

# RIB CostX<sup>®</sup> 7.3 Release Notes

In this release, we have expanded the capabilities of the rate libraries feature by providing the ability to create building-specific rate libraries; as well as the ability to import embodied carbon rate libraries from 2050 Materials, an online platform that provides sustainability data for building products.

With the new capabilities, you can now create Building Rate Libraries, which can only be used in the building where they were created; in addition to setting up Global Rate Libraries, which can be used in any building. You can also easily import data from 2050 Materials into CostX as a rate library and use the data for environmental impact assessments.

Other highlights in this release include the addition of a Modified By column in the dimensions list to show who last modified a dimension in the list, support for RVT files from Revit 2025, and several usability improvements to the reporting module.

## Headline Features

- Ability to **create Building Rate Libraries**. This feature can be enabled or disabled on a per-building basis, meaning you can configure each individual building to either use Building Rate Libraries created in the building or use Global Rate Libraries set up in System Administration. When exporting a building or a project, Building Rate Libraries can be included or excluded depending on your needs.
- Enhanced support for embodied carbon estimating by providing the ability to **import carbon data from 2050 Materials via a CSV file**.
- New **Modified By** column in the dimensions list to show the name of the user who last modified a dimension in the list.
- Support for RVT files from **Revit 2025**.
- Improved **Bills of Quantities (2 or 3 level)** report template for workbooks.
- Enhanced interface of the **Select Report to Export** dialog.
- Ability to **add new locations** when importing projects.
- **Updated sign-in screen** for the Network Configuration to improve sign-in security.

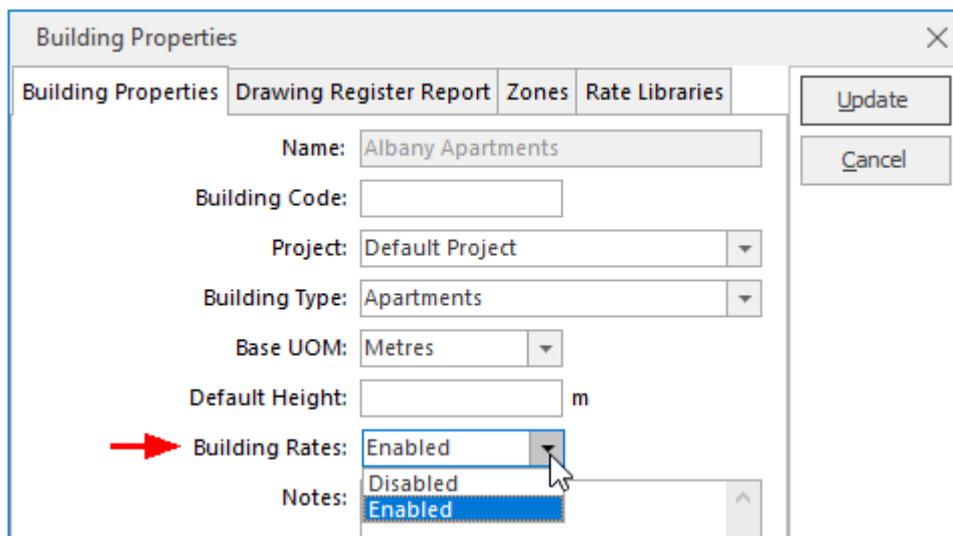
## Building Rate Libraries

Previously it was only possible to set up rate libraries in System Administration. Those rate libraries could be used in any CostX building and were referred to as Global Rate Libraries. In this release, you can also create rate libraries in a building, which can only be used in the building where they were created and are referred to as Building Rate Libraries.

The Building Rate Libraries feature can be enabled or disabled on a per-building basis. Building Rate Libraries and Global Rate Libraries cannot be used in the same building. If the Building Rate Libraries feature is enabled for a building, you will not be allowed to access Global Rate Libraries from that building. If you wish to use Global Rate Libraries, you must disable the Building Rate Libraries feature.

### Enabling or Disabling the Building Rate Libraries Feature

The Building Rate Libraries feature can be enabled or disabled by using the new **Building Rates** field in **Building Properties**.



The screenshot shows the 'Building Properties' dialog box with the 'Rate Libraries' tab selected. The 'Building Rates' field is set to 'Enabled' and is highlighted with a red arrow. The dropdown menu is open, showing 'Enabled', 'Disabled', and 'Enabled' options. The 'Name' field is 'Albany Apartments', 'Building Code' is empty, 'Project' is 'Default Project', 'Building Type' is 'Apartments', 'Base UOM' is 'Metres', and 'Default Height' is empty with a unit 'm'. There are 'Update' and 'Cancel' buttons on the right.

This setting can only be modified for buildings with a single revision - once the building revision is incremented, the **Building Rates** field will be made read-only, and it is no longer possible to change the enabled/disabled status of the Building Rate Libraries feature.

When this feature is enabled, the **Building Rates** field will also be made read-only after Rate Libraries are added to the building. To disable this feature for a building that already contains Building Rate Libraries, all Building Rate Libraries must first be removed, which will make the field editable again.

If the **Building Rates** field is made read-only, an information icon will be displayed to the right of the field. Hovering your mouse over the icon will display a hint explaining why the field has been disabled.

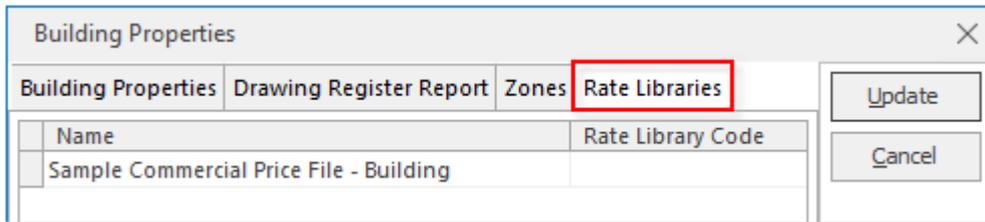


The close-up shows the 'Building Rates' field set to 'Enabled' with a blue information icon (i) to its right.

By default, the Building Rate Libraries feature is disabled for Buildings upgraded from older versions. If you wish to use this feature in an existing Building, you must manually enable it after the upgrade.

## Managing Building Rate Libraries

The rate libraries of a building can be centrally managed using the new **Rate Libraries** tab in **Building Properties**. You can add, edit, copy, and delete a Building Rate Library in the same way as when you are working with a Global Rate Library in System Administration. It is also possible to create a Building Rate Library by copying an existing rate library from System Administration or by importing it from a CSV file.



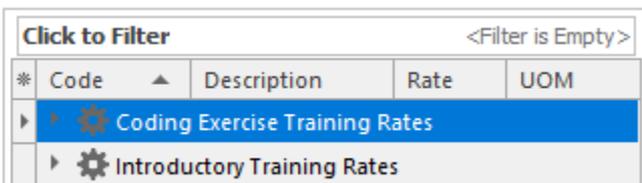
When importing a Building Rate Library from CSV, all rates are imported regardless of their location set in the CSV. However, only rates in the <Default Location> and rates with the same location as the active project will be displayed in the Rates List Window (described below).

In a Network Configuration, if a rate location set in the CSV does not currently exist in System Administration, only users with the [Add Locations on Import](#) permission will be prompted to add the new location. Users without this permission can choose either to import the relevant rates using an existing location, or to cancel the import.

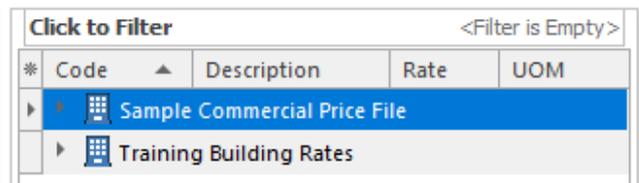
## Using Building Rates in an Estimate

Similar to Global Rate Libraries, rate information from a Building Rate Library can be dragged into an estimate from the Rates List Window.

Depending on whether the Building Rate Libraries feature is enabled, the Rates List Window displays either the list of Global Rate Libraries from System Administration or the list of Building Rate Libraries in the current building. You can identify which type of Rate Libraries is currently being displayed using the icons to the left of the Rate Library names - Global Rate Libraries use the System Administration “gear” icon, while Building Rate Libraries use the “building” icon, as shown below.



*Global Rate Libraries*



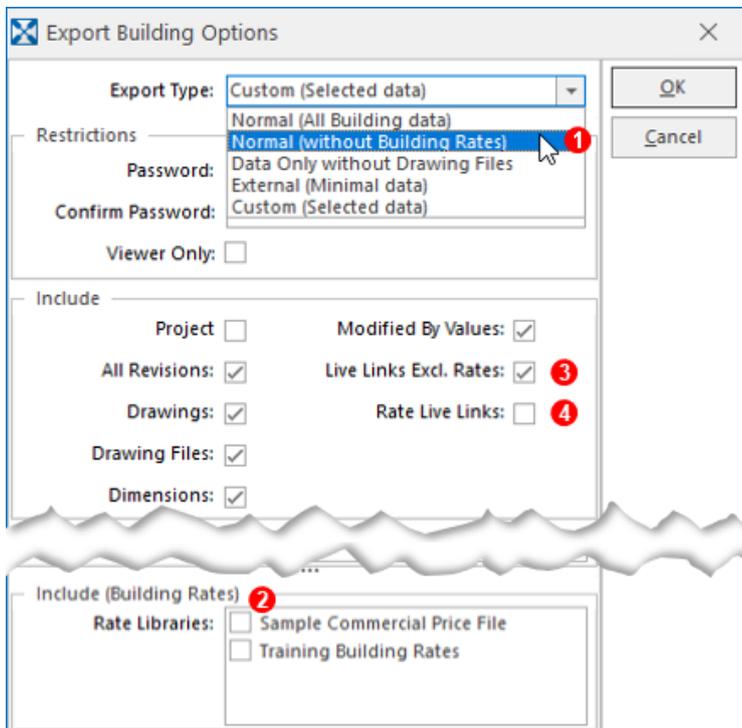
*Building Rate Libraries*

## Building Rate Library Revisions

When a building revision is added, all Building Rate Libraries from the previous revision are copied to the new revision. Building Rate Libraries in the new revision are not linked to those in the previous revision - changing (inserting, updating, or deleting) Building Rate Libraries in the new revision will not affect those in the previous revision.

## Exporting a Building with Building Rate Libraries

When exporting a building to EXF, if the building to be exported contains Building Rate Libraries, the **Export Building Options** dialog will additionally provide a **Normal (without Building Rates)** option **1** in the **Export Type** drop-down list and an **Include (Building Rates)** section **2** at the bottom.



The **Normal (without Building Rates)** option can be used to export all data in the building except Building Rate Libraries. It is also possible to use other **Export Type** options to include all or specific Building Rate Libraries in the export. The **Include (Building Rates)** section allows you to select which Building Rate Libraries you want to export.

In the **Include** section of the **Export Building Options** dialog, the previous **Live Links** option has been split into the following two options:

- **Live Links Excl. Rates** **3** (all live links other than rate live links, i.e., live links to dimension groups, constants, values, etc.)
- **Rate Live Links** **4**

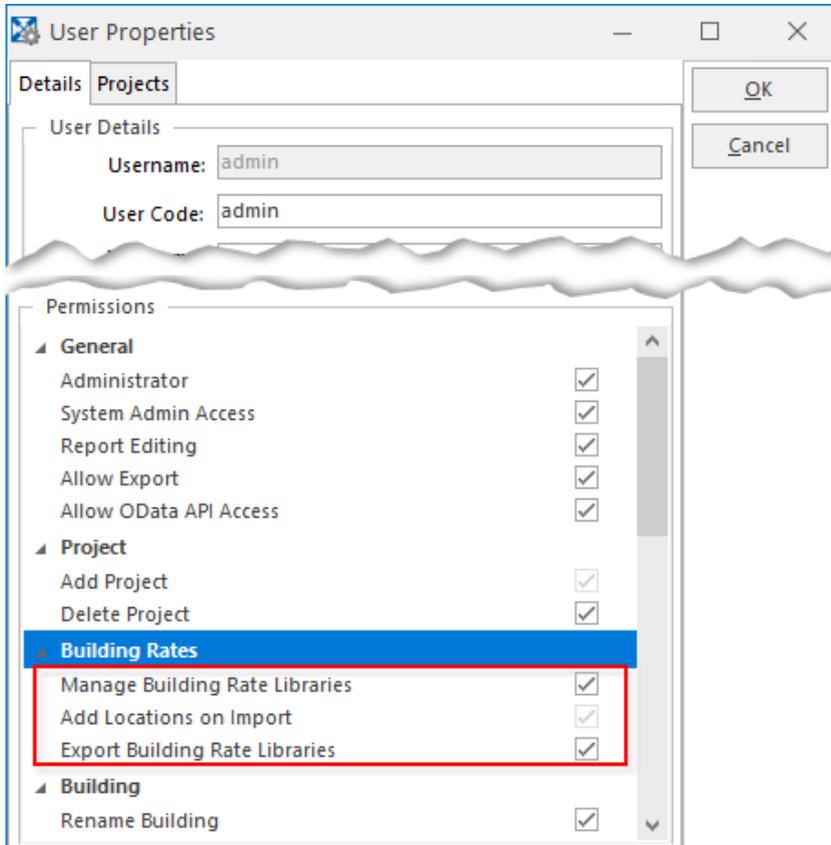
When the **Export Type** is set to '**Normal (without Building Rates)**', the **Rate Live Links** option is automatically deselected, meaning live links to rates will not be maintained and will be converted to numbers.

## Exporting a Project with Building Rate Libraries

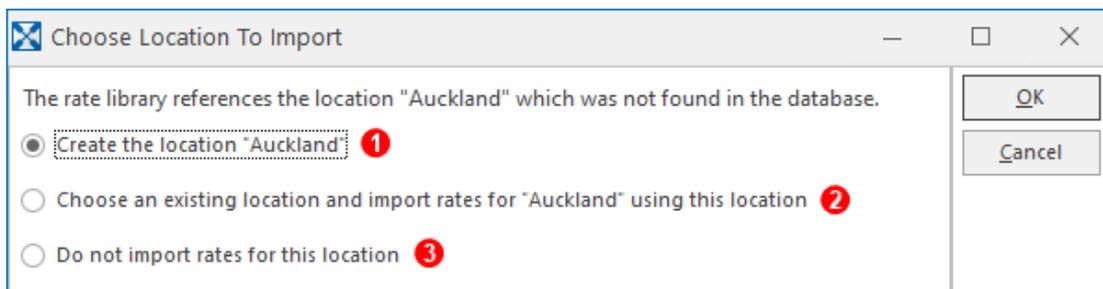
The **Export Project Options** dialog has the same changes described above except that it does not provide an **Include (Building Rates)** section for selecting which Building Rate Libraries you want to export. When exporting a project, you must either export all Building Rate Libraries with the project or exclude them all from the export. It is not possible to export only specific Building Rate Libraries.

## Permission Controls for the Network Configuration

In the Network Configuration of CostX, there are three new permissions in the user permissions list in CostX Server Admin for managing user access to the Building Rate Libraries feature.



- Only users who are given the **Manage Building Rate Libraries** permission can enable or disable this feature, as well as managing Building Rate Libraries.
- When importing a project or a building with Building Rate Libraries, if any Building Rate Library uses a location that does not currently exist in System Administration, only users with the **Add Locations on Import** permission will be provided the option to add the new location **1**. Without this permission, the user can only import the rates using an existing location **2** or skip importing the rates **3**.



- To include Building Rate Libraries in an export, the user must have both the **Allow Export** and **Export Building Rate Libraries** permissions.

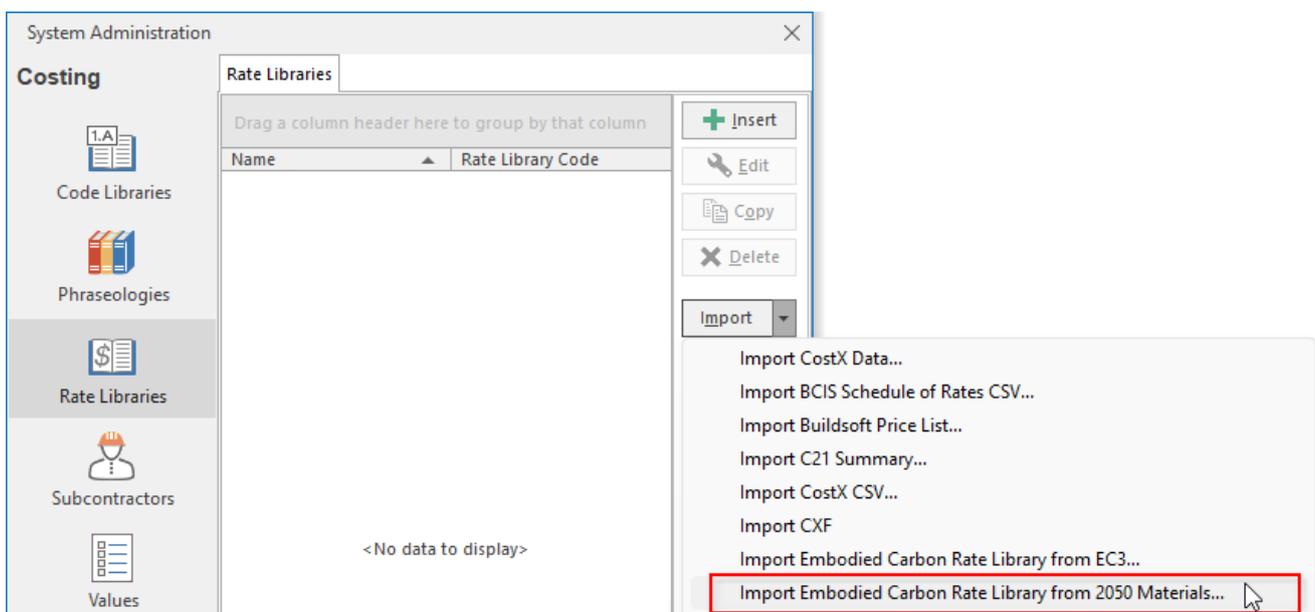
## Carbon Rate Libraries from 2050 Materials

Previous versions of CostX already supported using embodied carbon rate libraries from EC3 for carbon estimating. As part of our ongoing commitment to improving the building industry's sustainability, in this release, we have added support for one more source of carbon data – [2050 Materials](#).

2050 Materials is an online platform which provides a comprehensive database of sustainability data for building materials. Users can obtain the following two types of data libraries from 2050 Materials in CSV (comma separated values) format:

- Generic Materials
- Product Data

These two types of CSV data libraries can be directly imported into CostX as a rate library by using the new **Import Embodied Carbon Rate Library from 2050 Materials** option on the Rate Libraries List Window in System Administration.

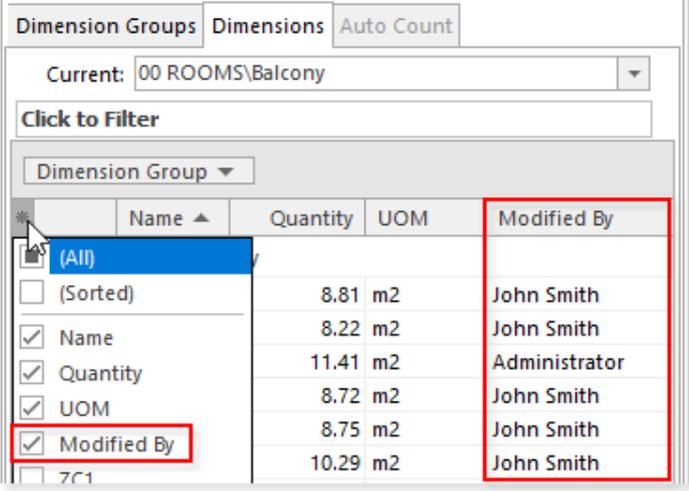


The imported data can then be used for environmental impact assessments (e.g. to calculate the carbon impact of various building materials).

For step-by-step instructions on how to import a CSV file from 2050 Materials, refer to the *Importing an Embodied Carbon Rate Library from 2050 Materials* topic in CostX Help.

## New 'Modified By' Column for Dimensions

A new **Modified By** column is now available in the Dimensions List Window to show the name of the user who last modified a dimension in the list. This new column can be displayed or hidden as needed by using the  (Customize Columns) button located on the left of the headings bar.



The screenshot shows the 'Dimensions' window with a table of dimension data. A red box highlights the 'Modified By' column header and its data cells. Another red box highlights the 'Modified By' checkbox in the column selection menu on the left.

	Name	Quantity	UOM	Modified By
<input type="checkbox"/>	(All)			
<input type="checkbox"/>	(Sorted)	8.81	m2	John Smith
<input type="checkbox"/>	Name	8.22	m2	John Smith
<input checked="" type="checkbox"/>	Quantity	11.41	m2	Administrator
<input checked="" type="checkbox"/>	UOM	8.72	m2	John Smith
<input checked="" type="checkbox"/>	Modified By	8.75	m2	John Smith
<input type="checkbox"/>	7C1	10.29	m2	John Smith

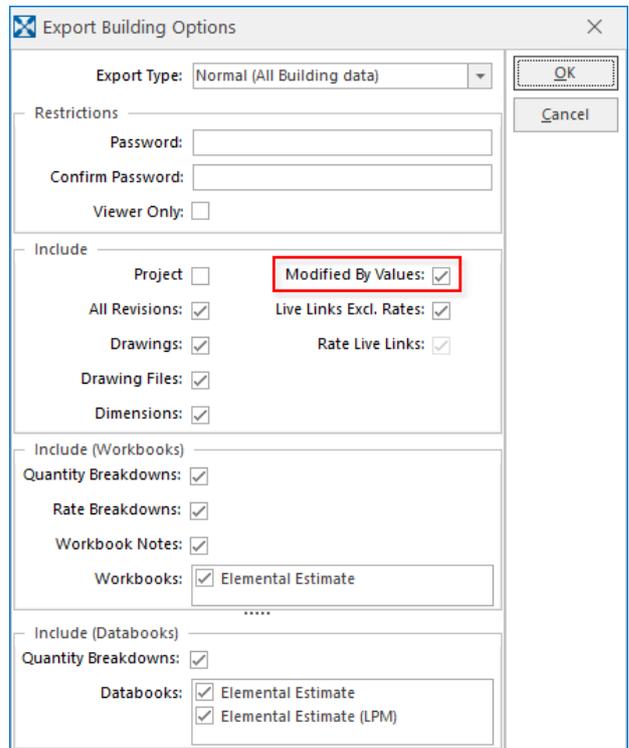
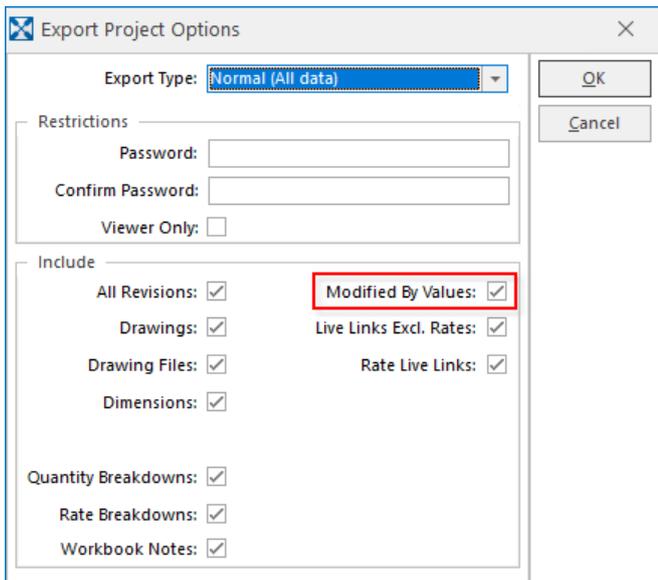
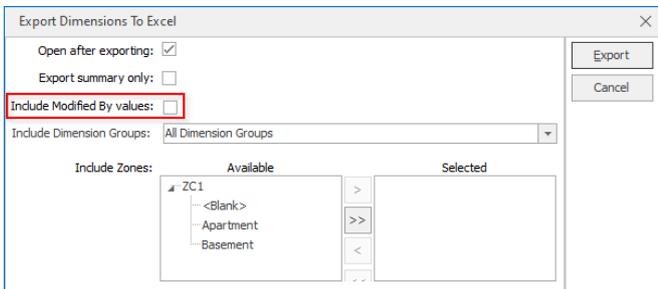
In a Network Configuration, when a user adds or edits dimensions, the **Modified By** column captures the user's full name set in CostX Sever Admin. If the user's full name is not set in CostX Server Admin, their username is used instead.

In a Standalone Configuration, the user's full name set in the **General** tab of **CostX Options** is captured for dimension changes. If the user's full name is not set, their user code is used instead. If both the full name and user code are not set, the **Modified By** column is left blank.

After upgrading to 7.3, existing dimensions will not have any value in the **Modified By** column. Users' names will be captured for new changes made in 7.3 as follows:

- If a user performs any of the following actions on an individual dimension, the user's name is recorded by the **Modified By** field of that dimension:
  - Create a dimension.
  - Edit a dimension, such as editing the dimension properties, moving the dimension, or changing the geometry of the dimension.
  - Copy or move a dimension to another dimension group.
  - Revise or accept a dimension in a Building revision.
- If a user edits a dimension group property, resulting in changes to the properties of the dimensions in the dimension group, the user's name is recorded by the **Modified By** fields of all changed dimensions.
- If a user copies a dimension group and its constituent dimensions, the user's name is recorded by the **Modified By** fields of all copied dimensions in the new dimension group.
- If a user changes the Base UOM of a Building, the user's name is recorded by the **Modified By** fields of all dimensions in the building as this causes all dimensions to be recalculated.

When exporting dimensions to Excel and exporting a project or building to EXF, it is possible to choose whether you want to include the “Modified By” values for dimensions in the export.

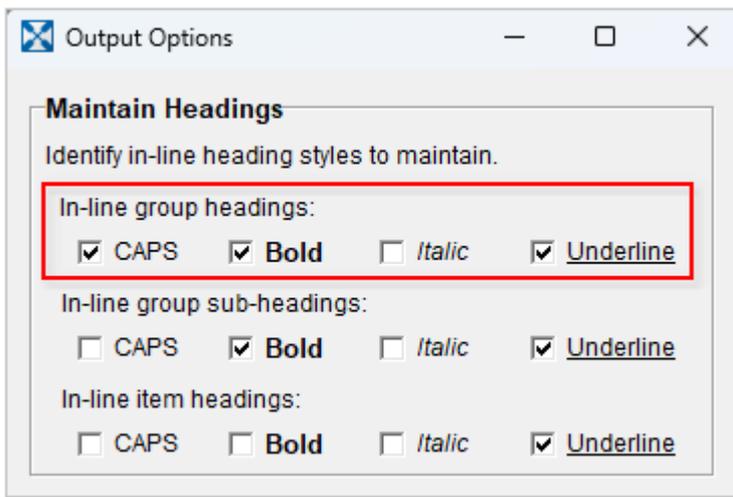


# Reports

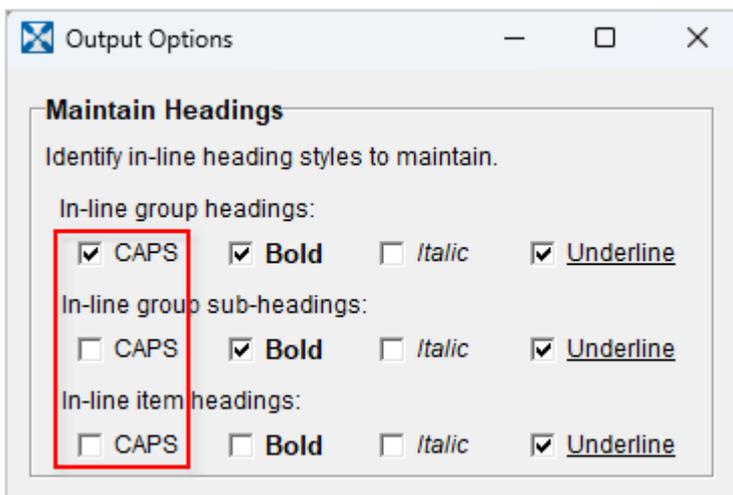
## Improved *Bills of Quantities (2 or 3 level)* Report Template

The **Bills of Quantities (2 or 3 level)** report template, which is designed to work with two and three-level workbooks and available in the reports list as one of the out-of-the-box templates, has been updated with the following improvements:

- Better handling of where Collections, Summaries and Final Summaries extend to more than one page.
- Support for maintaining an additional level of in-line headings.



- Introduction of (all) capital lettering as a recognised format for in-line headings on top of the existing bold, italic and underline formatting.



For detailed information about this report template, refer to the *Using the Bills of Quantities (2 or 3 Level) Report Template* section in the CostX Custom Reports Guide.

## Improved Interface of the 'Select Report to Export' Dialog

The **Select Report to Export** dialog for selecting a report to export to EXF has been enhanced to provide a more efficient interface, making it much easier to find a report from the reports list.

Select Report to Export
✕

Drag a column header here to group by that column

*	Name	Title ▲	Folder	Report Type	From	To
▶	Bills of Quantities (2 or 3 level) (EN)	Bills of Quantities (v2.0)	* Techweb ...	Custom (System)	1	3
	Estimate Report (L1-6) (EN)	Estimate Report (v2.0)		Custom (System)	1	6
	Subcontractor Comparison: 6 Subs (Extended) (EN)	Subcontractor Comparison		Custom (System)	1	2
	Subcontractor Comparison: 10 Subs (Extended) (EN)	Subcontractor Comparison		Custom (System)	1	2
	Subcontractor Comparison: 6 Subcontractors (EN)	Subcontractor Comparison		Custom (System)	1	2
	Subcontractor Comparison: 10 Subcontractors (EN)	Subcontractor Comparison		Custom (System)	1	2
	Subcontractor Analysis: 8 Subcontractors (EN)	Subcontractor Comparison Analysis		Custom (System)	1	1
	Subcontractor Percentages: 6 Subcontractors (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Percentages: 10 Subcontractors (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Summary (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Summary: 6 Subcontractors (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Summary: 6 Subs (Extended) (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Summary: 10 Subcontractors (EN)	Subcontractor Comparison Summary		Custom (System)	1	1
	Subcontractor Summary: 10 Subs (Extended) (EN)	Subcontractor Comparison Summary		Custom (System)	1	1

<Filter is Empty>
Customize...

Select

Cancel

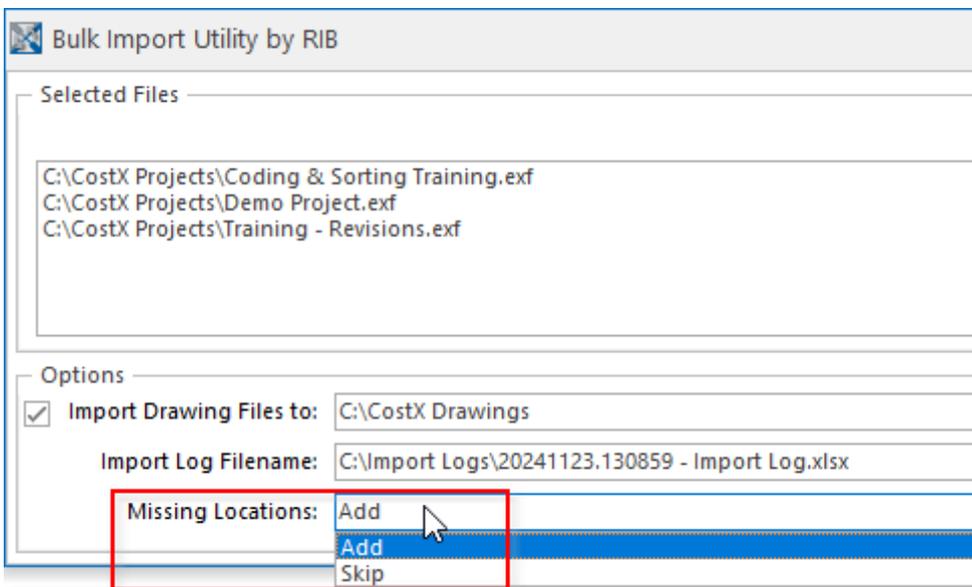
With the new interface, you can now show more columns or hide specific columns, as well as sorting and filtering the reports list using any of the columns. It is also possible to group the list of reports by a specific column - simply drag the column header to the area immediately above the list, and the list will be grouped by that column.

# Improvements and Changes for the Network Configuration

## Enhanced Project Bulk Import Tool

The Network Configuration of CostX comes with a bulk import tool for importing multiple projects simultaneously. In CostX 7.3, this tool has been enhanced to better handle project locations and rate locations.

Previously when using the bulk import tool, if a selected project used a location that did not exist in CostX System Administration, that project would be imported using the <Default Location>. In version 7.3, a new **Missing Locations** field is provided in the import settings dialog, allowing you to specify how you want to handle the projects with a location that does not currently exist in System Administration.



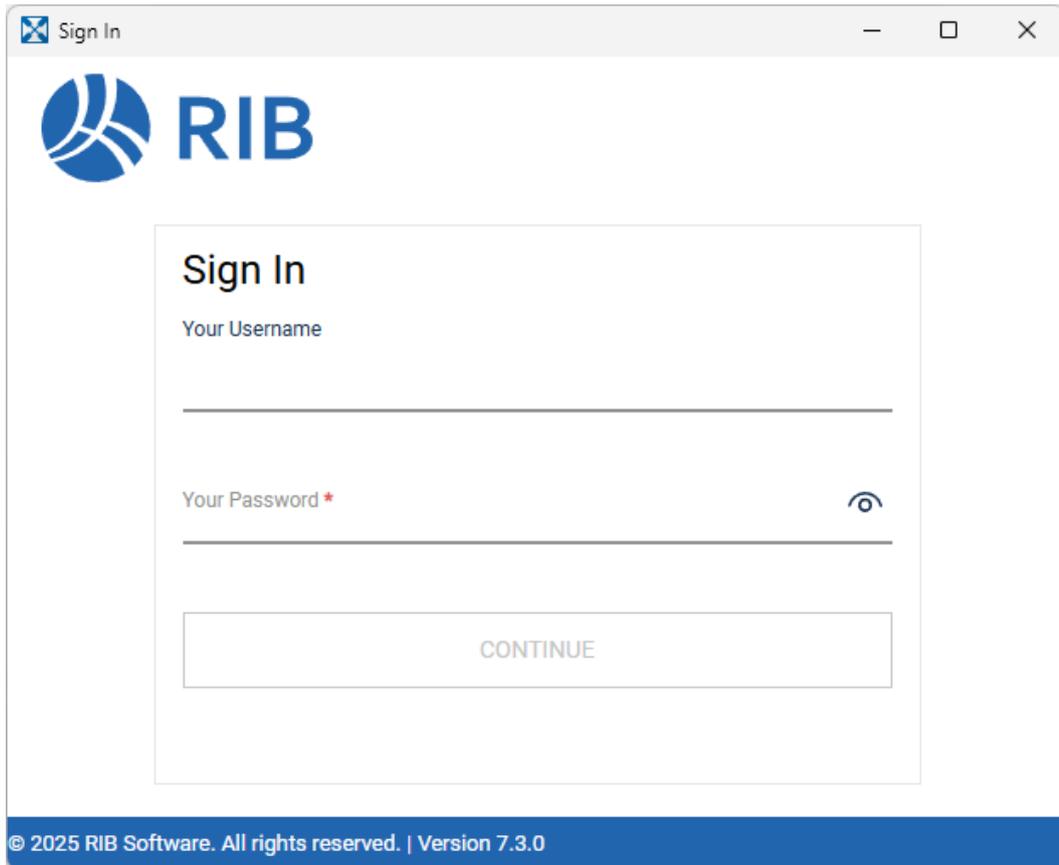
If the projects to be imported contain [Building Rate Libraries](#), the setting of the **Missing Locations** field will also be applied to building rates with a location that does not exist in System Administration.

The **Missing Locations** field provides two options:

- **Add** – If this option is selected, CostX will automatically add the missing project locations and rate locations to System Administration when importing the projects.
- **Skip** – If this option is selected, projects with a location that does not exist in System Administration will be imported using the <Default Location>, whereas building rates with a location that is missing in System Administration will not be imported.

## Updated Sign-in Screen

Previously when users of the Network version tried to sign in to CostX Client, CostX Server Admin or CostXL, they were asked to provide their username first and then enter their password on a second screen. In version 7.3, the sign-in screen has been changed to present the username and password fields in the same view, as shown below. To enhance sign-in security, the same message 'Invalid username or password' will be displayed for an invalid username or password entry. This avoids disclosing which specific credentials is incorrect, thereby limiting the information exposed to potential threats.



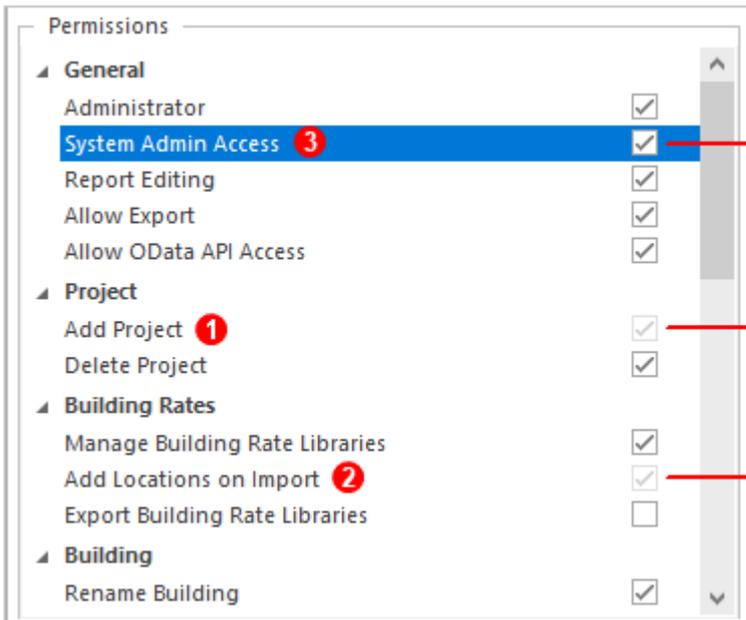
The screenshot shows a web browser window titled "Sign In". The RIB logo is in the top left corner. The main content area contains a "Sign In" form with the following elements:

- A title "Sign In" above the form fields.
- A label "Your Username" above a text input field.
- A label "Your Password \*" above a password input field, with an eye icon to its right for toggling visibility.
- A "CONTINUE" button below the password field.

At the bottom of the window, a blue footer bar contains the text: "© 2025 RIB Software. All rights reserved. | Version 7.3.0"

## User Permissions

In the user permissions list in CostX Server Admin, the **Add Project** permission **1** and the new **Add Locations on Import** permission **2** are now linked to the **System Admin Access** permission **3**. Users with the **System Admin Access** permission will be automatically granted both the **Add Project** and **Add Locations on Import** permissions, and the check boxes for these two permissions will be disabled, as shown below.



The check boxes for the **Add Project** and **Add Locations on Import** permissions will be enabled for users that do not have access to System Admin, allowing CostX system administrators to grant or revoke these permissions for individual users.

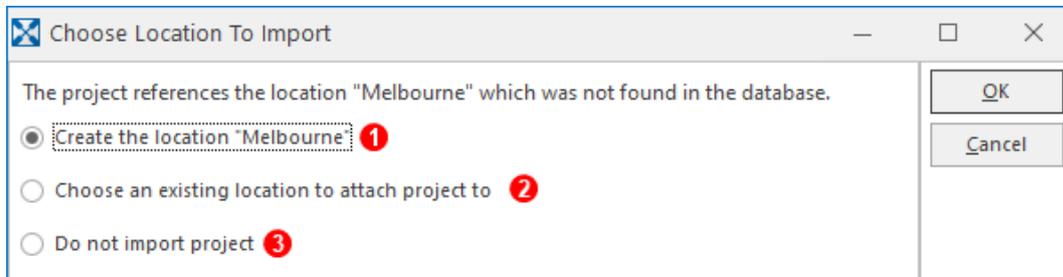
## Other

- RVT files from Revit 2025 are now supported.
- When installing version 7.3, you may encounter a Microsoft Defender SmartScreen warning (as shown below). This warning occurs because the Code Signing Certificate, which is used to ensure the authenticity and integrity of the installer, has been renewed using our new company name "RIB Australia Pty Ltd" instead of the previous "RIB Solutions Limited". SmartScreen uses a reputation-based system to determine if an application can be trusted. The change of company name causes a reset of CostX reputation score, and some time is needed to build up reputation for the new certificate. As a result, you may see a SmartScreen warning while reputation grows for our new certificate.



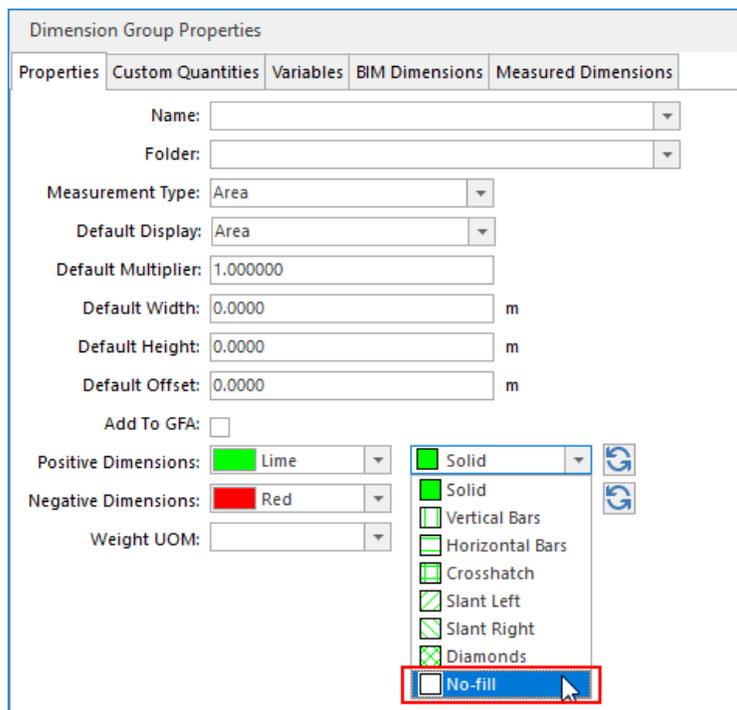
It is safe to run the installer. If you see this warning, click **More info** and use the **Run anyway** option to complete the installation. Alternatively, right-click the installer, select the **Properties** option, and tick the **Unblock** checkbox at the bottom of the **Properties** dialog to unblock the installer.

- Previously when importing a project from EXF, if the project to be imported used a project location that did not exist in CostX System Administration, users were only allowed to choose an existing location to import the project to. In this release, a prompt similar to the following will be provided, giving users the option to have the new location added to System Administration and import the project using its original location.



In the Network Configuration, only users with the **Add Locations on Import** permission will be provided the option to add the new location ①. Without this permission, the user can only import the project using an existing location ② or cancel the import ③.

- In **(Standard) Dimension Group Properties**, the fill options for both positive and negative area dimensions now include a new 'No-fill' option, allowing you to remove the fill colour or fill pattern and display only the outlines of area dimensions on a drawing.



 **NOTE:** This item was released under CostX 7.2 R1.