

SysQue

This document provides information about new features and modifications in the latest release of Trimble® SysQue®. More detailed information can be found in the online help system [here](#).

Introduction

These release notes describe the features and enhancements that are new for the major installer release dated 2019-06-27. For additional assistance, please email mepsupport@trimble.com or call 1-800-234-3758.

To download the latest release, log into SysQue support forum [here](#).

Compatibility

Autodesk software

This release of SysQue is compatible with the current releases of Revit versions 2017, 2018, 2019.

**Please note, SysQue will be compatible with Revit version 2020 in the next SysQue release (tentatively planned for the end of July 2019).

**Please also ensure that you have Dynamo v1.3 or higher installed if using Dynamo. SysQue is not compatible with Dynamo versions lower than v1.3.

Windows

SysQue is compatible with Microsoft® Windows® versions 7, 8, and 10.

Backwards compatibility

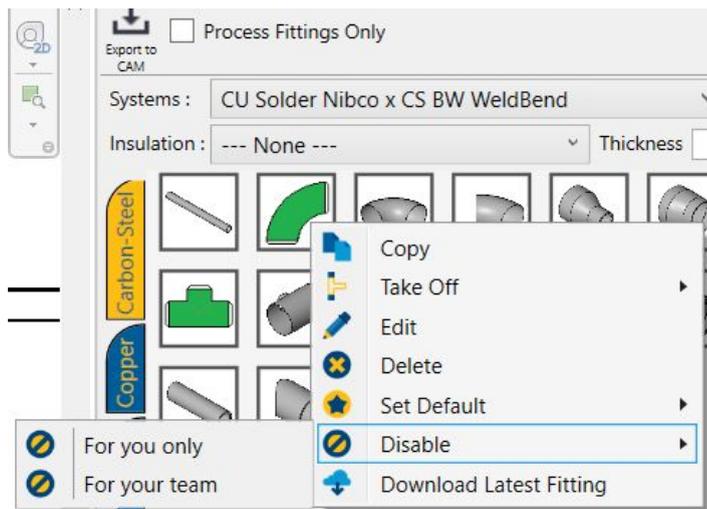
Digital models produced in Revit & SysQue cannot be saved to or opened in prior year versions.

Version: 6.5

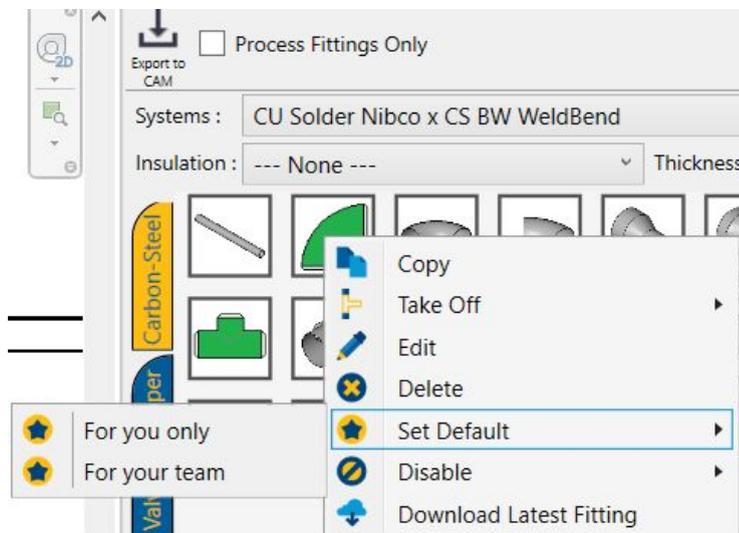
Date: June 2019

New Features, Enhancements, and Updates

<p>Summary of Improvements & Business Value</p>	<p>This release contains significant updates to both the Duct and Piping applications in SysQue that enable Duct and Pipe Detailers to work more quickly and efficiently. Likewise, the speed of the Spooling application has been improved in several areas to enable Users to build spools more quickly inside of the tool. The PAC flow for Duct Users has been updated so that it is easier to navigate and use. Several bugs have been fixed in this release to help with overall application stability.</p>
<p>Supports</p>	<p>No new changes to the Supports application except for bug fixes as noted below.</p>
<p>BOM</p>	<p>No new changes to the BOM application.</p>
<p>Submittals</p>	<p>No new changes to the Submittals application.</p>
<p>Pipe</p>	<p>The following improvements have been made to the Pipe application:</p> <ul style="list-style-type: none"> ● Dragging a piping fitting off of the Pipe pallet shows the actual SysQue version of the fitting rather than Revit generic image for the fitting, aiding with orientation and placement of the fitting into the User’s model. <ul style="list-style-type: none"> ○ Please note, this works for elbows, tees, crosses, and multiports ○ This functionality is not currently working for transitions ● Likewise, when placing any pipe fitting into a drawing (that is an elbow, tee, cross, or multiport), it is automatically placed as a SysQue fitting (no processing needed). Alongside, connectors are processed automatically when placing the pipe fitting. ● For Users who are networking their system configurations, two new controls have been added that enable Users to disable parts in a System only in their account or in all User accounts looking at their Company’s Piping system configurations. This same rule exists also for setting a part as a default in a system. Please note, for Users whose system configurations are localized to their computer, selecting either “For you only” or “For your team” will have the same result. <p>Setting to Disable a part either “For you only” (only in your User account) or “For your team” (for everyone using your Company’s networked System configuration file):</p>

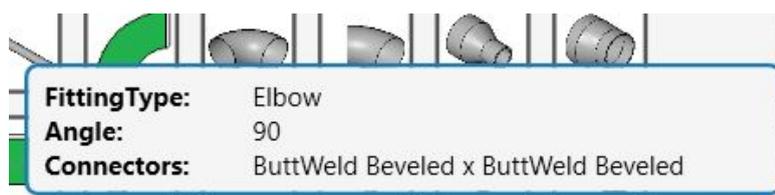


Setting to **Default** a system part either “For you only” (only in your User account) or “For your team” (for everyone using your Company’s networked System configuration file):

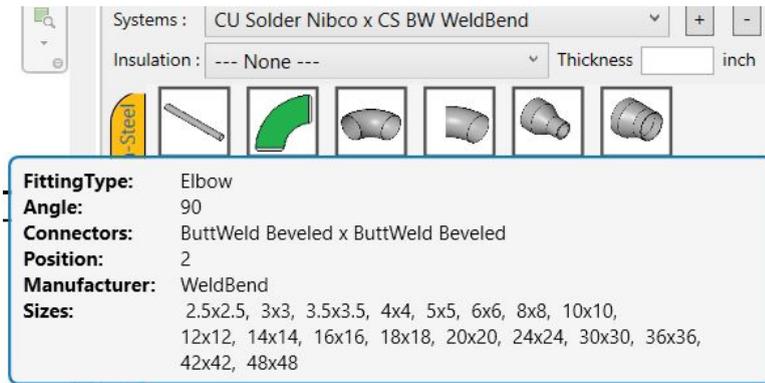


- **ToolTips** used to display information about each part in a system have been modified to be easier to read and navigate. Each ToolTip will initially show a condensed view when rendered and expand to a view showing more information about each part after a two second delay. Once moving off of a part icon on the Pipe pallet, the ToolTip will collapse immediately. Also, only active sizes will be displayed to a User (inactive sizes will be hidden). Below are screenshots of the new ToolTips.

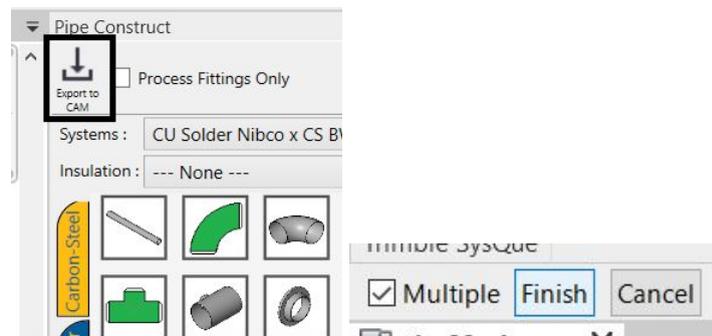
Consolidated view:



Expanded view for the same part (including only active sizes):



- A new **pipng CAM export** has been added to the Pipe pallet. This enables a selection of piping to be exported into an Excel spreadsheet for uploading into a Piping CAM software.
 - Included components in the report are Pipes and Pipe Fittings whose part type is ‘Spud - Perpendicular’ (this is so that Olets and Stub-Ins are included in the report).
 - To generate an export, click on the “Export to CAM” icon shown below,, then, just as in the PAC workflow, select one-to-many Pipe and/or Pipe Fitting pieces, then click the ‘Finish’ button to save the Excel file to your computer.

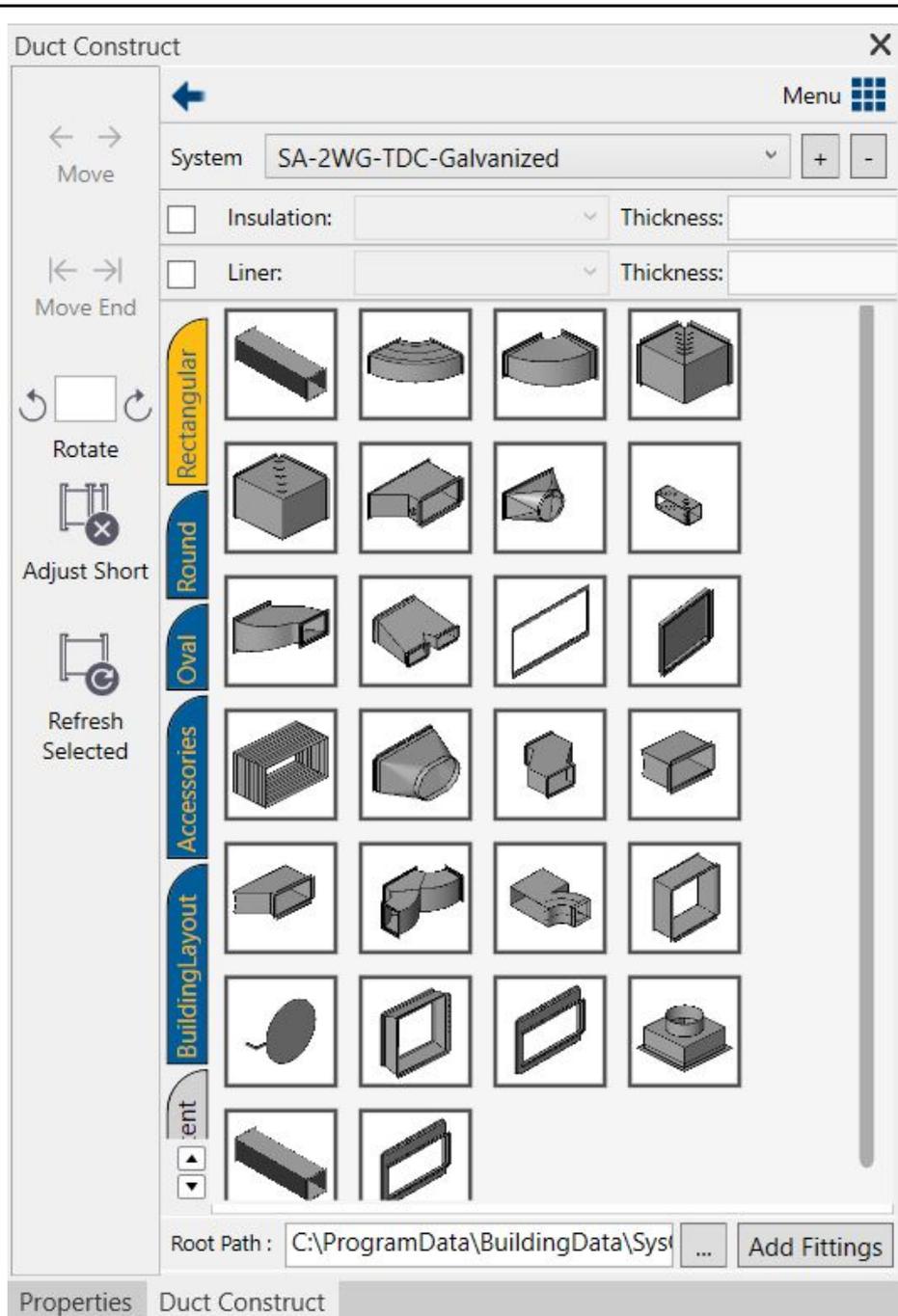


- SysQue is now able to connect two pieces of Pipe and process the fitting and all connectors needed automatically using the **Revit Trim** command as well as manually using the **Extend** command.

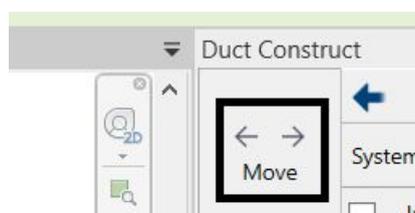
Duct

The following **User Interface** improvements have been made to the Duct application:

- The Duct pallet has been expanded upon with new menu options and to enable accessibility on existing menu options. A new menu column has been created for easy access to new Duct commands. Below is a screenshot of the new Duct pallet.
 - Note, the **System Category** tabs are not visible in the screenshot below (to the left of the System array). They become visible once you have selected a System to view.



- The following new features have been added directly onto the Duct pallet to aide with editing already processed Duct runs:
 - **Move Left or Right**
 - This feature enables a User to move a short piece of Duct either to the left or to the right in its run.



- **Move End**

- This feature enables a User to move a short piece of Duct in a run either to the left end or right end of its run.



- **Adjust Short** Command Dropdown



- **Make Full Length:** When selecting this command and then selecting a short piece of duct, the short piece is extended to its

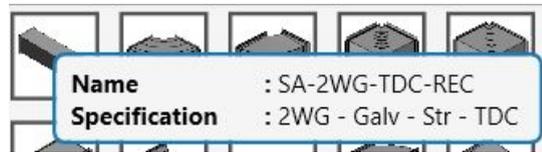
specification length. The overall length of the connected run is not changed. You may click on either side of a short so that it is extended in the direction you have selected (e.g., by clicking on the left of a short, it is extended to the left; by clicking on the right of a short, it is extended to the right).

- Note, the Make Full Length command works for short Duct pieces attached to a fitting only.
 - **Remove Short:** When selecting this command and then selecting a short piece of duct, the short piece is removed. Clicking on the left side of the short will cause the run to its left to be moved to the right; clicking on the right side of the short will cause the run to its right to be moved to the left.
 - **Extend Fitting:** This Duct Break method mimics the previous “Extend fittings to optimize for full straights” method for a fitting when a short piece connected to it is removed. The fitting will be extended to close the gap left by the short piece when removed; the rest of the Duct run to which the short duct piece was connected will not be changed.
 - This command is only enabled after selecting a short piece and fitting only. If three or more Duct pieces are selected, this command will become unavailable for selection.
- **Refresh Selected:** This command will reprocess all straights, fittings, and connectors in a run when selected. All straight pieces of Duct will be broken according to their specification.

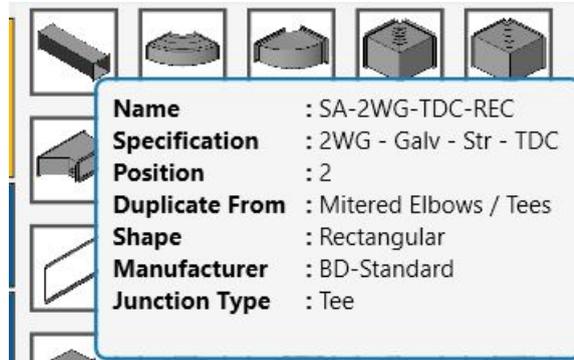
- The **Rotate Command** has been moved from its previous position on the Duct pallet to be accessible alongside the above Duct Commands.
- **Tooltips** used to display information about each part in a system have been modified to be easier to read and navigate. Each ToolTip will initially show a condensed view when rendered and expand to a

view showing more information about each part after a two second delay. Below are the two ToolTip views:

Consolidated view:



Expanded view for the same part:



- **ToolTips** will only show active sizes for any Duct fitting (prior, all sizes, including inactive, were displayed to a User in the ToolTip).

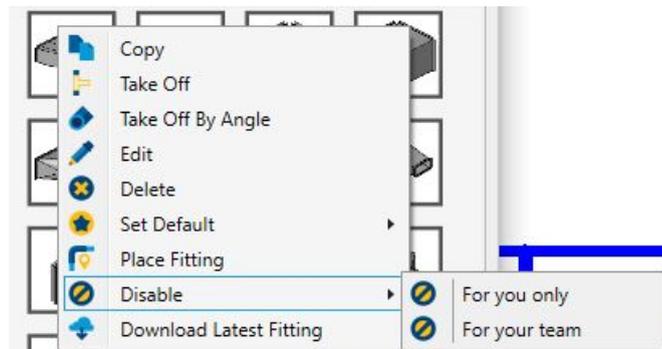
The following **Workflow** improvements have been made to the Duct application:

- When **processing** or **editing and reprocessing** a run of Duct after being initially drawn, all straights, fittings, and connectors are processed automatically. The "Process Fittings" menu option has been removed from the Duct application.
- When **editing** an existing run of Duct, the original **system** used to draw the run will be used to modify the run, even if the User has a different System selected at the time of editing the Duct run.
- Users are now also able to use the right-click -> **Draw Duct** native Revit command to add Duct parts to an existing run using the Duct Run's pre-existing System.
- SysQue is now able to connect two pieces of Duct and process the fitting and all connectors needed automatically using the **Revit Trim/Extend to Corner** command as well as manually using the **Extend command** (draw node-to-node manually).
- When editing a Duct run, the pieces in the Duct run that may be reprocessed are done so without first converting to their generic form (**iGeneric**) then re-converting back to SysQue parts, thereby speeding up reprocessing of any Duct piece in a model. This applies to Generic Sheet Metal only (and not manufactured Duct content).
- When needing to **resize** all or part of a Duct run with a different size (width or height), a User can select the portion of the run needing resizing and select a new size, and the run will automatically reprocess. All fittings, straights, and connectors will be automatically

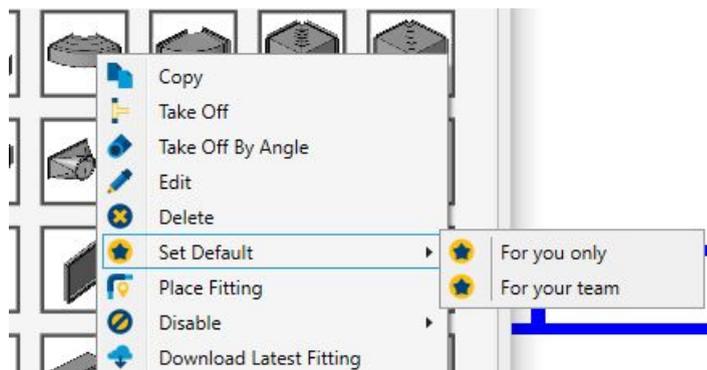
placed based upon the size and specifications as defined in the run's system.

- When taking off a Duct piece as a **Tap**, and processing the tap, the applicable Duct Fitting, Straight, and Connectors as part of the Tap are automatically processed.
- **For Users who are networking their system configurations**, a new control has been added that enables Users to disable parts in a System only in their account or in all User accounts looking at their Company's Duct system configurations. This same rule exists also for setting a part as a Default in a system. Please note, for Users whose system configurations are localized to their computer, selecting either "For you only" or "For your team" will have the same result.

Setting to **Disable** a part either "For you only" (only in your User account) or "For your team" (for everyone using your Company's networked System configuration file):



Setting to **Default** a part either "For you only" (only in your User account) or "For your team" (for everyone using your Company's networked System configuration file):



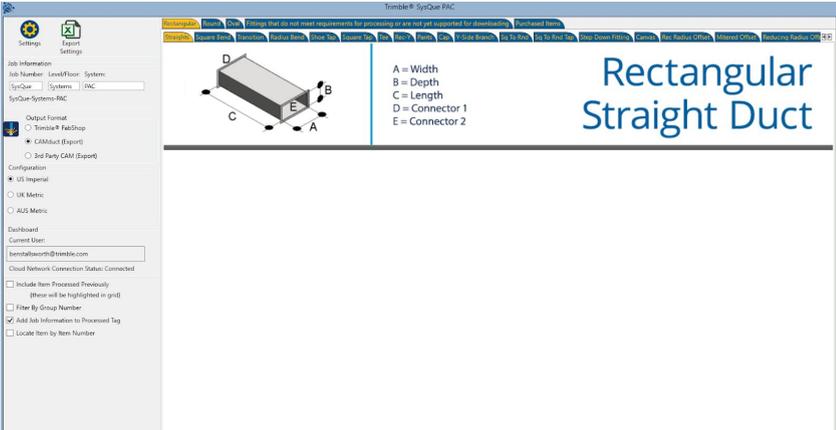
Electrical

No new changes to the Electrical application, except for bug fixes as noted below.

PAC

The layout of the PAC page has been improved to be easier to navigate and use. Below is a screen capture of the new PAC UI and layout. Notable changes include:

- PAC settings can now be accessed via a new menu option and a single click

	<ul style="list-style-type: none"> ● Excel export settings can now be accessed via a new menu option and a single click ● The Vicon and PractiCAM Output Formats have been collapsed into a single export option because both flows leverage the same logic and generate the same output 
<p>Spooling</p>	<p>The performance of spooling has been improved by, on average, 50% or greater in the following areas:</p> <ul style="list-style-type: none"> ● Create Spool is faster ● Generate Sheets is faster ● Opening the Spool dock is faster ● Closing the Manage Templates window (so that all new Templates are saved and available for use)

Bug Fixes:

- When opening the Spooling application in a workshare (BIM360) environment, importing the default SysQue color mapping and spool template is not working. This has been fixed in this release.
- Placing strut clamps onto Piping via the Supports application is not working. This has been fixed in this release.
- Round volume dampers, when placed into a piece of duct, are incorrectly breaking the duct into two pieces. As of this release, when damper is enabled, placing a round volume damper will not break a piece of duct.
- Vanes were not visible in Duct Rectangular Bends (both Single and Double vanes, when enabled). This has been fixed in this release such that Vanes are now visible to Users in Rectangular Bends when either Single or Double Vanes are enabled.
- In the PAC application, Left and Right Extensions are being reported incorrectly for Rectangular Mitered Offsets. This issue has been fixed such that Left and Right Extensions are reported and exported correctly.
- When spooling conduit, when Setting “Number Like Items” for Conduit was unchecked, and a spool was created for a single run of conduit containing one or more bends, each of the sections (including the bend) were being assigned a unique piece number in the spool. Because each run of conduit is a single piece, all sections should be assigned the same piece number. This has been fixed in this release such that each section in a conduit run spool is assigned the same piece number.

- i. Note, the “Number Like Items” feature is only applied when creating a spool containing two or more conduit runs.

Additional Notes:

- A new **About Icon** has been added to the Trimble ribbon enabling a User to see their SysQue build version. Users may simply click on the ‘About’ icon (shown below) to view their SysQue version.



Legal Notices

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Release Notice

This is the June 2019 release of the Release Notes. It applies to version 6.5 of the SysQue software.

It pertains to the release noted elsewhere in this document. The topics within this document are subject to change without notice. Screenshots included may not be exactly as in the software application.