MagiCAD for Revit

Release notes for version 2026 UR-2

26/02/2026

MagiCAD

Content

1 New features

1.1 Common

MagiCAD Dataset API

The first external API is now available for MagiCAD for Revit. The API makes it possible to read and write product related data between the MagiCAD dataset and other software applications or systems. This enables users to create automated data management solutions on top of MagiCAD. Full API documentation is included in the installation.

Dataset import and export to spreadsheet function

The dataset now includes a new feature that enables exporting to and importing from spreadsheets. This functionality allows users to manage product data in Excel format making the editing more flexible escpecially when all selected product classes can be exported into single sheet. Upon importing data back to the dataset, any changes are clearly visualized and reported within the import dialog.
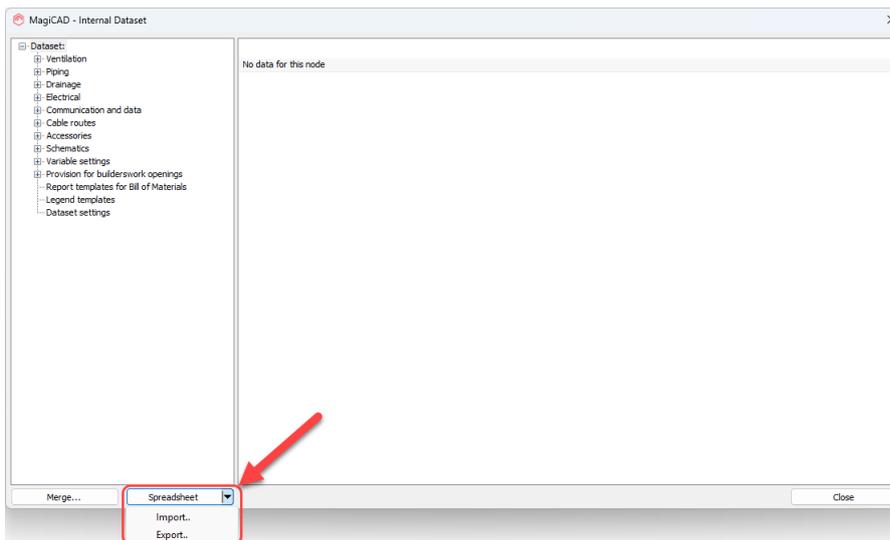
Type specific data management in dataset

The dataset now includes a feature that allows type-specific data to be inserted into products. The type-specific dialog enables management of text data in a manner consistent with the dataset properties dialog, and supports entry of individual data such as user codes, national codes, or product variables. Also project or company specific parameters are supported through additional properties function.
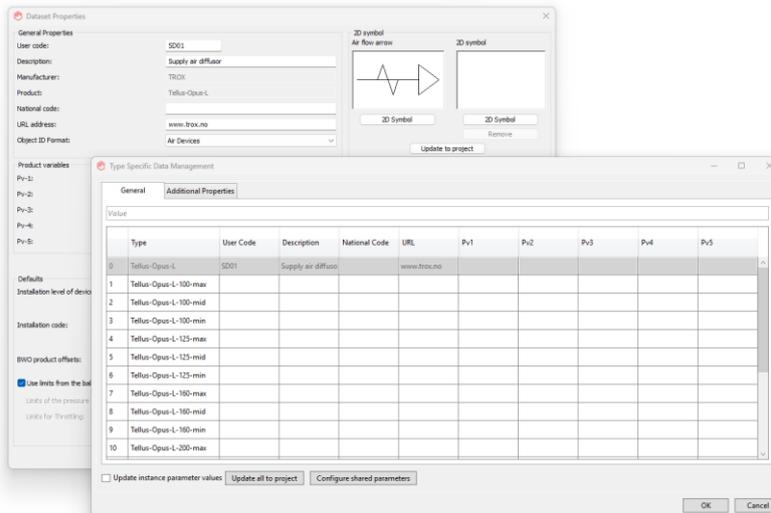

Install Product "Load all"

It is now possible to load all available product types into the project during product installation.

Project wizard improvements

The Project Wizard tool has been improved to function better in the later stages of the projects. Now it is possible to relocate the existing levels and spaces when changes has occured in the project, if the element is identified to already exist in the project. In addition ifcZIP and ifcXML formats are supported as and reference formats.
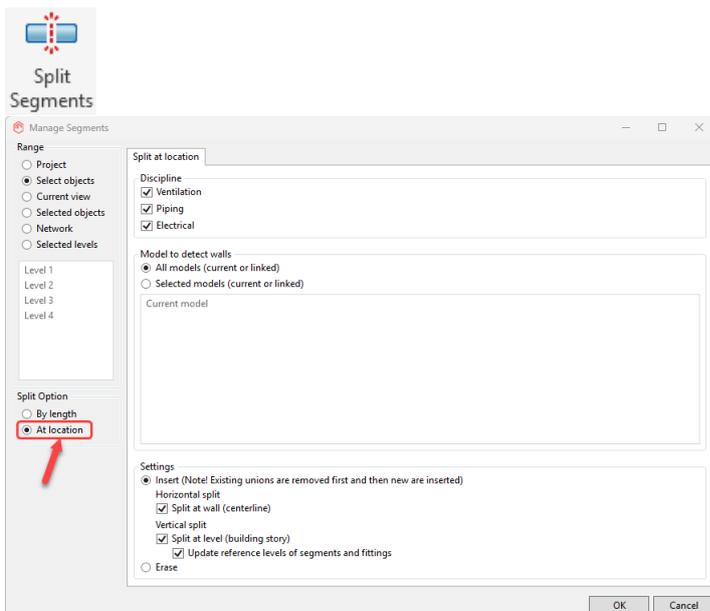
![MagiCAD]
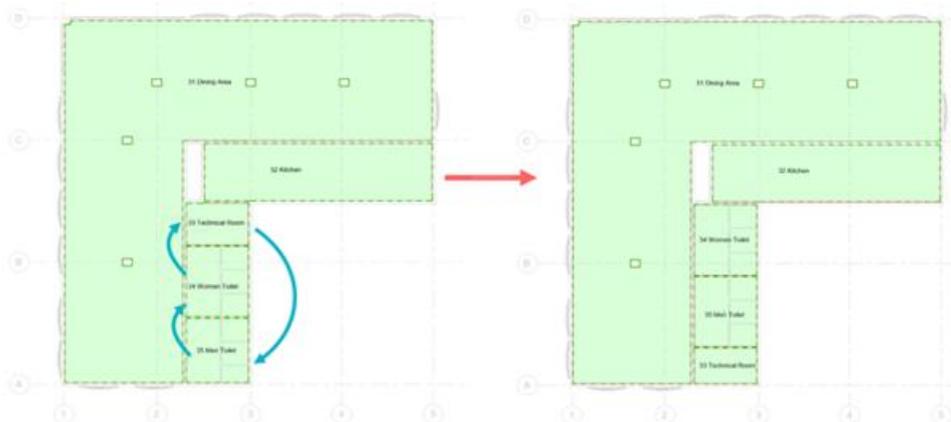
Sheet Manager improvements

Sheet Manager has been improved, and it is now possible to use "Sheet numbering" to renumber existing sheets. Additionally, "Find & Replace" can now also be used with Sheet Manager.
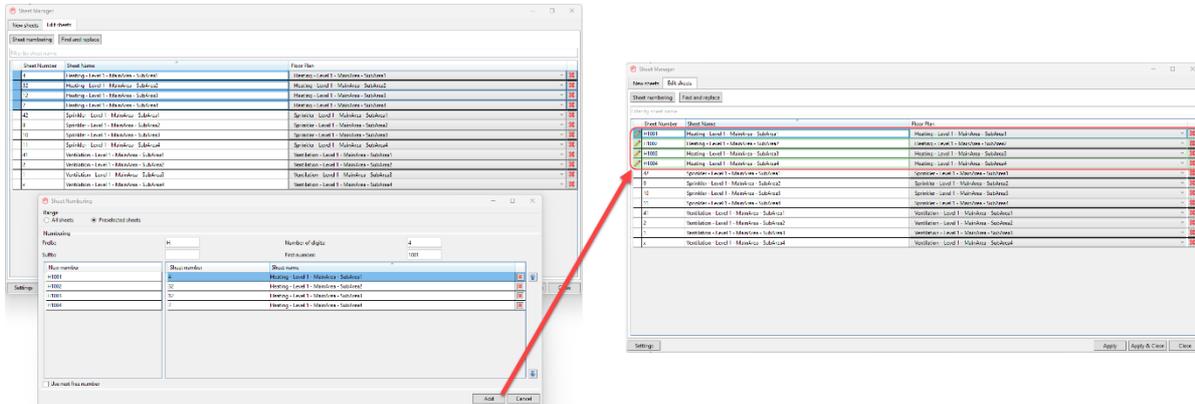
Space name and number update for elements along with segment split functionality

Space name and number can now be added with Update Parameters tool. Latest phase spaces will be used to write space name and number to elements. Sometimes it's necessary to split duct, pipes or cable trays at the wall middle point to get space information written correctly for elements. To make splitting easier we have improved Split Segments tool. It is now possible to insert a union to a segment at the point where segment intersects the wall centerline. This is useful in situations where it is needed to be specify how much of a segment belongs to each area. Tool also allows to insert a union at the point where segment intersects level which is defined to be "Building Story". Additionally, user can choose if it is needed to update reference level of segments and fittings which are part of the vertical rise.

Enter can be used instead of Revit finish button

MagiCAD commands which are requiring to accept selections with Revit "Finish" button can be now accepted by using "Enter".

Batch manager to update only modified elements

Update Parameters now includes an option which can be selected if user wants to update only elements that have been modified by the user. This will help with issues where Batch Manager locks unnecessary items for the user in workshared environment.
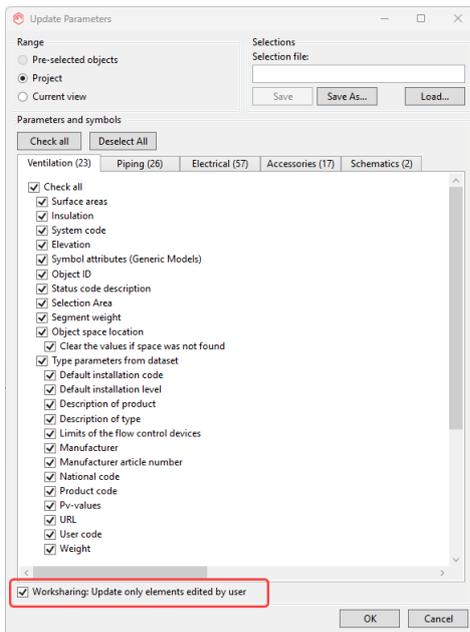
Parameter for Air Terminals & VAV controllers that tell which VAV Zone they belong

VAV Zone is now written into a parameter to indicate to which Zone the device has been applied to. VAV Zone will update to the parameter when the device is accepted into some VAV Zone. Parameter will also update when network is balanced with the "Balancing"-tool. With balancing, also the VAV Controller will get the VAV Zone Code written into the parameter.

Generic AHU, Generic Distribution Box, Generic Manhole, Provision for Voids instance parameter update option

"Update instance parameter values" option has been added to Generic AHU, Generic Distribution Box, Generic Manhole and Provision for Voids tools. This improvement prevents the issue where national classification code instance parameter gets always default parameter value when national classification code gets updated to project elements. Now user can choose if instance parameter gets the default value or not when the update is done.
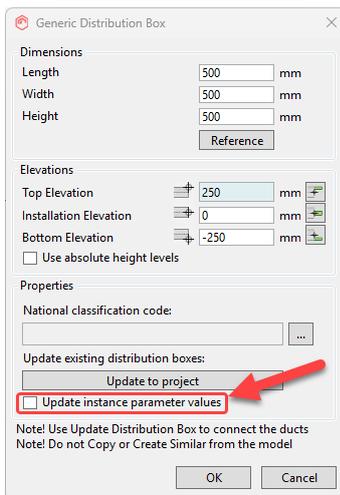
BCF Manager visual update

The BCF manager user interface has been enhanced to improve usability and facilitate more efficient management. Dialog now allows to select multiple topics at once, which can be used to modify multiple topics with fewer clicks.

Legend table size adjustment

Legend tool table row sizes have been adjusted to be more compact.

Create similar workflow update

Workflow has been updated when create similar has been used and then returned to install product dialog by using "select product". From now on dataset products are shown by default.
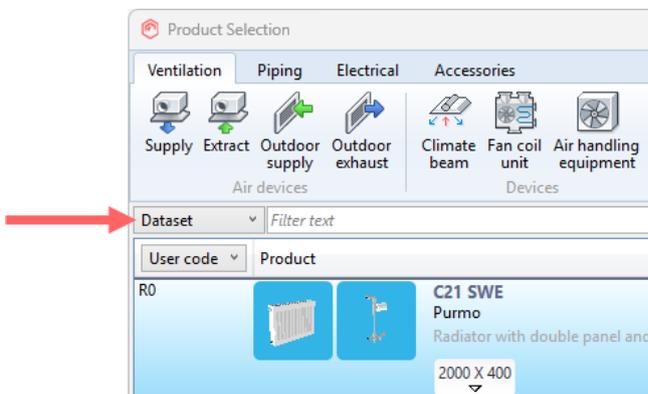
Wider support for room calculation points in different product groups
Room calculation point will now be added for products which have the point modelled in MagiCAD databases. This applies to the following categories:

Piping parts
HeatRadiator
WaterRadiator
MixingValve
ShuntStation

General accessories
Accessories

Electrical parts
ConnectionBox
Socket
Switch
Luminaire
Heater
Equipment
CombinationBox
OtherDevice
BackBox

Data and communication
MainUnits
SubUnits
Sockets
Devices
AudioVideo
Signal
FireAlarm
Security
Others

Building Automation
SubStation
Controller
Probe
Actuator
Other

1.2 Ventilation and Piping

Valve tool can be used for climate beams and fan coils

Valve Tool has been improved so that it can be used for Fan Coils and Climate Beams. Zone Valves and Other Valves have been added to Valve Tool list which can be used when installing valves.

Find and replace for sizing radiators

The Find and Replace tool now includes a revised workflow for calculating and resizing radiators within the project, utilizing a familiar sizing interface. New workflow is particularly effective when space requirements are altered due to changes in layout or system modifications.
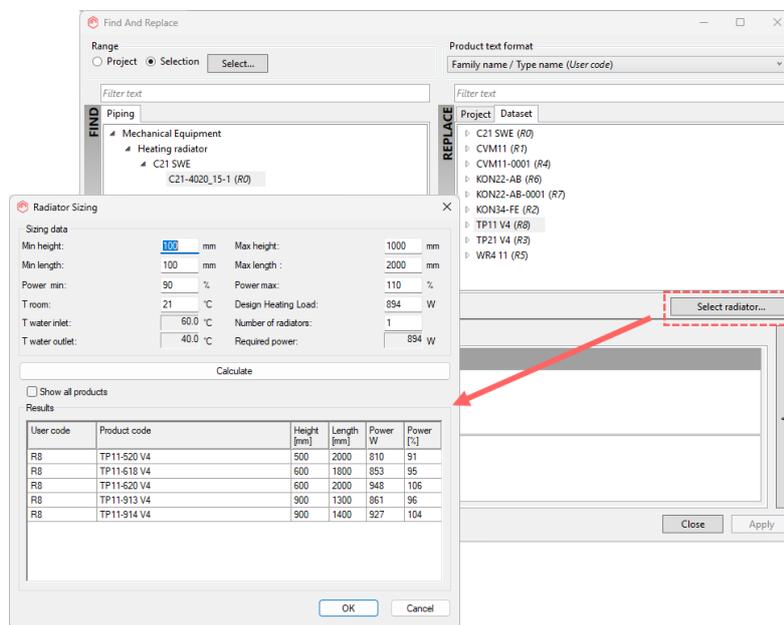
Improvement for Generic distribution box installation

Generic Distribution is now installed according to the view. Before it was installed with rotation if the view was rotated.

Generic AHU minimum size change

Generic AHU minimum Width, Depth and Height values changed to 100mm.

Mandatory 2D symbol selection disabled from some product categories

2D symbol requirement has been removed from flow damper, fire damper, silencer and other component.

Improvements to Drainage pipe series

New versions of MagiCAD contains changes for handling piping series. To make it easier to identify the pipe discipline, draw dialog now contains quick filter option to filter pipe series between piping and drainage. This addition also supports third party series, for which needed MagiCAD data can be added through pipe series updater function.
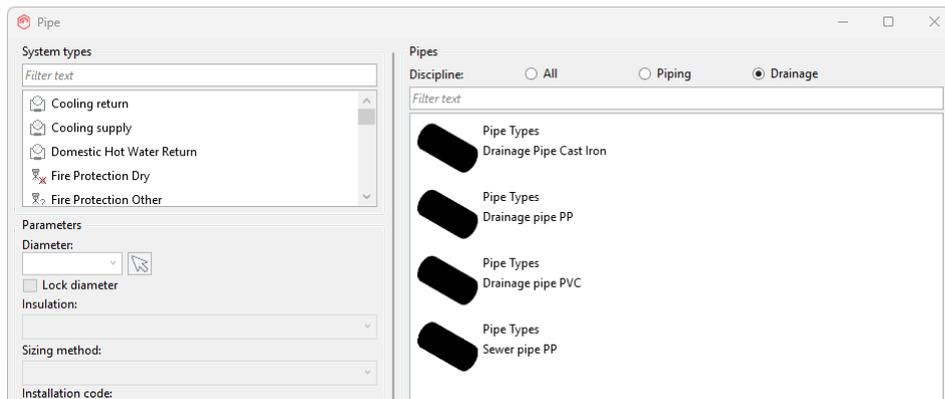
1.3 Electrical

New parameters for devices

We have added multiple new parameters for different object types to have a clear place where to add the data.

New parameters:
Switchboards
MC Impact Rating Value
MC Rated current [A]
MC Peak L-L-L Short-Circuit Current (Ipk [kA])
MC Short Time Withstand Current (Icw [kA])
MC Peak Withstand Current (Peak 3~ short-circuit value [kA])
MC Limited L-L-L Short-Circuit Current ([kA])
MC Voltage Drop Value (Cumulative voltage drop value at switchboard [V])
MC Voltage Drop Percentage (Cumulative voltage drop percentage at switchboard [%])
Devices
MC Impact Rating Value
Luminaires
MC Impact Rating Value
MC Bus Current
MC Light Control
CCT (Correlated Colour Temperature)
MC CRI Value (Colour Rendering Index)
Cable trays & Conduits
MC Impact Rating Value

CCT can be defined in luminaire properties in dataset and it will adjust Revit parameter Initial color.
Also, with Update Parameters, you can sum your Bus Current from devices to the circuit they belong.

![MagiCAD logo]

Default installation code and system code for cable trays and conduits

It is now possible to define default system and installation code to Cable tray series and Conduit series.
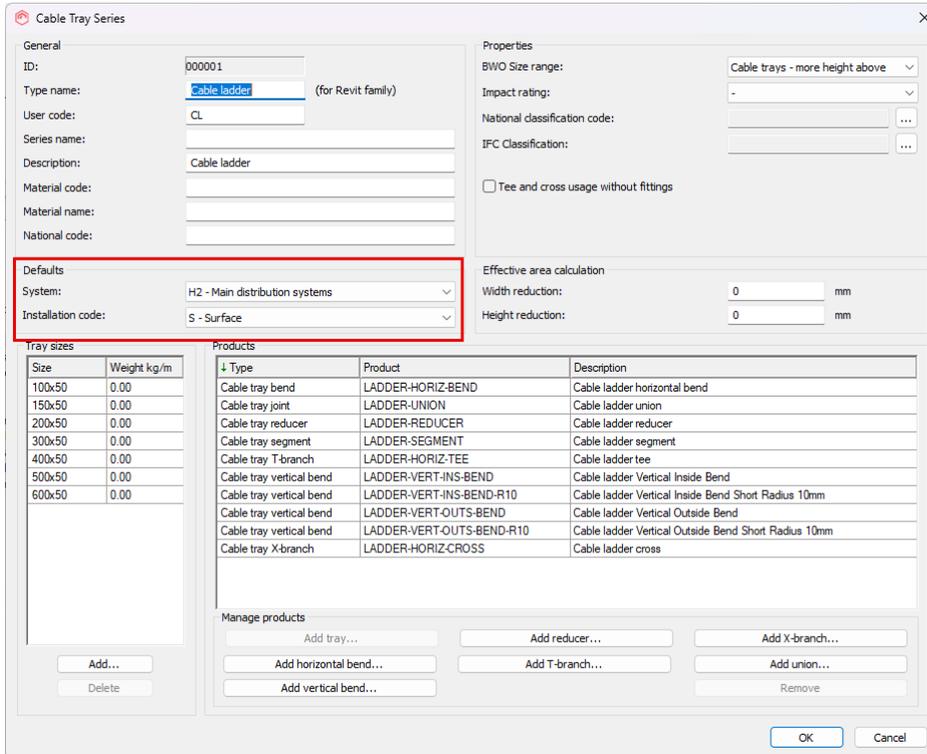
After creating or updating current series, install cable tray / conduit dialog will automatically select system and installation code from the selections made in the series.

Cable tray and conduit series dropdown list in Create and Update series functions are now sorted by:

User code

Type name

Description

Connection data for wires

Now wires will get information about the element they are connected to. Name of the element, their description and location (space name and number) will be shown in wire properties. In case of supply cable, it shows the connected switchboard.

Update parameters to copy missing System codes for trays and conduits

If some elements in tray or conduit network has lost its system code, you can now fix those missing system codes with Update Parameters function's "Missing system codes of cable trays and conduits" selection. Elements which are missing system codes will check nearest connected elements if they have system code and then update the data.

1.4 Supports & Hangers

Batch Install S&H distance to fire rated wall

Improvement has been made for Supports & Hangers Batch Install tool. It provides an option to set specific hanger distance from the wall or from the fire rated wall. User is able to use built in Fire Rating type parameter from the wall which is used to identify if the wall is fire rated or not. If Fire Rating parameter has a value, then it is identified to be a fire rated wall. These distances can be activated in additional settings. Walls from the native Revit models are supported.
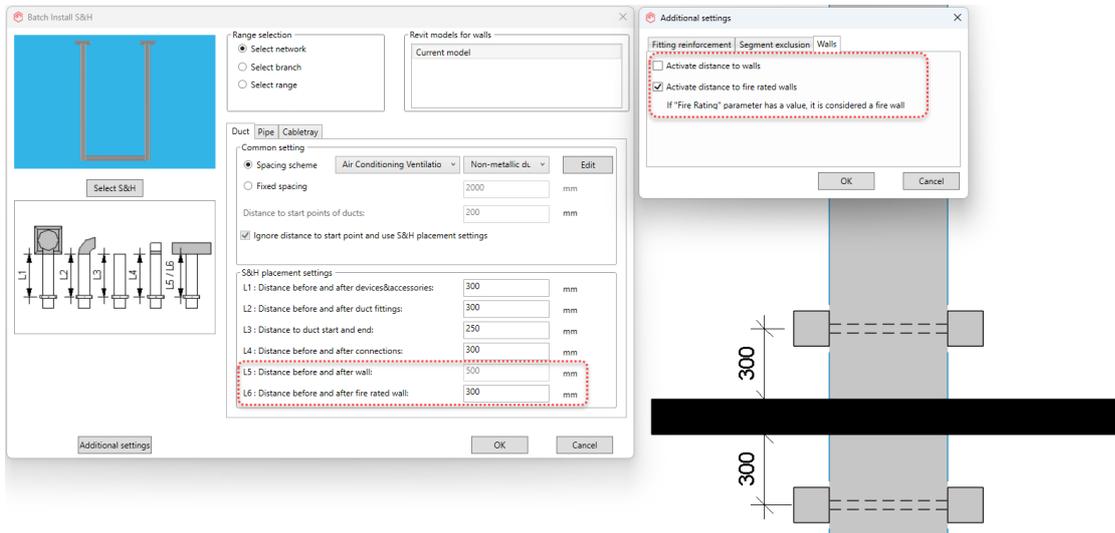
2 Resolved issues

2.1 Common

Exception when writing BCF report
In some scenarios exception occured when doing clash checking.

MagiCAD Create does not open up incase Connect is not installed
MagiCAD Create couldn't be opened if MagiCAD Connect was not installed.

MCREV doesn't show bitmaps in Attached product window
Issue where "Attached product" product window was not showing bitmap in preview.

The slider in Reactive processes in Batch Manager should activate that option
Batch Manager reactive process rows weren't changed to active if the slider was toggled "on" to "off" or vice versa.

Project Wizard - Space is created in wrong phase in MC 2026 MR for Revit 2026
Spaces which were created with Project Wizard couldn't be found from the project. This was due to that spaces were set in phase that was not used by the user. It is corrected so that spaces will inherit phase from current view.

Unexpected error when cancelling legend creation after Revit error
Legend Tool gave a Revit error in some scenarios when "Multiple legends" selection from "Split settings" selection was in use. After cancelling Revit error unexpected error occurred.

Title block is duplicated when using sheet manager
Title block was duplicated when using Sheet Manager due to annotation symbol in the title block family.

Spaces creation with project "Project Wizard" requires long time and gives error
Project Wizard space creation required longer time than expected and gave an error.

Using Product Browser causes MagiCAD to crash
MagiCAD sometimes crashed when using product browser and then using search.

2.2 Ventilation and Piping

1 point and 2 points tool from draw duct dialog does not work so well with sizes that ends with a uneven number
1 point and 2 points tool from duct draw dialog couldn't handle sizes with uneven numbers properly. Decimal point added for elevation fields to handle uneven sizes better.

Drainage connection doesn't work if the pipe below goes in Y -direction
Drainage Connection -tool was not working in scenario where pipe was exactly below the drainage device connector and pipe had Y-direction.

Drainage connection get stuck to "Selected devices doesn't contain any open connector" message

Drainage Connection -tool got stuck in the warning message. This happened in scenario where multiple devices were selected and those didn't have any open connectors.

Family from disk is available in certain scenario for radiator connection sets

"Select family from disk..." was shown for radiator connection sets if this option was used earlier for some other category in dataset.

Sprinkler calculation exception

Exception was thrown with piping calculations if product was not supported. Error message added for these scenarios.

Unexpected error when sizing project using DS 439:2024

Calculation gave an unexpected error when calculation was trying to write results back to model. This was occurring when using DS 439:2024 and when qMax was smaller than qSum and qSum was under 0,15 l/s.

Sprinkler calculation ends without any errors

Issue where sprinkler calculation, in some scenarios, ended without any error. The problem was caused by how the calculation handled tee and tap connections.

2.3 Electrical

Objects left away from Manage Back Boxes

If there are electrical devices from the same MagiCAD category which have different Revit category and they both have a back box selected, using Manage Back Boxes allows to select every back box in the function.

Deleting circuits with Manage Circuits: Revit API error

When there are pinned elements in switchboard schematic sheet's circuit symbol area, deleting circuit from Manage Circuits gave an error. Now delete works correctly.

Issues with decimal in diameter on Draw Cable Packet function

If in Draw Cable Packet function you add a decimal to diameter and you close the dialogue with OK. It was not possible to restart the the Draw Cable Packet function unless Revit was restarted.
Now defining diameter with decimal should not bring any issues.

Delete circuit function works unreliable

Sometimes when using Delete circuit function to a data block in switchboard schematic, it didn't always remove the 2D symbol. Now the 2D symbols is removed correctly.

2.4 Schematics

Not possible to delete schematics groups from the tree view

Delete option was disabled when right clicking schematic groups in dataset from tree view.

2.5 Supports & Hangers

S&H does not recognize fabrication part segment that has a branch done with a shoe/tap in/boot
Manual hanger installation was not working for fabrication segment if the segment had shoe or saddle parts attached to it.

Clamps not properly updated in the dialog if VT value is changed
Clamps were not sometimes updated to some of the segments in dialog when VT value was modified even though those were in 100mm range and automatic clamp installation should be adding clamps in those cases.

Clamp settings give fatal error in ACC environment
Install S&H dialog "Clamp setting" gave Revit fatal error if changes were made in Autodesk Construction Cloud environment. Clamp settings file path was invalid which led to error. Now path for clamp settings file is valid and stored locally.