



MagiCAD for Revit

Release notes for version 2026

27/05/2025

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1 New features

1.1 Common

Support for Revit 2026

MagiCAD now supports Revit 2026.

In Revit 2026, Cable Type replaces Wire Type in circuits, but wires are still drawn to printouts and wire types are located in the project's family tree. For now, the cable type of circuits is used as a reference to the desired wire type in MagiCAD. This is why in Wire Type Management, you can now synchronize wire type and cable type lists. You can also create new wire/cable types directly from the dialogue. Spare and space circuits are now handled in similar way as normal circuits, which means they are shown in Manage Circuits and can be linked to switchboard schematics, and you can also take a spare circuit directly into use in Revit by adding elements to it. However, spare and space circuits are still excluded from Electrical Calculations and Export Network functions in MagiCAD.

MagiCAD Connect updates

The next MagiCAD Connect release will bring some improvements on how selection tools and plugins are shown in design software. MagiCAD Connect is an add-in for MEP designers using Revit and MagiCAD for Revit. It brings BIM objects from MagiCAD Cloud to design software, and offers users also the possibility to use MagiCAD Cloud Selection Tools that help users to select and configure manufacturer products.

After the update, MagiCAD Connect -tab will include both MagiCAD Cloud Selection Tools and MagiCAD Plugins in the same location. Plugins have previously been under Add-in tab. MagiCAD Connect -tab itself will also be moved to a first position within MagiCAD modules as default. Placement of the tab can be changed by drag dropping (ctrl + drag) the MC Connect tab.

MagiCAD Cloud Selection Tools will continue to be automatically available under MagiCAD Connect, and MagiCAD Plugins show up after user has downloaded them. In MagiCAD for Revit, Add-ins -tab will include a button taking users to MagiCAD Connect during transition period.

With these improvements, we aim to improve the usage of all selection tools and plugins.

New Accessories discipline in Product selection

Products outside of existing MagiCAD product categories are sometimes needed in design. These products are now available in a new Accessories tab in the Product selection window.

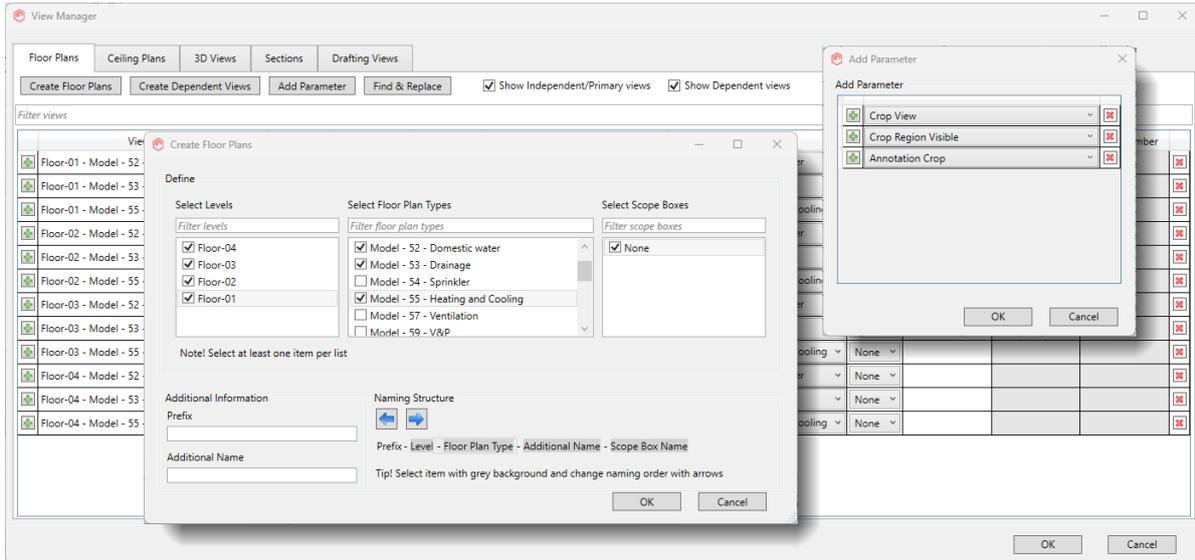
The Accessories tab includes two product classes: Accessories and Fire seals. The Accessories product class includes products that can be used across multiple design disciplines and or do not have connectors, such as wireless transmitters or fire extinguishers. The Fire seals product class includes fire protection components, such as fire cuffs and transits. The new product classes enable more detailed design and more accurate quantity lists.

Dataset stored in Autodesk Construction Cloud

Datasets in Autodesk Construction Cloud are now supported via Autodesk Desktop Connector.

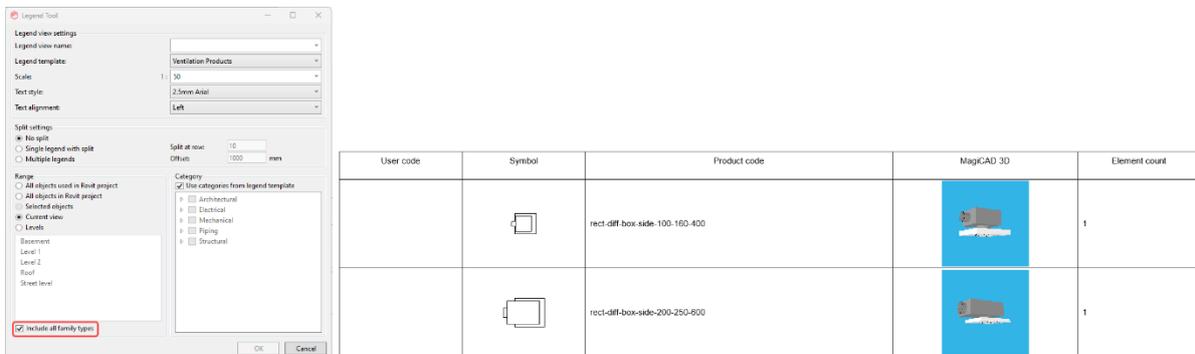
View Manager naming structure and list improvements

Multiple improvements have been made to the View Manager. It is now possible to modify naming structure manually by using arrow keys. Additionally, views and other lists can now be filtered by name. "Crop View", "Crop View Visible" and "Annotation Crop" parameters have been added as well.



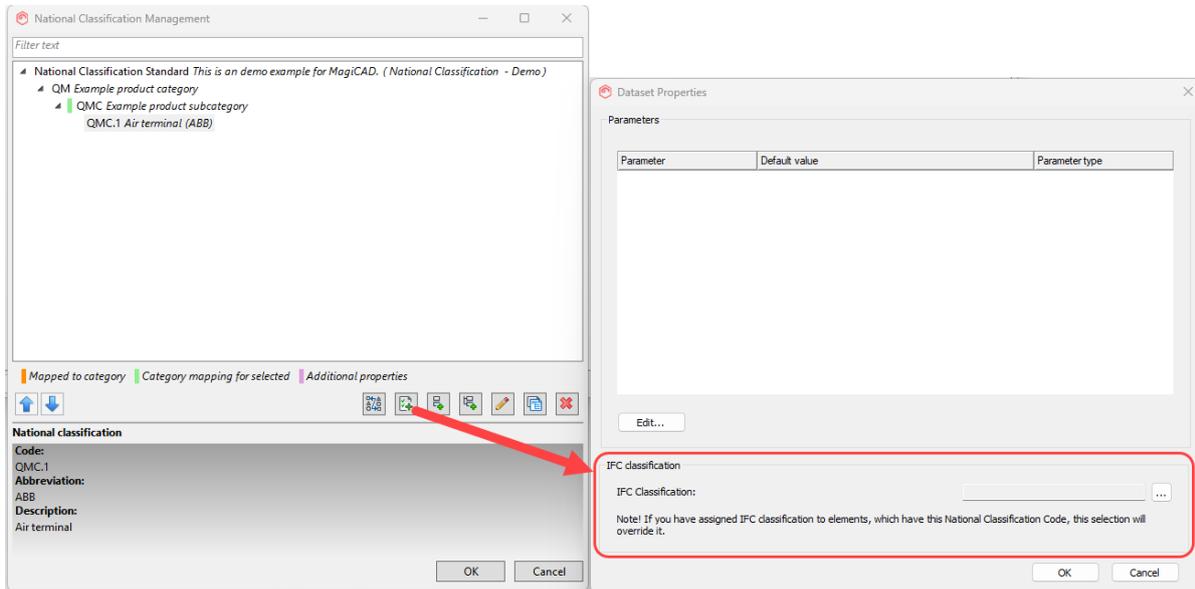
Include all family types to Legend

Legend Tool now provides an option to include all family types into the table.



IFC Classification written with National Classification codes

National classification codes can now be used to write IFC classification data. This is done by assigning IFC Classification to National Classification Code item additional properties. IFC Classification will be then inherited from National Classification Code item when modelling elements to the project.



Clean-up and deliver family and type naming convention

Clean-up and deliver tool now allows you to define naming conventions for family and type groups. Revit family types are Users need to simply select a group, override the default naming, and build a new naming convention by selecting constant elements and type parameters. The naming conventions are saved into the tool and can be easily re-used in later projects.

Manual provision reference level improvement

Provision for Builderswork -tool offset value behavior has been improved when provision is created with "Manual" -option. After selecting a reference element the offset value in the dialog is changed to be relative to the level of the current view. This will prevent situations where provision is set to incorrect offset if reference level of the selected reference element and the current view are different.

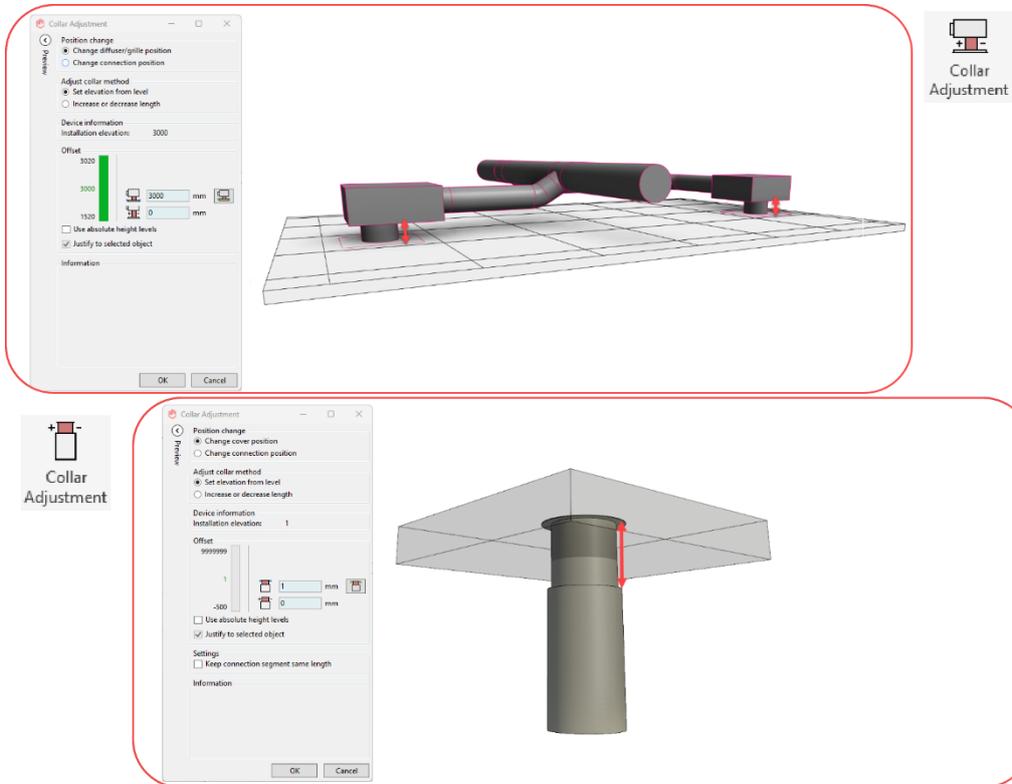
Product browser online database address change

Product browser online database address has been changed. This should not have any effect when fetching products from the online database. This update has been made to better ensure safe data transfer.

1.2 Ventilation and Piping

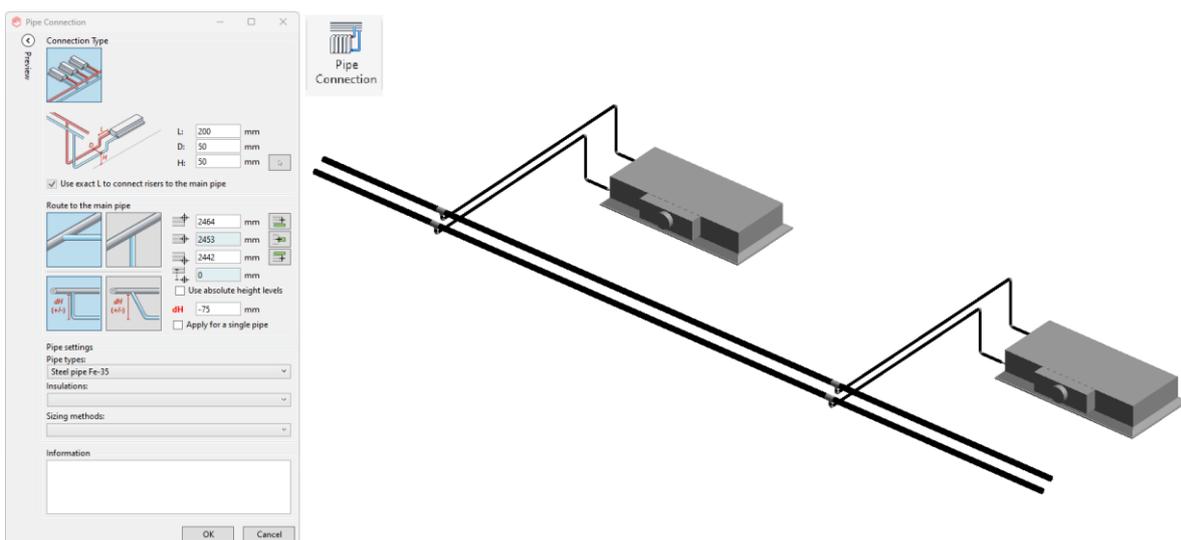
New Collar Adjustment -tool

New tool for adjusting collar lengths for air terminal and piping products. There is a possibility to choose between changing the connection position or diffuser/grille/cover position. This tool will work vertically and horizontally stretching collars. Different products have different collar lengths and limits. Therefore, range column in dialog provides easy way to check if product collar length can be adjusted to the target elevation.



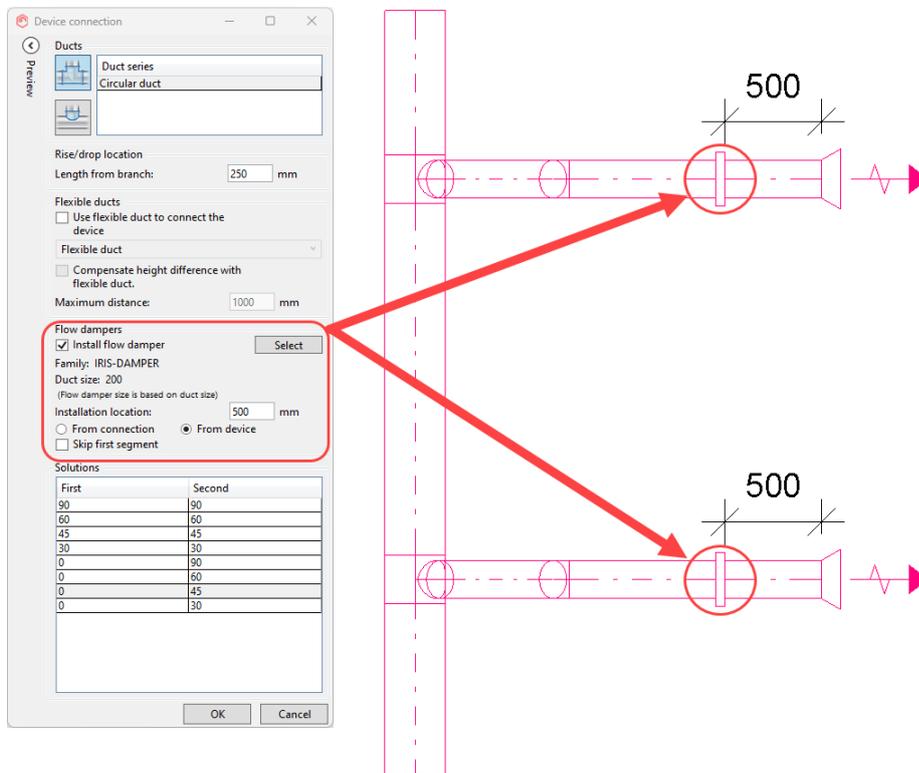
Multiconnection for fancoil units and climate beams

Pipe Connection -tool now supports multidevice connection for fan coils and climate beams when using direct connection option. This will ease connection if there are many fan coils or climate beams to be connected.



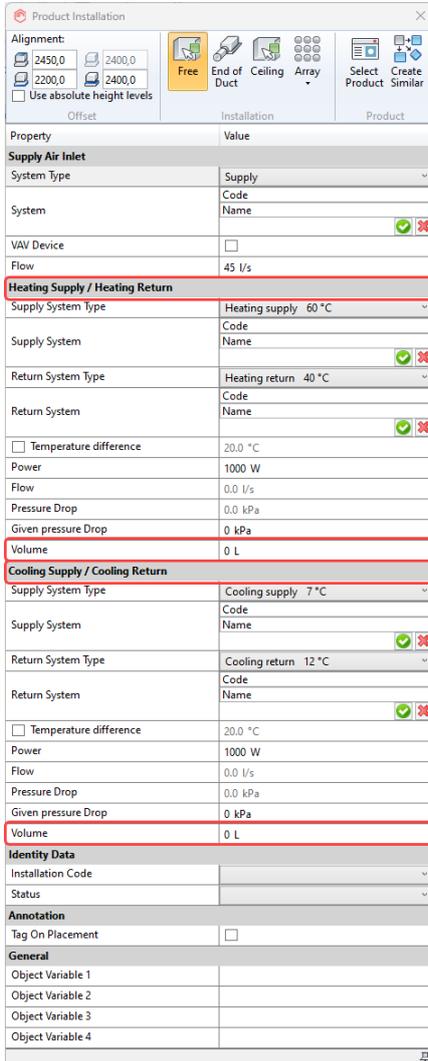
Improved Device connection -tool

Flow damper installation is now supported when using air terminal device connection tool.



Climate beam and fan coil water volume data improvement

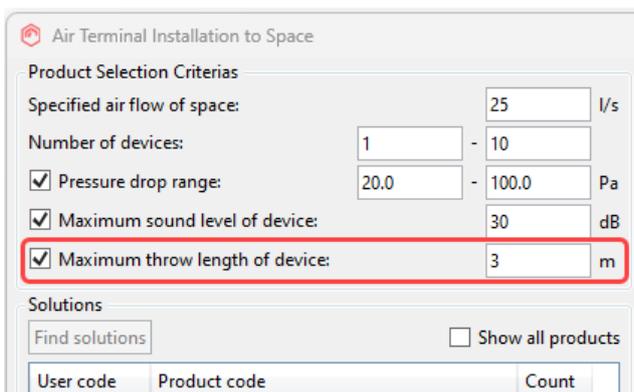
With climate beams and fan coils it is now possible to manually set volume for heating and cooling circuits separately in product installation dialog to improve the overall network volume calculations. Change also means that manufacturer products can have the unique data for each circuit, if the product contains the data it cannot be changed manually.



Property	Value
Supply Air Inlet	
System Type	Supply
System	Code Name
VAV Device	<input type="checkbox"/>
Flow	45 l/s
Heating Supply / Heating Return	
Supply System Type	Heating supply 60 °C
Supply System	Code Name
Return System Type	Heating return 40 °C
Return System	Code Name
<input type="checkbox"/> Temperature difference	20.0 °C
Power	1000 W
Flow	0.0 l/s
Pressure Drop	0.0 kPa
Given pressure Drop	0 kPa
Volume	0 L
Cooling Supply / Cooling Return	
Supply System Type	Cooling supply 7 °C
Supply System	Code Name
Return System Type	Cooling return 12 °C
Return System	Code Name
<input type="checkbox"/> Temperature difference	20.0 °C
Power	1000 W
Flow	0.0 l/s
Pressure Drop	0.0 kPa
Given pressure Drop	0 kPa
Volume	0 L
Identity Data	
Installation Code	
Status	
Annotation	
Tag On Placement	<input type="checkbox"/>
General	
Object Variable 1	
Object Variable 2	
Object Variable 3	
Object Variable 4	

Throw length data use enhancement

It is now possible to use throw length as a selection criteria and set a maximum throw length during air terminal selection in install to space feature, which allows you to identify the optimal solution for a given space more efficiently. Additionally, throw length is shown as a dynamic point in throw length charts in different MagiCAD features.



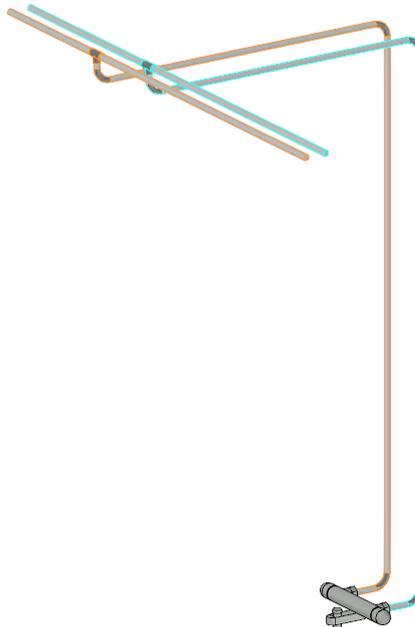
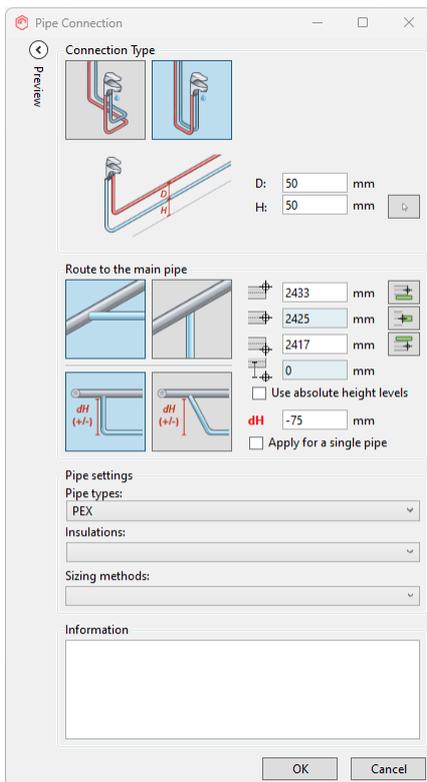
User code	Product code	Count
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Danish domestic water calculation based on DS 439:2024

Danish domestic water calculation standard DS439:2024 is now supported.

Improved pipe connection tool with water devices

New scenario added to the Pipe Connection -tool when it is used for water devices which connectors are from behind. "Horizontal" option can now be used in this scenario which allows it to work similarly than with devices which connectors are from top.



Piping now supports liters per hour (l/h) as units for piping flow.

Piping now supports liters per hour (l/h) as units for piping flow.

Domestic water device hot pipe left default change

Setting to control the hot pipe location for domestic water devices is changed to active as default in product selection for dataset.

1.3 Electrical

Improvements to Switchboard Schematics

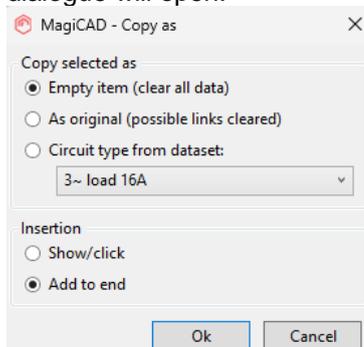
- Renumber

Now you can use a new "Renumber" function directly in switchboard schematic sheets for numbering circuits, but renumbering can still also be done in Manage Circuits as before.

When changing numbers to circuits which already had a number, numbers in those circuits will be considered as free and they can be reassigned.

- **Copy As**

With a new "Copy As" function, you can copy several data blocks at the same time and decide how they are copied. Run and select or preselect and run the function, and the following dialogue will open.



Here you can select how to copy the selected data blocks:

Empty item: Clears all data from the data blocks and they will be added to the defined place. Depending on how many circuits were selected, that many new data blocks will be added.

As original: Data blocks will be copied as they originally were to the defined place. Only possible links are cleared.

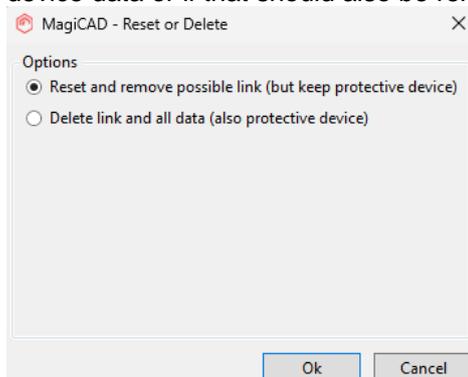
Circuit type from dataset: You need to select a circuit type from the dropdown menu and the new data blocks will get the data defined for the type in the dataset.

You can also select whether the new circuits will be inserted to the point you click in the schematic or if they will be added to the end of the schematic.

NOTE! Possible links from the selected circuits will not be copied to the new data blocks.

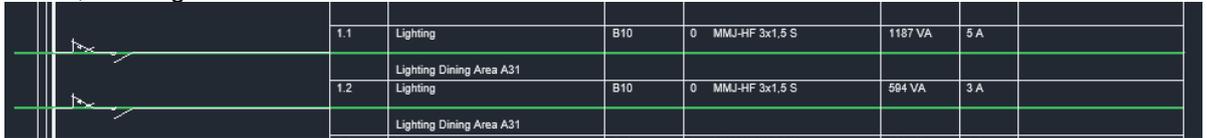
- **Reset / Delete**

You can now reset circuit links from circuits in switchboard schematic sheets. When using the new "Reset/Delete" function, you first need to decide whether you want to keep protective device data or if that should also be removed.



- **Mark Linked**

With this function you can mark all data blocks, which have been linked to circuits in the model, with a green line.

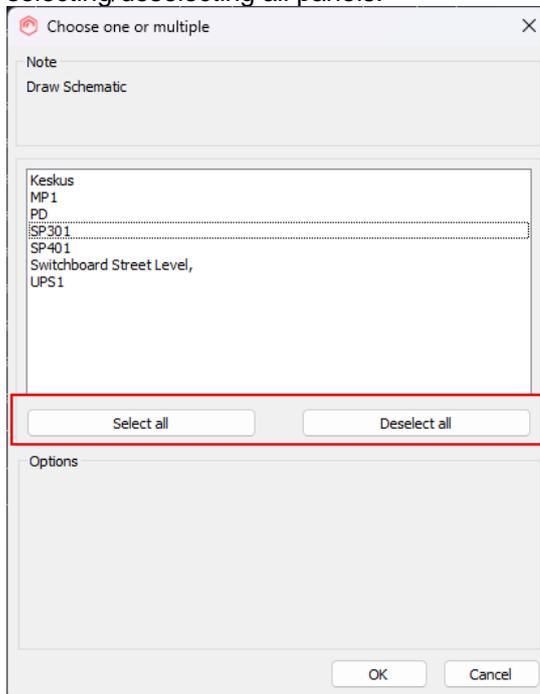


1.1	Lighting	B10	0	MMJ-HF 3x1,5 S	1187 VA	5 A	
	Lighting Dining Area A31						
1.2	Lighting	B10	0	MMJ-HF 3x1,5 S	594 VA	3 A	
	Lighting Dining Area A31						

The "Unmark" function can be used to clear the green lines.

- **Create / Regen Schematic**

"Select all" and "Deselect all" buttons have been added to the dialogue for quickly selecting/deselecting all panels.



- **Create Printouts**

"Select all" and "Deselect all" buttons have been added to the dialogue for quickly selecting/deselecting all panels.

"Delete empty pages from the end" checkbox can be used to delete all empty pages from the end of the printouts when they are updated.

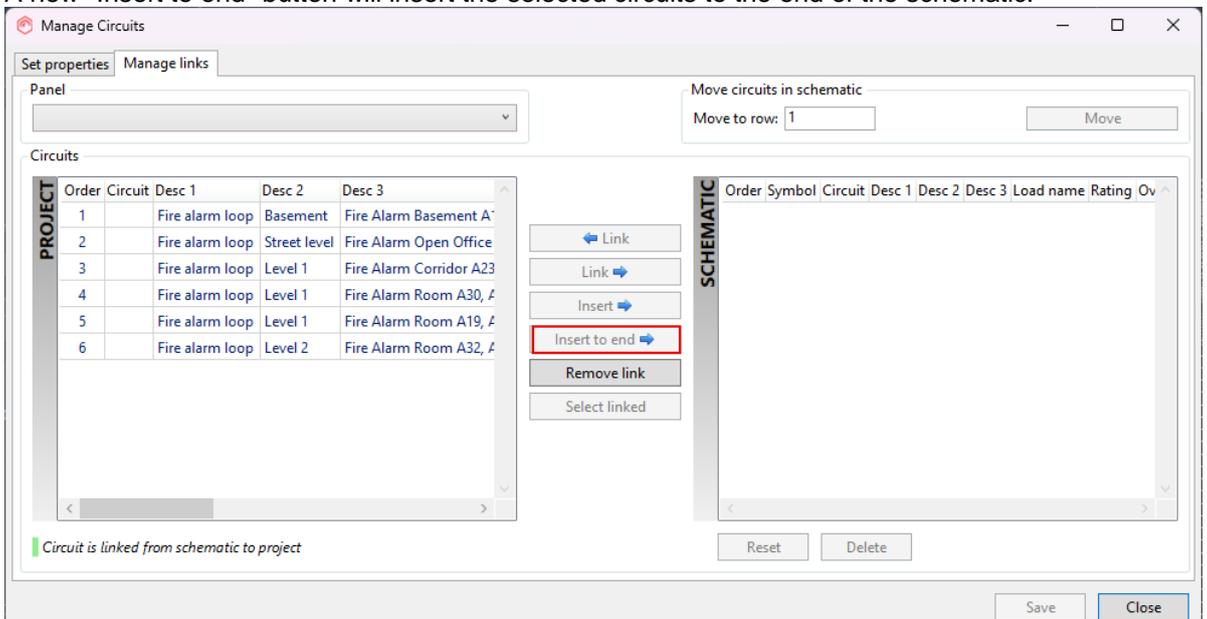
Revisions on sheets, revision clouds and sheet collection will be copied from model sheets to printouts.



- Manage Links

When inserting new circuits into the schematic, new data blocks will be created to the end if there aren't enough free ones in the last schematic sheet.

A new "Insert to end" button will insert the selected circuits to the end of the schematic.



Generic model symbols in Symbol Organiser

Symbol Organiser now works properly with generic model symbols as it does with annotative symbols. Also, when you have both generic and annotative symbols in the selection, 2D symbols are moved correctly.

NOTE! Movements are done according to the current view's scale.

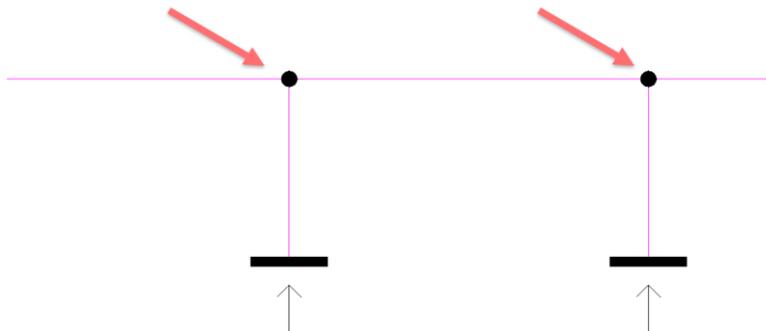
Back box installation enhancements

- When installing a back box together with a device, the status of the host object will also be assigned to the backbox. The same applies when using the Manage Back Boxes feature for assigning back boxes to already installed devices.
- The default installation codes of back boxes are now assigned to them also when adding back boxes for devices in the project. Previously they were only used when placing back boxes separately.
- Default systems can now be defined for back boxes in the dataset and you can change them when installing back boxes separately. When installing a back box together with a device, the backbox will receive the default system defined for it in the dataset. The same applies when using the Manage Back Boxes feature for assigning back boxes to already installed devices.

1.4 Schematics

Split point symbol

Schematic settings now have option to "insert a symbol to a split point" which resembles a branch connection. When the setting is active, node symbol is inserted whenever a line is being split, and it moves with the split point if the branches are moved with MagiCAD move and stretch tool.



1.5 Supports & Hangers

S&H manufacturer menu order improvement

If manufacturer or generic category does not have any product for the used purpose, then manufacturers or generic categories which does not have anything for the purpose will be sorted to bottom of the list. This ease up finding suitable product.

Object data storage format change

Necessary change has been made to object data storage format. Older MagiCAD versions will not be compatible if old S&H model is upgraded to this version.

Detailed S&H improvement

Detailed S&H tool has been improved to give a warning before Detailed S&H saving dialog. Warning will notify user that current file will be closed and Detailed S&H model will be opened after saving Detailed S&H model to defined path.

2 Resolved issues

2.1 Common

Fatal error correction

Fatal error occurred in certain scenarios when dataset content was opened in worksharing environment. Further corrections have been made to solve the issue.

Some linked models do not appear in MagiCAD functions

Some linked models did not appear in BWO tool. Improvement has been made where more modern way is now used with BWO when getting the list of linked projects.

2.2 Ventilation and Piping

Calculations are inconsistent throughout product installation

Calculated flow and pressure drop were inconsistent throughout product installation. In installation dialog used values were based on only one of the related system (supply or return). Now fluid properties handling is corrected, and flow and pressure drop is same in product selection dialog, product installation dialog and in calculation.

Sprinkler connection extends main pipe length with UI X value although it is connected.

Some Sprinkler Connection -tool settings were extending pipe for which sprinklers are being connected. This behavior sometimes led to disconnection.

Sprinkler connection UI issues

Sprinkler calculation dialog did not show any pipe size on the list with Revit 2025 if tool was opened first time. This behavior sometimes led into situation where dialog was unusable. User needed to select pipe size, then click OK and open tool again to get it working. There was another issue which was corrected as well where sprinkler connection dialog didn't remember last used routing options which sometimes made dialog usage confusing.

Angle to Horizontal "Create angle to horizontal to the end point / side direction" sloped pipe

Angle to Horizontal -tool "Create angle to horizontal to the end point / side direction" option was sometimes disabled but selection was "on" and tool was using that selection. This selection is not supported with sloped pipes and selection will now be set "off" and is disabled as well.

Pipe series printed several times to sprinkler calculation report

Pipe series was printed several times to sprinkler calculation report general results if "User code" field was empty.

Diversity with tapped ducts/pipes is not working as should with calculations

Diversity was not written into a parameter when using "Automatically insert/remove splits to allow sizing of tapped ducts/pipes" from sizing options. Added warning if diversified flow is smaller than some of the incoming flows. Now diversity value is shown with 2 decimal precision.

Strange error message from calculation

Piping calculation gave an error message in rare scenarios which had only some numbers in it. Now these error messages are corrected so that it will show element ID of the element which is causing the issue so it is easier to find root cause of the issue.

Changing domestic water standard might fail

Error occurred when domestic water standard was changed to russian standrad.

Integrated radiator valves installation do not seem to work in 2025 UR-2

Integrated radiator valves together with connections sets produced an error.

Ventilation sizing process is cancelled due to network connectivity issues

"Change Properties"-tool "Duct series" change functionality was not working properly with fittings. For example, after the duct serie was changed with Change properties tool, then network was visually correct, but if some size was changed after, then old duct serie reducer was used.

2.3 Electrical

Map to existing in dataset didn't work in Dialux (Evo IFC) Import

If a product existed already in the dataset but not in the project, the "map to existing in dataset" did not work. It created the rfas but did not install any instances. You had to import again to get them installed. Now products are installed correctly.

Wasn't possible to connect a MC wire to an existing Revit wire with our Wire tool

You can now connect to a wire made with Revit's own wire tool with MagiCAD's Wire tool.

Border arrows gave an error and got too many visible labels

Border arrows now use the font settings, both font and width factor, of plan drawing symbols, and only the supported labels are added.

Manage Back Boxes gave an error with some products

When using the Manage Back Boxes function for products with the same MagiCAD class but different Revit category, you no longer get an error from the function. Elements that would create the error are discarded from Manage Back Boxes function.

Drawing wire from a device gives warning

If a device have been connected to a cable packet and then the device have been removed from a circuit. Information about the cable packet connection might have left to the object. When trying to draw wire from the object, an error came.

Now if that kind of old packet connection information is found from a device, MagiCAD will ask about removing the old connection data.