63	1	EA	WELD 1/2"	
64	1	EA	VALVE 1/2"	
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66	1	EA	FLANGE 1/2"	
67	1	EA	WELD 1/2"	
68	1	EA	VALVE 1/2"	
69	1	EA	ARMOR 1/2"	
70	1	EA	FLANGE 1/2"	
71	1	EA	WELD 1/2"	
72	1	EA	VALVE 1/2"	
73	1	EA	ARMOR 1/2"	
74	1	EA	FLANGE 1/2"	
75	1	EA	WELD 1/2"	
76	1	EA	VALVE 1/2"	
77	1	EA	ARMOR 1/2"	
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79	1	EA	WELD 1/2"	
80	1	EA	VALVE 1/2"	
81	1	EA	ARMOR 1/2"	
82	1	EA	FLANGE 1/2"	
83	1	EA	WELD 1/2"	
84	1	EA	VALVE 1/2"	
85	1	EA	ARMOR 1/2"	
86	1	EA	FLANGE 1/2"	
87	1	EA	WELD 1/2"	
88	1	EA	VALVE 1/2"	
89	1	EA	ARMOR 1/2"	
90	1	EA	FLANGE 1/2"	
91	1	EA	WELD 1/2"	
92	1	EA	VALVE 1/2"	
93	1	EA	ARMOR 1/2"	
94	1	EA	FLANGE 1/2"	
95	1	EA	WELD 1/2"	
96	1	EA	VALVE 1/2"	
97	1	EA	ARMOR 1/2"	
98	1	EA	FLANGE 1/2"	
99	1	EA	WELD 1/2"	
100	1	EA	VALVE 1/2"	

SPECIFICATIONS				
ITEM	DESCRIPTION	DATE	REVISION	APPROVED
1	SERVICE			
2	PIPE SPEC			
3	MAX PRESSURE			
4	MAX TEMPERATURE			
5	PMO DWG			
6	INSULATION SPEC			
7	INSULATION THK			

PROJECT DATA				
ITEM	DESCRIPTION	DATE	REVISION	APPROVED
1	PROJECT NAME			
2	CLIENT			
3	LOCATION			
4	DATE			
5	TIME			
6	BY			
7	DATE			
8	TIME			
9	BY			
10	DATE			
11	TIME			
12	BY			
13	DATE			
14	TIME			
15	BY			
16	DATE			
17	TIME			
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91	DATE			
92	TIME			
93	BY			
94	DATE			
95	TIME			
96	BY			
97	DATE			
98	TIME			
99	BY			
100	DATE			

Setup Title Block

Table Setup

Table Layout

This dialog configures the columns and column layout to be used for the Bill of

- Used defaults
- Table type: *Bill of Materials*
- BOM Layout template:
Grouped w/category titles
- Single column for Schedule and Pressure class
- No new columns added

The screenshot shows the 'Table Setup' dialog box with the 'Table Layout' tab selected. The 'Table type' is set to 'Bill of Materials' and the 'BOM layout template' is set to 'Grouped with category titles'. A table lists columns with checkboxes for selection. The 'Show Column' row is highlighted, and the 'ID', 'QTY', 'ND', 'SCH/CLASS', 'DESCRIPTION', and 'MATERIAL' columns are checked. Below the table, the checkbox 'Use a single column for Schedule and Pressure Class' is checked. The 'Add Column...' button is disabled. The 'OK', 'Cancel', and 'Help' buttons are at the bottom.

	ID	QTY	ND	SCH/CLASS	DESCRIPTION	MATERIAL
► Show Column	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipe	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fittings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Olets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Flanges	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fasteners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Valves	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pipe Supports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Table Layout

Table Setup

Table Settings

Specifies the bill of materials settings.

- *Used defaults*
- *Sort Ascending*
- *Disable Cutback annotation*
- *Fixed Length Pipe*
 - Enable Cutback annotation*
- *Use Long Description (Family)*

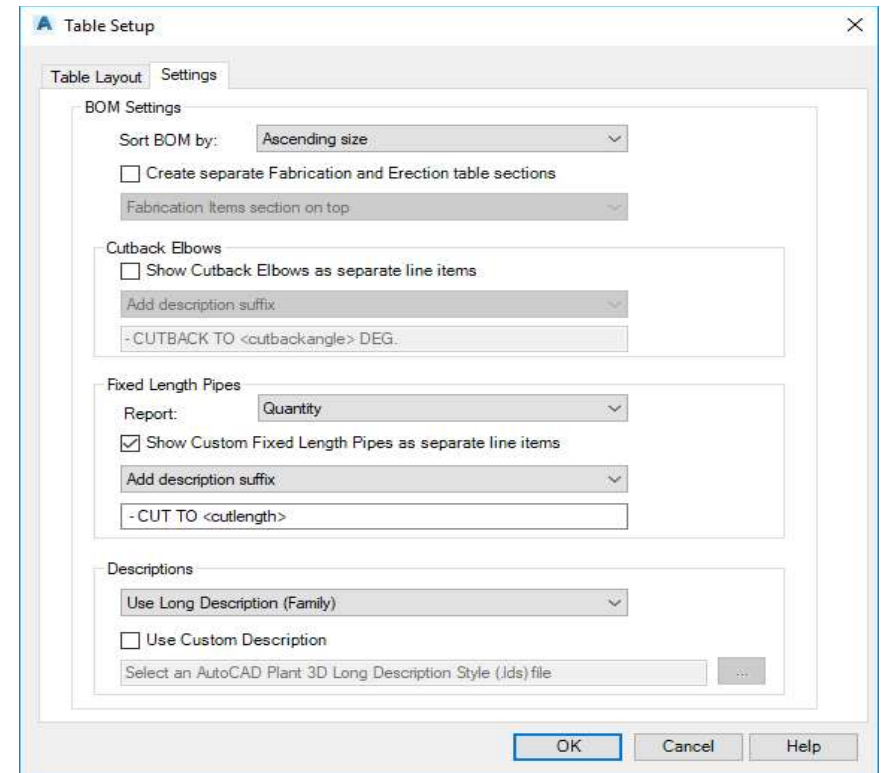


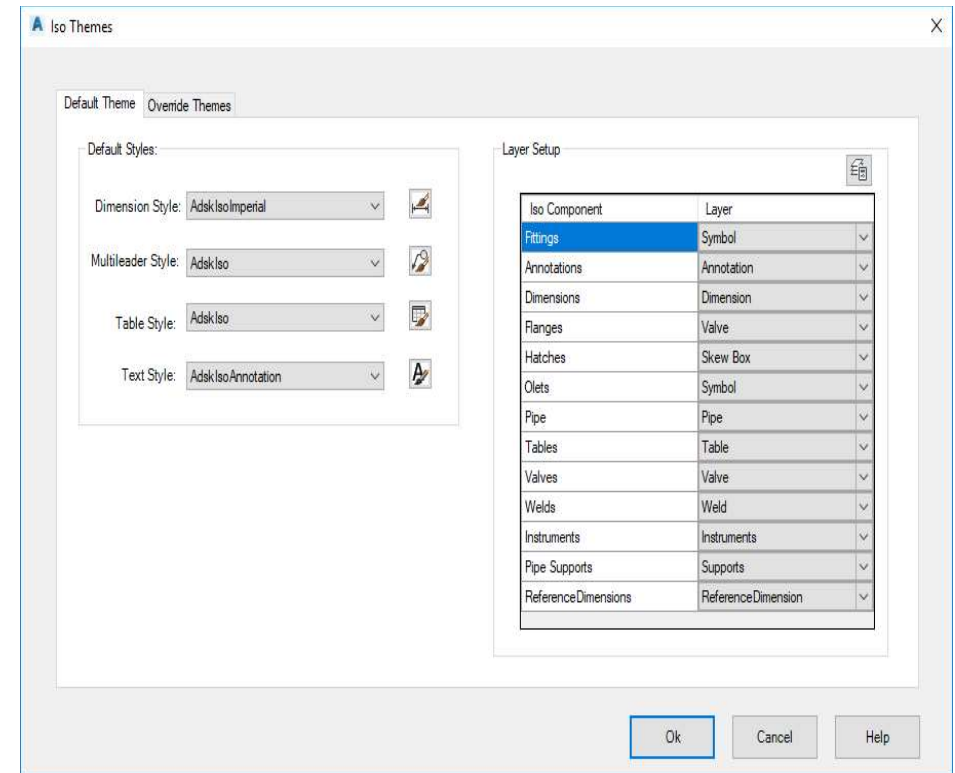
Table Settings

Iso Themes

Iso Themes are used to control which Dimension Style, Multileader Style, Table Style, Text Style, and Layer Setup.

Default Theme

Unless override themes are configured, all isometric components will use these settings



Default Theme

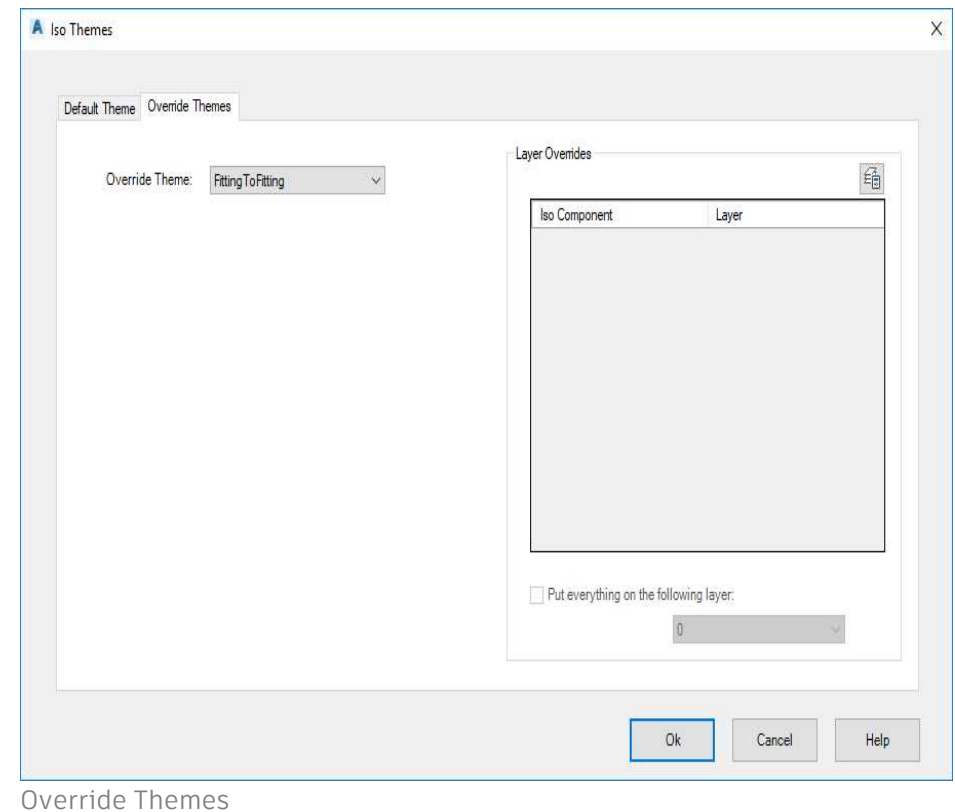
Iso Themes

Iso Themes are used to control which Dimension Style, Multileader Style, Table Style, Text Style, and Layer Setup.

Override Themes

Used to override the default settings

- *FittingToFitting*
- *Small Bore Piping*
- *Vent/Drain Piping*
- *Offline Instrument Connection*
- *Existing Piping*
- *Continuation/Connection Piping*

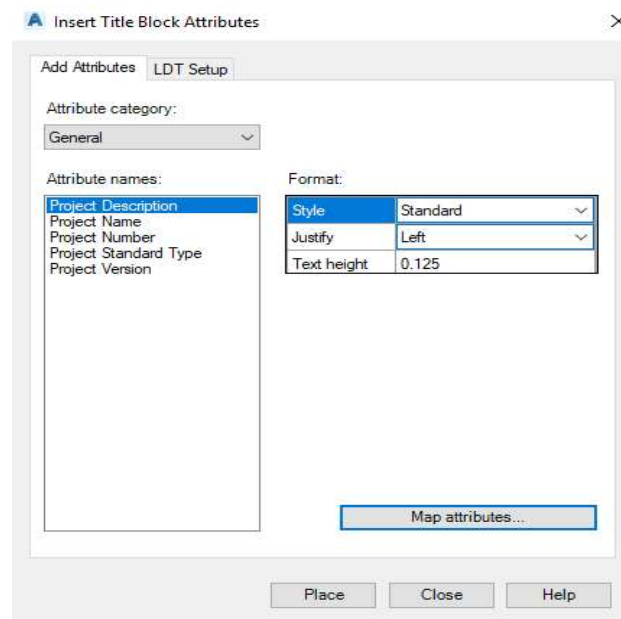


Title Block Attributes

Map Title Block Attributes

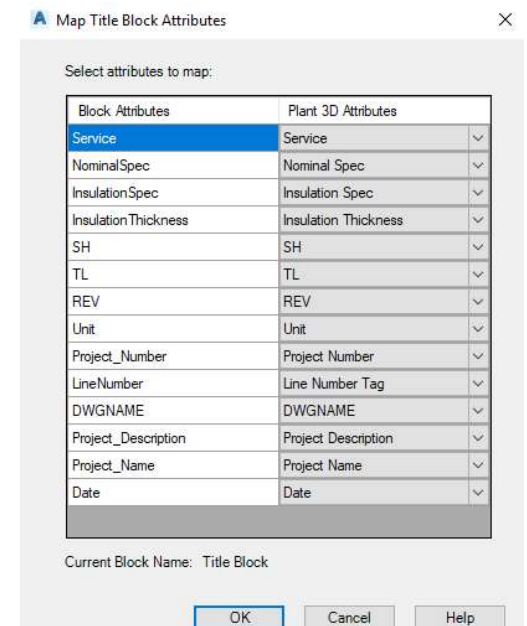
The isometric configuration allows for two ways to map data to the title block attributes. You can either map directly to the database properties or you use an external spreadsheet referred to a Line Designation Table (LDT).

Database Properties



The 'Insert Title Block Attributes' dialog box has two tabs: 'Add Attributes' and 'LDT Setup'. The 'Add Attributes' tab is active. It features a dropdown for 'Attribute category:' set to 'General'. Below it is a list of 'Attribute names:' including 'Project Description', 'Project Name', 'Project Number', 'Project Standard Type', and 'Project Version'. To the right, a 'Format:' section contains three fields: 'Style' (Standard), 'Justify' (Left), and 'Text height' (0.125). A 'Map attributes...' button is at the bottom right. At the very bottom of the dialog are 'Place', 'Close', and 'Help' buttons.

Add Attributes



The 'Map Title Block Attributes' dialog box shows a table for mapping attributes. The table has two columns: 'Block Attributes' and 'Plant 3D Attributes'. The 'Service' row is highlighted. Below the table, it says 'Current Block Name: Title Block'. At the bottom are 'OK', 'Cancel', and 'Help' buttons.

Block Attributes	Plant 3D Attributes
Service	Service
NominalSpec	Nominal Spec
InsulationSpec	Insulation Spec
InsulationThickness	Insulation Thickness
SH	SH
TL	TL
REV	REV
Unit	Unit
Project_Number	Project Number
LineNumber	Line Number Tag
DWGNAME	DWGNAME
Project_Description	Project Description
Project_Name	Project Name
Date	Date

Map Attributes

Title Block Attributes

Map Title Block Attributes

Insert Title Block Attributes

Add Attributes

LDT Setup

LDT file (XLS):

\\AU 2017 Project\Isometric\AU_Final_ANSI-C\Line List for Isos.xls

...

Worksheet name:

LNLIST

▼

Header row:

1

▼

Line number column:

Line#

▼

View LDT...

Place

Close

Help

LDT Setup Tab

Insert Title Block Attributes

Add Attributes

LDT Setup

Attribute category:

LDT Attributes

▼

Attribute names:

Extra8

Extra9

Freq

Flow Diagram

Fluid

Full Line Number

Insul Spec

Insul Thick

Insul Type

Line#

Material

Max Press

Max Temp

Model Area

Mtl Type

Nbr ISOs

Norm Press

Norm Temp

Origination

Paint Spec

Phase

Eformat:

Style

Standard

▼

Justify

Left

▼

Text height

0.125

Map attributes...

Place

Close

Help

LDT Attribute

Map Title Block Attributes

Select attributes to map:

Block Attributes	Plant 3D Attributes
Service	Service Code ▼
NominalSpec	Nominal Spec ▼
InsulationSpec	Insul Spec ▼
InsulationThickness	Insul Thick ▼
SH	SH ▼
TL	TL ▼
REV	REV ▼
Unit	Unit ▼
Project_Number	Project Number ▼
LineNumber	Full Line Number ▼
DWGNAME	DWGNAME ▼
Project_Description	Project Description ▼
Project_Name	Project Name ▼
Date	Date ▼

Current Block Name: Title Block

OK

Cancel

Help

Map Attributes

Line designation table

	Line#	Size	Service Code	Area	Column1	Pipe Spec	Insul Type	Work Pkg
▶	11731	6	P	700		310312	EP	
	48972	2	MDO	600		110312	-	
	49519	6	-	200		112612	MM	
	49521	1.5	DW	300		180111	-	

Line Designation Table

Title Block Attributes

Finished title block with all attributes assigned.

	SERVICE	Service Code	PROJECT NAME: Project_Name			
	PIPE SPEC	NominalSpec	TITLE: Project_Description			
	MAX PRESSURE		DRAWING NUMBER: DWGNAME			
	MAX TEMPERATURE					
	P&ID DWG		LINE NO: Full Line Number	AREA:	UNIT: Unit	TYPE:
	INSULATION SPEC	Insul Spec	JOB NUMBER: Project_Number	SCALE: N.T.S.	SHEET: SH of TL	REV:
APPD	INSULATION THK	Insul Thick				REV

Title block

IsoConfig.xml

IsoConfig.xml

Some isometric configuration requires modification of the ***IsoConfig.xml*** file. Meaning there was not a setting in the user interface to change or I needed to tweak the settings further to get the results needed.

The following section will review IsoConfig.xml modifications and additions that were configured during the setup of the ***AU_Final_ANSI-C*** isometric style included for download with the handout online.

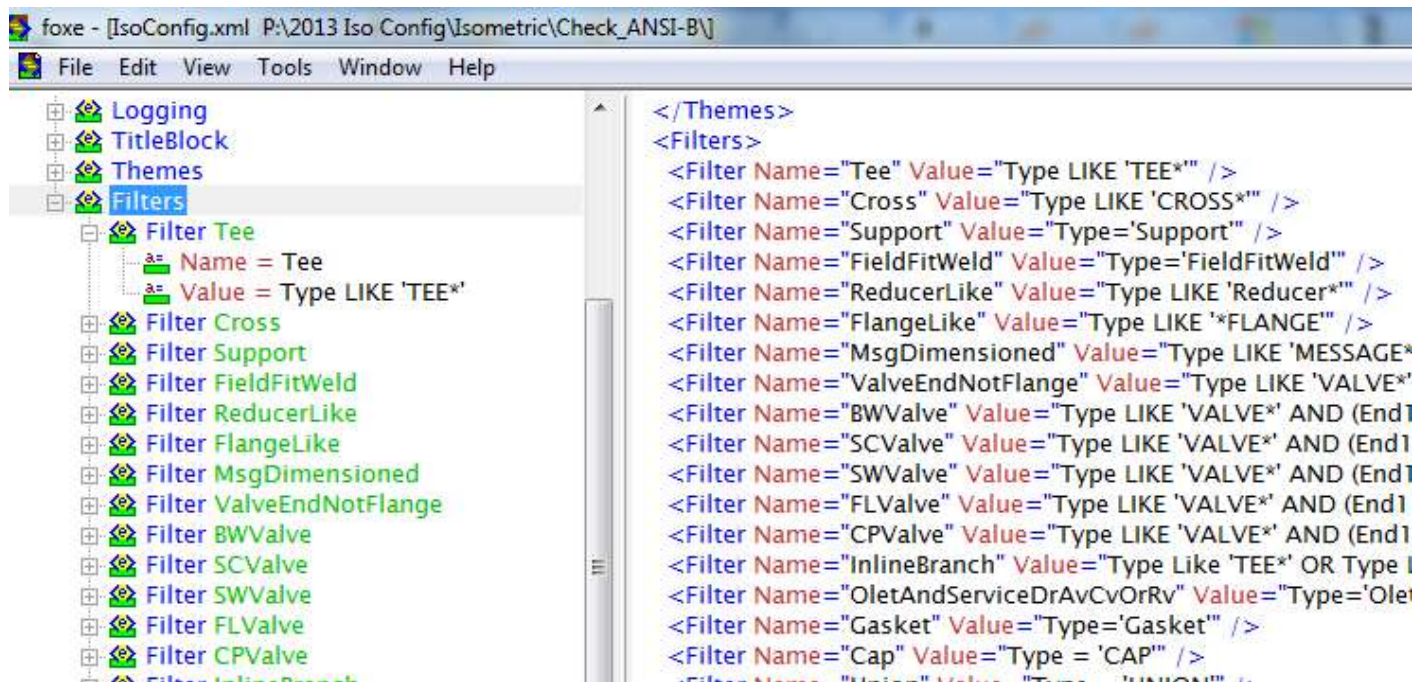
Viewing XML Files

Several applications can be used to view xml files. By default, in Windows, if you open the xml files, it will open read-only in Internet Explorer.

```
<?xml version="1.0"?>
<IsoConfigDefinition xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema"
  <!-- Output drawing configuration -->
  <!-- 'ForceUppcase': 'true' or 'false' -->
  <!-- 'true' = convert Annotation and Table text to uppercase -->
  <!-- 'false' = do not change case -->
  <Output Overwrite="true" ForceUppcase="true" BOMReportFLPLength="false" />
  <!-- Support and log file name configuration -->
  <!-- 'SymbolLibrary': (string); Symbol and styles library file drawing name (input file). -->
  <!-- 'DrawingTemplate': (string); Isometric drawing template file name (input file). -->
  <!-- 'LogFile': (string); Message log file name (output file). -->
  <!-- 'SymbolMap': (string); Symbol key to block name map (input file). -->
  <!-- 'PropertyNameMap': (string); Property name to display name map (input file). -->
  <Files SymbolLibrary="..\IsoSymbolStyles.dwg" DrawingTemplate="Iso.dwt" LogFile="IsoCreationLog.txt" SymbolMap=
  <AdvancedDefault CreatePCF="true" ExportBOM="false" ExportCutPiece="false" ExportSpool="false" ExportWeld="false"
    <BreakAttributes />
  </AdvancedDefault>
  <!-- File name format -->
  <!-- 'UseSpoolNameAsFileName': 'true' or 'false' -->
  <!-- 'true' = use spool name as file name, use the setting of SpoolNameFormat -->
  <!--
    'false' = use the [<ModelProperty><Delimiter>]<SheetNumber> [<Delimiter><ModelProperty>] as the file name
  -->
  <FileNameFormat UseSpoolNameAsFileName="false">
    <!-- Properties included in the file name prefix -->
    <!-- PrefixModelProperty contains one or more ModelProperty elements. -->
    <PrefixModelProperty>
      <!-- Model property -->
```

Foxe

Another free editor with great features is Foxe (First Object Xml Editor) http://www.firstobject.com/dn_editor.htm



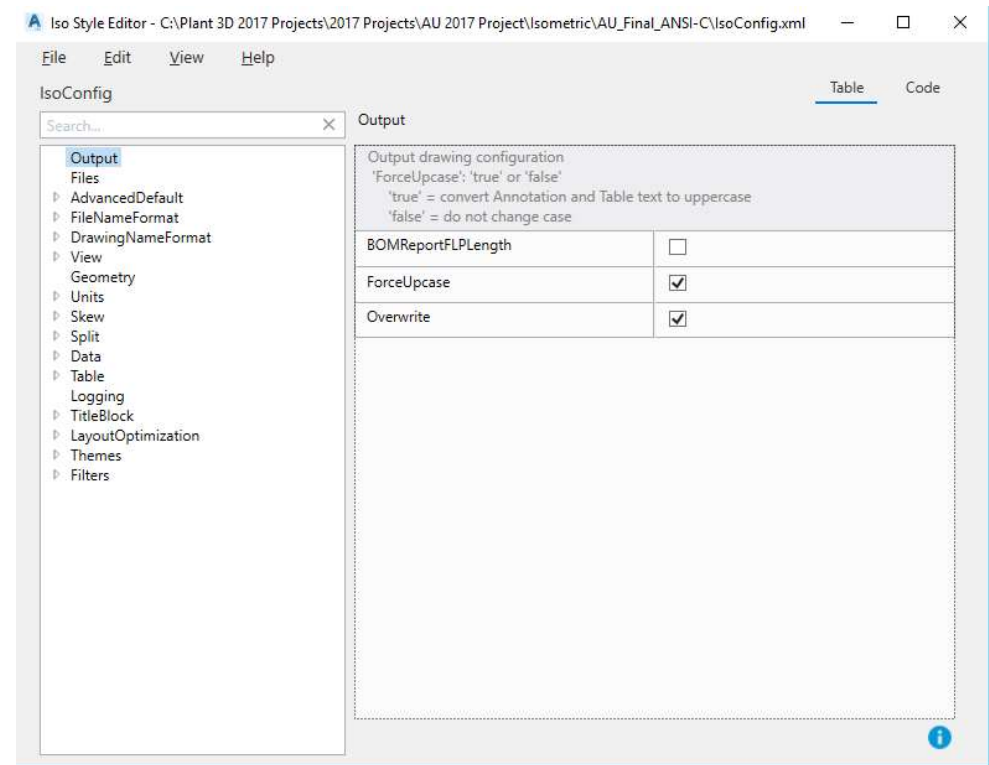
Autodesk Iso Style Editor Public Beta (New)

Customer & Expert Council for P&ID and Plant 3D

Go to the [DOWNLOADS](#) page to watch our getting started video, check out the PDF guide, and download the Iso Style Editor!

Next, let us know your thoughts! The [FORUM](#) for the Iso Style Editor is here.

Have a friend that isn't part of the forum yet? Send them this invite link: <https://goo.gl/AoSxBG>





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