

Mech-Q Settings For 6 Day Class

CAD Configuration:

Looked to the lower right of the drawing window and you'll see several buttons
We're going to be right clicking on many of these

- √ Disable dynamic UCS
- √ Disable dynamic input optional
- √ Set any tracking to on
- √ Check you snap settings
- √ Adjust polar tracking settings to 45 degrees
- √ Verify coordinate readout is in decimals
- √ Open up drawing settings and modify entity snaps if needed
- √ Turn on center, intersection and node

Drawing Configuration:

- √ In 3-D settings tab make sure that edge shading shows faces in entity color
edges in background color
- √ In the drawing units tab change settings for angular units pull Down change
precision to one 1/10 of a degree
- √ Linear units pull down we'll change the unit type too fractional 4 display
precision will give us 1/16"
- √ In the insertion scale pulldown we'll select the inches's option.

Note: You can save this as a drawing template (DWT) for later use.

Mech-Q configuration:

- √ Piping has its own layer configuration so we'll leave layers alone
- √ For Units will set it to English for the purpose of this video although you may be
in imperial units so feel free to use this
- √ For the General settings I'll check to make sure that simple scale is set to 1:1
- √ Verify that images background the Same as cad
- √ You can also save your configuration to a file for backup purposes

Pipe Fittings configuration:

- √ Check use elbows at bends is selected and
- √ Draw pipe after two points is unchecked
- √ Pipe length label can also be unchecked
- √ Make sure Bill materials turned on

In BOM settings:

- √ Turn off the unique item for each pipe - Mech-Q has the ability to label each and every pipe but we're just going to add the totals in the bill materials.
- √ Uncheck the warning dialogue about next item should be a flange.
- √ For the welding gap allowance we're going to set it to 1/8 of an inch.

Back to the Main Dialog (Layers):

- √ Choose layers then look at fittings layer and change the name to fitting
- √ We'll also change the fitting layer color to red clicking on the right arrow button
- √ In the pretext to layer name drop-down choose add new and will give it a name spool3 followed by the – symbol

Note: that this prefix layer names are also saved for future drawings.

Piping Main Dialog Configuration:

- √ In the pulldown type choose Butt Welded
- √ For the material will choose Carbon Steel
- √ For the nominal pipe size we'll choose 4 inch
- √ For the wall rating you can either choose between a standard wall or scheduled
- √ Also make sure that the "existing item omit from BOM" is unchecked

That completes the settings. We'll see you next video!