How To Use General BOM In Mech-Q On A Piping Project

Today we are exploring the General BOM found in the Mech-Q General Utility. It’s great for creating a customized Weld Map table as in the video.`

In this video we’ll learn:

- How to set text heights for balloons and tables
- How to calculate DIMSCALE
- How to customize a table (in our example we create a weld map)
- How to load the custom pulldowns
- How to use paper space for our schedules and then plot

You will see that we can also have both a Piping BOM and General BOM present in the same drawing.

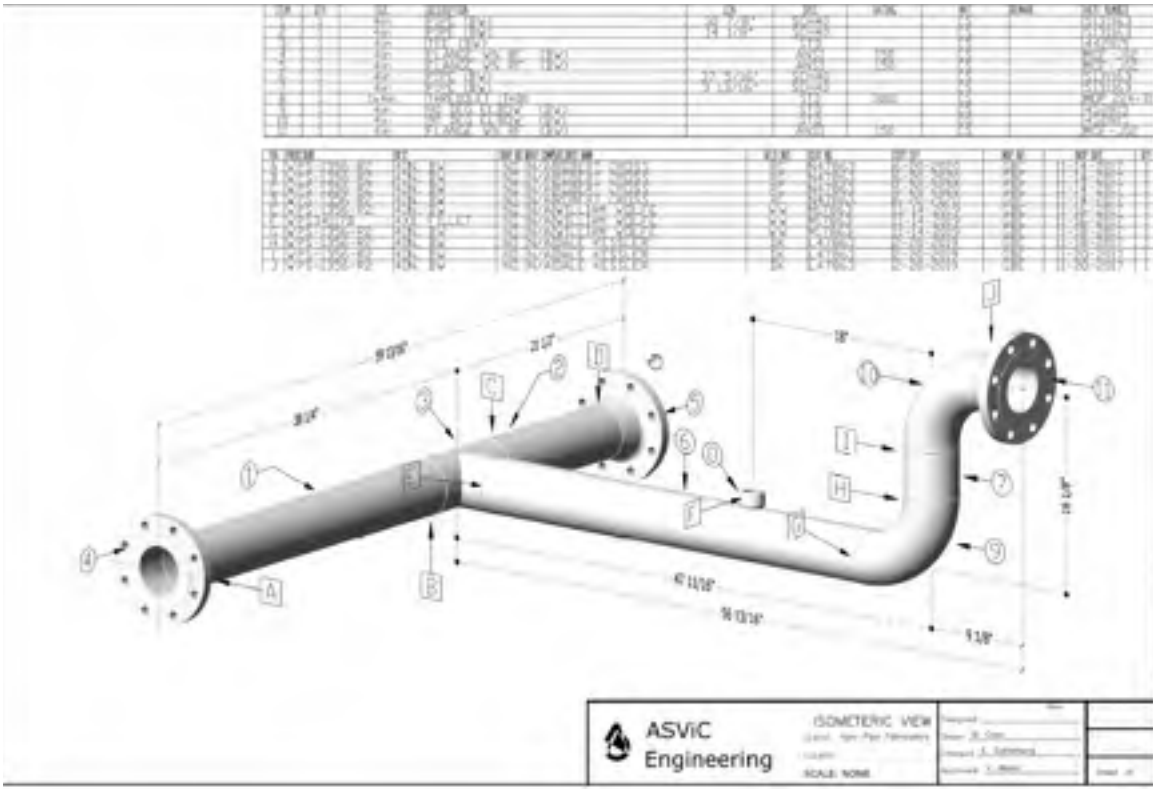
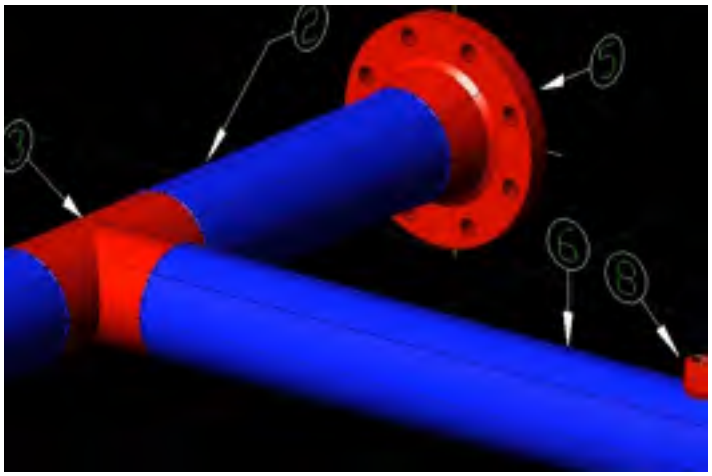
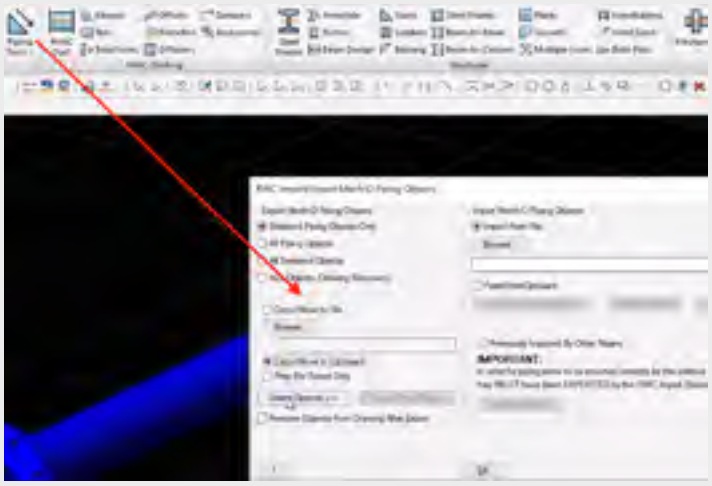


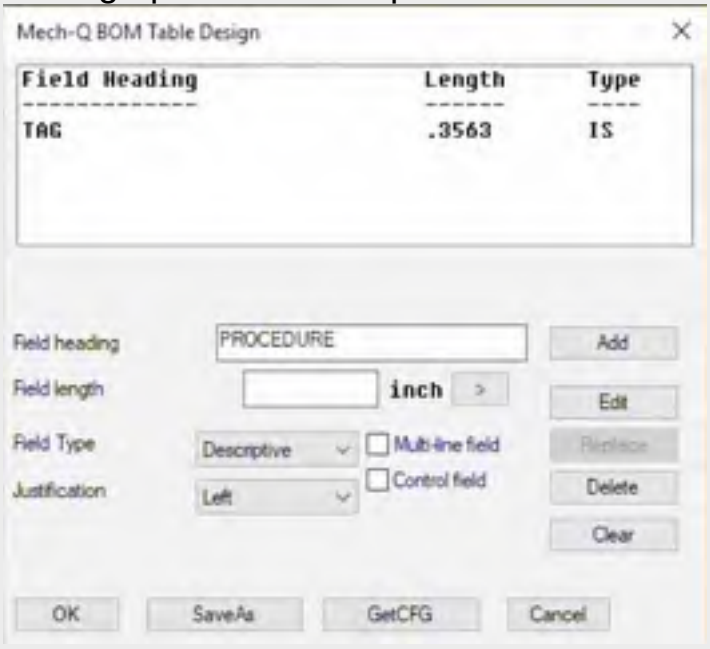
Table of contents and bookmarks

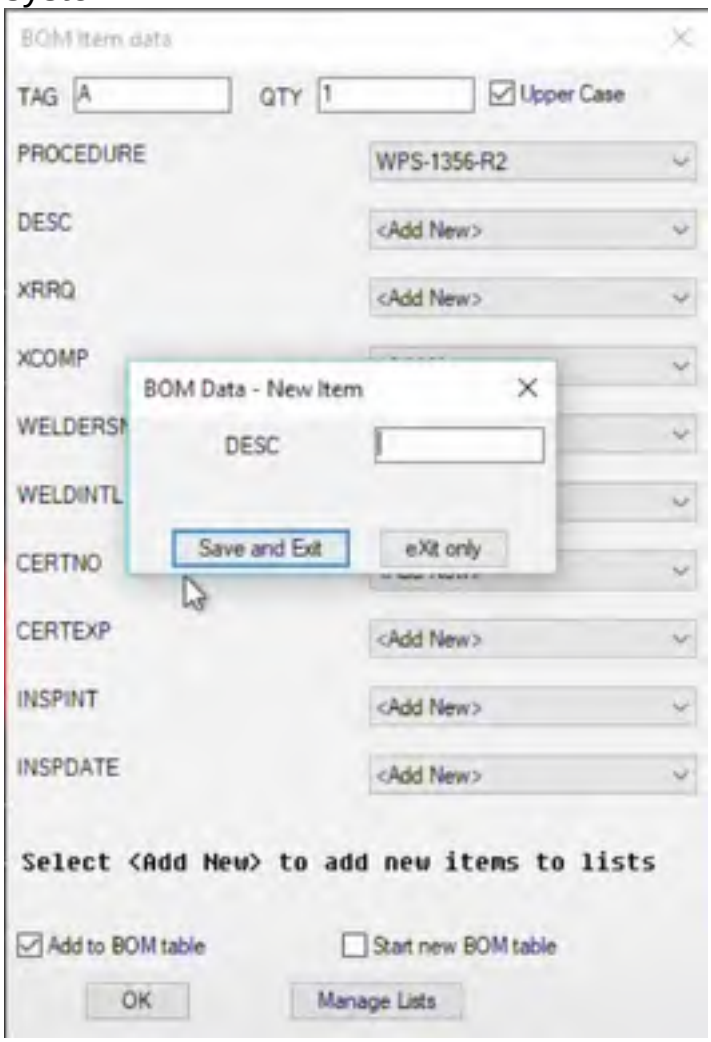
Below is a table of contents so you can jump back and revisit different sections of the video later using the bookmark link. This video is about 25 minutes so you may want to absorb it at your own pace.

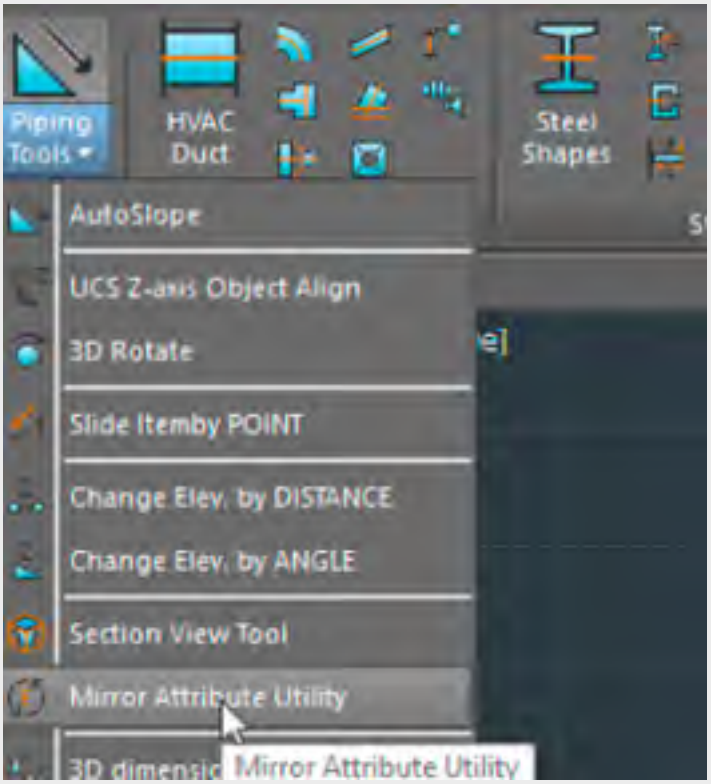
Description	Bookmark
Intro and start 	Start Video You can click the link here to jump to this section in the video

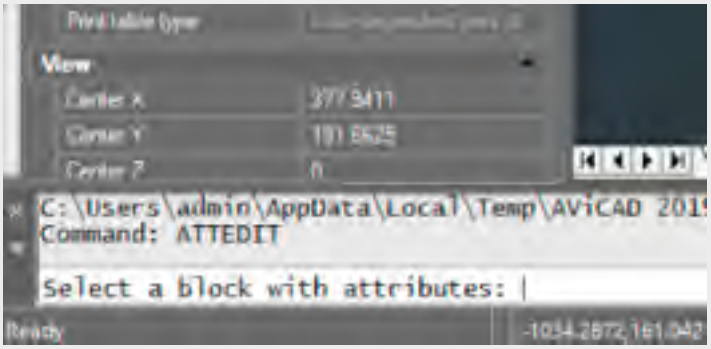
Description	Bookmark
Exporting the manifold using Date Export Utility (found in Piping Xtra Tools within the toolbar) 	Jump to this section
DDIM to check text height in your CAD application	Jump to this section

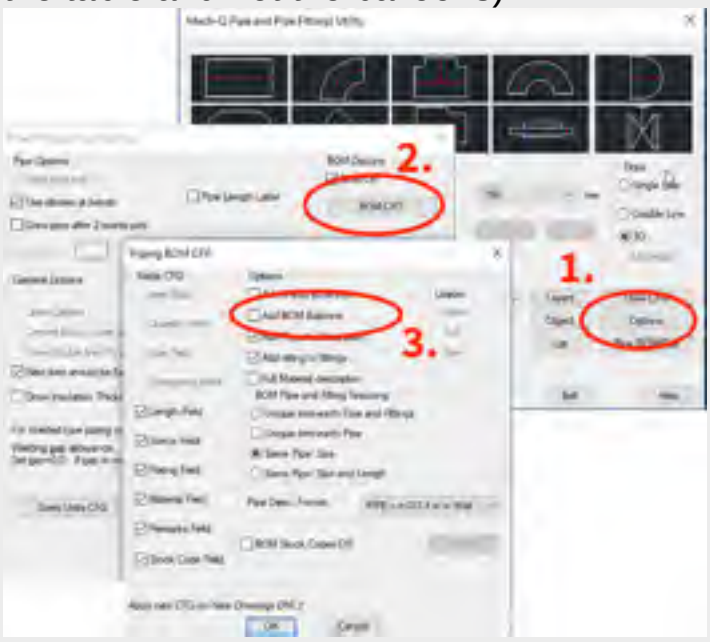
Description	Bookmark
Load General BOM Configuration in Mech-Q and match the text height (BOM CFG button in Ribbon) 	Jump to this section
Understanding how DIMSCALE affects the sizes in the Table	Jump to this section
DIMSCALE visual example	Jump to this section
Calculating the DIMSCALE	Jump to this section
DIMSCALE formula *.125 (or your desired text height)* *Divided by:* *5 (the height of text measured in Paperpace)*	Jump to this section

Description	Bookmark
Checking final settings in BOM configuration 	Jump to this section
Setting up the Weld Map Table 	Jump to this section
Adding the fields (column names) in the table (BOM CFG button Ribbon, Then BOM Table Design in Dialog)	Jump to this section

Description	Bookmark
Add data to the tag using the pulldown system 	Jump to this section
Using USC Origin Icon to move the weld point (this toolbar can be turned on for easier use)	Jump to this section
Repeating the process for the second pipe run	Jump to this section
Adding the Thredolet to our weld procedure	Jump to this section

Description	Bookmark
Going to Paper Space	Jump to this section
Set Dimscale to 1 so the Table will be scaled correctly	Jump to this section
Inserting the table	Jump to this section
Attribute Mirror Scale to adjust the header annotation 	Jump to this section
In the Main Piping BOM schedule (above our Weld Map) we use the code column for heat numbers 	Jump to this section

Description	Bookmark
Using ATTEDIT (type in command bar) to change headings and Attribute Mirror Scale Tool to fit the text 	Jump to this section
Plotting the drawing (PDF) using layout	Jump to this section
We received penciled markups from the field, We add this markup weld map data back in using tag editing tool (BOM Balloon Edit in the pulldown)	Jump to this section
Reinserting the modified table	Jump to this section
More about ATTEDIT (type in command bar)	Jump to this section

Description	Bookmark
Heat Numbers to change Data in Pipe BOM and copying Heat numbers to each pipe - (Use the BOM Edit button *in the Main Piping Dialog*, editing the BOM code field) 	Jump to this section
Update BOM with Bubbles option unchecked (this way we can just update the table and not the balloons) 	Jump to this section

Description	Bookmark
Use Layer States Manager to quickly turn to black and were ready to plot (our 6 day piping class explains more on how to use this)	Jump to this section
Ending - Contact us info@cadavenue.com or at 888-271-7121	https://youtu.be/TCpv1wlgfMA?t=23m28s

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