Release notes 2026

Tekla Structures 2026

March 2026

Contents

1 Tekla Structures 2026 release notes

Welcome to Tekla Structures 2026!

Accuracy in every phase - highlights of Tekla Structures 2026

Tekla Structures 2026 introduces AI and cloud tools, intelligent data workflows, and enhanced support for design deliverables, to boost productivity and keep office and site aligned.

Updated AI Cloud Fabrication drawings service

Accelerate the fabrication drawing creation with AI-assisted template selection and enhanced cloning and associativity. Launched in 2025 as a preview feature for Diamond licenses, this service has been improved based on feedback.

- The new AI model improves template matching from the cloud libraries, while a human-in-the-loop step helps fine-tune the AI suggestions.
- The interface has been updated with a clear template preview and top three AI-based matches. Enhanced cloning ensures reliable placement of annotations, dimensions, and views for consistent drawings.
- Find out more in the full release notes (page 50)

Project Settings Management Console (Preview)

Simplify the management of project settings by enabling easy sharing and customization using cloud environments.

- This new, web-based tool ensures all users have consistent, up-to-date settings throughout the project, preventing errors in the model and promoting smoother collaboration.
- By simply joining a project, all necessary project files and extensions are available for users. Administrators can create custom collections and test them in a sandbox environment before publishing them to all users.
- Find out more in the full release notes

Trimble Assistant for Tekla

Enhance productivity with AI-powered tools.

- The User Assistant provides quick access to information and personalized support.
- Reduce manual effort in creating technical code with the Developer Assistant (Preview).
- Interact with models and drawings intuitively using the experimental Model Assistant and natural language prompts to simplify tasks and stay focused on your designs. Model Assistant reads your model context in real-time and handles the tasks you assign. The feature is available now only in Trimble Labs as an extension for early feedback.

Simultaneous cross-model and general arrangement drawing editing

Enhance the efficiency of preparing plan, section, and elevation drawings by editing both the model and the drawing at the same time.

- Modify model and a general arrangement drawing simultaneously, with both modes displayed side by side.
- Selecting objects in one mode automatically selects the corresponding objects in the other, facilitating easier navigation. Any changes made to objects in the model are immediately reflected in the drawing.
- Find out more in the full release notes (page 62)

Intuitive 2D detailing in drawings

Finalize designs efficiently with enhanced drawing sketching, editing, and annotation tools that are now easier to find and use for creating and editing drawing detailing objects.

- The renewed and reorganized drawing ribbon contains a dedicated tab for sketching tools.
- New review cloud options add flexibility, while the new 2D **Insulation** command adjusts automatically to the model changes, helping you keep drawings up to date with less effort.
- Add formatted project notes using the integrated rich text editor.
- Find out more in the full release notes (page 65)

New clipboard functionality for copying and pasting model and drawing objects

Efficiently reuse model and drawing content with the new clipboard functionality, enabling you to easily copy and paste model objects and drawing objects. Now, each time you copy objects in a model or in a drawing, the objects are always copied to the clipboard, allowing you to later paste model objects into the current model or any other model, or to paste drawing objects

into the current drawing or any other drawing in the same or another model, leading to substantial time-savings.

Find out more in the full release notes (page 13)

New way to manage model views: Model views side pane

Enjoy a modern way to organize and manage the large number of model views in your project. The new side pane makes it easy to manage and navigate all model views flexibly but in a controlled manner, and to create general arrangement drawings of the selected model views.

Find out more in the full release notes (page 19)

Personalized workspace

Customize your in-product workspace appearance.

- Change the model background color (page 27) with one click.
- Position model views and drawings using the new, responsive docking zones (page 25).
- Use the improved model and drawing autosave (page 30) and set it to the interval that suits your needs, and restore the autosaved model and drawing when necessary.

Rebar detailing and drawing rebar annotations

- Gain better control over rebar sets for improved model stability (page 39) and easily annotate reinforcement in drawings to industry standards. Specific rebar sets can be frozen to prevent automatic adjustments and support a modeling approach similar to rebar groups, while retaining the advantages of rebar sets. Freezing rebars could be useful when they are already sent to fabrication to avoid any changes.
- The experience between rebar groups and rebar sets has been unified by adding more controls to rebar set properties. You can split rebar sets using the familiar split command and adjust covers, offsets and other settings consistently.
- Improved rebar drawing annotations (page 81) make it easier to annotate drawings to industry standards.

Re-engineered Bridge creator

Reduce processing time in complex bridge modeling with the re-engineered **Bridge creator**, now a native Tekla Structures plug-in storing data in component objects instead of external files.

- All configuration data is now stored inside component objects, removing reliance on external files and making modifications straightforward.
- Intelligent automation replaces repetitive manual tasks of shape naming.
- New centralized libraries and rule-based logic now handle station creation and definition with less effort.

- Placement of components or beams on curved alignments is now more consistent thanks to chord-based positioning, which is useful when placing straight objects along a curved alignment.
- New layout and verification tools, including off-alignment projection and perpendicular aides, make point placement along the bridge alignment easier.
- Find out more in the full release notes (page 143)

Enhanced IFC interoperability

Share only the information defined in each stakeholder's RFIs when exporting IFC2x3 or IFC4 to reduce follow-up.

- Flexible export options allow selecting and exporting individual objects even within assemblies, with or without assembly information.

  The unified export also supports direct publishing to Trimble Connect.
- Previously fixed IFC entity attributes can now be adjusted, and you can also change the IFC entity type for reinforcement.
- The IFC4.3 export meets the mandatory requirements for both the building and bridge domains.
- Find out more in the full release notes (page 110)

Trimble Connect property sets integrated in Tekla Structures

Operate in real time with accurate, up-to-date property data from the construction site or factory directly in your Tekla Structures model through the integrated Trimble Connect property sets.

Synchronize and manage property sets from Trimble Connect in Tekla Structures and use them, for example, in filters, reports, templates, drawing marks, and IFC exports, similar to regular user-defined attributes or template attributes.

Find out more in the full release notes (page 97)

Upload PDF drawings to Trimble Connect

Upload drawing PDFs to Trimble Connect with metadata, preventing outdated drawings from being used.

- When printing drawings, automatically upload and link PDFs directly to the corresponding parts and assemblies in the Trimble Connect model, storing drawings alongside the model objects.
- Shop and field crews can pull up the latest drawings on a tablet associated with the actual object, ensuring that the most current data is being used.
- Find out more in the full release notes (page 100)

Layout manager - Enhanced workflow efficiency with point deviation management

- Use the out-of-tolerance check in **Layout manager** to identify discrepancies between the design and what has been built, speeding up decisions on how to correct them.
- **Layout manager** now comes with an updated user interface that enables the out-of-tolerance workflow. Automatically identify and colorize out-of-tolerance points, generate delta-value reports, compare as-designed and as-built points and add dimensions between them in a drawing. This turns raw site data into actionable insights and supports timely corrections.
- Find out more in the full release notes (page 119)

Release notes

For all new features and improvements, see

- What's new in modeling in 2026 (page 13)
- What's new in drawings in 2026 (page 50)
- What's new in connected workflows in 2026 (page 97)
- What's new in interoperability tools in 2026 (page 110)
- What's new in components in 2026 (page 125)
- What's new in Template Editor, templates, and reports in 2026 (page 148)
- What's new in template attributes in 2026 (page 159)
- What's new in advanced options in 2026 (page 161)

Preview features in Tekla Structures 2026

Some of the features in Tekla Structures 2026 are released as Preview features.

A Preview feature is ready for production use, but the feature development can continue based on the feedback. The Preview features are primarily intended for evaluation purposes, providing an alternative approach to your usual workflows. We encourage you to test these features in a normal business environment and share your feedback. NOTE: a Preview feature may be enhanced, updated, or discontinued at any time in response to feedback. Preview features are provided “as is” without any Trimble warranty or indemnity.

For details about licenses where the Preview features are enabled, see Preview features in Tekla Structures.

Compatibility

We recommend creating a backup of your model in your current Tekla Structures version before migrating your project to the latest release.

This version is not backwards compatible. When you create or save a model in Tekla Structures 2026, you cannot open it in older versions due to database differences.

See the Tekla Structures hardware recommendations for information on supported operating systems.

Tekla Structures Administrator's release notes

For information on managing Tekla Structures settings for other users or for yourself, see Tekla Structures 2026 administrator's release notes (page 165).

Tekla Structures Localization release notes

For information about new and changed features specific to different localized environments, see Tekla Structures Localization release notes (page 172).

Tekla Open API release notes

For developers who create custom applications and extensions using the Tekla Open API, see the Tekla Open API changes in Tekla Structures Open API release notes in Tekla Developer Center.

Summary of release notes across Tekla Structures versions

The Release notes summary across Tekla Structures versions page provides an overview to the new features and improvements in Tekla Structures versions and service packs for Tekla Structures version 2018 and newer. The summary is available in English only.

List of obsolete advanced options across Tekla Structures versions

The Obsolete advanced options page provides information about the advanced options that have become obsolete in Tekla Structures in version 2018 and newer.

2 What's new in modeling in Tekla Structures 2026

- New clipboard for copying and pasting model and drawing objects
- New way to manage model views: Model views side pane
- Position and arrange model views and drawings in the Tekla Structures window
- Easy way to set the model background color
- Enhanced model and drawing autosave
- Bind parts to grid levels
- New tool for checking the model for solid errors
- Tekla Launcher - from Preview to an official feature
- New Freeze rebar sets command and other updates in reinforcement features
- Miscellaneous modeling improvements

2.1 New clipboard for copying and pasting model and drawing objects

In Tekla Structures 2026, you can efficiently reuse model and drawing content with the new clipboard functionality, enabling you to easily copy and paste model objects and drawing objects. Now, each time you copy objects in a model or in a drawing, the objects are always copied to the clipboard. This allows you to later paste model objects into the current model or any other model, or to paste drawing objects into the current drawing or any other drawing in the same or another model, leading to substantial time savings on repetitive tasks.

Copying model objects using the clipboard

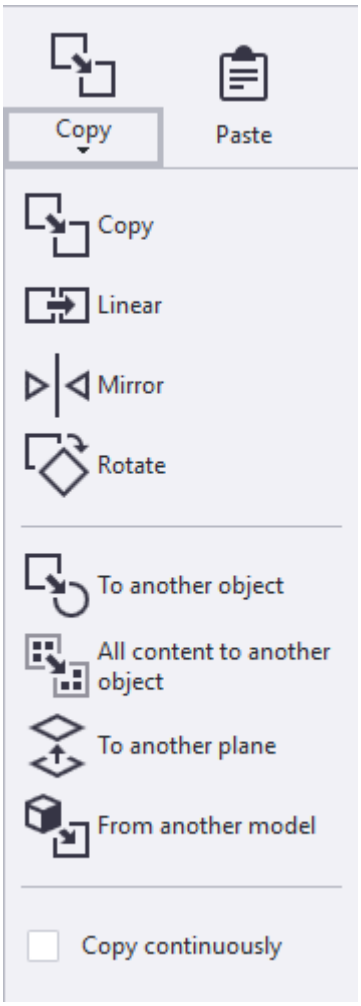
Model objects are copied to the clipboard when the following commands are used on the **Edit** tab:

- **Copy**
- **Copy** --> **To another object**
- **Copy** --> **To another plane**
- **Copy** --> **All content to another object**

On the **Edit** tab, use the **Copy** --> **Copy continuously** switch and the **Paste** command in conjunction with the above copying commands to copy and paste model objects.

Note that previously, if you wanted to copy model objects from another model, you had to use the **From another model** copying command with **Phase Manager**. Now you can simply select the objects in the source model, copy them to the clipboard, and then paste them into the current or any other model.

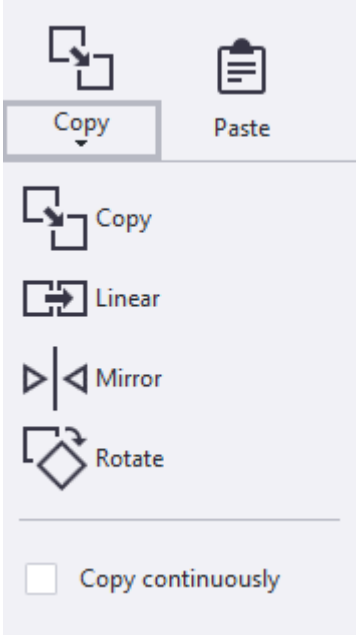
Additionally, you can now copy custom components without the need to export them. Use the **Copy** --> **To another object** command to copy custom components from one model to another.



Copying drawing objects using the clipboard

Drawing objects are copied to the clipboard when you use the **Copy** command on the **Drawing** tab.

On the **Drawing** tab, use the **Copy** --> **Copy continuously** switch and the **Paste** command in conjunction with the **Copy** command to copy and paste drawing objects.



Controlling clipboard copying

- When the **Copy continuously** checkbox is selected, the selected objects are copied to the clipboard, and the copy command remains active. You can insert the copied objects repeatedly into the model, or into the drawing, or use the **Paste** command to insert the copied objects from the clipboard.
- When the **Copy continuously** checkbox is cleared, the selected objects are copied to the clipboard and the copy command is interrupted. Use the **Paste** command to insert the copied objects into the same model or into another model, or into the current drawing or any other drawing in the same or another model.

The last copied objects always remain on the clipboard, and you can later use the **Paste** command to insert the objects from the clipboard.

Keyboard shortcuts

Use the keyboard shortcuts **Ctrl+C** and **Ctrl+V** for quick copying and pasting from the clipboard.

Notes and limitations

- The model and drawing objects that you want to copy using the clipboard to another model have to be saved in the source model before starting the **Copy** command.
- If the source model objects or drawing objects that have been copied to the clipboard are modified in the model or in the drawing, the changes will also be updated in the clipboard. Therefore, when you start the **Paste** command, you will not get the object you copied originally, but the latest version of the object.

- Clipboard is not supported for the following commands:
  - **Copy** --> **Linear**
  - **Copy** --> **Rotate**
  - **Copy** --> **Mirror**
- Copying to and pasting from the clipboard only work with specific drawing object types. The supported objects are:
  - 2D library details
  - lines
  - polylines
  - rectangles
  - polygons
  - circles
  - arcs
  - insulations
  - clouds
  - symbols
  - texts
  - embedded text files
  - embedded DWG and DXF files
  - embedded images
  - revision marks
  - section marks
  - detail marks
  - weld marks
- You cannot use clipboard copying for the following drawing objects:
  - associative annotations: associative notes, part marks, bolt marks, rebar marks, and so on
  - level marks
  - drawing views
  - templates
  - drawing layouts
- Copying of symbols and embedded images, DWGs/DXFs, and text files in drawings: Currently, Tekla Structures attempts to copy a file into a destination folder only if it is originally located in the model folder. If the file is located in any other folder, including shared environment or firm/

project folders, it will not be copied. Objects located in shared folders are intended to be shared, not copied.

- When copying sketch objects between drawing views and drawings, consider the XS_SCALE_COPIED_OR_MOVED_OBJECTS_IN_DRAWINGS advanced option. This advanced option automatically adjusts the dimensions of sketch objects to match the scale of the target view.

TTSD-72476

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update ribbons for clipboard for copying and pasting model and drawing objects

If you have customized the ribbons, update your customized ribbon for changes to the copy commands.

1. On the **Edit** tab of the modeling ribbon, add a new drop-down for the **Copy** commands:
   - **Add ribbon item**: **Split button**
   - **Command**: `Edit.Copy`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Full text**
2. Move the existing **Copy** button to be the first item below the new **Copy** drop-down.
3. Move these existing buttons from the **Copy special** drop-down below the **Copy** button:
   - **Linear**
   - **Mirror**
   - **Rotate**
4. Add a horizontal separator below the **Rotate** button:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Horizontal**
5. Move these existing buttons from the **Copy special** drop-down below the separator:
   - **To another object**
   - **All content to another object**
   - **To another plane**

- **From another model**

6. Delete the empty **Copy special** drop-down.
7. Add a horizontal separator below the **From another model** button:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Horizontal**
8. Below the separator, add the new **Copy continuously** checkbox.
   - **Add ribbon item**: **Check button**
   - **Command**: `Edit.Copy.ToggleRepeatPaste`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Short text**
9. On the **Drawing** tab of the drawing ribbon, add a horizontal separator below the existing **Mirror** command:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Horizontal**
10. Below the separator, add the new **Copy continuously** checkbox.
    - **Add ribbon item**: **Check button**
    - **Command**: `Edit.Copy.ToggleRepeatPaste`
    - **Appearance**: **Command: Scalable icon**
    - **Text**: **Command: Short text**
11. Save the changes.

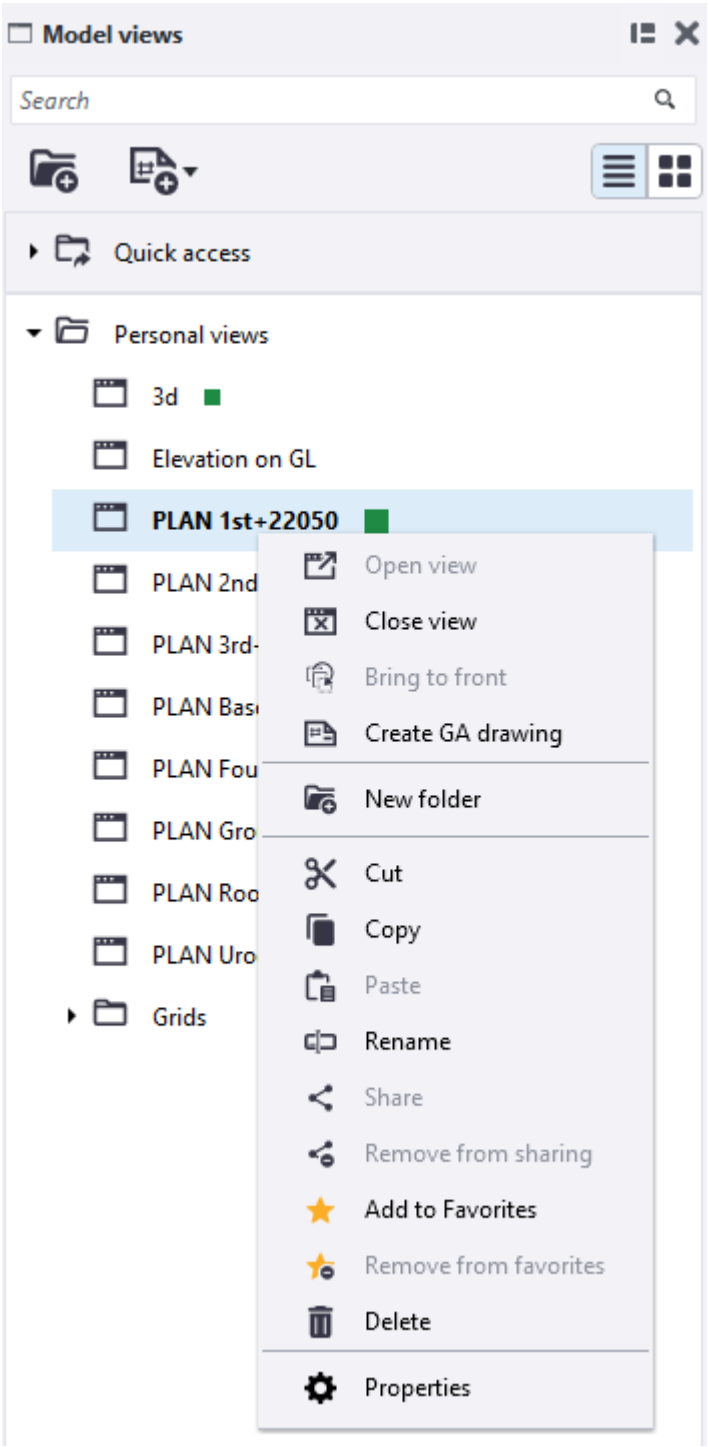
    The new ribbon configuration file is saved to `..\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
12. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

2.2 New way to manage model views: Model views side pane

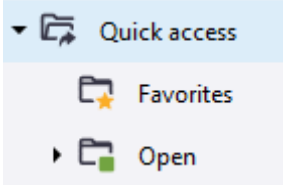
In Tekla Structures 2026, you can quickly organize and manage a large number of model views in the **Model views** side pane window. The new side pane makes it easy to manage and navigate all model views flexibly but in a controlled manner, and to create general arrangement drawings of the selected model views.

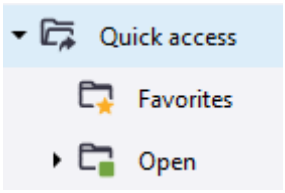
The new **Model views** side pane window replaces the previously used **Views** dialog.

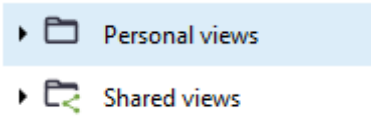
If the **Model views** window is not open, click the  button in the side pane. The **Model views** side pane window opens on the left side of the screen and lists all the views of that model. You can organize the model views in separate folders, preview the views without opening them, and, if the model has been shared with Tekla Model Sharing, check which views have been shared and which are your personal views.



You can, for example, work with the following way in the new **Model views** side pane window.

To	Do this
Open or close the selected view Open or close all views in a folder	• Right-click a view and select **Open view** or **Close view**. • Right-click a folder or select **Open all views in folder** or **Close all views in folder**. You can have up to nine views open at the same time. To open multiple views, use the **Shift** and **Ctrl** keys when you select views.
Rename a view Delete a view	• Right-click a view and select **Rename**. • Right-click a view and select **Delete**.
Use the indicators to quickly check the status of the view	•  the view is the currently active view. •  the view is currently open. •  the view is a temporary view. Rename the view to make it a permanent view. Temporary views have a default name in parentheses. •  the view is shared in Tekla Model Sharing.
Bring a selected view to the front on top of the views	Right-click a view and select **Bring to front**. Alternatively, double-click a view in the side pane to bring it to the front as the topmost of all visible views.
Switch between the list view and the thumbnail view	Click  to switch between the list view and the thumbnail view. The thumbnail view shows a preview of each view. Thumbnail is visible only if you have opened the view. If a view has never been opened, it does not have a thumbnail.
Open the **Quick access** folder	The **Quick access** folder displays all open and temporary views, and those views that you have marked as favorites. 

To	Do this
Add a view to favorites	Right-click a view and select **Add to Favorites**. The view is then added to the **Favorites** folder under **Quick access**. 
Use the **Search** box	Use the **Search** box to find specific views.
Create a new folder	Right-click and select **New folder** to create your own folders where you can organize your views. You can also have subfolders. Alternatively, create a new folder by clicking  .
Move a view to another folder	Drag the selected view to a suitable folder. Alternatively, right-click a view and select **Cut**. Go to another folder, right-click, and select **Paste**.
Copy a view to another folder	Right-click a view and select **Copy**. Go to another folder, right-click, and select **Paste**.
Open view properties	Right-click a view and select **Properties**. The **View properties** dialog opens.
Create drawings	• If you have selected one view and want to create a general arrangement drawing of the selected view, select **Create GA drawing**. • If you have selected several views and want to create general arrangement drawings for each selected view, select **Create GA drawing for each selected view**. • If you have selected several views and want to create a general arrangement drawing that includes all the views, select **Create GA drawing containing selected views**. Alternatively, create an empty drawing, or define the drawing properties by clicking  . To open the created drawing, click the **Drawing created. Click here to open the drawing.** button.

To	Do this
If the model has been shared using Tekla Model Sharing	Personal views and shared views are organized in separate folders.  Views in the **Personal views** folder are not shared, whereas the views in the **Shared views** are shared with other Tekla Model Sharing users. • To share a view with Tekla Model Sharing, right-click a view and select **Share**. If you select multiple views, you can share all of them at once. Alternatively, drag the selected views to the **Shared views** folder. • To remove a view from being shared, right-click a shared view and select **Remove from sharing**. Alternatively, drag the selected views to the **Personal views** folder. Note that the **Share** option is available only if the model has been shared using Tekla Model Sharing. Shared views are moved to the **Shared views** folder, marked as shared  , and shared the next time when the model is written out to the sharing service. The folder structure of the **Shared views** folder is shared as well.

TTSD-69570

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update ribbons for changes to model views

If you have customized the ribbons, update your customized ribbon to replace the previous **View list** button with a new **Model views** button.

1. On the **View** tab of the modeling ribbon, add the new **Model views** button.
   - **Add ribbon item**: **Simple button**
   - **Command**: `Views.ModelViews`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Short text**
2. Remove the previous **View list** button.
3. On the **Views** tab of the drawing ribbon, add the new **Model views** button to the **Model views** drop-down.
   - **Add ribbon item**: **Simple button**
   - **Command**: `Views.ModelViews`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Short text**
4. Remove the previous **Model view list** button.
5. Save the changes.

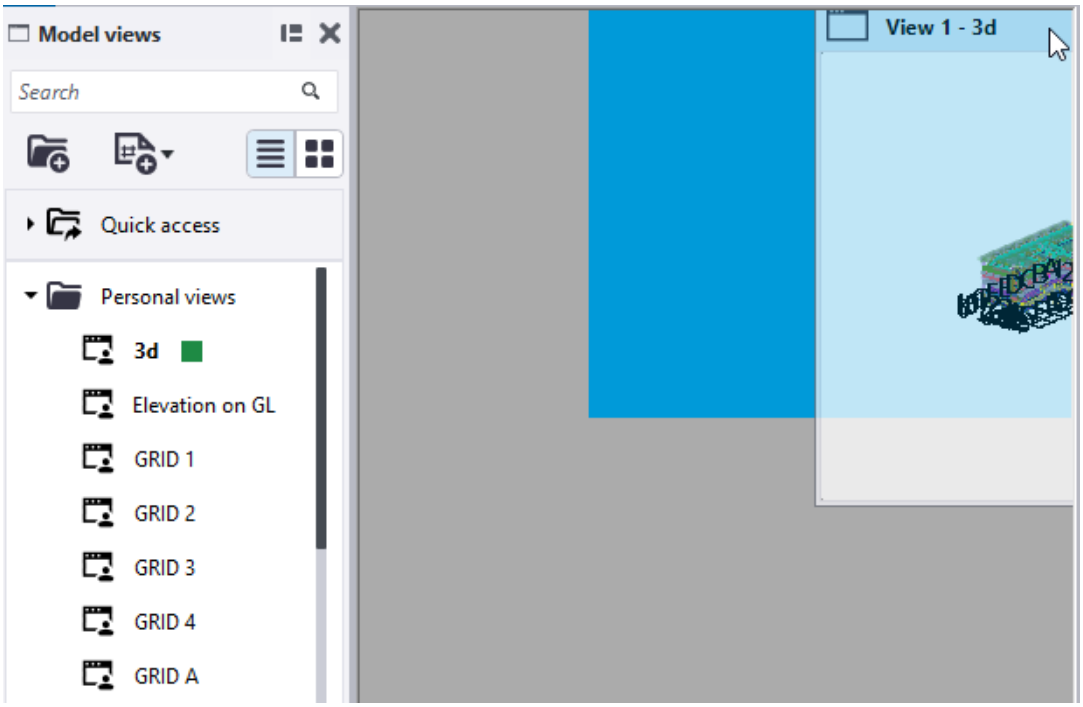
   The new ribbon configuration file is saved to `C:\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
6. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

2.3 Position and arrange model views and drawings in the Tekla Structures window

Model views and drawings can now be easily positioned and arranged around the Tekla Structures window using different docking zones. Previously, the model views and drawings had to be manually resized and positioned to a suitable layout, which was inefficient and time consuming. Now the docked model views and docked drawings react to each other, resizing and adjusting to maintain a clean and organized layout.

To dock a model view or a drawing, drag the model view or drawing by its title bar close to the Tekla Structures window edge in the direction where you want to dock it. As you drag and move closer to the window edge, blue highlighting shows where you can dock the model view or the drawing. There are altogether nine predefined docking zones around the Tekla Structures window. Note that you can only dock the model views or drawings to the

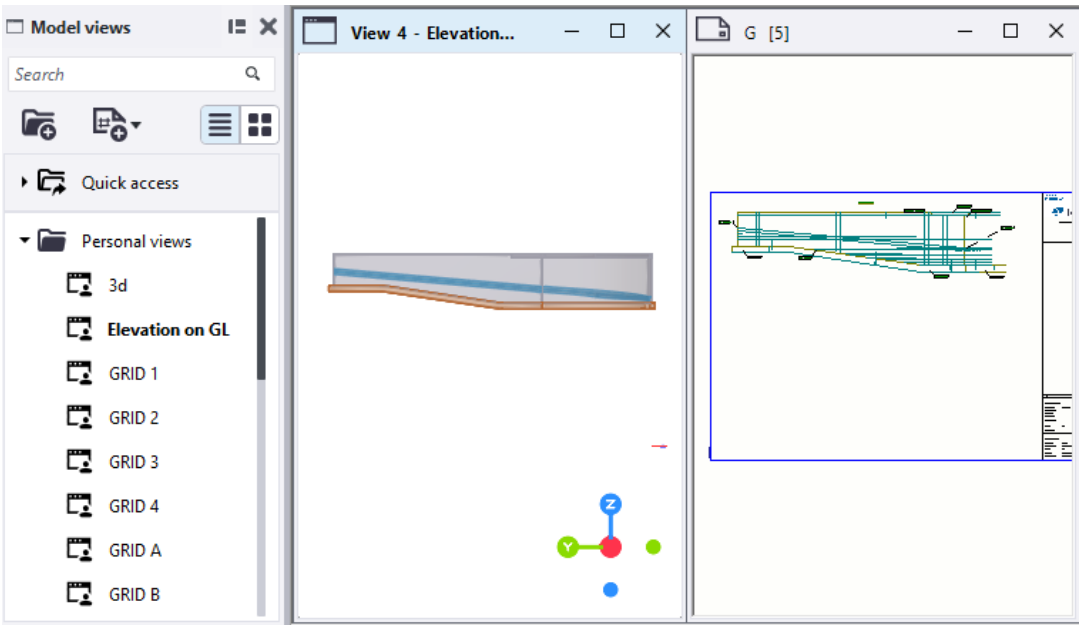
predefined docking zones; the model views or drawings do not dynamically identify empty areas.



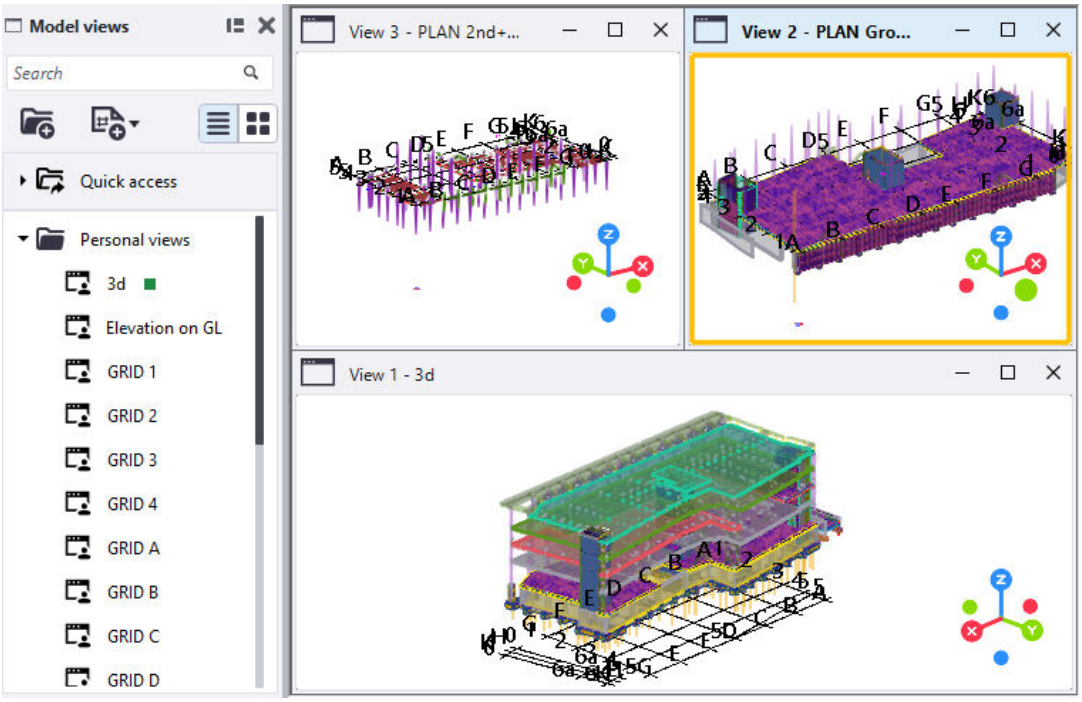
These docked positions for model views and drawings are saved and restored the next time you open the model.

Model views and drawings automatically resize and reposition themselves to fit the screen and avoid overlapping with each other or any open side pane windows. The dynamic adjustment ensures that when you stretch one view, the others are automatically resized and adjusted, even if the whole Tekla Structures window is resized.

If you undock a model view or drawing, it reverts to its original size and position.



The model view you are working on is highlighted to ensure that you are working in the correct view.

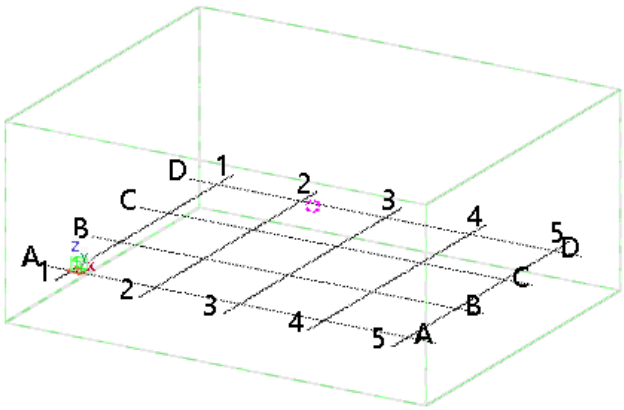
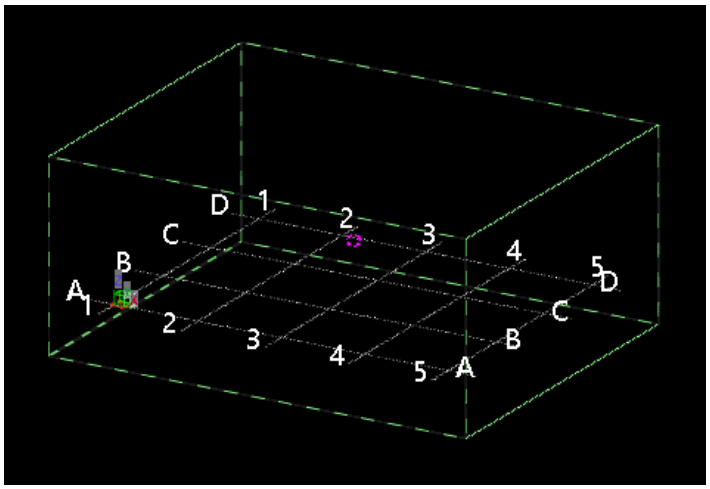


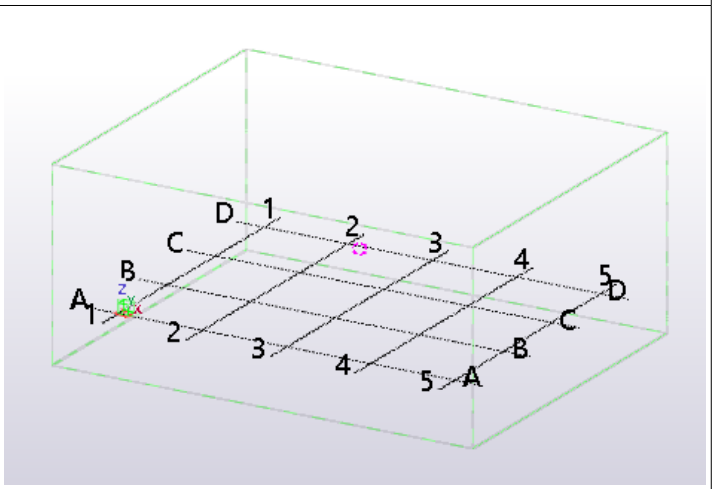
TTSD-70671

2.4 Easy way to set the model background color

In Tekla Structures 2026, you can quickly change the model background color to customize your workspace appearance.

On the **View** tab, click **Color theme** and select one of the options:

Option	Example
For white background in all model views: **Light**	 The grid color is adjusted according to the background color. Grid line labels are set to black.
For black background in all model views: **Dark**	 The grid color is adjusted according to the background color. Grid line labels are set to white.

Option	Example
For the default gradient background in all model views: **Tekla default**	 The grid color is adjusted according to the background color. Grid line labels are set to black.
For your own background color in all open model views: **Advanced**	This opens the **Advanced options** dialog, where you can set your own background color by using RGB values on a scale from 0.0 to 1.0

Note that changing the color theme affects only the model background color, not the colors in the user interface.

TTSD-69544

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update the ribbon for background color

If you have customized the ribbon, update your customized ribbon to add a new button group for **Color theme** and buttons for the background color options.

1. On the **View** tab, add a drop-down button for the **Color theme** button group:
   - **Add ribbon item**: **Drop-down button**
   - **Icon**: resource:Brush.CommandGallery.Views.BackgroundLight
   - **Text**: translation:Commands.Views.ColorTheme

2. Under the **Color theme** drop-down, add buttons for the **Light**, **Dark**, and **Tekla default** color themes:
   - **Add ribbon item**: **Simple button**
   - **Command**: `Views.BackgroundLight`, `Views.BackgroundDark`, and `Views.BackgroundDefault`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Full text**
3. Add a horizontal separator below the color theme buttons:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Horizontal**
4. Below the separator, add the new **Advanced** button:
   - **Add ribbon item**: **Simple button**
   - **Command**: `Views.BackgroundAdvanced`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Full text**
5. Save the changes.

   The new ribbon configuration file is saved to `..\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
6. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

2.5 Enhanced model and drawing autosave

The autosave functionality for drawings has been significantly enhanced to minimize work loss during editing in Tekla Structures 2026. Drawings are now automatically saved at defined intervals. When you open an autosaved model, you now receive more information about the model and the autosaved drawing, and you are able to restore your model and drawing.

Minimize loss of drawing editing work with drawing autosave

Editing drawings, especially general arrangement drawings, may take some time. To ensure that the editing work is not lost when an application error occurs, the drawing autosave was improved. Now the autosave for drawings is

also triggered automatically at an interval defined in the **Options** dialog on the **General** page.

Previously, autosaving was done automatically for the model only, either at defined intervals or after you had created a defined number of drawings. Autosaving after creating a certain number of drawings is still available as a safety measure.

TTSD-72435, TTSD-73273, TTSD-72508

How model and drawing autosave works

During autosave, the model is saved in the model `\autosave` folder as before, for example, in `C:\TeklaStructuresModels\autosave\House`. The drawing is saved in the model autosave folder in the `\drawings` subfolder, for example, `C:\TeklaStructuresModels\autosave\House\drawings`.

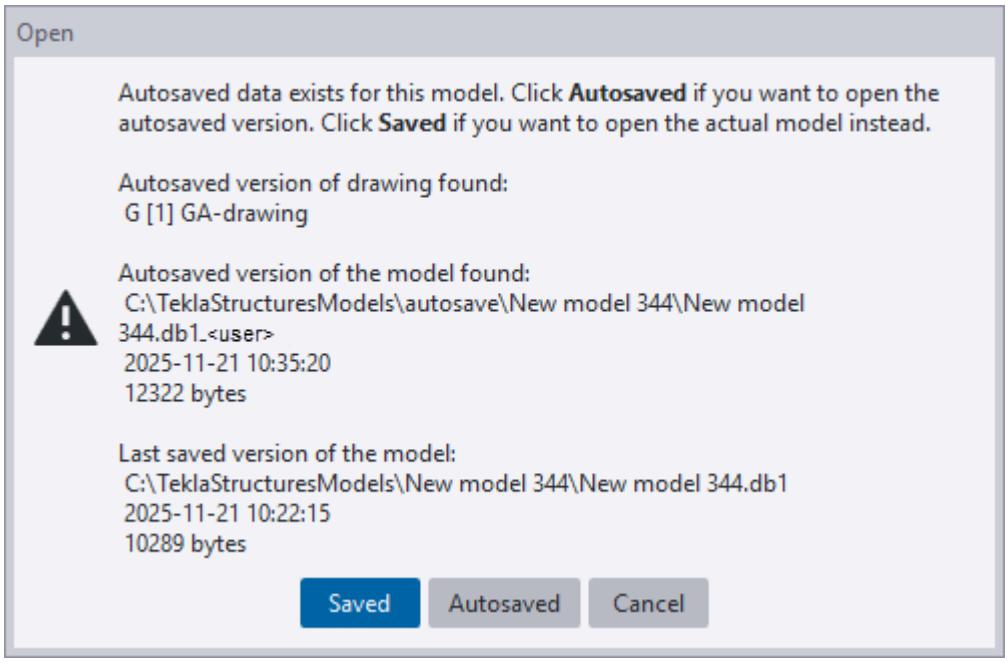
There will always be at least one model autosave when a drawing is autosaved. Subsequent drawing autosaves will not trigger a model autosave unless there are model modifications.

When you close a drawing normally (with or without saving), the drawing autosave file is deleted. Additionally, when you save a model, both model and drawing autosaves are deleted. This ensures that there is only one autosaved drawing at a time. When you close the model, model autosaves are deleted unless the advanced option XS_KEEP_AUTOSAVE_FILES_ON_EXIT_WHEN_NOT_SAVING is set to `TRUE`.

Restoring autosaved model and drawing

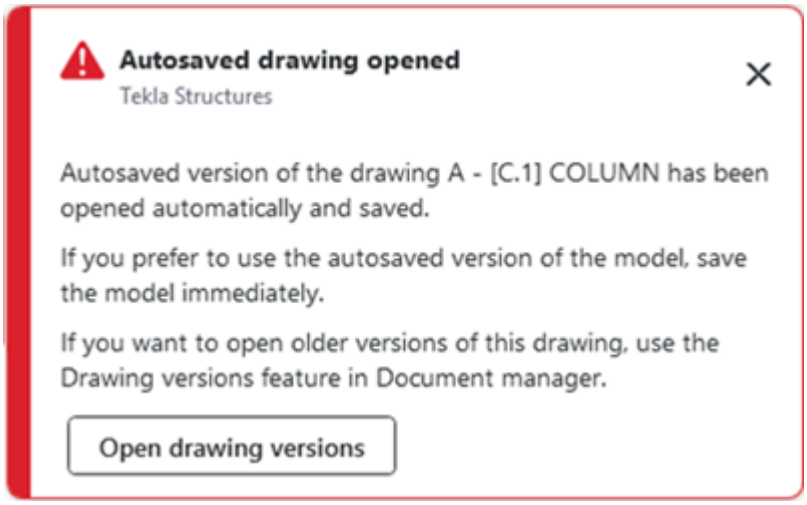
When a Tekla Structures application error occurs, opening the active model prompts you to open either the manually or automatically saved model version, as before. The dialog has been improved to include the following information:

- The name of the autosaved drawing, if any
- The path to the autosaved version of the model and the autosaving time
- The path to the last manually saved version of the model and the saving time



If you select **Autosaved** to restore the autosaved version of the model, and there is an autosaved drawing, Tekla Structures opens the autosaved model and the drawing automatically.

When you open the drawing, a notification appears indicating that the autosaved drawing has been opened and saved. Check the drawing and choose if you want to keep or discard that version. If you do not want to restore the autosaved drawing, you can open the **Drawing versions** feature and select a previous version and save that instead. If you want to keep it, you should save both the drawing and the model as soon as possible.



You can access manually saved drawing versions using the **Drawing versions** feature in **Document manager**. You are required to exit the autosaved drawing with a save, which adds the autosaved drawing as a new version. Then you can switch between all existing drawing versions freely.

2.6 Bind parts to grid levels

You can now bind steel and concrete parts to various z-direction elevations that are taken from the project grids. During the early conceptual phase, frequent changes in part levels along the z-direction can be time-consuming to adjust manually. By linking parts directly to defined grid elevations, manual work and errors are minimized and the accuracy in the modeling process is improved. If there are any changes in the part levels in the z-direction, all bound parts update to match the new z-direction elevation. This ensures that any changes to grid levels or story elevations, if you are using building hierarchy, automatically reposition the bound parts.

For example, if the z-coordinate increases by 1 meter, the height of the bound object is automatically adjusted by the same amount. Bindings can be further refined with positive or negative offset values that correspond to the bound levels. Additionally, you have the flexibility to adjust, add, remove, or rename levels as needed. To find the bound parts in a model, you can create a filter or a report, and once the bindings are not needed anymore, you can unbind all bound parts at once.

Parts are bound to grid levels in the following ways:

Part	How the part is bound
Columns and walls	Bind to grid levels from the top and bottom part face.
Beams and polybeams	Bind to grid levels from the start and end points of the part. Note: When start and end points of a polybeam are bound, any intermediate points scale proportionally to maintain the relative geometry of the polybeam.
Slabs, footings, and plates	Bind to a single level from the top face only.

To bind parts to grid levels:

1. Start by ensuring your grids are suitably named.

   This will help you to identify different grids and make it easier to select the correct level for a part in question.

   a. In the grid properties, go to the **Name** property to name the grid.

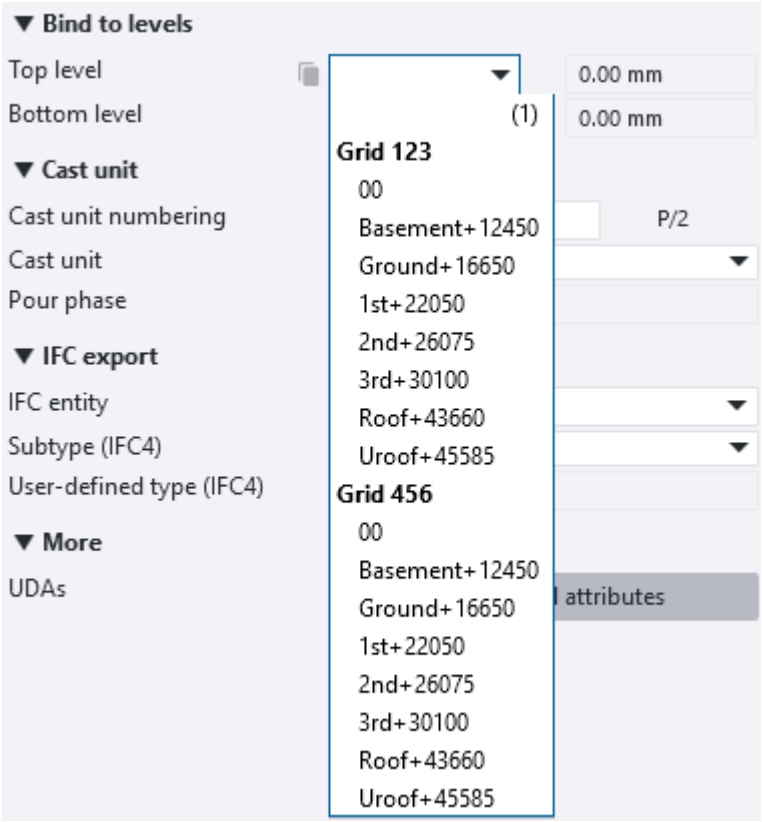
      When a new grid is created, the grids get automatically named to GRID, GRID 1, and so on.

   b. Change the current grid name if needed.

2. Bind a part to a selected grid level.

   a. Select a part in the model that you want to bind to a grid level.

b. In the properties of the selected part, go to the **Bind to levels** property.



c. Select the grid level to which you want to bind the selected part.

   You can bind the selected part fully or partially. If you bind the part only partially, leave the other end unbound. This allows you to manually set the position value for that end.

   - For a column or wall, you can bind either the top or bottom part face using the **Top level** and **Bottom level** options.
   - For a beam or polybeam, you can bind either the start or end point using the **Start level** and **End level** options.

     For polybeams:

     - If you enter only one point, the second point will either stay unbound if left empty, or be set based on the picked point's coordinate.
     - When the polybeam start and end points are bound, any intermediate points scale proportionally to maintain the relative geometry of the polybeam.
     - When you have a flat polybeam, where the start and end level are the same, the polybeam stays flat even when the levels change, and all the intermediate points move together by the same amount.

- For a plate, a slab, or a footing, you can only bind the top face to a single level using the **Level** option.

d. If needed, you can enter a positive or negative offset value to refine the position of the bound end relative to the level.

e. Click **Modify** to set the binding.

If you resize or reshape the bound parts

If you later use direct modification to modify the part, the part will not be unbound from its level. Instead, changes made using direct modification or changing the part profile adjust the offset value relative to the bound level.

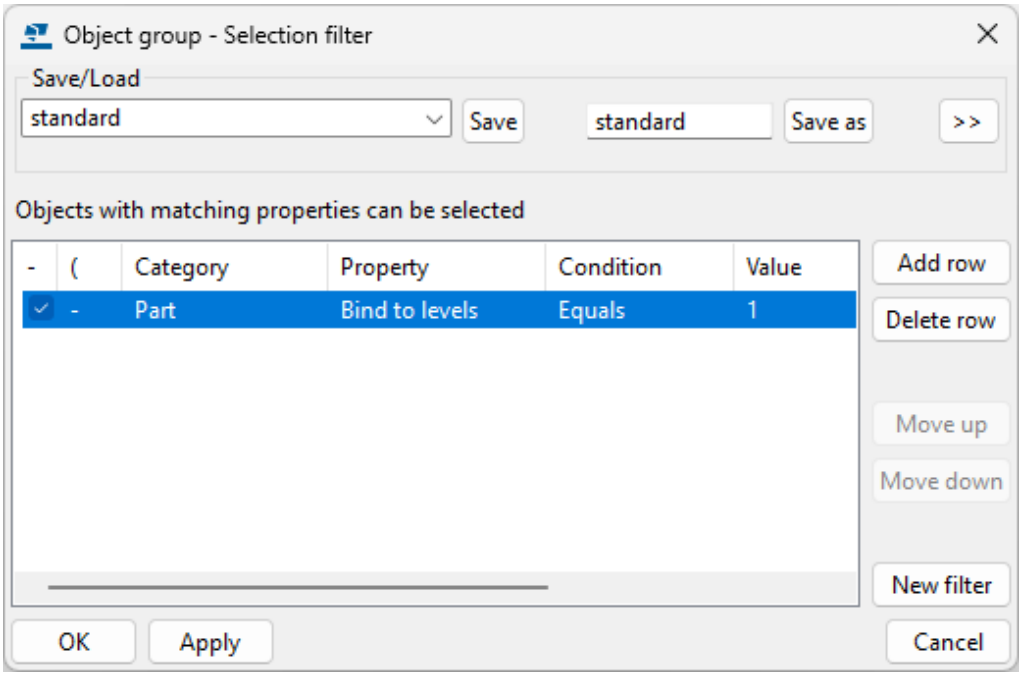
If you copy or move the bound parts

- If you move a part and its new z-coordinates align with the z-level grid, its top and bottom levels are updated to these new z-levels. This only works if the new level difference matches the original difference.
- If only one end of the part, either top or bottom, aligns with the new z-level, that end connects to the new level and the other end is unbound.
- If the part is positioned between levels and the new level difference does not match the original, the part loses its binding and returns to its original position.
- If the part moves to a position without any z-level match, the part loses its binding and returns to its default position.

  Note that building hierarchy works the same way when you change a building story's height.

3. Once the objects are bound to levels, you can use the new `BIND_TO_LEVELS` template attribute in reports to report on all bound objects in your model.

   To filter parts based on whether or not they are bound to levels, in the **Object group - Selection filter**, use the new property **Bind to levels** in the **Part** category.



4. When you do not need the bindings anymore, you can remove the bindings. Select an empty value in the list of levels in the property pane, or click **Edit** --> **Parametric modeling** and select **Unbind all** or **Unbind selected objects from levels**.

TTSD-69544

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update the ribbon for unbind objects from levels

If you have customized the ribbon, update your customized ribbon to add buttons for **Unbind all** and **Unbind selected objects from levels** commands.

1. On the **Edit** tab, under **Parametric modeling**, add the new **Unbind all** and **Unbind selected objects from levels** buttons.
   - **Add ribbon item**: **Simple button**
   - **Command**: `Modeling.UnbindAllObjects` and `Modeling UnbindSelectedObjects`.
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Full text**

2. Save the changes.

   The new ribbon configuration file is saved to `..\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.

3. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

Update the property pane for bind objects to levels

If you have customized the property pane, update your customized property pane to add a new property group **Bind to levels** and a new property **Name**.

Add the **Bind to levels** property group to the property pane layout for the following model objects:

- `ConcreteSlab`
- `ConcreteColumn`
- `ConcreteBeam`
- `ConcretePanel`
- `PadFooting`
- `StripFooting`
- `SteelColumn`
- `SteelBeam`
- `ContourPlate`

Add the **Name** property to the property pane layout for the following objects:

- `RectangularGrid`
- `RadialGrid`

1. In the `PropertyTemplates.xml` file, add a new property group for **Bind to levels** below the **Position** property group for each above mentioned object type. Add the following:

```
<PropertyGroup Name="BindToLevels"
Label="translation:albl_Bind_to_levels"
Tooltip="translation:albl_Bind_to_levels">
      <Property Name="Property.BindToLevel"/>
</PropertyGroup>
```

2. In the `PropertyTemplates.xml` file, add the **Name** property above the **UDAs** property for each above mentioned object. Add the following:

```
<Property Name="Property.Grid.Name" />
```

2.7 New tool for checking the model for solid errors

When working with Tekla Structures, you may encounter errors in solid objects in the model. You can now use the new **Solid checker** tool to check the model for solid errors.

For example, when working with cast-in-place concrete parts, you should inspect the resulting pour objects regularly before starting the detailing process and before creating drawings and reports. Errors in solid pour objects can result in incorrect volumes, for example.

To start the **Solid checker**, go to the **File** menu, and click **Diagnose & repair** --> **Check solids**. In the **Solid checker** dialog, click the **Check solids** button to generate a list of solid errors. Then you can select errors on the list to highlight the related objects in the model and to zoom in on them. You can also click **Ignore error** on an error row to hide the error from the list. After working on the errors in the model, click **Check solids** again to see how the situation has changed.

TTSD-71960

2.8 Tekla Launcher - from Preview to an official feature

Tekla Launcher was introduced as a preview feature in Tekla Structures 2025. Now in Tekla Structures 2026, Tekla Launcher has transitioned to an official feature.

Tekla Launcher remains an alternative method to start Tekla Structures and to open and create models.

In Tekla Structures 2026, in addition to having the official feature status, Tekla Launcher has undergone other major improvements.

- **Tekla Launcher is a standalone app**

  Tekla Launcher is now a standalone app, allowing you to open models with the relevant Tekla Structures version based on the model information. The standalone Tekla Launcher will be the starting point for all Tekla Structures versions.

- **Model creation using all installed Tekla Structures versions**

  The updated Tekla Launcher allows the creation of models with all installed versions of Tekla Structures, although there are some limitations with older Tekla Structures versions. Older versions of Tekla Structures might not be able to fully process some of the new features.

- **Tekla Launcher supports project settings that have been created in the Project Settings Management Console**

  The updated Tekla Launcher supports project settings and company collections that have been created in the Project Settings Management

Console, which is a web-based tool that lets you manage your project settings, environments, and other project files in the cloud.

Once you have created your settings in the Project Settings Management Console, Tekla Launcher automatically pulls the published settings from the cloud, and you can create new models where everyone uses the exact same project settings.

Project Settings Management Console is a preview feature, and all the features supporting Project Settings Management Console have the preview status in Tekla Launcher.

- **Tekla Launcher compatibility**

  Tekla Structures maintained versions can use project settings created in the Project Settings Management Console, but with some limitations.

TTSD-71341

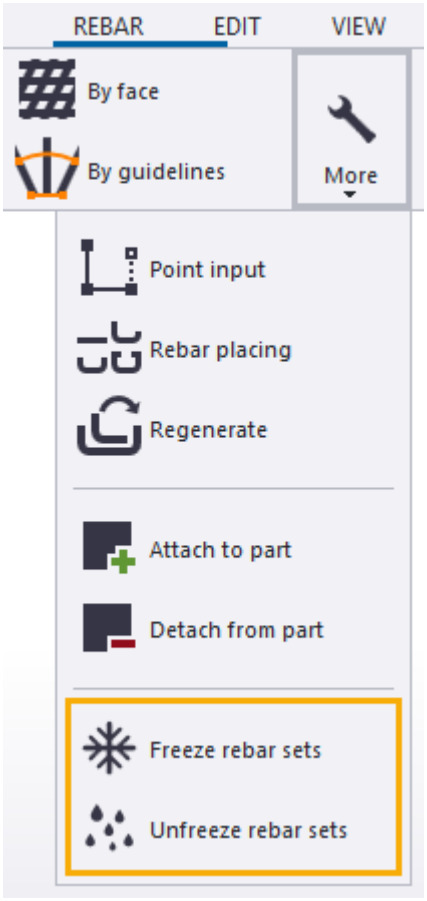
2.9 New Freeze rebar sets command and other updates in reinforcement features

Tekla Structures 2026 introduces new commands and settings that you can use to prevent automatic adjustments and unwanted changes in rebar sets that have already been detailed or fabricated. Now you can also split rebar sets the same way as rebar groups. Bar layer offsets of rebar sets and labels for rebar objects can be shown in model views.

Freeze and unfreeze rebar sets

You can now freeze rebar sets so that they do not change when the surrounding model is modified. This is useful, for example, when the bars have already been fabricated.

The new **Freeze rebar sets** and **Unfreeze rebar sets** commands are available on the **Rebar** ribbon tab, under **More**:



Alternatively, when you select rebar sets in the model, and right-click, you can use the **Freeze/Unfreeze** command from the context menu, and then select **Freeze** or **Unfreeze**.

In model views, frozen rebar sets, leg faces, and leg surfaces are indicated with a snowflake symbol next to the bar layer number when you select rebar sets and when the leg faces are visible.

When frozen rebar sets are selected, the number of frozen rebar sets is shown in the property pane header. For example: **Rebar set (3 selected, 1 locked, 1 frozen)**

You can also use the `IS_FROZEN` template attribute in reports to check if a rebar set is frozen or not, or to filter frozen rebar sets, for example. The attribute shows 0 if the rebar set is not frozen, 1 if the rebar set is frozen, and 2 if the rebar set is partially frozen, meaning that some of its leg faces are frozen and some are not.

TTSD-70398, TTSD-73525, TTSD-71662, TTSD-73534, TTSD-70352

New bar placement and layering settings for rebar sets

There is a new **Bar placement** section in the rebar set property pane with the following settings:

- **Automatic layering**

  This setting is also available in the **Bar leg placement** section in the leg face and leg surface properties.

  When a rebar set, leg face, or leg surface is frozen, **Automatic layering** is off.

- **Layer number** has been moved from the **Special** section to this new section.

  When a rebar set, leg face, or leg surface is frozen, **Layer number** is not available, but may change unless you lock the rebar set.

- **Offsets**

  When a rebar set is frozen, the **At depth**, **Start**, and **End** offsets are available.

- **Adaptivity**

  When you freeze a rebar set, **Adaptivity** is set to **Off**, but you can manually select another option.

TTSD-71781, TTSD-71895

New offset types for leg faces and leg surfaces

In addition to the layering settings **Automatic layering** and **Layer number**, the section renamed from **Attributes** to **Bar leg placement** in the leg face and leg surface properties now contains new offset types. The new **Offset** settings replace the previous **Additional offset** property. The offset types are:

- **From concrete cover**

  This option works the same way as the previous **Additional offset** property and is only available when **Automatic layering** is on.

- **From previous layer**

  This option is only available when **Automatic layering** is on.

- **From leg face to bar edge**

  When freezing a rebar set that uses the concrete cover value of the parent concrete part, the **Offset** setting is changed to this option. The leg face or leg surface is located on the face of the part.

- **From leg face to bar center**

  When freezing a rebar set that does not use the concrete cover value of the parent concrete part, the **Offset** setting is changed to this option. The leg

face is not on the face of the part, but is either entirely inside or outside the part.

Using the **Inquire rebar set layers** command now also reports the new offset types.

TTSD-71780, TTSD-71895, TTSD-73535

Offset values of rebar sets in model views

The overall offset value can now be displayed on each rebar set leg face and leg surface in model views, next to the layer number. The offset is comprised of the concrete cover, the bar layering offset, and any additional offset defined. This offset is shown when the **Rebar dimensions** and **Leg faces** checkboxes are selected under **Visibility** on the **Rebar** ribbon tab.

TTSD-73112

Split rebar sets

You can now use the **Split** command to split rebar sets. Previously, you could split parts, single reinforcing bars, and normal and tapered reinforcing bar groups.

You may need to split a rebar set, for example, when you want to add only a portion of it into a rebar assembly.

To split a rebar set, go to the **Edit** tab on the ribbon and click **Split**. Select the rebar set, and pick two points for the splitting line.

Rebar sets with leg faces can be split in any direction.

Limitations:

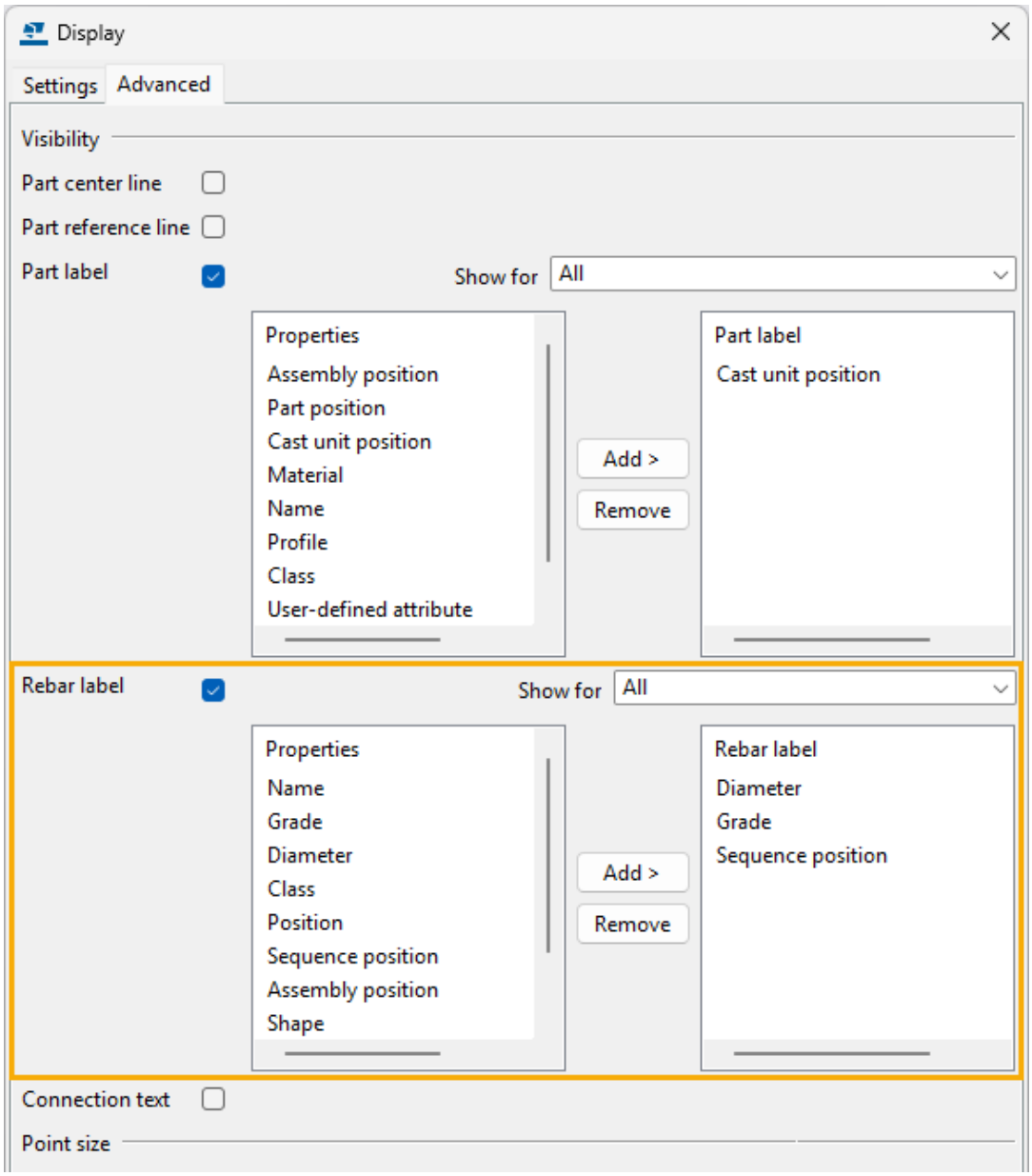
- Splitting only works with rebar sets that have one or two straight guidelines. If you try to split a rebar set that has more than two guidelines or a curved guideline, Tekla Structures shows a message saying "The object cannot be split in this position".
- Rebar set leg surfaces cannot be cut. If a rebar set has leg surfaces, splitting only works perpendicular to the guideline (=parallel to the bars).

TTSD-69992

Labels for reinforcement objects in model views

Similarly to part labels, you can now show labels for reinforcement objects in model views. There is a new section, **Rebar label**, on the **Advanced** tab in

the **Display** dialog. There you can define the contents of the rebar labels, and whether they are shown for all or the selected reinforcement objects:



TTSD-69110

Other reinforcement changes

- In the **Auto splitter** component, a new splicing symmetry option [redacted] is now available that allows splitting reinforcing

bars so that all resulting bars have equal length. This length is as close to the maximum allowed length as possible.

TSAC-8871

- The following template attributes are now available for reinforcement objects with the `REBAR` and `SINGLE_REBAR` content types and in rebar marks:

  `TOP_LEVEL`, `TOP_LEVEL_GLOBAL`, `TOP_LEVEL_BASEPOINT`, `TOP_LEVEL_PROJECT`,

  `BOTTOM_LEVEL`, `BOTTOM_LEVEL_GLOBAL`, `BOTTOM_LEVEL_BASEPOINT`, `BOTTOM_LEVEL_PROJECT`

  TTSD-69106

- The following advanced options have been hidden from the Tekla Structures user interface:

  - `XS_REBARSET_SHOW_LEGFACES`
  - `XS_REBARSET_SHOW_GUIDELINES`
  - `XS_REBARSET_SHOW_PROPERTY_MODIFIERS`
  - `XS_REBARSET_SHOW_SPLITTERS`
  - `XS_REBARSET_SHOW_END_DETAIL_MODIFIERS`
  - `XS_DISPLAY_DIMENSIONS_WHEN_SELECTING_REBARS`
  - `XS_REBARSET_COLOR_BARGROUPS`

  Instead of these advanced options, you can use the **Rebar** --> **Visibility** commands on the ribbon, or the keyboard shortcuts **Alt+1...7**.

  TTSD-74620

- The **Rebar sequence numbering** macro that was available in the **Applications & components** catalog has been removed. Since Tekla Structures 2025, you have been able to assign reinforcement sequence numbers using the regular numbering commands on the ribbon.

  TTSD-72545

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update the ribbon for Freeze rebar sets and Unfreeze rebar sets

If you have customized the ribbon, update your customized ribbon to add buttons for the new **Freeze rebar sets** and **Unfreeze rebar sets** commands.

1. On the **Rebar** ribbon tab under **More**, add new **Freeze rebar sets** and **Unfreeze rebar sets** buttons.
   - **Add ribbon item**: **Simple button**
   - **Command**: `Reinforcement.Freeze` and `Reinforcement.Unfreeze`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Full text**
2. Save the changes.

   The new ribbon configuration file is saved to `C:\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
3. Move the file to the **Ribbons** sub-folder in a folder that is in the XS_SYSTEM path.

Update the property pane for automatic layering setting for rebar sets

If you have customized the property pane, update your customized property pane to update the properties pane for **Rebar set leg face** and **Rebar set leg surface**.

Make these updates in the `PropertyTemplates.xml` file in the `PropertyTemplate Type="RebarSet.LegFace"` and `PropertyTemplate Type="RebarLegSurfaceObject"` property templates:

1. Replace the previous **Attributes** property group with the new **Bar leg placement** property group.

   Before:

```
<PropertyGroup Name="Attributes" Label="translation:albl_Attributes"
Tooltip="translation:albl_Attributes">
```

   After:

```
<PropertyGroup Name="BarLegPlacement"
Label="translation:albl_Bar_leg_placement"
Tooltip="translation:albl_Bar_leg_placement">
```

2. Add a new property for **Automatic layering** as the first item under the new **Bar leg placement** property group:

```
<Property Name="Property.LegFace.AutomaticLayering" />
```

2.10 Miscellaneous modeling improvements

Tekla Structures 2026 provides improvements in modeling functionalities.

Changes in log locations

In Tekla Structures 2026, logging has been improved.

All logs, such as `ClashCheck.log` and `numberinghistory.log`, are now located either in the model folder under the `\logs` folder, or in the local application data folder at `%LocalAppdata%\Trimble\Tekla Structures\%Version%\Logs`. This means your logs are in a more consistent and predictable location.

Additionally, Tekla Structures session history log files and error log files have been moved to the local application data folder at `%LocalAppdata%\Trimble\Tekla Structures\%Version%\Logs` or to the path specified by the advanced option `XS_LOGPATH`.

The files have also been renamed to the format `TeklaStructures-<process id>.log` for the session log and `TeklaStructures-<process id>.err` for the error log. The log entries for the last five Tekla Structures sessions are stored in the folder.

Additionally:

- Tekla Structures now automatically manages your log files. When you start Tekla Structures or open a model, older logs will be cleaned up, ensuring you always have the most relevant information without clutter.
- Log messages now follow a consistent format, making them easier to read and understand if you ever need to review them. This also helps our support team quickly pinpoint any issues.
- There is new API support for developers building extensions and plugins. Tekla Structures now offers a dedicated `Tekla.Structures.Logging` SDK. This SDK provides a consistent and official way to implement logging within your applications, ensuring that logs from your tools integrate with Tekla Structures new logging system.
- See also Location change for drawing, cloning, and printing logs (page 96).

TTSD-69076, TTSD-69882

Numbering preview: review identical objects individually

The **Numbering preview** dialog now has a new separate table where you can show, select, and review identical objects that are treated in the same way in numbering. The new **Individual objects** table shows all the individual objects that you have selected in the main table in the **Numbering preview** dialog.

This improvement was already introduced in Tekla Structures 2025 SP4.

TTSD-69579

Design group numbering compares gross length and finish

In the **Design group numbering** application, you can now compare parts based on their gross length and finish.

TSAC-9167

Selection switches: activate or deactivate selected switches using the Ctrl key

You can now activate or deactivate selection switches one by one. Hold down the **Ctrl** key and click the selected switches.

This improvement was already introduced in Tekla Structures 2025 SP1.

TTSD-69048

Pour solids created in local coordinates

Pour solids, including continuous structures and pour objects created by pour breaks and cuts, are now created using local coordinates instead of global coordinates. The cut or split part solids are generated in local coordinates and use instancing in various operations. This approach enhances the numerical accuracy of solid creation for pours and accelerates operations because the instanced part solids created in local coordinates can be reused in many operations.

TTSD-73796

Improved triangulation of slab top and bottom faces

An issue was fixed where slabs with **Dz1** or **Dz2** offsets at corner chamfers could produce incorrect solid geometry due to mismatched triangulation between the top and bottom faces. This inconsistency led to inaccurate geometry, which could cascade to downstream processes, including volume calculation and pour unit generation. The triangulation of the faces is now mirrored consistently, ensuring reliable geometry and accurate volume computation.

This improvement was already introduced in Tekla Structures 2025 SP3.

TTSD-47057

Custom component fixes

- Previously, it was not possible to create a custom seam component with points picked in the main part's x-direction without any secondary parts. This has now been fixed.
- Previously, certain custom components with an array of objects did not work correctly. Specifically, inserting or modifying such a component increased the number of objects in the array, causing the operation to become slower and slower. Additionally, the **Get** or **Modify** operations in the dialog did not work. This has now been fixed.

These improvements were already introduced in Tekla Structures 2025 SP5.

TTSD-62177, TTSD-56963, TTSD-58139

Improvements in filterable drop-down lists

- Searching for settings files or property files in the drop-down lists in the property pane and in several dialogs has now been improved: typing anything that matches any part of the file name is considered as a search match.

  TTSD-67211, TTSD-67221, TTSD-67240, TTSD-67294
- The filterable drop-down lists in the property pane and in several dialogs now allow you to select an item with the **Enter** key if there is only one item available in the list.

  TTSD-67782, TTSD-68956, TTSD-68975, TTSD-69070

These improvements were already introduced in Tekla Structures 2025 SP2.

Improvement in uploading larger files in Support tool

Previously, the packaging functionality in the Support tool was not able to handle files larger than 2 GB. This issue has now been fixed, and it is possible to upload files up to 5 GB in size.

This improvement was already introduced in Tekla Structures 2025 SP1.

TTSD-69474

Tekla Model Sharing now included in Tekla Open API

Tekla Model Sharing management operations can now be done through Tekla Open API.

Specific Tekla Open API operations include:

- Start sharing a model

- Browse and join a model
- Invite users to join a model
- Perform a read in
- Perform a write out
- Reserve the next write out
- Exclude a model from Tekla Model Sharing

TTSD-71030

3 What's new in drawings in Tekla Structures 2026

- New in AI Cloud Fabrication drawings
- Enhancements in drawing cloning
- Review and change section view associativity
- Edit the model and general arrangement drawing together
- Intuitive 2D sketching, editing, and annotations in drawings
- Improvements in reinforcement in drawings
- Enhancements in drawing colors and lines
- Other improvements in drawings

3.1 New in AI Cloud Fabrication drawings

In Tekla Structures 2026, reduce the time and expertise needed to create fabrication drawings with AI-assisted template selection and improved cloning and associativity.

First released as a preview feature in Tekla Structures 2025, the service has been improved based on the feedback. Additionally, the method for finding the best matching template has been enhanced, and now it more likely suggests a match that is more similar to the target assembly. While the new AI model improves template matching from the cloud libraries, a human-in-the-loop step helps fine-tune the AI suggestions. The updated interface provides a clear template preview, top three AI-based matches, and options to clone or create from settings.

To further enhance drawing output quality, cloning has been improved with more reliable placement of annotations, dimensions, and views, avoiding issues such as stiffeners being dimensioned as connection plates. You can

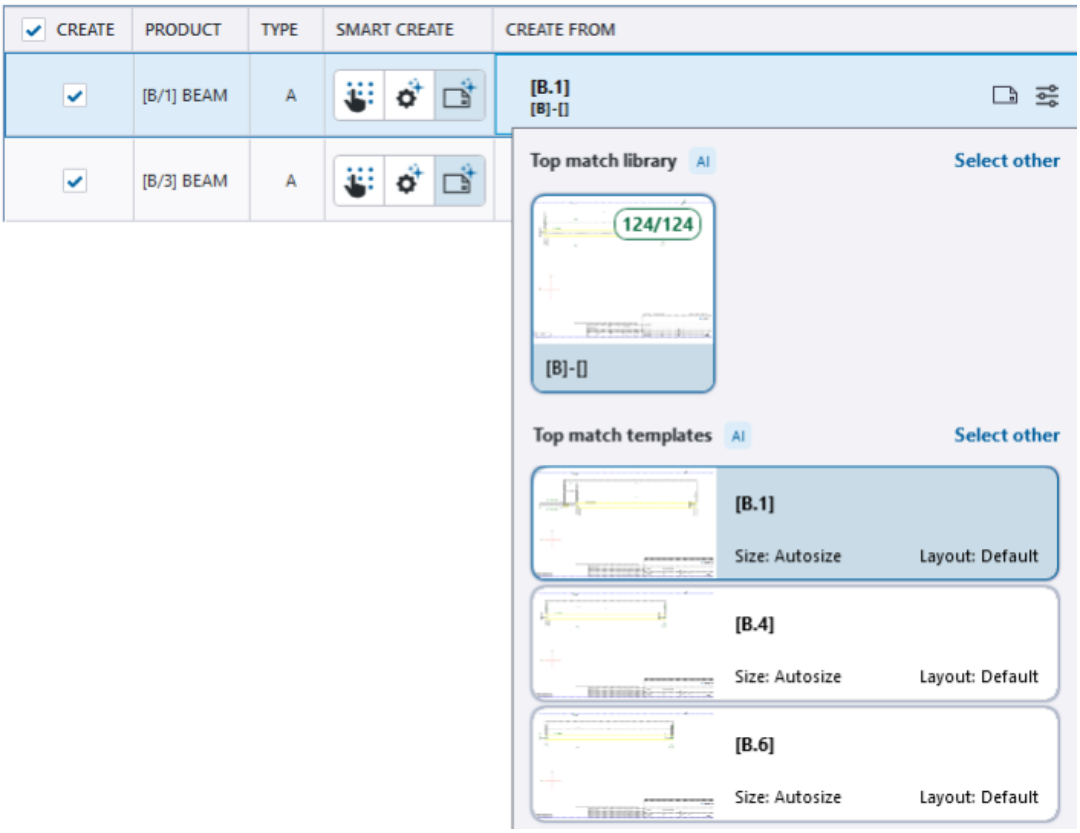
also associate section views (page 61) with objects, helping keep the drawings consistent after cloning or model updates.

Many improvements have also been delivered to AI Cloud Fabrication drawings in Tekla Structures version 2025 through the service packs.

Improvements in Tekla Structures 2026

Enhanced template matching

In Tekla Structures 2026, the method for identifying the best matching templates has been thoroughly revamped. If drawings exist in a library for assemblies or cast units similar to the selected ones, the new method is optimized to locate and suggest these drawings as templates. Additionally, the search time for the best matching templates has been significantly shortened. The method now suggests multiple template candidates, offering up to three top choices based on library size and candidate quality.



TTSD-72442, TTSD-71980

Improved drawing upload

- Earlier, you could not re-upload drawings manually from **Document manager** using the plus button when the drawing was modified or

when you were uploading from a newer Tekla Structures version. This issue has now been fixed, and re-uploading succeeds.

TTSD-74129

- Previously, the drawing upload could start with a significant delay. This issue has now been fixed.

  TTSD-74599

Improved cloning results

- Cloning results have improved for drawings created using the AI Cloud Fabrication drawings feature when source drawings have been uploaded from Tekla Structures 2025 SP2 or newer into a collection. Better cloning results can be seen with elements such as dimensioning, marks, and section views.

  TTSD-70220

- There are also improvements in drawing cloning that might affect the creation quality of AI Cloud Fabrication drawings, for example, cloning is now faster and it now works more reliably with main parts that are not very similar. Cloning improvements are mentioned separately in Enhancements in drawing cloning (page 54).

Improvements in Tekla Structures 2025 service packs

For a complete list on all improvements and fixes that have been released in the Tekla Structures 2025 service packs, see the following release notes:

Tekla Structures 2025 SP1

Tekla Structures 2025 SP2

Tekla Structures 2025 SP3

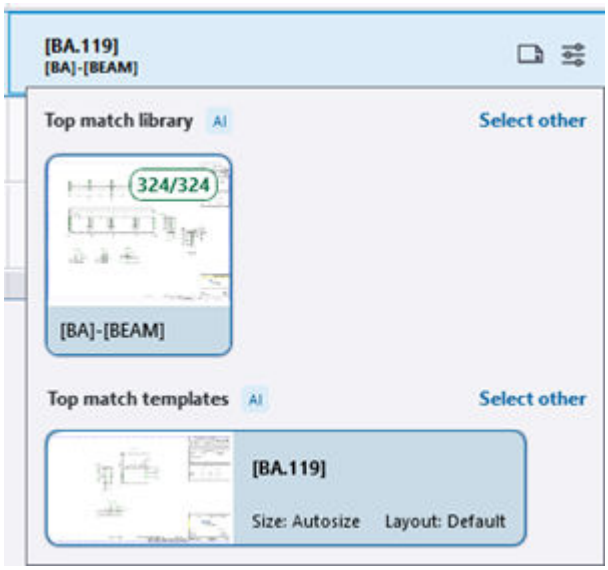
Tekla Structures 2025 SP4

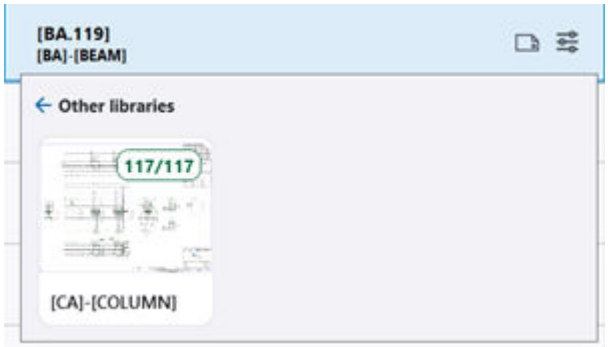
Tekla Structures 2025 SP5

Tekla Structures 2025 SP6

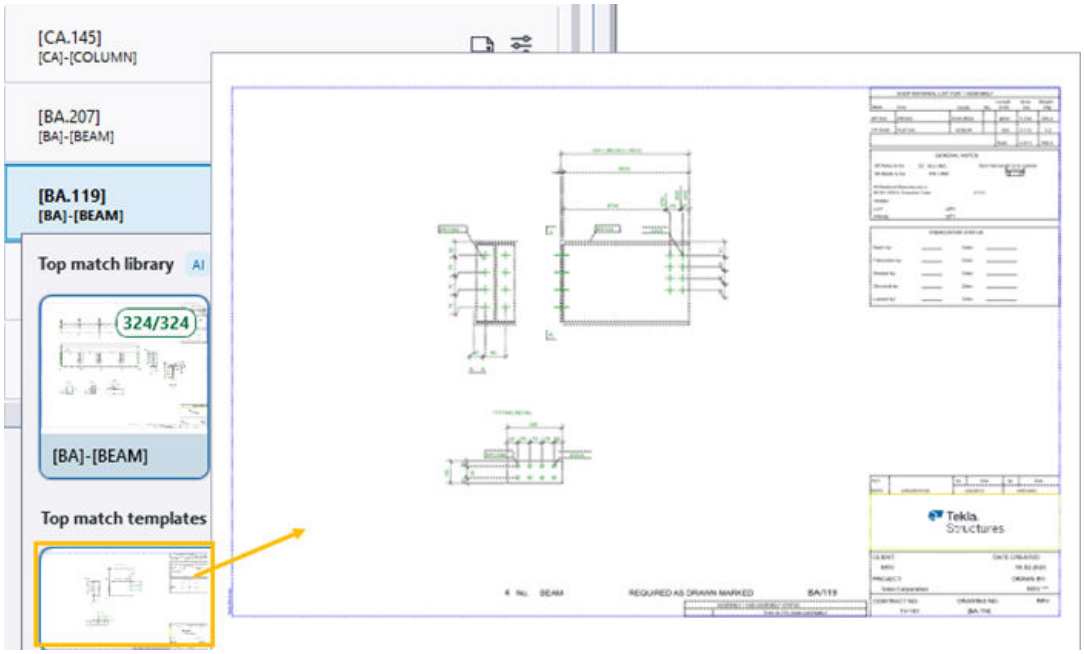
Tekla Structures 2025 service pack highlights

The best matching template or its settings file is automatically selected in the top match library, and you can also change your selections. This provides greater flexibility and control over the drawing creation process. Previously, you could only select the library, and the drawing creation was done using the best matching template or its settings file in the selected library.

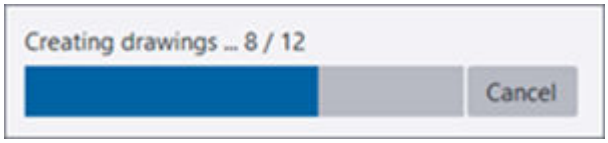




Small and large template preview:



A single progress bar instead of processing queue messages:



3.2 Enhancements in drawing cloning

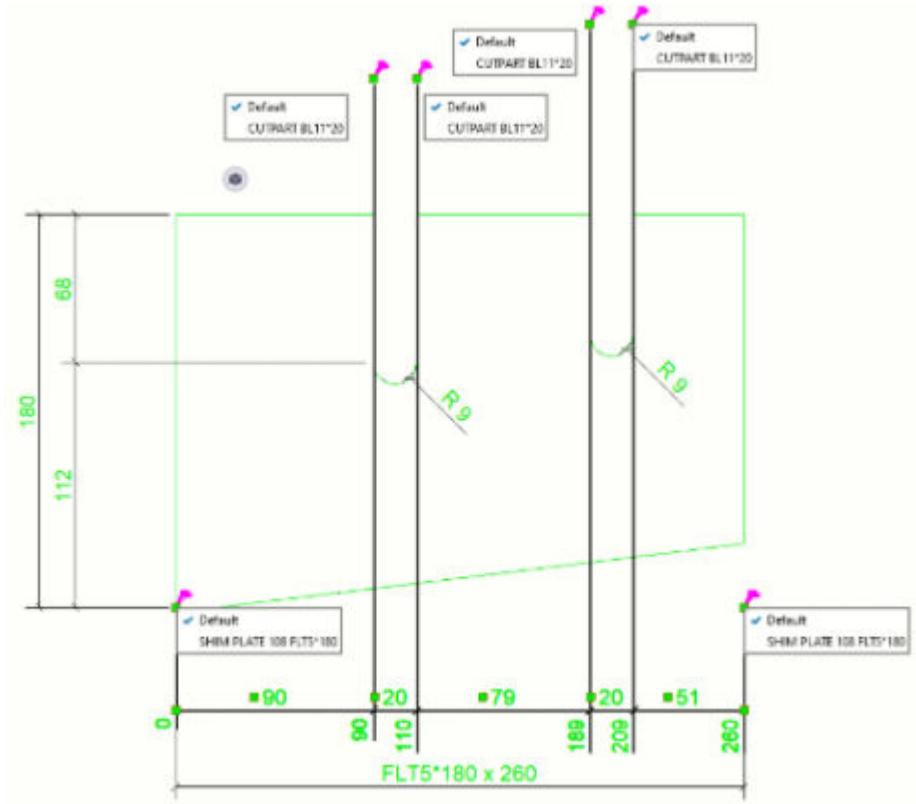
In Tekla Structures 2026, cloning has been improved with more reliable placement of annotations, dimensions, and views.

Better placement of views and dimensions in cloning

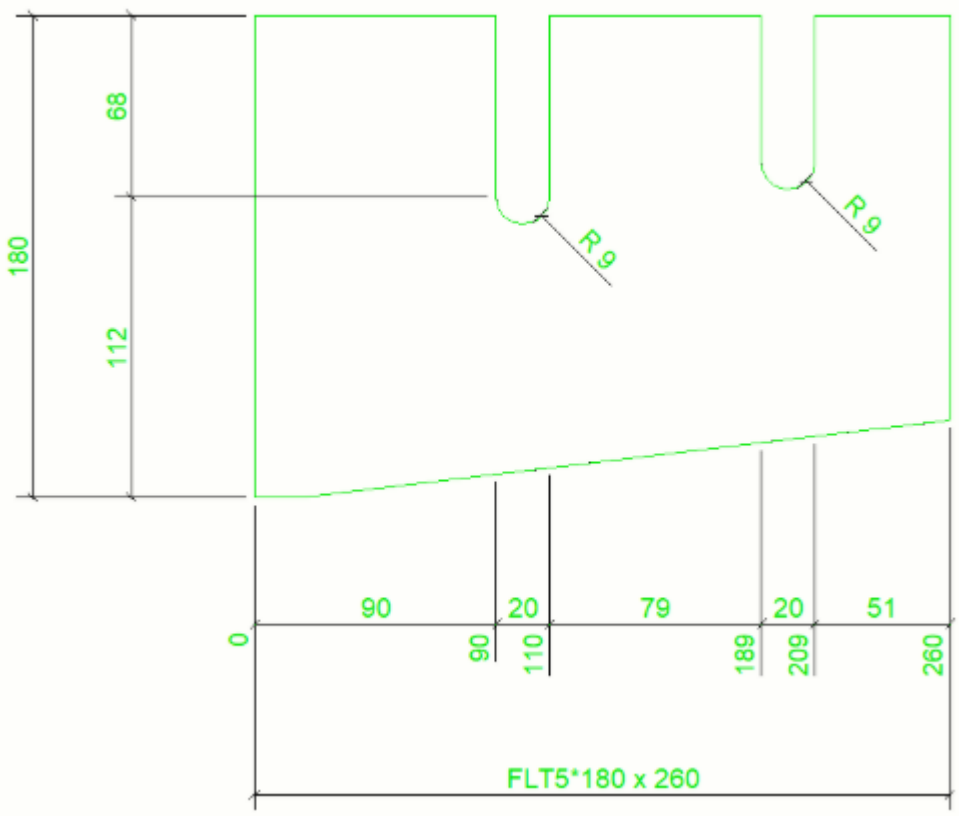
Dimension placement

Tekla Structures is now more **precise in placing dimension points**. Previously, dimension points could occasionally be placed outside objects, leading to dimensions being shown to invisible objects. This improvement ensures that dimension points are always placed **only on visible objects**.

Before:

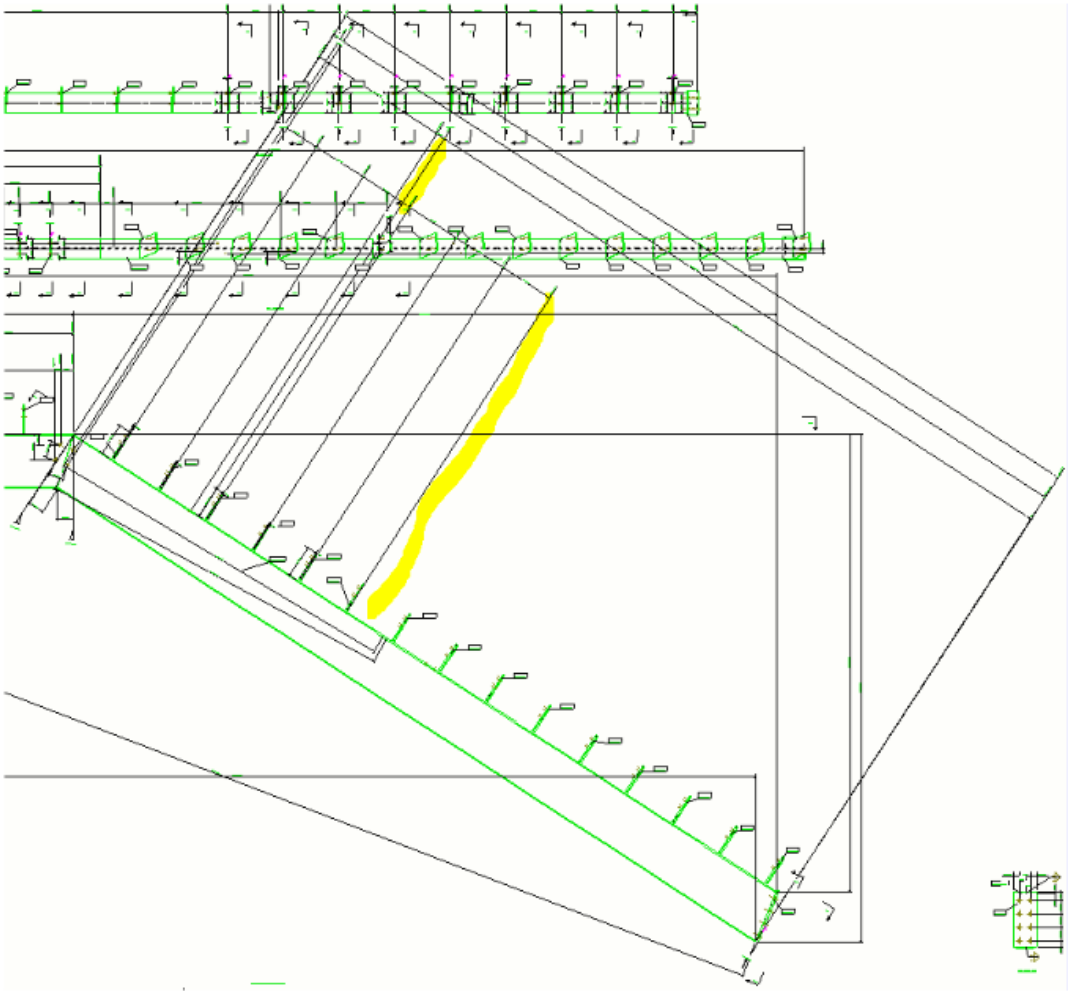


After:

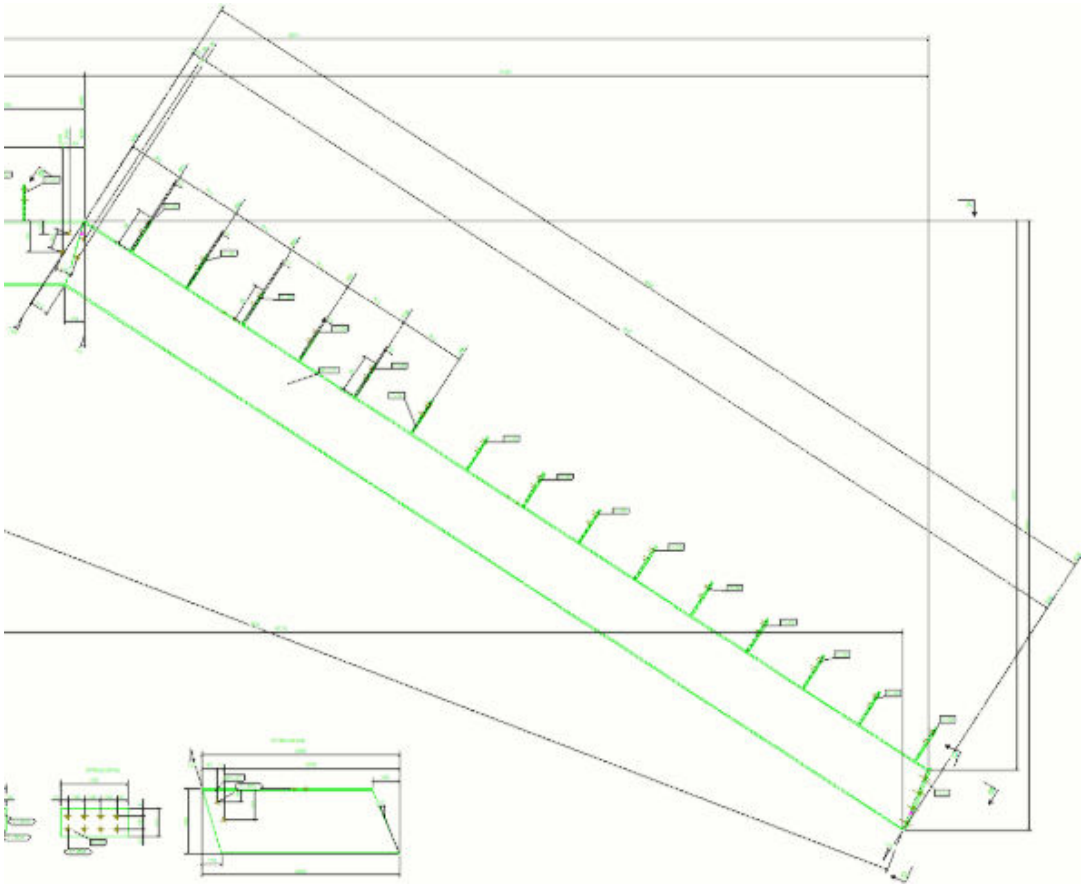


Automatically generated dimensions in cloned drawings, controlled by XS_INTELLIGENT_CLONING_ADD_DIMENSIONS, are now placed at **optimal distances** from the dimensioned objects and other dimensions.

Before:



After:



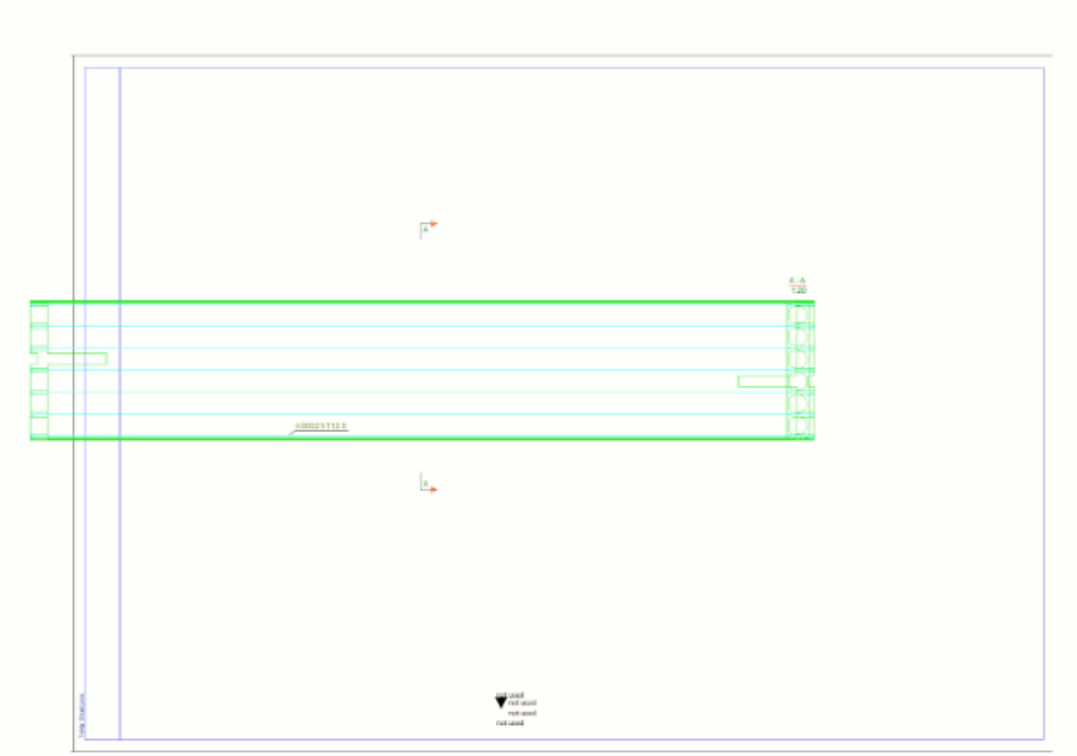
View placement

To ensure that the view placement improvements are applied, the advanced option XS_DRAWING_UPDATE_VIEW_PLACING must be set to `TRUE`.

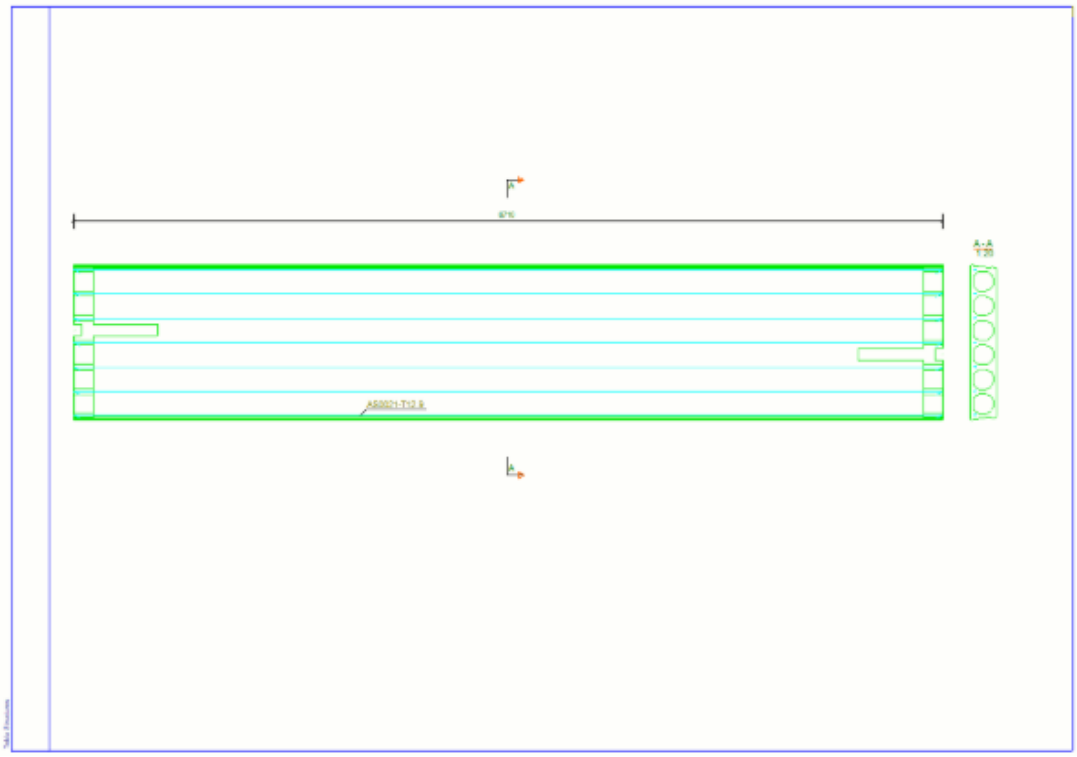
The cloned view placement has been improved for situations where views are wider or taller than the drawing sheet. Previously, these views would not move; now, they are adjusted to fit the drawing sheet as much as possible after being cloned.

Tekla Structures now intelligently places views within drawing frames in cloned drawings. When using templates (.tpl) for drawing frames, Tekla Structures attempts to prevent views from overlapping each other.

Before:



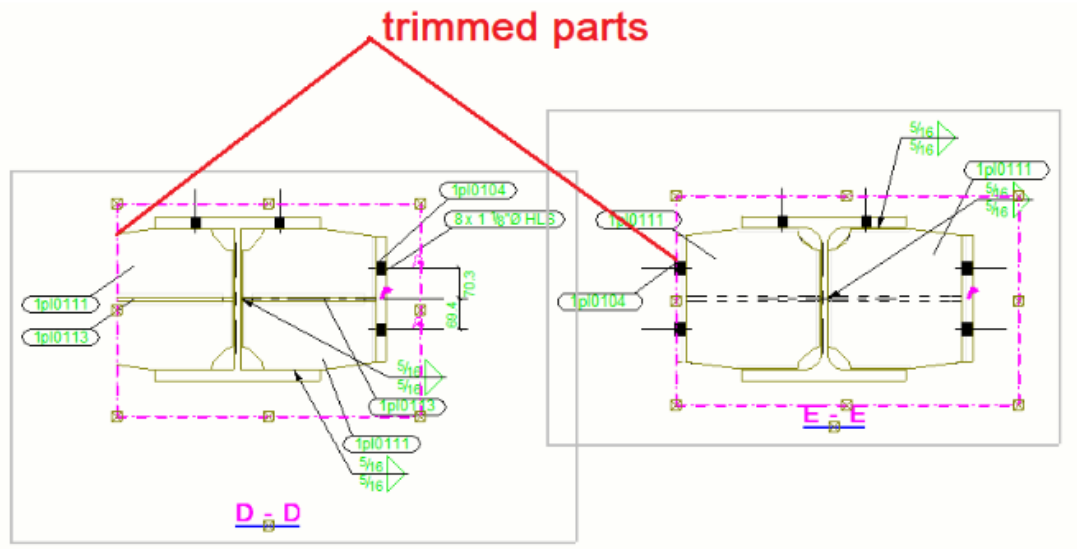
After:



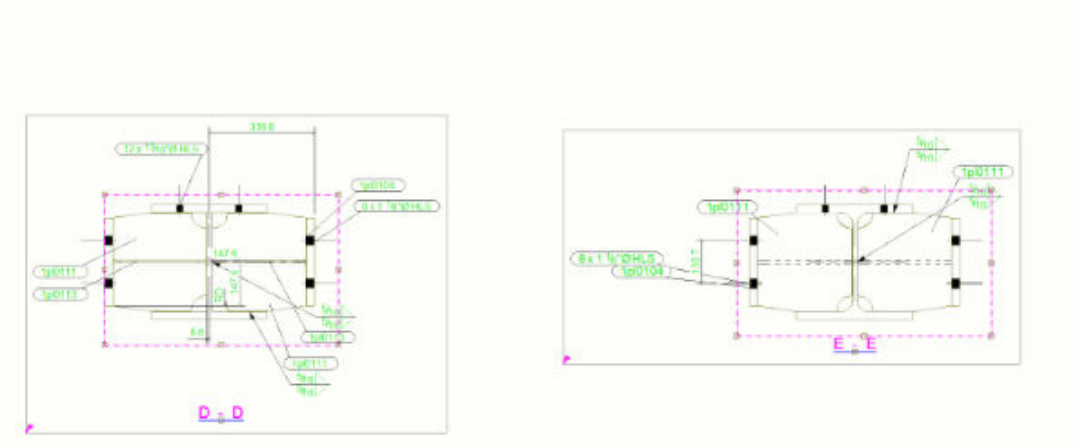
Section views and section marks

The section view behavior in cloning has been improved for situations where an assembly has new parts. Now, when new parts are detected, the section view attempts to resize to fit the parts within its boundary box.

Before:

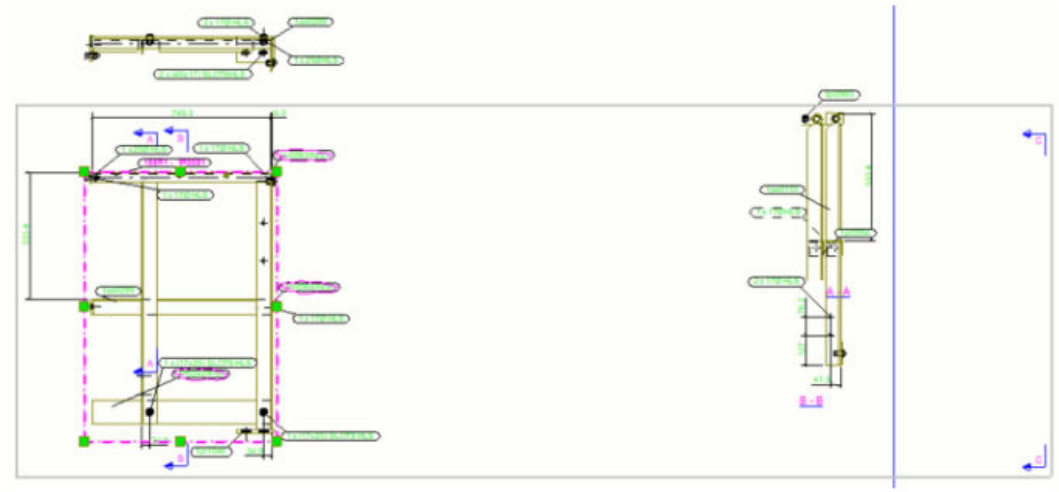


After:

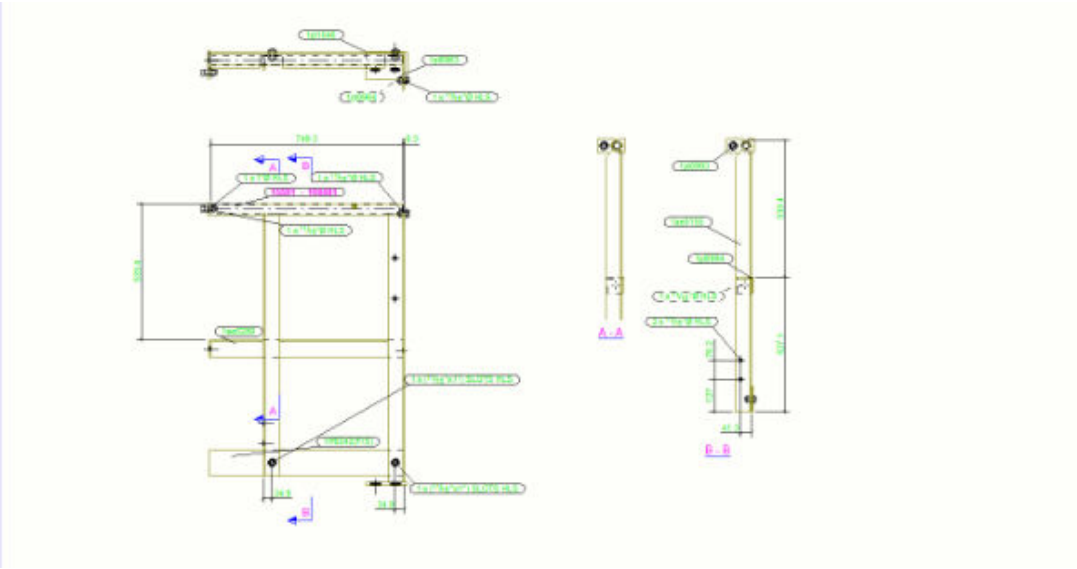


Independent section marks that are not associated with any objects could previously be placed quite far from the assembly objects. Independent section marks are now deleted if they are not placed in the close proximity to a part.

Before:



After:



TTSD-71091

These improvements were already introduced in Tekla Structures 2025 SP4 release notes.

Other cloning improvements

- You can now validate and control the association of the section views to objects in fabrication drawings. This enhancement contributes to more predictable and reliable drawing behavior in view placement, and improves the quality of cloned and updated drawings. For more information, see Review and change section view associativity (page 61).

- The cloning of the drawing dimensions has been improved so that bad dimension points that could not be fixed and were left pointing at nothing or far outside the view are now removed.

  TTSD-69959

- Cloning of cast units with notches or anchor bolts has been improved. This can be observed, for example, by more consistent application of dimensioning rules between source and target cast units.

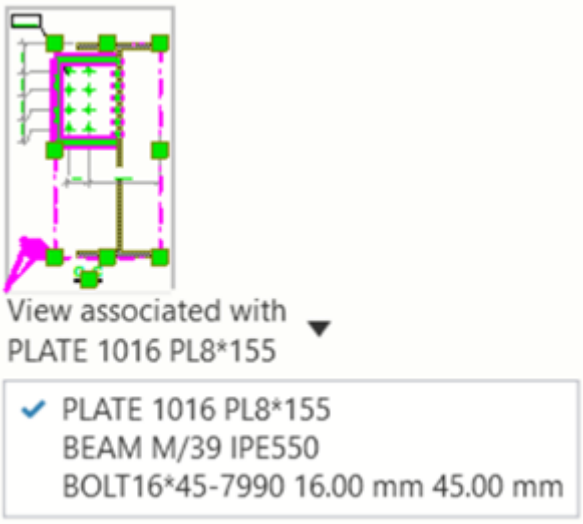
  TTSD-69763

3.3 Review and change section view associativity

In Tekla Structures 2026, you can validate and control the association of the section views to objects in fabrication drawings. This enhancement contributes to more predictable and reliable drawing behavior in view placement, and improves the quality of cloned and updated drawings. At the same time, it reduces the need to manually correct views in updated or cloned fabrication drawings.

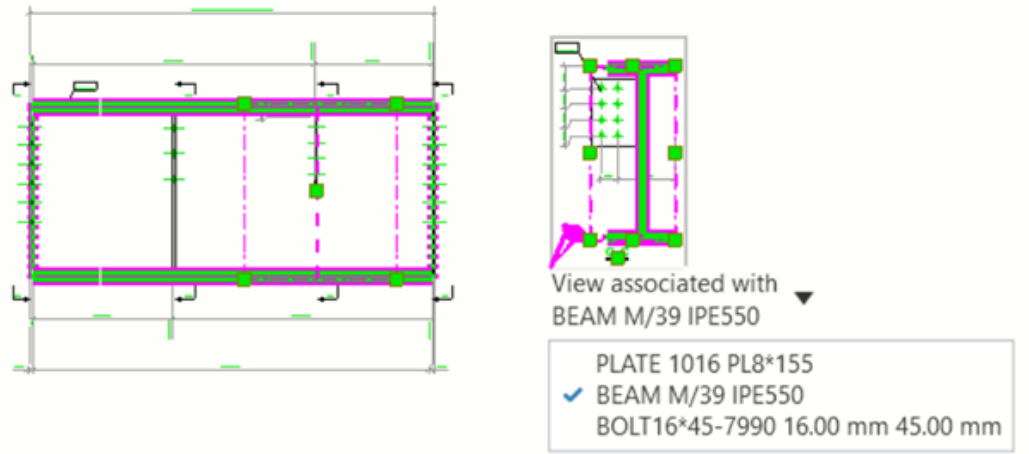
Previously, incorrect associativity settings could lead to issues with section views, such as views appearing in unexpected locations or disappearing after updates or cloning.

- When you create a new section view, Tekla Structures selects the associated object for the section view automatically and shows it in the associativity label. The associativity rule list for the section view is displayed at view creation, and there you can see all possible objects the section view can be associated with.



If you are satisfied with the object selection, no further action is needed.

- If you are not satisfied, you can change the currently associated object. Click another object in the associativity rule list. The selected object is highlighted in the main view and in the section view.



  You can also change the associated object after creating the section view: Click the section view frame, click the associativity rule list down arrow, and select another object.

Limitations

- Showing or changing section view associativity is not available in general arrangement drawings.

3.4 Edit the model and general arrangement drawing together

Tekla Structures 2026 introduces a new efficient way of working that lets you modify a model and a general arrangement drawing simultaneously without having to close the drawing in between.

When working in a general arrangement drawing, you sometimes notice that adjustments are needed in the model. You might need to modify incorrect geometries and properties, and add missing parts. Previously, in situations like these, you had to close the drawing, then edit the model, and reopen the drawing to see the changes. Now you can work fluently and save time as you do not need to close and reopen general arrangement drawings during the design process. The changes you make to the objects in the model are instantly visible in the drawing. Marks, labels, dimensions, and templates are updated automatically.

Note that you can use this new way of working only with general arrangement drawings. You cannot edit the model while having a fabrication drawing open.

Select a model view for editing

To edit the model while having the general arrangement drawing open, select a model view for editing. You can select the model view on the **Window** ribbon tab, in the **Model views** side pane, or from the model if you have many model views open.

On the **Window** ribbon tab, you can select to tile the Tekla Structures window either vertically or horizontally to get both the model and drawing visible at the same time. When you have both the model view and the drawing open, switching between the model and the drawing changes the ribbon, property pane, and toolbars according to the mode that you have currently selected.

You can position and arrange model views and drawing views around the Tekla Structures window using different docking zones. For more information, see Position and arrange model views and drawings in the Tekla Structures window (page 25)

If you want to prevent model editing while having a general arrangement drawing open, you can set the new `XS_ENABLE_MODEL_EDITING_IN_GA` advanced option to `FALSE`. The default value of the advanced option is `TRUE`.

Automatic selection between the model and drawing

When working both in the drawing and in the model at the same time, you need to know which objects are affected by your selections and changes to ensure that you are working on the correct objects. Automatic selection between drawing and model objects allows you to easily track the design process and to easily find the objects in the model and drawing. You can select individual or multiple objects, or use area selection.

To switch to the desired view in the model or in the drawing, click the middle mouse button in the view or select the view from the list on the **Window** menu. This way the objects you have selected stay selected when switching between the model and the drawing. If you click the left mouse button in the view itself, the view will be selected and your original object selection is lost.

Selection in drawing

When you select an object in the drawing, the object is highlighted in the model. When you switch to the model, the highlighted object is selected. If you have more than one model view open, the object you select in the drawing is selected in all the model views.

Selection in model

When you select an object in the model, the object is highlighted in the drawing. When you switch back to the drawing, the highlighted object is selected. If the object is visible in multiple views in the same drawing, the object is selected in all the drawing views.

Highlight selection

You can control the automatic selection in **Quick Launch** using the **Highlight selection** command. By default, the command is selected and the automatic

selection is enabled. If you do not want to use the automatic selection, clear the **Highlight selection** checkbox.

Create a model view from a drawing view

You can create a new temporary model view from a drawing view if you need a model view that exactly represents the drawing view. Creating a new model view helps you to find the right location in the model. The temporary model view has the same coordinate system as the drawing view, and the same view plane, visible objects, and view depths.

To create a model view, select the drawing view, right-click and select the **Create model view for selected view** command. You can also find the command on the contextual toolbar:

The new model view has the same name as the drawing view. As the view is temporary, the name is in **( )** parentheses.

The temporary model view is removed when you close the view. If you want to keep the view, rename it or just remove the parentheses from the view name. You can easily rename the view in the **Model views** side pane.

Drawing view and model view visibility properties aligned

The model view that you create uses the same view properties and filters as the drawing view. The visibility properties for object types and object groups are automatically taken into account when the model view is created. When a property is not set to visible in the drawing view properties, it is also not set to visible in the model view properties.

Limitations

- Some modeling commands are not available when you have the general arrangement drawing open. For example, you cannot perform numbering, open other models, use the **Save as** command, or you cannot create any type of other drawings. Tekla Model Sharing commands are not available. To use these commands, you have to close the drawing.
- Grids cannot be selected between models and drawings.

- The performance of model changes might be slightly affected while a general arrangement drawing is open. The performance depends on how many drawing views contain modified objects and the related objects in the drawing view that need adjustments.

3.5 Intuitive 2D sketching, editing, and annotations in drawings

Finalize designs efficiently with enhanced sketching, editing, and annotation tools. In Tekla Structures 2026, 2D drawing sketching, editing, and annotating are significantly enhanced through the renewed drawing mode ribbon, some new commands, and other major improvements.

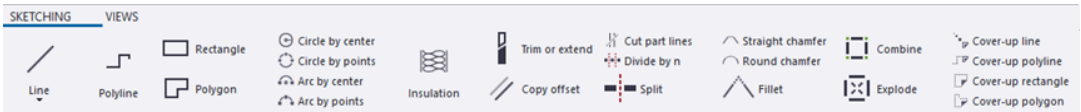
- The new **Sketching** tab is dedicated to sketching tools. The new, adaptive **Insulation** command enables efficient sketching and automatically adjusts to model changes. New sketching capabilities allow preselection of drawing sketch objects and precise numeric input during dragging. Shape positioning and status bar messages have been improved. Also the snap grid can now be visualized and center line snapping works better.
- The **Drawing** tab has been updated and reorganized. It now contains the new **Copy continuously** switch for selecting the copying mode and the **Paste** command for copying from clipboard. The new **Rectangular cloud** command and **Cloud** property pane enhance the flexibility in review clouds.
- The improved **Text** and **Text file** features with the new, integrated **Text editor** allow you to add formatted project notes easily, quickly, and efficiently.

Renewed drawing ribbon

Dedicated tab for sketching tools

The drawing sketching tools have been moved to the new **Sketching** tab from the **Drawing** tab. Now that the sketching tools are all located on the same tab, they are quicker and easier to find and use.

The new **Sketching** tab:



- The new **Sketching** tab is available in all configurations that allow drawing editing.

- A new sketching command,  **Insulation**, has been added on the **Sketching** tab. For more information, see "New sketch object - Insulation" below.
- The command icons and labels are now clear, unified, and more intuitive. Previously, most of the sketching commands did not have any command names visible, only the tooltip indicated the command purpose.

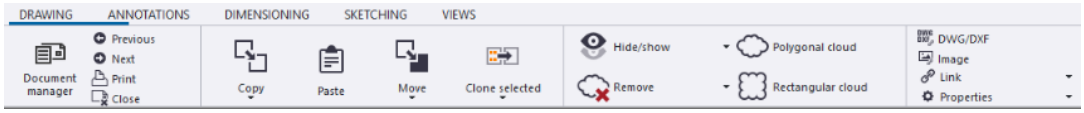
  Sketching commands on the ribbon in the previous Tekla Structures versions:

TTSD-71228

Renewed Drawing tab

The commands within the **Drawing** tab have been reorganized. The renewed **Drawing** tab:



- The  **Copy** and  **Move** commands are now located next to each other on the **Drawing** tab together with the new  **Paste** command, just like in modeling mode. The new **Copy** menu has a new switch, **Copy continuously**, for enabling or disabling continuous copying. The **Copy** command now always copies the selected objects to the clipboard.

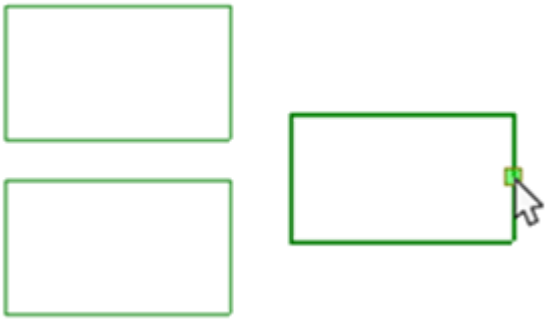
  For more information about using the new **Copy continuously** switch and copying to clipboard, see New clipboard for copying and pasting model and drawing objects (page 13).
- All existing copying and moving commands are now located on the **Copy** and **Move** menus, including the  **Copy - Linear** command, which could earlier be used through **Quick Launch** only.
- A new cloud command,  **Rectangular cloud**, has been added for quick creation of rectangular clouds. For more information, see "Create rectangular clouds faster" below.

- The old **Cloud** command has been renamed to  **Polygonal cloud**.

TTSD-71262, TTSD-73921

Preselect drawing sketch objects

In Tekla Structures 2026, you can now preselect drawing sketch objects. When you move the mouse pointer over a sketch object, lines and handles are highlighted. This new feature simplifies selecting the correct handle for actions like resizing, making it easier to drag and reshape objects.



To enable the preselection of sketch objects, activate the **Drawing drag & drop** option in **File** --> **Settings** in drawing mode.

Previously, while dragging in drawings, it was not clear which object would be moved. Now, with the new preselection, you can use dragging with confidence.

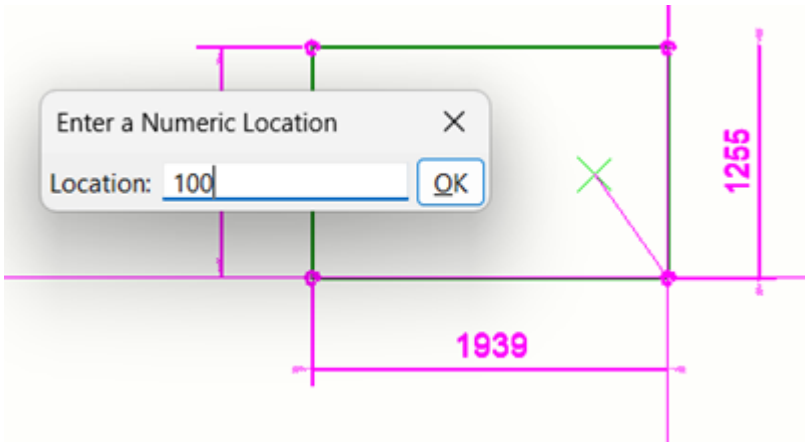
TTSD-70792

Numeric input for dragging drawing sketch objects

When dragging handles, lines, or midpoints of drawing sketch objects, you can now enter numeric values to specify the desired distance or location. This works in a similar way as direct modification in modeling mode.

- To enter a numeric value, start dragging a handle, line, or midpoint. While dragging, begin typing the desired value on the keyboard. The **Enter a Numeric Location** dialog for typing the numeric value is displayed. Type a distance or coordinates. When ready, click **OK** or press **Enter** on the keyboard.

For handles, the numeric value tells how much you move the handle in the direction of dragging, whereas for lines and midpoints, the numeric value tells how much you move the line or midpoint perpendicularly.

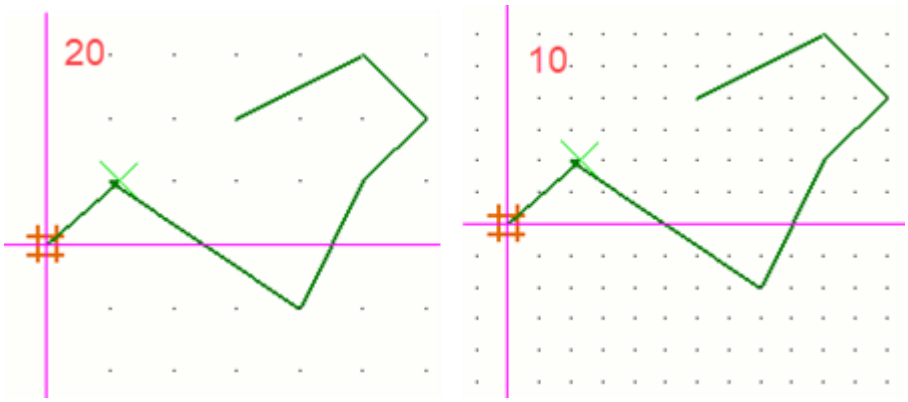


TTSD-73232

Visualized snap grid

- The snap grid in drawings is now visualized in the same way as in Template Editor, for example. To activate the snap grid, go to **File** --> **Settings** --> **Snap settings**, select **Activate** and click **OK**.
- The scale of the snap grid is now paper millimeters instead of view scale.

  The first example below uses **Spacing** value 20 and the second example **Spacing** value 10:



TTSD-69608

Improved snapping to center lines

Snapping to center lines in drawings now works better, and you can easily snap to the actual center line end point, so that the snapped point is associative. This works best if you have set the advanced option

XS_DRAWING_ALLOW_SNAPPING_TO_DISTANT_POINTS to TRUE. Previously, you would end up snapping to the center line extension.

TTSD-67770

New sketch object - Insulation

Tekla Structures 2026 introduces a new sketching command, **Insulation**, to simplify the process of creating and editing soft and hard insulation in drawings. Showing insulation in detail and section views is common especially in general design drawings. This new feature allows for quick and efficient sketching of insulation using a polyline-like input, ensuring details meet expected standards.

Flexible modification: You can modify the representation properties of the insulation before and after creation. Reshaping or resizing is easy with the insulation handles.

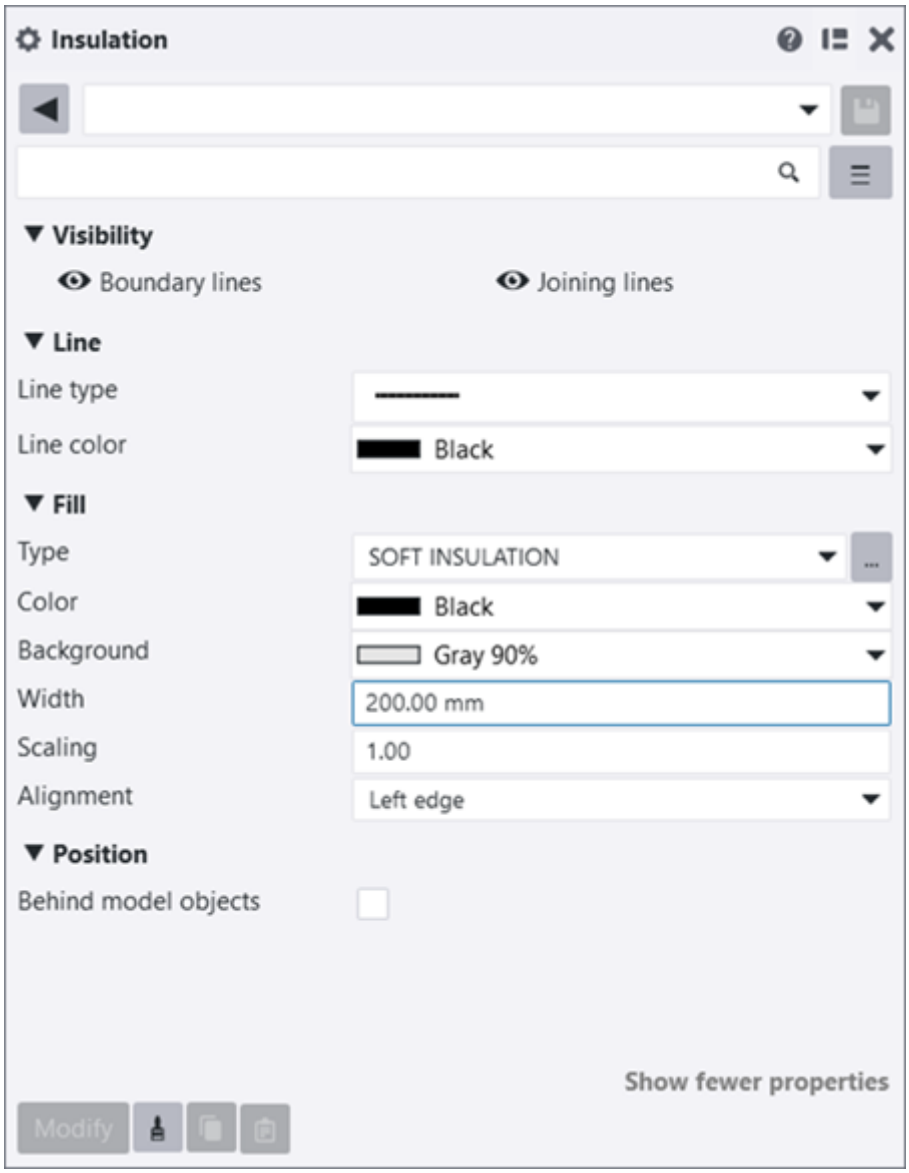
Easy access: The new **Insulation** command is available on the drawing **Sketching** ribbon tab, in the property pane object list, and through **Quick Launch**.

Customizable insulation patterns: You can use any available soft and hard insulation hatch patterns, including localized and customized patterns. Hatches automatically scale to fit the width and rotate as needed.

Associative: Insulation objects are associative if they have associativity points, meaning that they are associated with building objects.

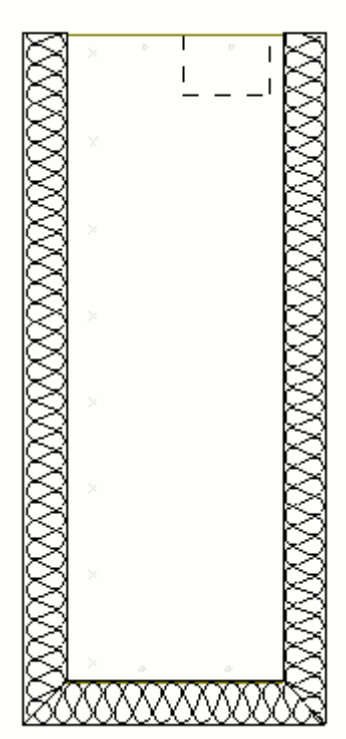
The **Insulation** feature is part of a set of capabilities that enable the use of one Tekla software from the early phases of an AEC project through to completion. Previously, you had to design and use pattern lines or rely on imported DWGs with pre-made details for insulation.

- In an open drawing, go to the new **Sketching** ribbon tab, hold down **Shift** and click  **Insulation**. Adjust the properties in the property pane: Select whether to show boundary lines or joining lines, set the line type and color, select the fill type, color, and background, and define the insulation width, scale, alignment, and position in relation to model objects. When you are ready, pick the points that the insulation will traverse. To create the insulation, click the middle mouse button or press **Space** or **Enter** on the keyboard.

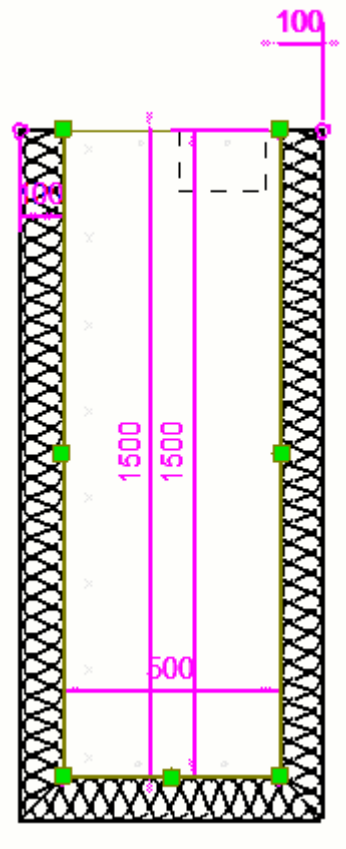


- You can modify properties of the created insulation by double-clicking it in an open drawing.
- You can move insulation objects by dragging. You can also reshape or resize the insulation and move insulation segments by dragging the insulation handles.
- You can also edit the width of the insulation by dragging a segment handle. This changes the width of the insulation and the value of the **Width** property in the property pane.
- You can also delete the selected insulation handles.
- **Insulation** is now available as an **Object** in the DWG/DXF/DGN drawing export, and can be defined to be exported on a specific layer/level.

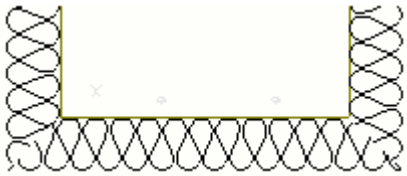
Below an example of left-aligned insulation with the SOFT INSULATION type and visible boundary and joining lines:



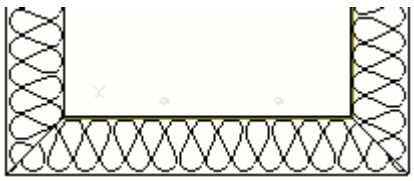
Below the same insulation is selected, showing handles and dimensions:



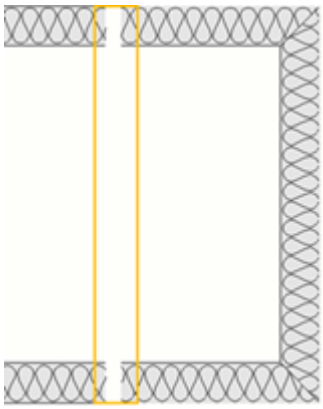
Below the insulation is shown without boundary lines or joining lines:



Below the lines are visible:



Insulations indicate part shortenings:

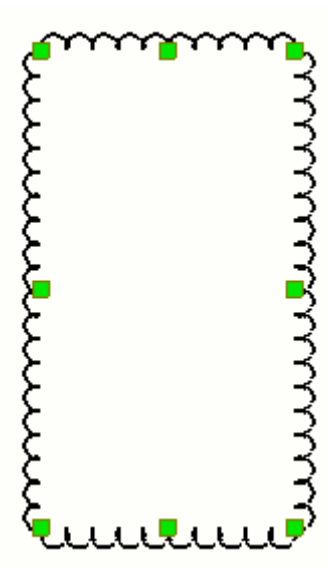


TTSD-71230, TTSD-72475, TTSD-73129

Create rectangular clouds faster

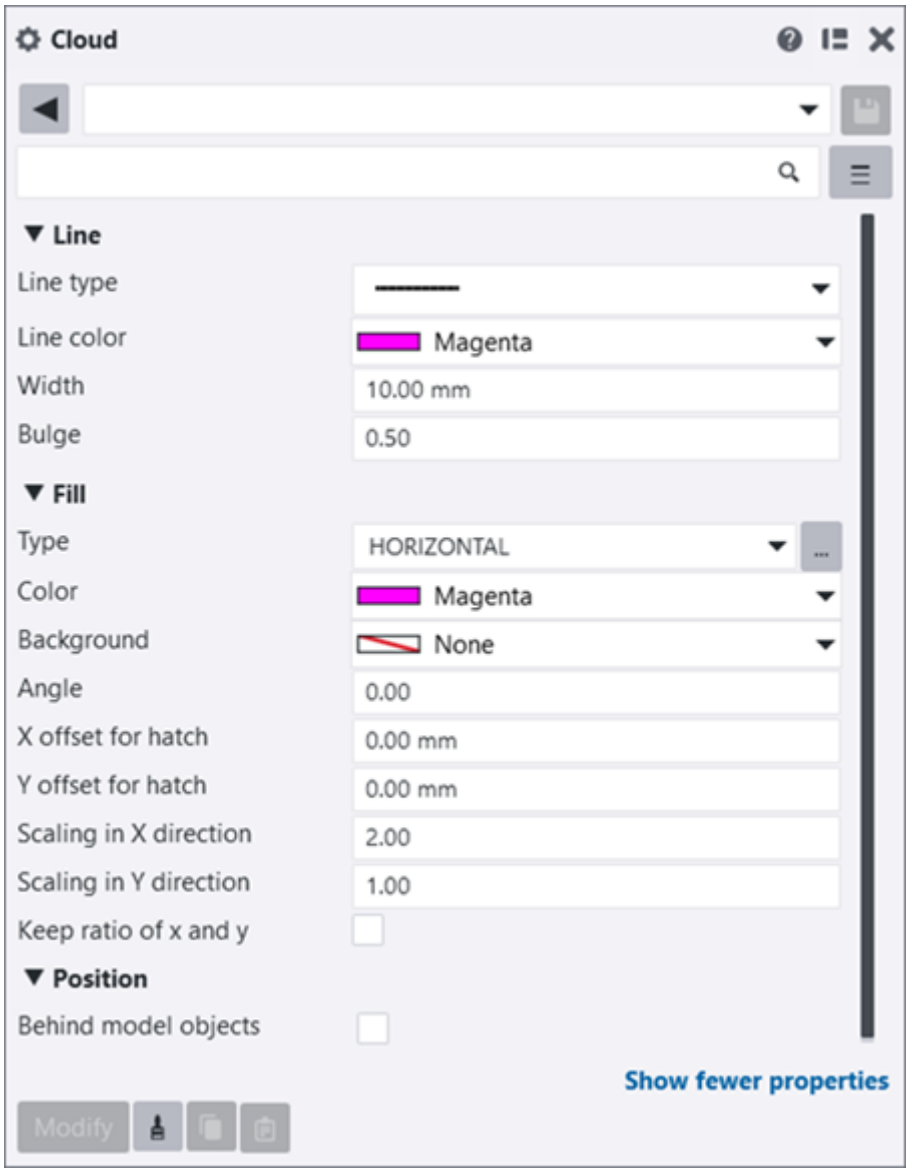
The new **Rectangular cloud** command allows you to create a rectangular cloud more quickly by simply picking two points. Previously, you had to use the **Cloud** command to create a polygonal cloud and then modify it into a rectangular cloud.

- To create a rectangular cloud in an open drawing, go to the **Drawing** ribbon tab and click the  **Rectangular cloud** command. Pick the first corner point of the cloud and then the second corner point of the cloud. You can resize the cloud by dragging the cloud handles.



- The **Cloud** command has been renamed to **Polygonal cloud**.

- The two cloud commands,  **Polygonal cloud** and  **Rectangular cloud**, both use the new **Cloud** property pane to get their properties, streamlining their usage.



  Previously, the **Cloud** command used the properties in the **Polygon** property pane.

- Now you can define the cloud arc width for each cloud instance separately in the **Cloud** property pane using the **Width** property. Previously, this setting could only be set for the entire model using the `XS_ARC_WIDTH_OF_CLOUD` advanced option. This advanced option has been hidden from the Tekla Structures user interface.

TTSD-72769, TTSD-72464, TTSD-72994

Other improvements in sketch objects

- **Improved status bar messages**: The short instructions on the status bar have been improved to better explain the steps needed to use the drawing editing tools and to give you more feedback.

  TTSD-71262, TTSD-71273

- **Exclusion of mouse position in final shape**: The creation of sketch objects based on multiple clicks has been improved so that the mouse position is not included in the created shape when you click the middle mouse button or press **Enter** to complete the creation of the sketch object, such as a polyline.

  Previously, an extra point was added at the location of the mouse pointer when the middle mouse button was clicked.

  TTSD-72006

New Tekla Structures built-in Text editor

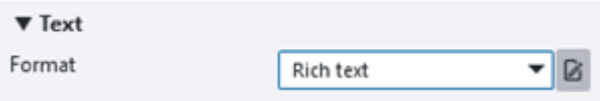
Both the **Text** object and the **Text file** object (previously **Rich text**) now allow using the new built-in **Text editor** for creating and editing of text content.

Open full Text editor

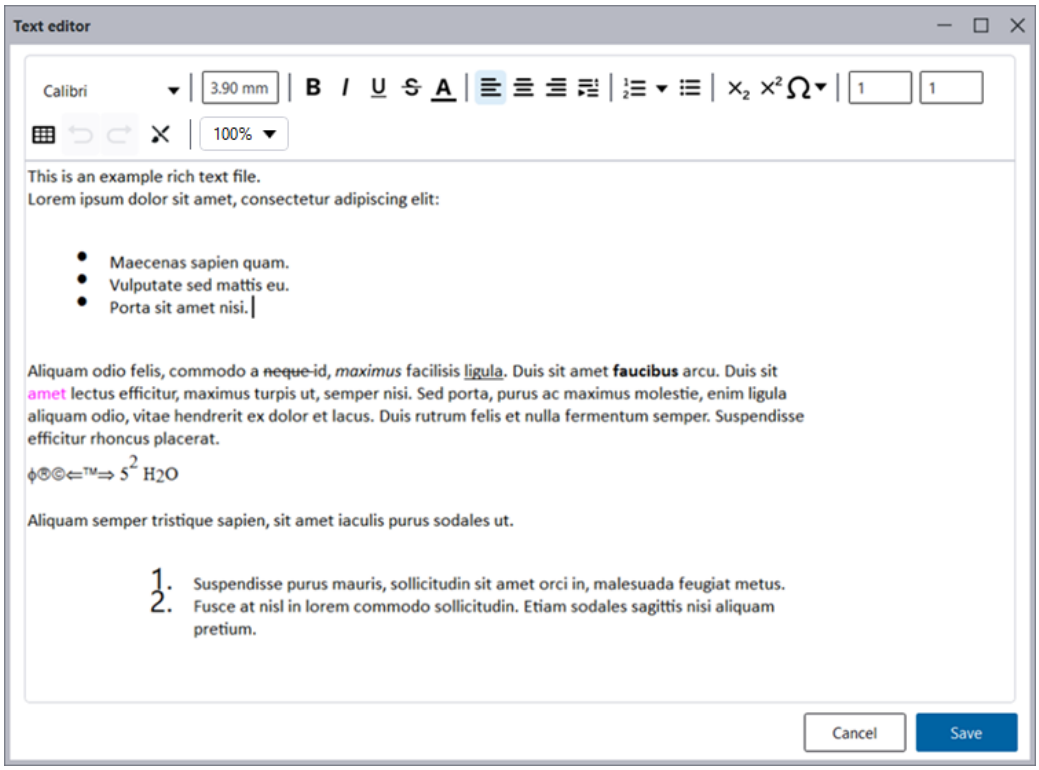
- **Text file objects**: In the **Text file** property pane, click the plus button and either link to an existing file or create a new file, and then open the linked file by clicking **Edit file**.

  New files are by default saved in the current model folder, but you can change the location.

- **Text objects**: After adding the text in the drawing, in the **Text** property pane, click the **Open full text editor** button next to the **Format** list.



- Once you have added the text in the drawing, you can also open it in the full **Text editor** by double-clicking the added text.



How it works

- The toolbar contains all basic rich text formatting options, and you can also add character symbols. All toolbar controls have informative tooltips. The controls are the same for **Text** objects and **Text file** objects, except that you cannot create tables in **Text** objects.
- You can change the zoom level by holding down the **Ctrl** key and scrolling the mouse wheel, or using the zoom level control on the toolbar.
- For **Text** objects with rich text content, if the text content limit is exceeded, a red border appears around the **Text editor** window, displaying the message: "Text content limit exceeded. Please reduce the amount of text to save changes."
- When you save the edited and formatted text in the full **Text editor**, the **Text editor** closes, and the linked text file or the text in the **Text** property pane is updated.
- You can open, edit, and save plain text files (`.txt`) in the full **Text editor**, but you cannot apply any rich text formatting to those.
- The rich text files (`.rft`) no longer need to be created in Microsoft WordPad as you can create them directly with Tekla Structures.
- You can set the new advanced option XS_DRAWING_TEXT_FILE_OBJECT_USE_EXTERNAL_EDITOR to `TRUE` to always use the associated external application for viewing and editing the `.txt` and `.rft` files rather than the Tekla Structures built-in text editor. The

default value is `FALSE`, which means that the Tekla Structures built-in text editor is used. `FALSE` is the recommended setting to ensure you create Tekla Structures compatible `FALSE` content.

Limitation

The `.rft` files created or modified in Tekla Structures 2026 or newer cannot be used in older Tekla Structures versions as they will not be compatible and no content will be displayed.

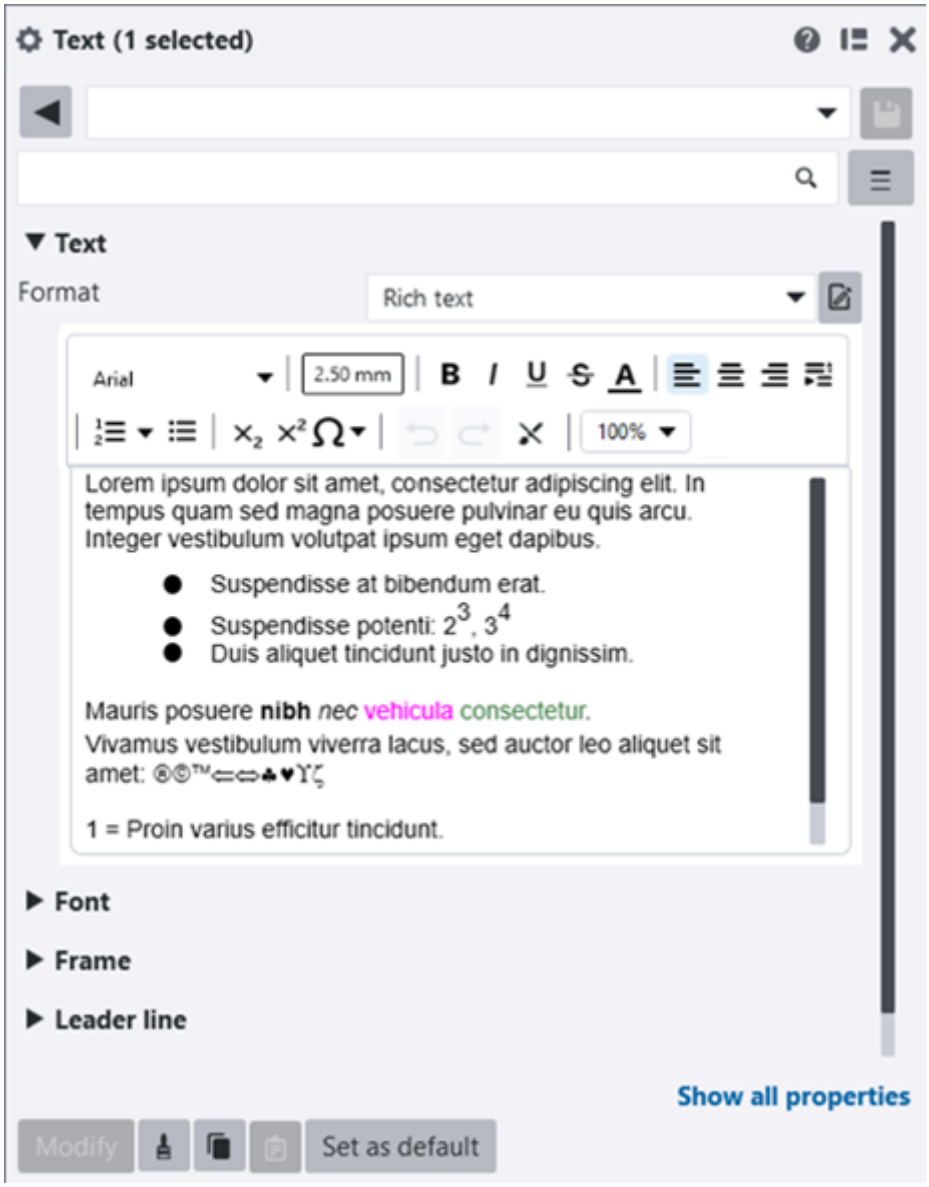
STP-593, TTSD-74966

Rich text support for Text objects

In addition to plain **Text** objects, you are now able to produce **Text** objects with rich text content directly in your drawings, without having to use external rich text files.

- To apply rich text formatting in **Text** objects, select the **Text** command from the drawing property pane object list and select the **Rich text** option from the **Format** list in the **Text** property pane. You can then apply the rich text

formatting directly in the property pane text editor using the formatting toolbar.



- The **Plain text** option allows you to enter plain text without formatting.
- The **Text** property pane toolbar contains the same controls as the full **Text editor**.
- If the text content limit is exceeded, a red border appears around the editor window with an exclamation mark. When you hover over the exclamation mark, the tooltip "Text content limit exceeded. Please reduce the amount of text to save changes." appears.

STP-593

Text objects - Recover lost text changes

You can now recover lost text changes in drawing **Text** objects using the new **Recover changes**  button.

This improvement was first introduced in Tekla Structures 2025 SP1.

TTSD-69225, TTSD-68443

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Add the dedicated tab for sketching tools to the ribbon

If you have customized the ribbons, update your customized ribbon to the dedicated tab for sketching tools.

1. Add the new tab **Sketching** tab:
   - **Add ribbon item**: **Tab**
   - **Text**: `Sketching`
2. Move these buttons from the **Drawing** tab to the **Sketching** tab:
   - **Line**
   - **Polyline**
   - **Rectangle**
   - **Polygon**
   - **Circle**
   - **3 point circle**
   - **Arc**
   - **3 point arc**
3. Add a vertical separator to the right of these buttons:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Vertical**
4. To the right of the separator, add the new **Insulation** button to the **Sketching** tab:
   - **Add ribbon item**: **Simple button**
   - **Command**: `Shapes.DrawHatchline`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Short text**

5. Add a vertical separator to the right of the **Insulation** button:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Vertical**
6. Move these buttons from the **Drawing** tab to the right of the separator on the **Sketching** tab:
   - **Trim or extend**
   - **Copy with offset**
   - **Cut part lines**
   - **Divide by n**
   - **Split**
   - **Straight chamfer**
   - **Round chamfer**
   - **Fillet**
   - **Combine**
   - **Explode**
7. Add a vertical separator to the right of the **Explode** button:
   - **Add ribbon item**: **Separator**
   - **Appearance**: **Orientation**: **Vertical**
8. Move these buttons from the **Drawing** tab to the right of the separator on the **Sketching** tab:
   - **Cover-up line**
   - **Cover-up polyline**
   - **Cover-up rectangle**
   - **Cover-up polygon**
9. Arrange and resize the buttons on the **Sketching** tab so that they have this layout:

10. Save the changes.

    The new ribbon configuration file is saved to `..\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
11. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

Add a hatch pattern for the Insulation sketch object

If you use a customized environment, add the new hatch pattern that represents soft insulation to the `hatch_types1.PAT` file:

```
*SOFT INSULATION,

15.110989,26.505,25.092,-209.303509692,8.880015003,12.33,-516.923372264
15.110989,75.69,2.097,-209.303509692,8.880015003,9.9,-519.353372264
25.991447,38.403,28.305,-112.009672471,3.444901237,28.233,-1336.037718515
41.990007,85.248,4.68,30.767554237,34.182818635,9.9,-127.58947786
69.678693,92.601,11.304,43.127854876,15.971713037,9.9,-284.356344019
90,6.147,-2.412,0,102.190638456,4.824,-41.166297711
110.321307,9.585,34.299,-43.127854876,15.971713037,9.9,-284.356344019
138.009993,16.947,27.675,-30.767554237,34.182818635,9.9,-127.58947786
154.008553,63.783,5.31,112.009672471,3.444901237,28.233,-1336.037718515
164.889011,26.505,25.092,209.303509692,8.880015003,9.9,-519.353372264
164.889011,75.69,2.097,209.303509692,8.880015003,12.33,-516.923372264
195.110989,26.505,20.898,-209.303509692,8.880015003,9.9,-519.353372264
195.110989,75.69,43.893,-209.303509692,8.880015003,12.33,-516.923372264
221.990007,16.947,18.315,30.767554237,34.182818635,9.9,-127.58947786
249.678693,9.585,11.691,43.127854876,15.971713037,9.9,-284.356344019
270,96.039,25.407,0,102.190638456,4.824,-41.166297711
290.321307,92.601,34.686,-43.127854876,15.971713037,9.9,-284.356344019
318.009993,85.248,41.31,-30.767554237,34.182818635,9.9,-127.58947786
344.889011,26.505,20.898,209.303509692,8.880015003,12.33,-516.923372264
344.889011,75.69,43.893,209.303509692,8.880015003,9.9,-519.353372264
```

3.6 Improvements in reinforcement in drawings

You can now include rebar marks within rebar dimension marks by adjusting the rebar dimension mark properties. The `rebar-config.inp` file has new settings for bending radius, and you can drag associativity points of merged rebar mark leader lines. Improvements have been made in pull-out pictures to display bending radius symbols and labels, to include cross bars in the pull-out pictures of rebar meshes, and to include longitudinal bars in bent mesh dimensions.

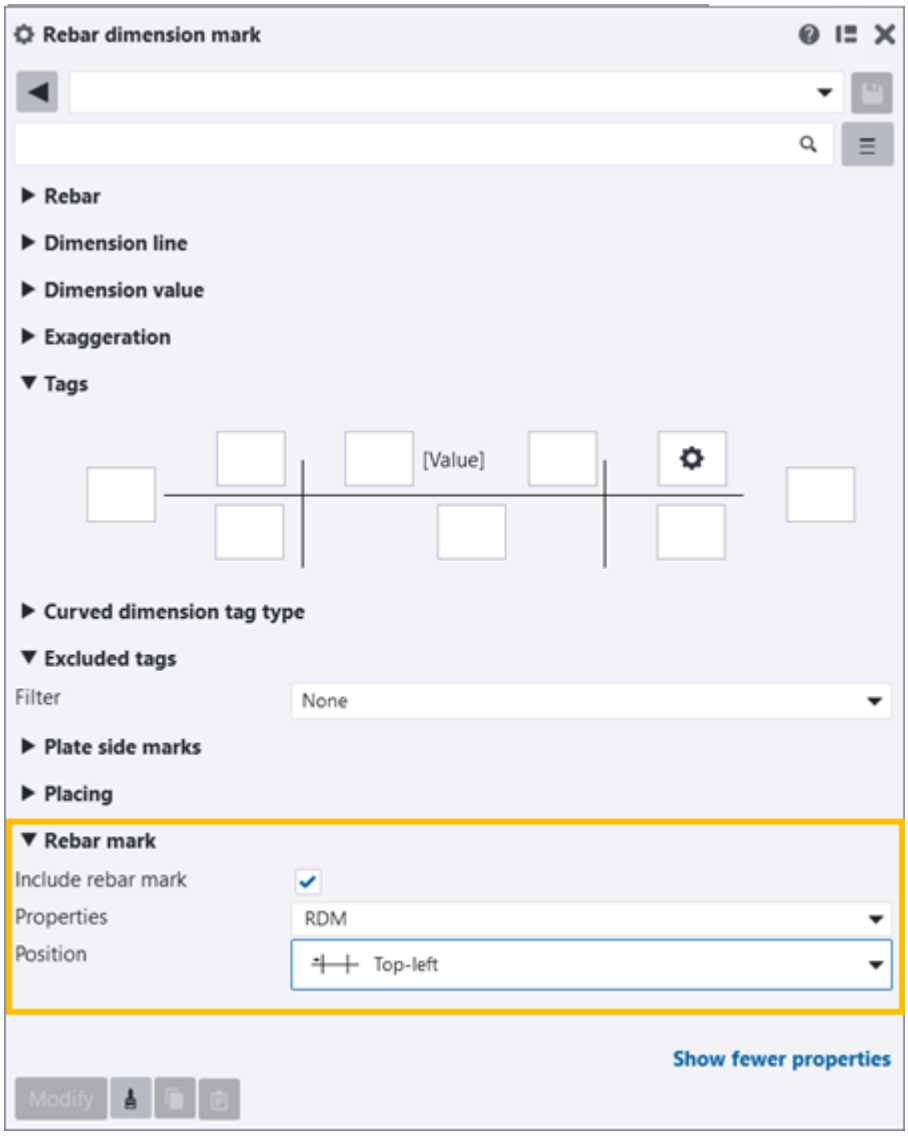
Include rebar marks in rebar dimension marks

You can now include rebar marks directly within rebar dimension marks by adjusting the rebar dimension mark properties, streamlining the production of rebar drawings and ensuring compliance with industry standards.

In this new feature, rebar marks are associated with the rebar dimension marks. Consequently, the rebar marks will automatically adjust their position whenever the rebar dimension mark is moved.

Previously, rebar marks and rebar dimension marks had to be created and modified separately, which was time consuming.

New settings for rebar marks have been added to the **Rebar dimension mark** property pane, allowing you to include rebar marks when creating or modifying a rebar dimension mark.



- To include rebar marks in rebar dimension marks, select the **Include rebar mark** checkbox and select the rebar mark property file that you want to use for creating the marks.
- You can position rebar marks in relation to the rebar dimension mark by selecting an option from the **Position** list. The options are:

  Manual

  Top-left

  Middle-left

  Bottom-left

Top-center

Bottom-center

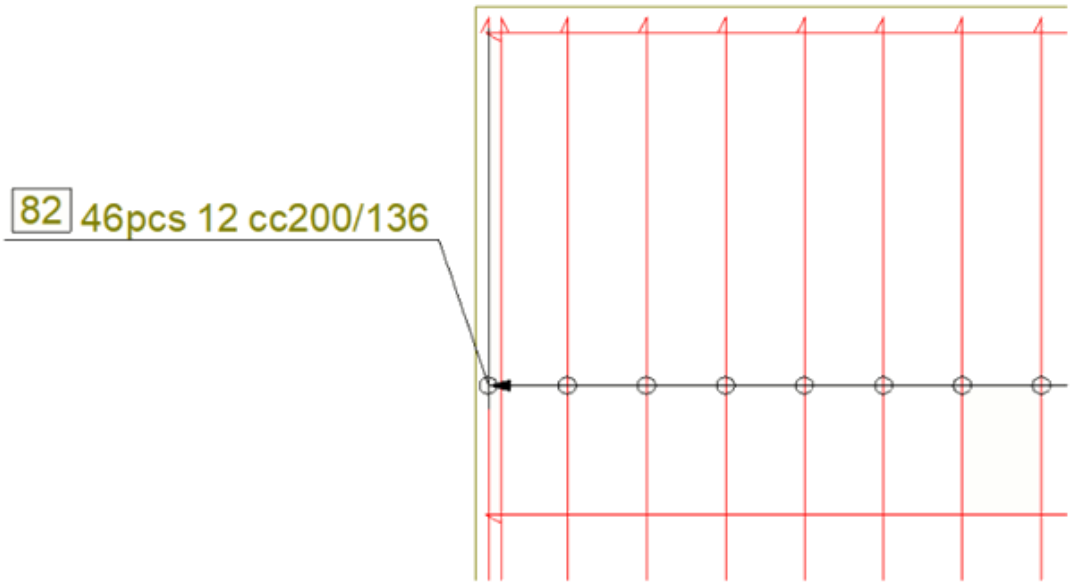
Top-right

Middle-right

Bottom-right

- You can manually drag the mark to any location, and it will retain its association with the rebar dimension mark. When you do this, the **Position** option changes automatically to **Manual**, indicating that the rebar mark is no longer restricted to a fixed position.

Below is an example where the **Top-left Position** option has been selected.



Notes and limitations

- If the rebars in the drawing already have separately created rebar marks, the **Include rebar mark** option does not work. You must first delete the existing rebar marks before creating new rebar marks using the **Include rebar mark** option in the **Rebar dimension mark** properties.
- If you move the rebar dimension mark outside the bar solid, the rebar mark loses its adaptivity with the related rebar dimension mark. When you move the rebar dimension mark back inside the bar solid, the rebar mark will get back its adaptivity with the rebar dimension mark again.

TTSD-69109, TTSD-72569, TTSD-72568

Drag merged rebar mark leader line associativity point

For merged rebar marks with a single leader line, you can now drag the mark leader line associativity point to another location. Previously, dragging was disabled.

This improvement was already introduced in Tekla Structures 2025 SP1.

TTSD-24079

New settings for bending radius in rebar_config.inp

There are two new parameters, `PullOutBendingRadiusDimensionUnit` and `PullOutBendingRadiusPrefix`, in `rebar_config.inp`:

- **PullOutBendingRadiusDimensionUnit**: `PullOutBendingRadiusDimensionUnit` defines the unit to be used in the bending radius text in the pull-out. The options are:

  0 = auto

  1 = mm

  2 = cm

  3 = m

  4 = inch

  5 = foot and inch

  6 = cm or m

  If `PullOutBendingRadiusDimensionUnit` is not set, mm is by default used for metric and inch for imperial. If `PullOutBendingRadiusAsMultiplier` is set to 1, it takes precedence, and `PullOutBendingRadiusDimensionUnit` has no impact.

- **PullOutBendingRadiusPrefix**: `PullOutBendingRadiusPrefix` defines the prefix to be used in the bending radius text in the pull-out. If it is not set, it will be defaulted to `dBR=`. If it is set to be empty, no prefix will be output.

The format and precision of the radius dimensions are defined by the existing settings in `PullOutDimensionFormat` and `PullOutDimensionPrecision`.

TTSD-71870

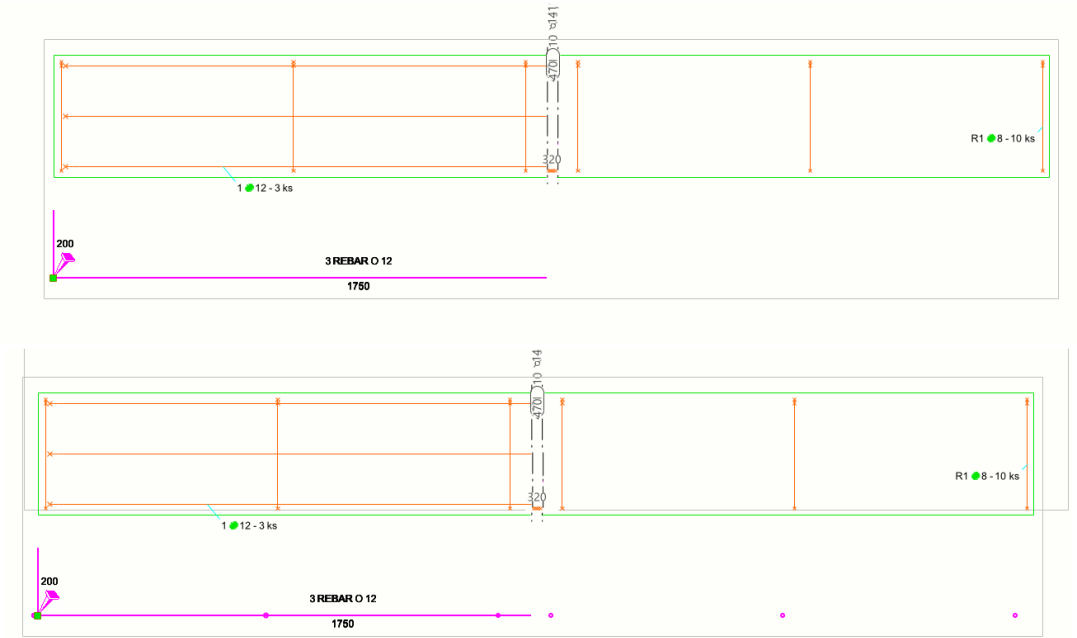
Improvements in rebar pull-out pictures

Include cross bars in pull-out pictures

Rebar pull-out picture and marking: A new setting, **Create cross bar marks**, has been added in **Presentation options** on the **Rebar** tab to include cross bars in the pull-out pictures of rebar meshes. The options are **Yes** and **No**.

Draw rebar pull-outs: The new setting **Create cross bar marks** will also be used in pull-out pictures created with the **Draw rebar pull-outs** tool if you have selected to create the bending shapes on the basis of the saved **Rebar pull-out picture and marking** configuration file and have set **Create cross bar marks** to **Yes** in the selected configuration file.

In the example drawing below, the upper drawing view shows the rebar with the new **Create cross bar marks** option set to **No**. The lower drawing view shows the rebar with the new option set to **Yes**, and you can see the crossing rebars as small circles.

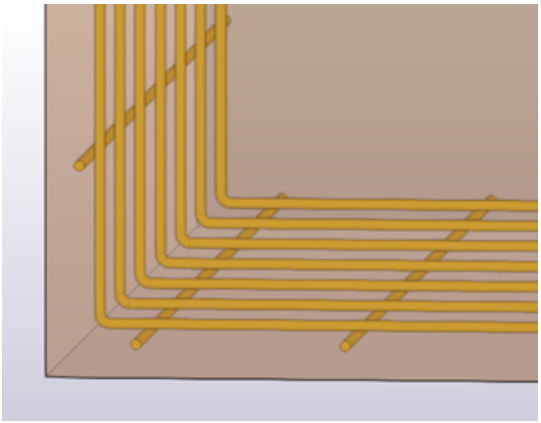


TSAC-9238, TSAC-7315

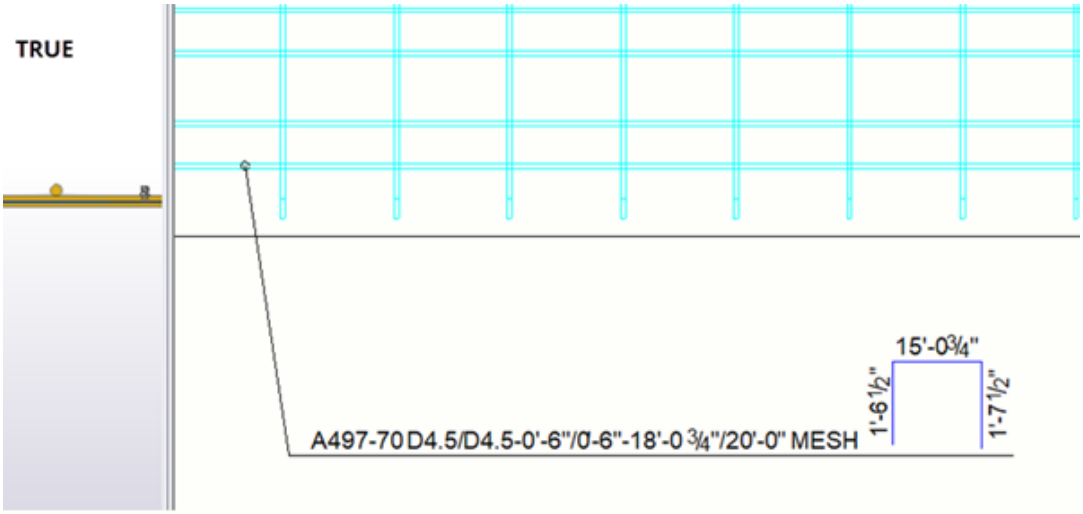
Include longitudinal bars in bent mesh dimensions in pull-out pictures

A new advanced option, XS_REBAR_BENT_MESH_PULLOUT_DIMENSIONS_INCLUDE_LONGITUDINAL_BARS, has been added to control whether longitudinal bars are taken into account in the dimensions shown in a rebar pull-out picture for a bent mesh. Set this advanced option to `TRUE` to take into account the longitudinal bars, and `FALSE` to ignore them. `TRUE` is the default value. This advanced option affects pull-out pictures in marks and templates.

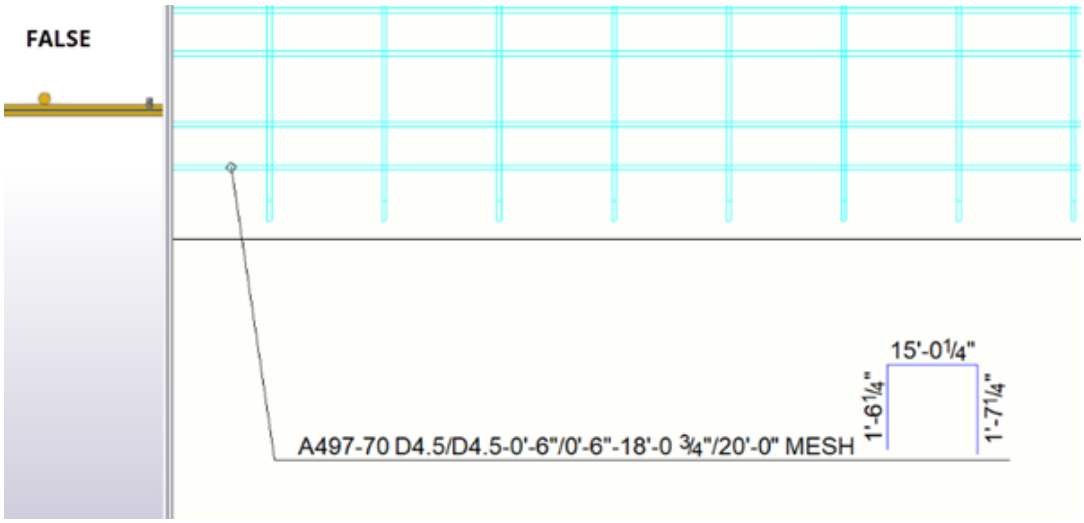
Below is an example of a bent mesh, which has longitudinal bars outside of crossing bars. Now the longitudinal bars are taken into account in pull-out picture dimensions.



In the example below, longitudinal bars are taken into account in dimensions.



In the example below, longitudinal bars are not taken into account in dimensions.



TTSD-74429

Showing bending radius symbol and label in pull-out pictures

Rebar pull-out pictures now use the standard tie/stirrup bending radii from the rebar catalog to determine if the bending radius symbol and label should be shown: When the bending radius equals the tie/stirrup radius value, the symbol and label are not shown. For all other radius values, the symbol and label are shown. Previously, hard-coded values were used instead of the values from the rebar catalog.

TTSD-72954

3.7 Enhancements in drawing colors and lines

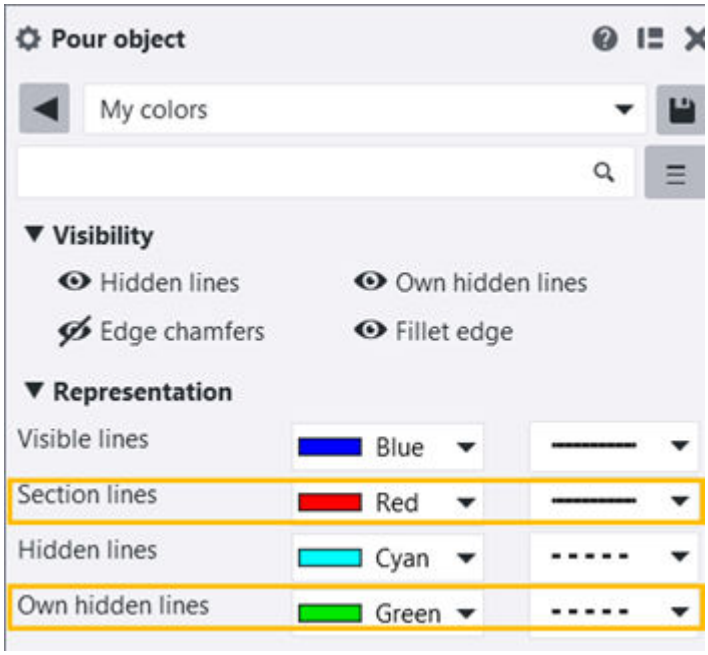
In Tekla Structures 2026, enhancements in object colors and line types were further continued to better meet the related industry standards and regulatory requirements. You can now define the color and line type for section lines and own hidden lines in pour objects in the object, view, and drawing level properties. Additionally, you can set a fill color for filled rebar and mesh lines.

New controls for setting color and type of section lines and own hidden lines in pour objects

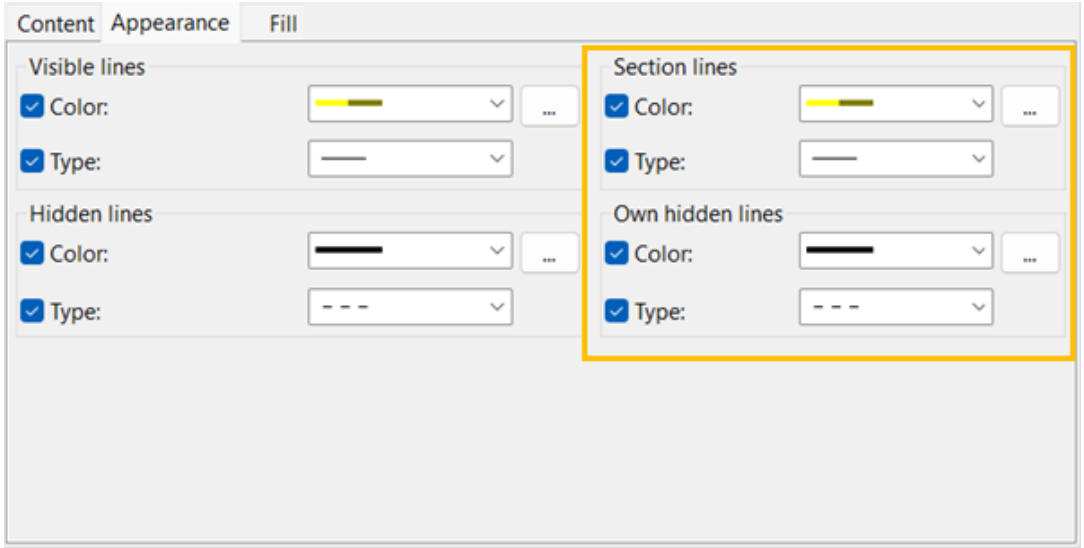
You can now control the color and type of section lines and own hidden lines for pour objects in all drawing types through the object and view level properties. In general arrangement drawings, you can also control these properties through the drawing level properties. The new settings, **Section**

lines and **Own hidden lines**, support both standard colors and custom RGB colors.

The new line controls in the **Pour object** properties in the property pane:



The new line controls in the pour object properties on the view and drawing level:



Previously, only the color and type of visible lines and hidden lines in pour objects could be adjusted.

The new pour object line controls were already introduced in the **Pour object** property pane in Tekla Structures 2025 SP2.

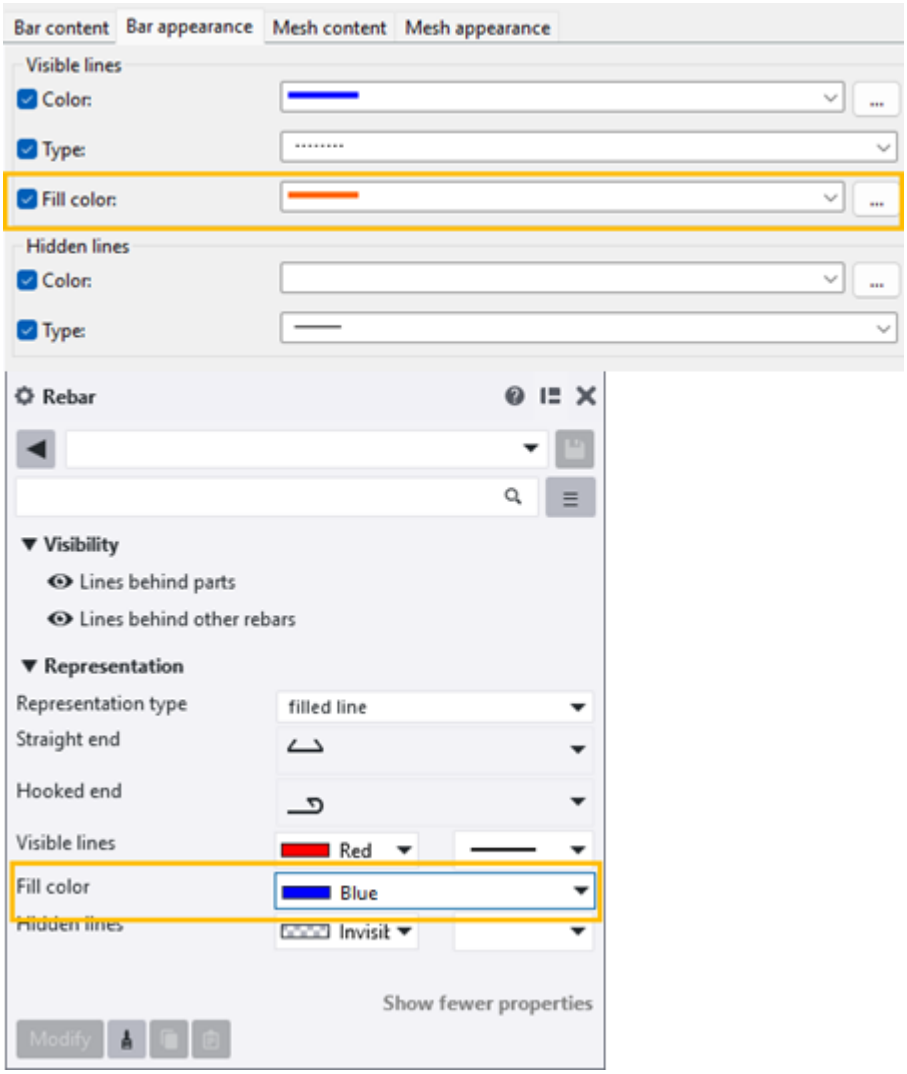
TTSD-69337, TTSD-69338

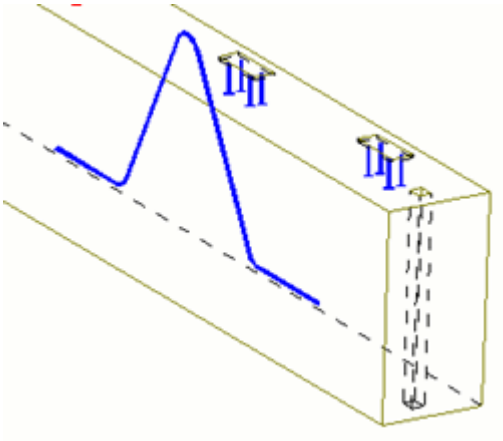
New control for setting fill color for filled rebar and mesh lines

Fill color has been added as a setting for filled rebar and mesh lines in the following dialogs and property panes:

- On the **Bar appearance** and **Mesh appearance** tabs in the reinforcement and neighbor reinforcement properties in GA drawings on the drawing and view level
- On the **Bar appearance** and **Mesh appearance** tabs in the reinforcement and neighbor reinforcement properties in cast unit drawings on the view level
- In the **Rebar** and **Rebar mesh** property panes

The **Fill color** setting is available if you have selected **filled line** as the representation type for the rebar or rebar mesh. You can use a standard color or a custom RGB color.





TTSD-70581, TTSD-65784

3.8 Other improvements in drawings

Tekla Structures 2026 also contains improvements in **Document manager** messages, automatic view dimensioning, defining drawing sizes and drawing frame margins and colors, **Drawing content manager** categories, CIP continuous material visibility, associativity symbols, reference model visibility, detailed object level settings, and log locations.

Document manager

Some messages displayed in the **Changes** column in **Document manager** were updated to be more concise and in line with other **Document manager** messages:

Drawing cloned (earlier: Drawing was cloned)

Drawing cloned from cloud [earlier: Drawing was cloned from cloud)

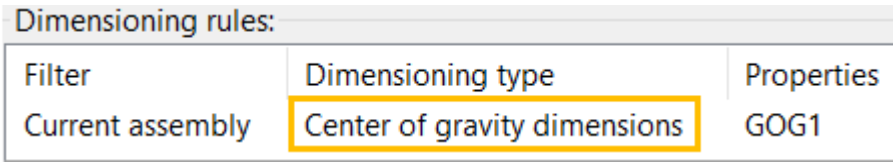
Drawing updated (earlier: Drawing was updated)

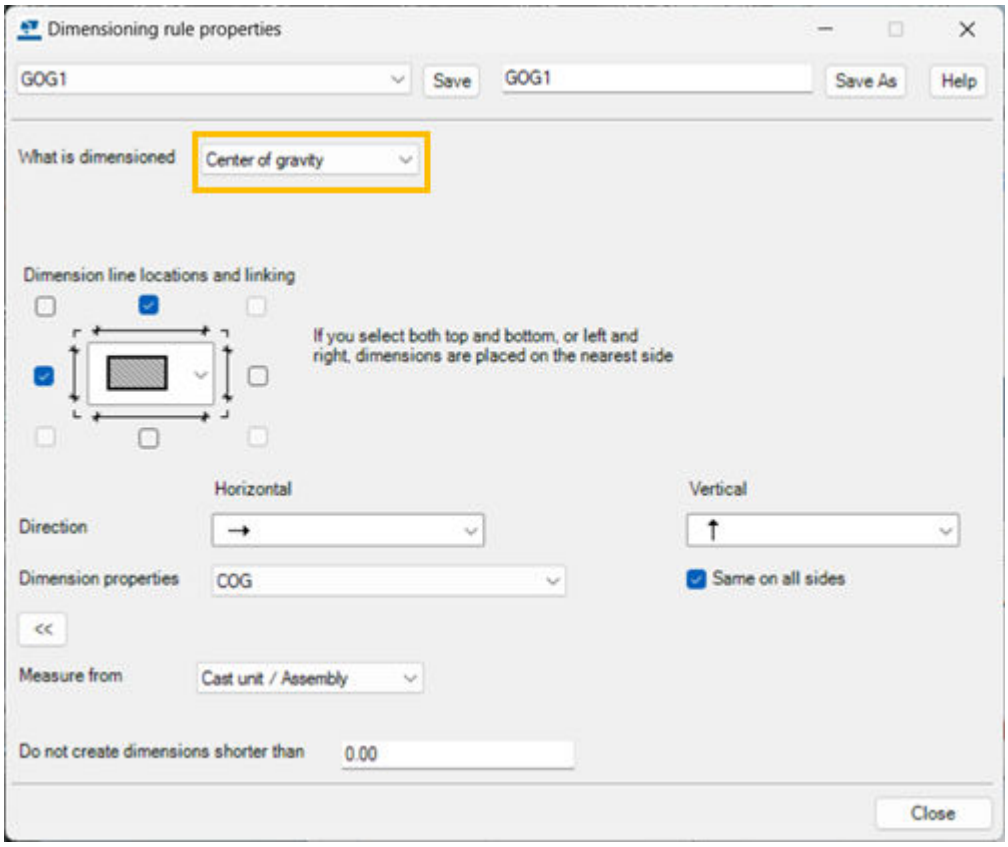
TTSD-67170

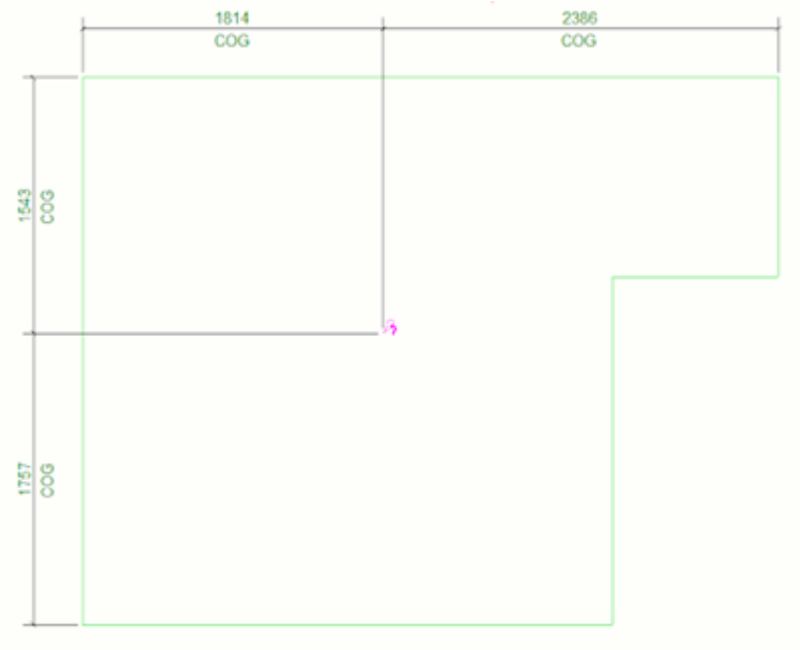
Enhancements in dimensioning

New dimensioning type in automatic view dimensioning - Center of gravity dimensions

Tekla Structures 2026 provides a new rule-based dimensioning type, **Center of gravity dimensions**, in the view-specific dimensioning. Now you can create dimensions indicating the center of gravity automatically in your fabrication drawings.





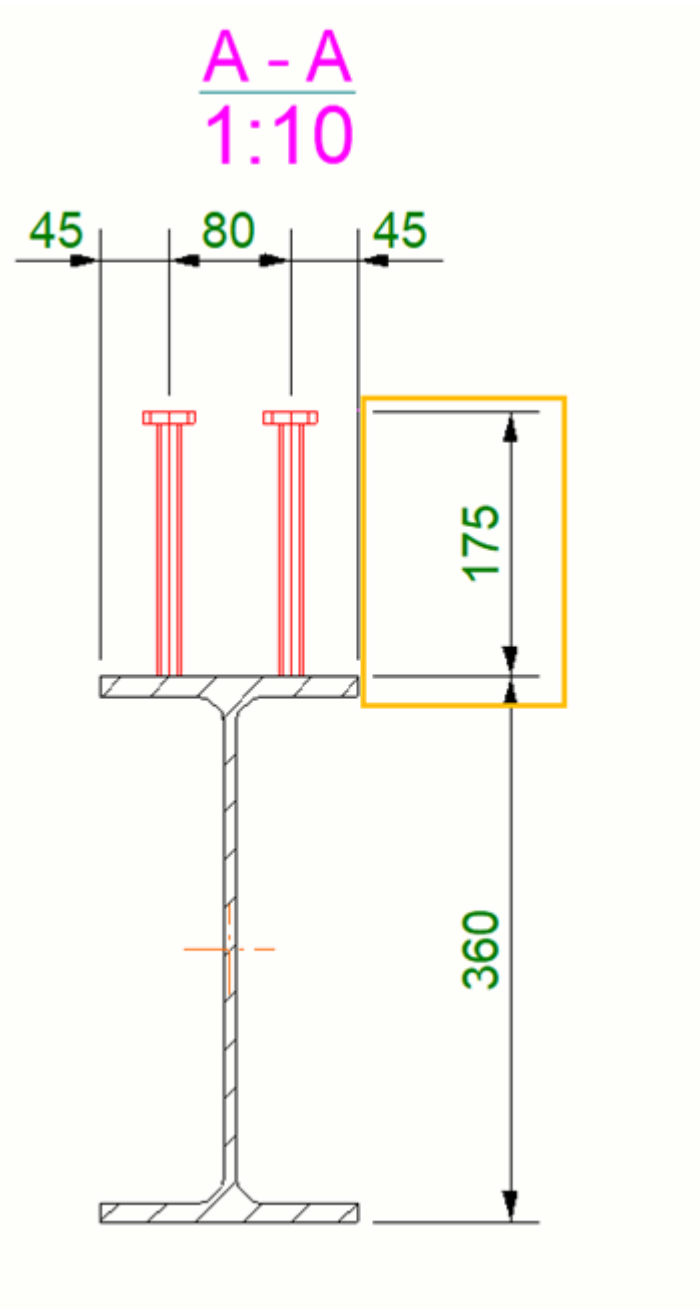


This improvement was already introduced in Tekla Structures 2025 SP2.

TSAC-8713

Bolt size dimensioned in view-specific dimensioning

When you dimension bolt groups using the **Filter** dimensioning type, the bolt groups are now dimensioned not only by bolt positions but also by bolt size.

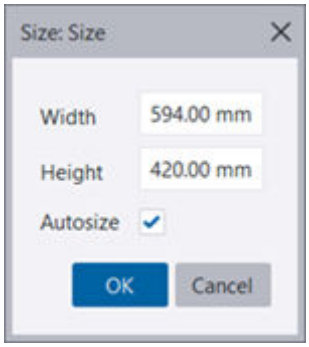


TSAC-8890

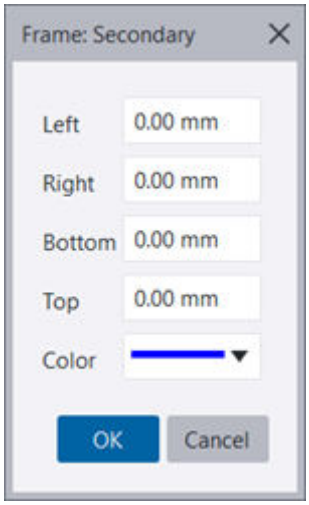
Drawing Layout editor - New dialogs for defining drawing sizes and frame margins

The **Drawing size settings** dialog now allows you to:

- Add or edit drawing sizes using a dedicated dialog. Right-click a drawing size row and select **Edit** to open the dialog, then enter the values. If necessary, select **Autosize**.



- Define frame margins and colors using a dedicated dialog. Right-click a frame row and select **Edit** to open the dialog, then enter the values and select the color.



This improvement was already introduced in Tekla Structures 2025 SP4.

TTSD-71227, TTSD-50381

Surface treatments in Drawing content manager

Drawing content manager has a new building object category: surface treatments. You can now easily define and manage marks for painting and coating surfaces, and check if the surface treatments have all the marks, and easily add or remove marks.

TTSD-73166

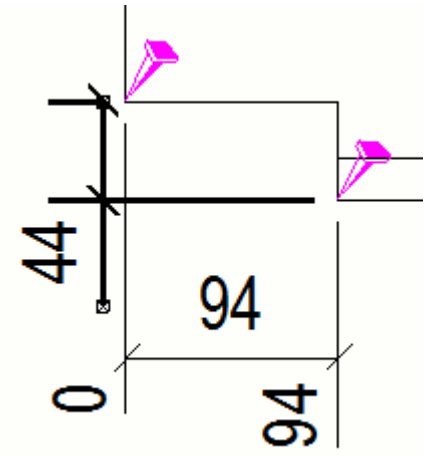
CIP Continuous material to use correct solid in drawings

If a continuous material part has an edge chamfer, the edge chamfer will always be visible in the drawings as well. Similarly, the inner loops (holes) are always visible in the drawings, regardless of the part settings **Outline** or **Exact**. The solid clipping operation is defined only for those solid forms that include these settings.

TTSD-74077

Consistent associativity symbol size

The associativity symbol is now drawn in screen coordinates. Previously, the symbol size changed when you zoomed, now it stays the same.



TTSD-72111

Reference models visible in drawings

All reference models are now visible in the **Reference objects** list in the **Reference object** section of the drawing view properties. Previously, some reference models were sometimes disappearing from the list and could not be shown in drawings.

This improvement was already introduced in Tekla Structures 2025 SP5.

TTSD-69406

Detailed object level settings

View-level detailed object level settings did not work correctly if the drawing-level detailed object level settings were turned off. This issue has now been fixed.

For more information, see Create and apply detailed object level settings.

This improvement was already introduced in Tekla Structures 2025 SP6.

TTSD-73541

Location change for drawing, cloning, and printing logs

- The printing log file, `DPMPrinter_<print_job>.log`, is now saved in the application data log folder in `%LocalAppdata%\Trimble\Tekla Structures\<version>\Logs`. Earlier, this log was saved in the current model folder.

  TTSD-69883

- The `drawing_cloning.log` and `drawing_history_log` are now saved in the `\logs` folder under the current model folder. Earlier, these logs were saved in the model root folder.

  TTSD-70361

4 What's new in connected workflows in Tekla Structures 2026

- Integrated Trimble Connect property sets
- Upload PDF drawings directly to Trimble Connect
- Import from Tekla Structural Designer using remote connection
- Publish Tekla Structures models to Tekla Structural Designer (Preview)
- Integration with Autodesk Revit (Preview)
- Improvements in Tekla PowerFab Connector
- Improvements in Live Collaboration for Tekla Structures (Preview)

4.1 Integrated Trimble Connect property sets

In Tekla Structures 2026, you can utilize accurate, up-to-date property data from the construction site or factory through the integrated Trimble Connect property sets.

Synchronize and manage property sets from Trimble Connect in Tekla Structures. Use the property set data in filters, reports, templates, marks in drawings, such as in part marks, Organizer, and IFC exports similar to regular template attributes, to enhance the project data utilization and to track project progress. Any changes made to the property sets in Tekla Structures are automatically synchronized with Trimble Connect and all other property set service clients. Property set properties can be associated with model objects either in Tekla Structures or Trimble Connect. Note that the property set date field is not working as expected at the moment. This affects IFC export, drawings, filtering, and the project status visualization tool. The date field works correctly with reports, IFC4, and Organizer.

Prerequisites for using property sets in Tekla Structures

- Your Tekla Structures model needs to be linked to a Trimble Connect project.
- You need to have the property sets defined in property set libraries in Trimble Connect.

Open the Property sets side pane

In Tekla Structures, on the **Trimble Connect** ribbon tab, click the  **Property sets** button to open the **Property sets** side pane window.

Use the side pane window to add or edit the property sets. Any changes made in Tekla Structures are automatically synchronized with Trimble Connect. Tekla Structures and Trimble Connect use the same property set service, enabling synchronized property set data in all applications that are using the property sets.

In Tekla Structures, the synchronization happens automatically when you open Tekla Structures or a Tekla Structures model, or when something has been changed in Trimble Connect. If a property set value is modified in Trimble Connect or in other property set service clients, the value is automatically cached in Tekla Structures. This enables the usage of accurate property set data in Tekla Structures. To synchronize the property set data manually, click the  button.

Cache file for property set data

The property set data is stored in a local cache file, `PropertySetCache.LUMO`, which is created during the initial synchronization process and is located in the Tekla Structures model folder.

Once the local cache is created, it is automatically updated with the latest changes during subsequent synchronizations. If the cache file is deleted or does not exist, clicking the  button recreates it.

Use property set data in Tekla Structures

In Tekla Structures, you can use the property set data in several ways, similar to how you would use regular template attributes or user-defined attributes (UDAs).

For example, use the property set data in following ways:

- In filtering: create selection filters or view filters based on property data.
- In reporting: generate reports using property data, such as fabrication or shipping status.
- In drawings: add property data, for example, to part marks, associative notes, and drawing templates.
- In IFC export: include the property set properties when exporting models for external stakeholders.

Syntax for property set data in Tekla Structures

Use the property set data in filters, reports, templates, marks in drawings (such as part marks), Organizer, and IFC exports. Ensure that the property sets use the following syntax:

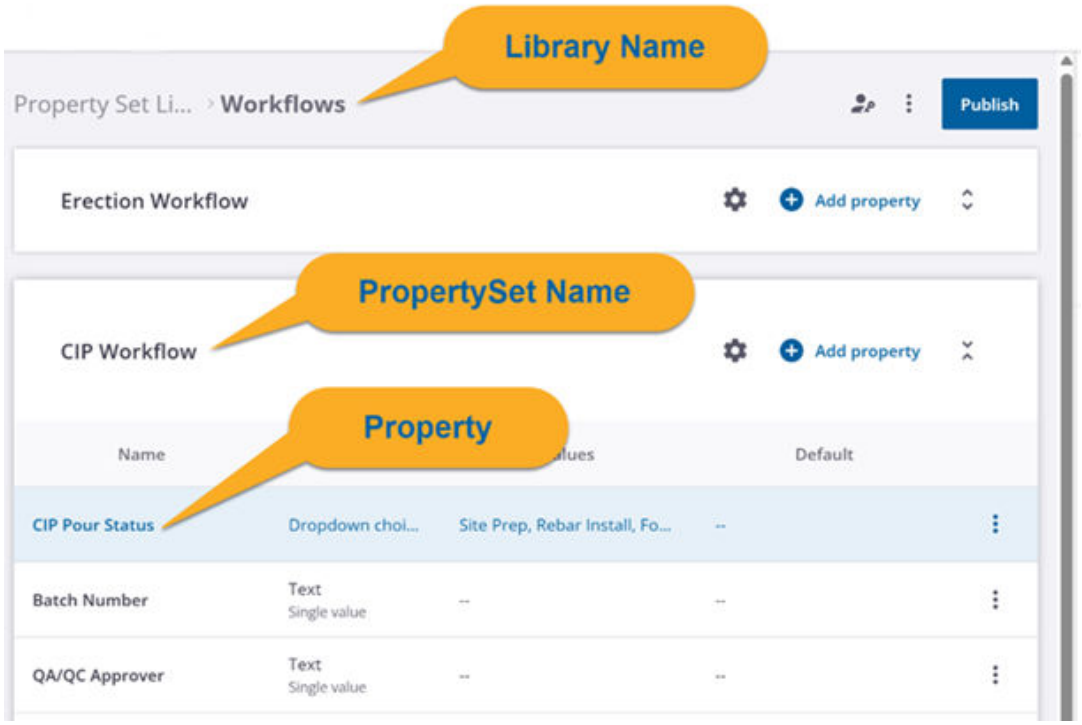
- For parts: `PSET.<LibraryName>.<PropertySetName>.<Property>`

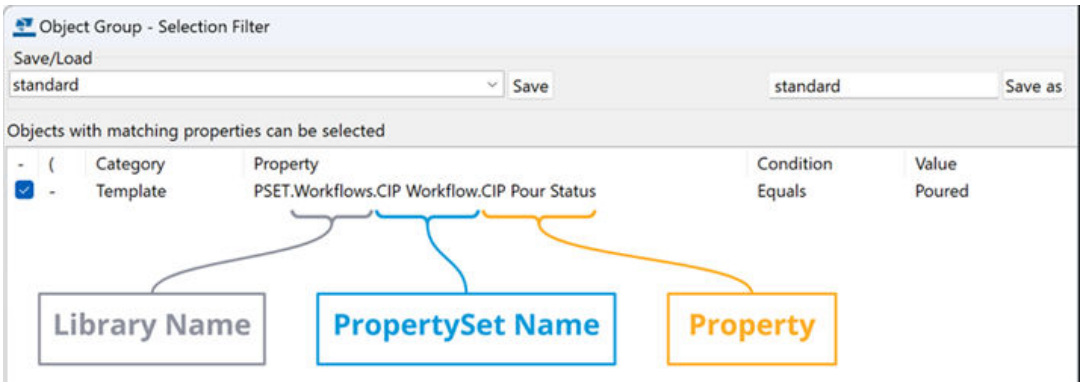
  Note that the `<LibraryName>` is optional, but `<PropertySetName>` and `<Property>` are mandatory.

- For assemblies: `ASSEMBLY.PSET.<LibraryName>.<PropertySetName>.<Property>`
- For cast units: `CAST_UNIT.PSET.<LibraryName>.<PropertySetName>.<Property>`

  Adding `ASSEMBLY` or `CAST_UNIT` prefix allows you to use the property sets on the assembly or cast unit level.

  Follow the regular template attribute syntax and use the property set data in cases where you would typically use UDAs or template attributes.





TTCEX-415

If you are a Tekla Structures administrator

If you manage Tekla Structures settings for other users, update customized settings for users.

Update the ribbon for integrated Trimble Connect property sets

If you have customized the ribbon, update your customized ribbon to add the new **Property sets** button.

1. On the tab, add the new **Property sets** button between the existing **BCF Topics** and **Status Sharing** buttons.
   - **Add ribbon item**: **Simple button**
   - **Command**: `TrimbleConnect.PropertySets`
   - **Appearance**: **Command: Scalable icon**
   - **Text**: **Command: Short text**
2. Save the changes.

   The new ribbon configuration file is saved to `C:\Users\<username>\AppData\Local\Trimble\Tekla Structures\2026.0\UI\Ribbons`.
3. Move the file to the `Ribbons` sub-folder in a folder that is in the XS_SYSTEM path.

4.2 Upload PDF drawings directly to Trimble Connect

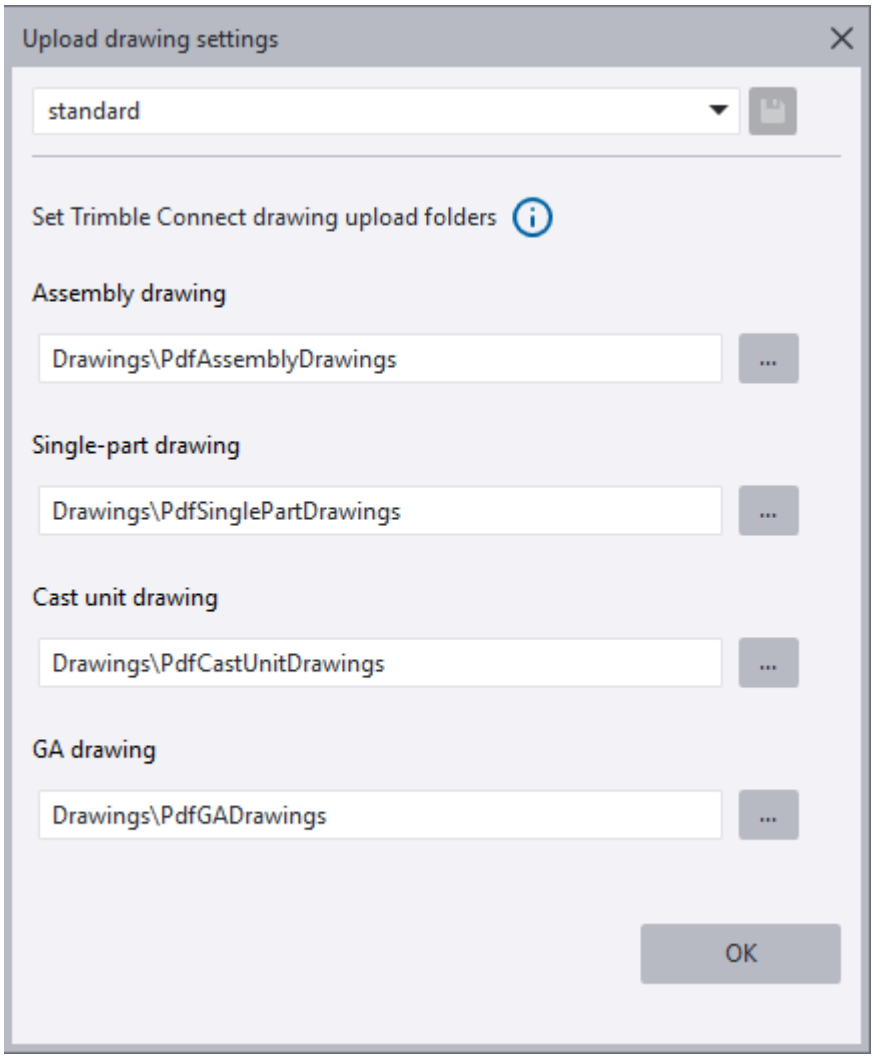
In Tekla Structures 2026, you can now upload PDF drawings directly from Tekla Structures to Trimble Connect with accurate metadata, preventing outdated drawings from being used. When you print drawings, you can automatically upload them with the option to link PDFs directly to the corresponding parts and assemblies in the Trimble Connect model, and store drawings

alongside the model objects. The shop and field crews can easily access the latest drawings on a tablet, right next to the actual object they are working on, ensuring that they always have the most up-to-date information. This prevents version control issues where shop or site teams might accidentally use outdated printed drawings. Additionally, API integrators can use the drawing metadata, such as title and revision, to reduce manual data entries and streamline processes. Note that while this metadata is accessible, some effort will be required to integrate it effectively into specific workflows.

As a prerequisite, your Tekla Structures model needs to be linked to a Trimble Connect project. See instructions here: Link a Tekla Structures model to a Trimble Connect project.

1. Start by setting up the drawing upload folders that will be used in Trimble Connect. You can set the folders separately for each drawing type.
   a. Go to **File** --> **Trimble Connect** --> **Upload drawing settings**.

      The **Upload drawing settings** dialog opens.



b. Click **...** to open the **Folder browser** dialog. Browse for the folder you want to use for the drawing upload, or click  to create a new folder.

   Alternatively, you can enter the folder path, and a folder is created automatically.

   You can upload assembly drawings, single-part drawings, cast unit drawings and general arrangement drawings.

c. Repeat this for all drawing types, if needed. Click **OK**.

d. If needed, you can save the set folder locations to an attribute file. The file extension is `TCDrawingSettings.xml`, and the file is stored in the `model folder\attributes` folder.

e. When you have set the folders, click **OK** to close the **Upload drawing settings** dialog.

2. To upload the PDF drawings to Trimble Connect, go to **Drawings & reports** --> **Document manager**.

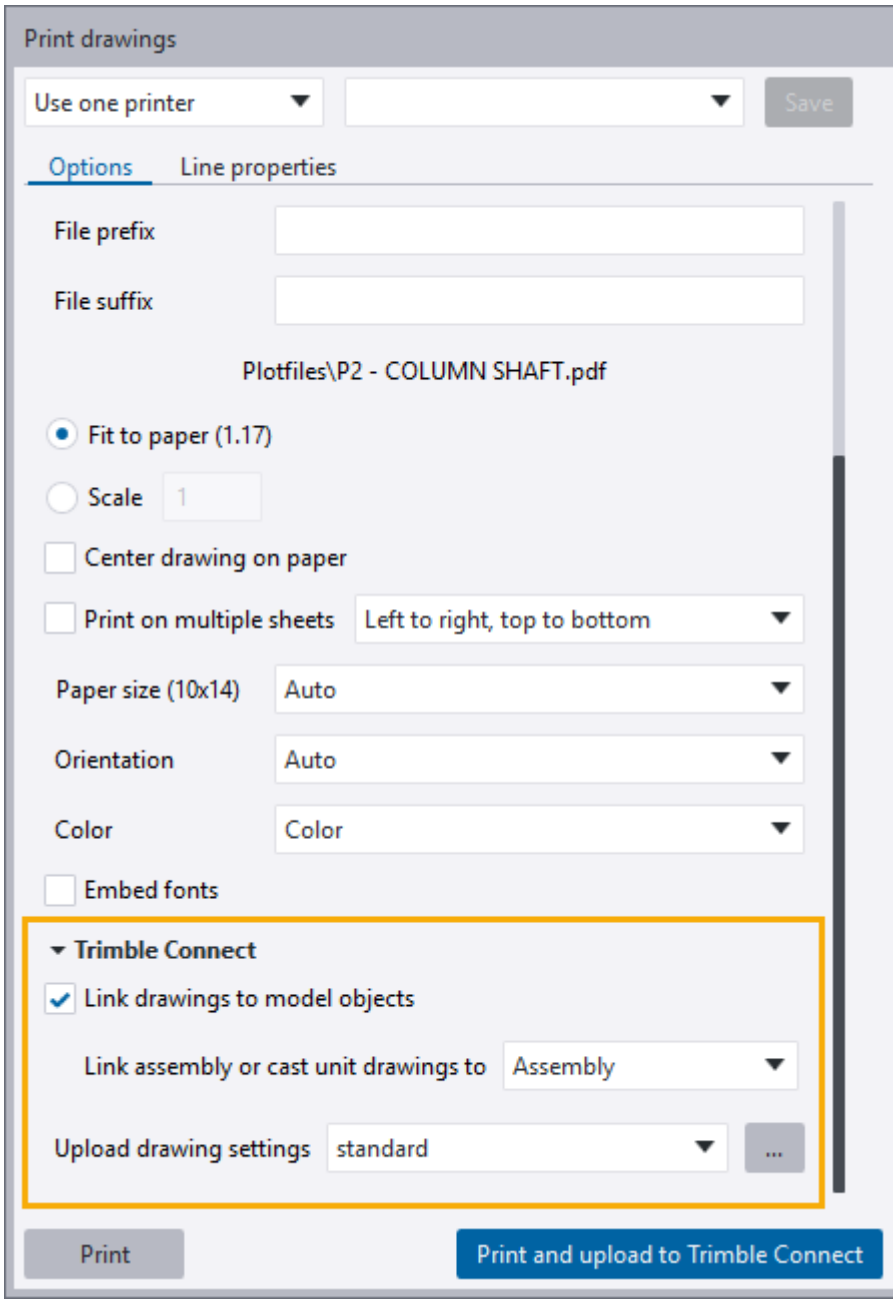
   a. In the **Document manager** dialog, select the drawings you want to upload to Trimble Connect.

   b. Right-click and select **Print**, or click the **Print**  button. The **Print drawings** dialog opens.

   c. In the **Trimble Connect** section, select the **Link drawings to model objects** checkbox if you want to link the fabrication drawings to related model objects in Trimble Connect, if the model has been uploaded.

      For assembly drawings and cast unit drawings, you can select whether the drawing is linked to the assembly or the main part.

      General arrangement drawings cannot be linked to model objects.



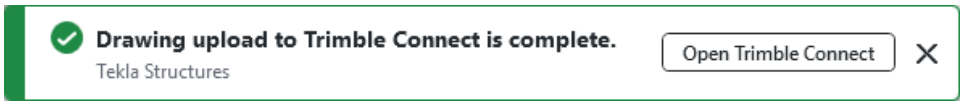
d. If you have not yet selected the PDF drawing upload folder for each drawing type in Trimble Connect, you can do it by clicking **...** next to **Upload drawing settings**. By default, the current settings are used.

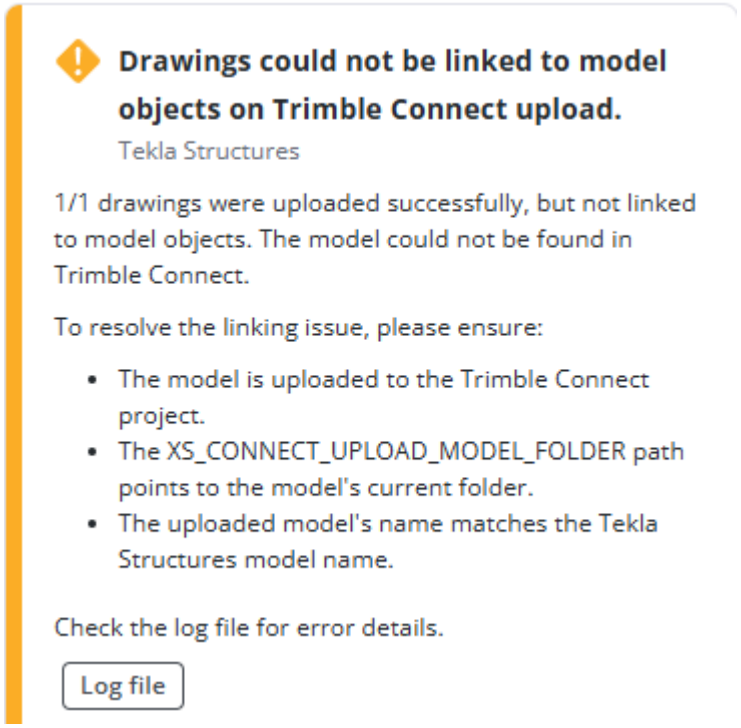
e. Click **Print and upload to Trimble Connect** to upload the PDF drawing to the set folder in Trimble Connect.

   The upload will take a while. Note that a large model can contain too many objects for the linking, causing performance issues in Trimble Connect.

When the uploading is done, Tekla Structures displays a notification stating if the upload was successful or whether there were warnings or errors.

For example, you may get the following notifications.





3. If you are an API integrator, you can use drawing metadata to integrate the information in your processes. Drawing metadata is stored as Trimble Connect property sets.

   If you are uploading the drawings for the first time and have sufficient rights, or you are a Trimble Connect project administrator, a new property set library and definition will be created to store the drawing metadata from Tekla Structures. The metadata is not visible in files in Trimble Connect, only in model objects, but it can be fetched via Trimble Connect API.

   For a reliable workflow, use the API call `/psets/{link}/{libId}/{defId}`. You need to identify the drawing's document ID, as well as the ID of the metadata property set library and the definition. If these are unknown, they can be identified via the Trimble Connect API:

   - For library: `/forests/{forestId}/trees/{treeId}/nodes/{nodeId}/links`
   - For definition: `/libs/{libId}/defs`

Metadata library IDs follow a naming convention:

- `<projectId>_MetadataLibrary_<8 character length GUID>`
- `<projectId>_MetadataDefinition_<8 character length GUID>`

Metadata contains the following information. All fields are of type `Single value`.

Name	Type
Mark	Text
Drawing name	Text
Creation date	Date
Modification date	Date
Drawing type	Text
Authoring software	Text
Title 1	Text
Title 2	Text
Title 3	Text
Revision author	Text
Revision mark	Text
Revision description	Text
Revision creation date	Date

TTSD-71062

4.3 Import from Tekla Structural Designer using remote connection

In Tekla Structures 2026, you can now connect with and import models from Tekla Structural Designer that is installed on another computer.

To import Tekla Structural Designer models, go to the **File** menu in Tekla Structures and click **Import** --> **Tekla Structural Designer**.

In the **Tekla Structural Designer Import** dialog, you can now select the **Use remote connection** checkbox under **Remote connection** to use a VPN or private local network, and then click the **Select connection file** button to use the connection information received from Tekla Structural Designer.

TTSD-70994

4.4 Publish Tekla Structures models to Tekla Structural Designer (Preview)

You can now publish full Tekla Structures models or selected parts of a model to the cloud, enabling a Tekla Structural Designer user to bring them in without both applications needing to be on the same computer.

Tekla Structures 2026 introduces the **Publish to Tekla Structural Designer** functionality as a Preview feature. To find out more, see Preview features in Tekla Structures.

This new workflow supports revision handling. Steel and concrete models with columns, beams, braces, walls, and slabs can be transferred to Tekla Structural Designer. Profiles and material grades are mapped automatically, and design characteristics are set in Tekla Structural Designer for immediate use.

To publish model objects from Tekla Structures to Tekla Structural Designer, go to the **File** menu, click **Export** --> **Publish to Tekla Structural Designer**, and use the **Publish to Tekla Structural Designer** dialog to define the cloud publishing settings, or the local export settings if needed.

TTSD-74017, STP-539

4.5 Integration with Autodesk Revit (Preview)

You can now transfer models between Tekla Structures and Autodesk Revit using `.cxl` files.

To do this in Tekla Structures 2026, use the new commands on the **File** menu:

- **Import** --> **Autodesk Revit with CXL**
- **Export** --> **Autodesk Revit with CXL**

Tekla Structures 2026 introduces the **CXL integration with Autodesk Revit** functionality as a Preview feature. To find out more, see Preview features in Tekla Structures.

TTSD-73168

4.6 Improvements in Tekla PowerFab Connector

Multiple improvements and fixes in Tekla PowerFab Connector have been released in the 2025 service packs.

See the following release notes:

- Tekla Structures 2025 SP1:
  - Enhanced usability and visual feedback

    - The workflow for managing procurement data has been optimized
- Tekla Structures 2025 SP3:
    - Exporting UDAs from reports to Tekla PowerFab is now possible.
    - Issue with submittal to Tekla PowerFab fixed
- Tekla Structures 2025 SP5:
    - The Submittal history now automatically converts the "Checked date" to the current user's local time.
    - Improved validation accuracy
    - Improved workflow stability in assembly drawing exports

4.7 Improvements in Live Collaboration for Tekla Structures (Preview)

Live Collaboration was introduced as a preview feature in Tekla Structures 2025, and in Tekla Structures 2026 it continues to have the preview status.

In Tekla Structures 2026, **Live Collaboration** has undergone other improvements.

- **Share a selected view in a Live Collaboration session**

  When you start a **Live Collaboration** session, you can now select the view you want to share, and share only that view to the session. The current view settings and object representation filters are shared with the view. Any changes made in other views are not shared.

  If you want to share a full model to the **Live Collaboration** session, you need to have the full model visible in the view that you are sharing.

  - Consider the following when you are deciding whether to share a model or a view in the session:

	Advantages	Disadvantages
If you share the whole model	Enables quick sharing, depending on the model size, and provides a comprehensive overview of the entire model.	Not recommended if you work with Autodesk Revit because of performance impacts on Autodesk Revit.
If you share a view	Enables faster sharing for Tekla Structures, Trimble Connect, and Autodesk Revit teams by focusing on small parts of the project.	Only what is in the shared view is visible. You can add more views to the **Live Collaboration** session

	Advantages	Disadvantages
		to add more model context.

- If you use Tekla Model Sharing, consider the following when you are deciding whether to share a model or a view in the session:

	Advantages	Disadvantages
If you share the whole model	Enables quick sharing, depending on the model size, and provides a comprehensive overview of the entire model.	Native Tekla Structures parts and models from **Live Collaboration** can potentially overlap.
If you share a view	Enables faster sharing for Tekla Structures, Trimble Connect, and Autodesk Revit teams by focusing on small parts of the project.	Native Tekla Structures parts and models from **Live Collaboration** can potentially overlap.
If you share the model changes only	Optimized for Tekla Model Sharing workflows within the same team and the same model.	Not suited for Trimble Connect and Autodesk Revit teams because only the changes are shared and the model context is missing.

TTSD-72619

- **Remove the model from the Live Collaboration session**

  You can now remove models published to a **Live Collaboration** session by clicking the three dots next to the model name and selecting **Remove**. Additionally, if you close the Tekla Structures view that is currently shared in the session, the view is removed from the session.

  TTSD-73118

- **Clip boxes can be shared in the Live Collaboration session**

  Sharing clip boxes in **Live Collaboration** sessions now works.

  Note the following:

  - If you share clip boxes from Tekla Structures to Trimble Connect, the clip boxes work correctly.

- If you share clip boxes from Trimble Connect to Tekla Structures or between two Tekla Structures, and you have previously added a clip box in Tekla Structures, the clip boxes work correctly.

  If you have not previously added a clip box, the clip box planes are visible but they cannot be modified.

  The clip box feature is activated only when using clip boxes from the ribbon.

TTSD-67408

5 What's new in interoperability tools in Tekla Structures 2026

- Enhanced IFC interoperability
- Layout manager - Enhanced workflow efficiency with point deviation management
- Updates in tools for automated precast fabrication
- Improvements in reference models

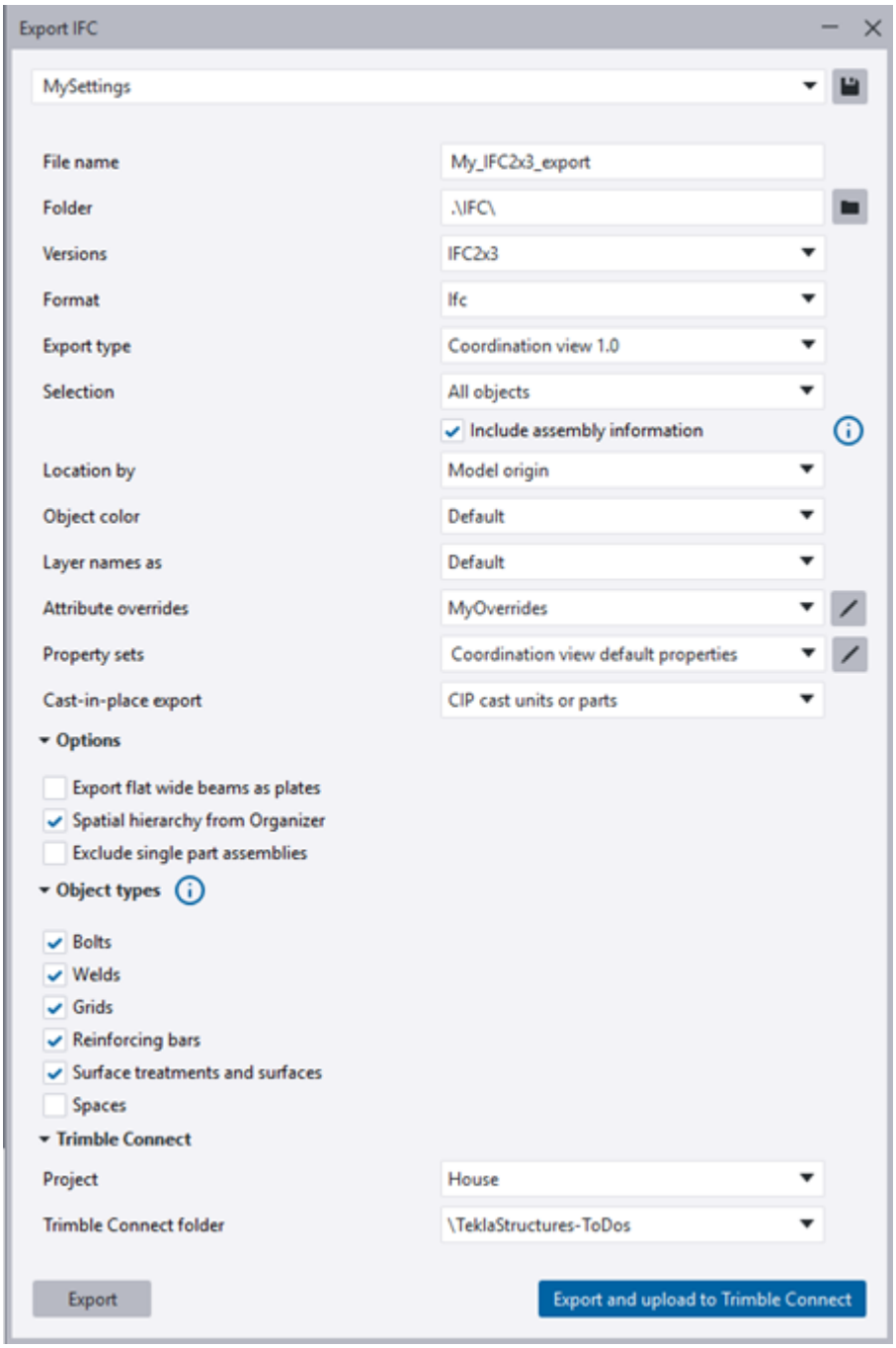
5.1 Enhanced IFC interoperability

In Tekla Structures 2026, managing IFC exports for all versions (IFC2x3, IFC4, and IFC4.3) is now streamlined through a single, enhanced **Export IFC** dialog. This unified dialog offers direct upload to Trimble Connect, precise object selection, and customizable IFC entity attributes. The IFC4.3 export now includes support for the Building domain. Furthermore, the control of IFC entities within model object properties has been improved. Additionally, the conversion of IFC objects now supports converting IFC4 reference objects into native objects.

One dialog for all IFC export versions

The IFC2x3 and IFC4 export dialogs have been merged to provide aligned controls and a consistent workflow. You no longer need to open two different dialogs to export different IFC versions: When you select **File** --> **Export** --> **IFC**, the new **Export IFC** dialog opens, allowing you to export all IFC versions supported in Tekla Structures.

The new **Versions** list lets you choose the IFC export version: IFC2x3, IFC4, or IFC4.3. Select the version first, as the dialog updates to show settings relevant to your choice. Note that not all settings apply to every IFC version.



Additionally, you can now use Open API the same way for IFC2x3 and IFC4.

TTSD-69046, TTSD-73253

Accurate selection of exported objects

You can now precisely restrict exports to specific model objects, ensuring accurate communication of design information. It is possible to flexibly export

selected objects within an assembly and choose whether to include assembly information without exporting the entire assembly. Additionally, exporting can be further automated with the new filtering option.

In the **Object types** section, select desired object types and use the following **Selection** options:

- **All objects**: Export all model objects. The export of bolts, welds, grids, reinforcements, surface treatment and surfaces, and spaces depends on whether their respective checkboxes have been selected in the export settings.
- **Selected objects**: Export only the selected objects. For example, selecting only a plate in an assembly exports just the plate. Also, if you have a cast unit column with rebars and embed parts, and only want to export the embed parts, select only the parts (column and embed parts) in the model and then select both the **Selected objects** option and the **Reinforcing bars** checkbox, because embed parts are modeled as reinforcement.
- **Selected objects and their assemblies**: Export selected parts and their assemblies. For example, selecting only a plate in an assembly exports the entire assembly associated with the selected plate.
- **Selection filter**: Use a predefined filter to further restrict the export to certain types of objects.
- **Include assembly information**: Export information about the assembly hierarchy of objects. Even if only a part of the assembly is exported, the entire assembly hierarchy and its information are included. For instance, if an assembly contains three parts and you choose to export only two, this option ensures that the export file recognizes these two parts as belonging to the same assembly. Use this option in conjunction with a **Selection** option, such as **Selected objects**.

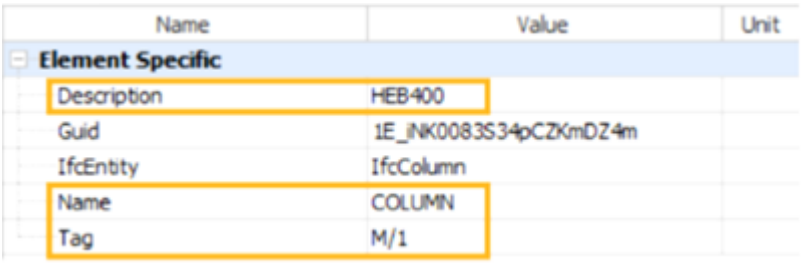
TTSD-71033, TTSD-71311

Override IFC entity attributes

You can now modify IFC entity attributes that were previously fixed (hard-coded). The new **Attribute overrides** control in the **Export IFC** dialog allows you to customize specific IFC entity attributes, such as Name, Description, or Tag, by specifying export values tailored to meet project specifications, standards, or customer requirements. You can designate a Tekla property, a user-defined attribute, or a custom property as the export value.

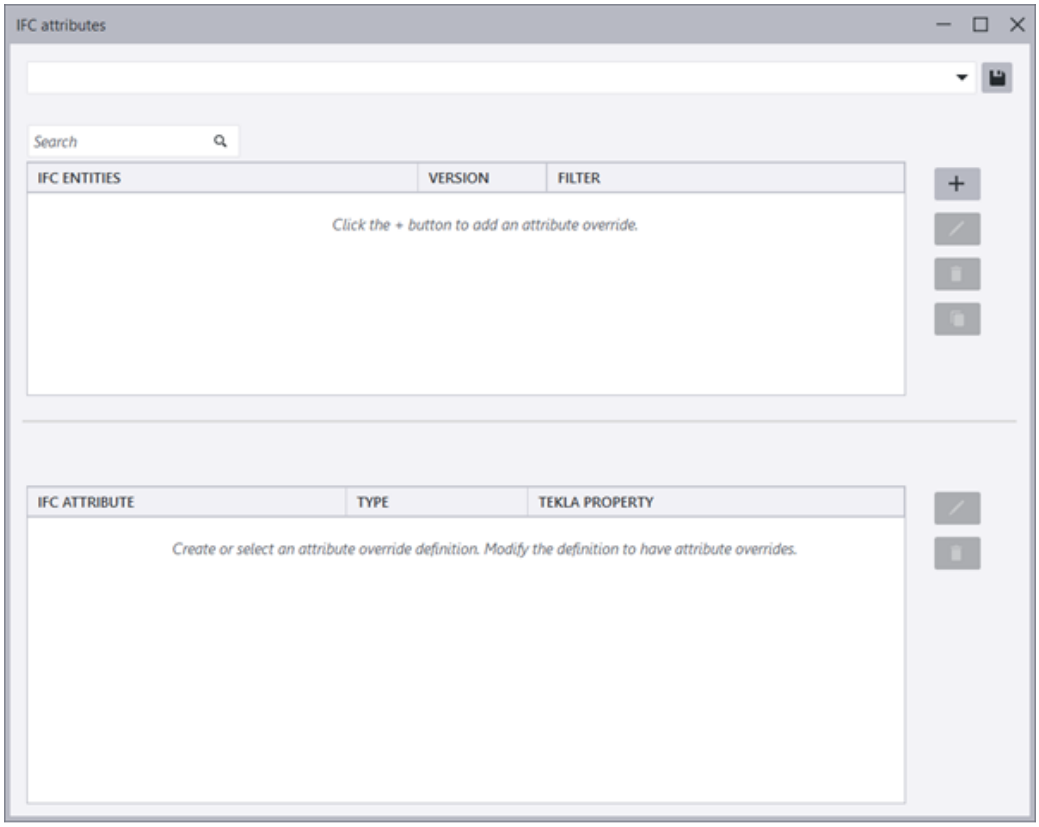
Previously, all IFC entity attributes defined by the IFC schema were hard-coded, limiting control over the output. The essential attributes, such as GlobalId, are still hard-coded. The default value is set to **<none>**, indicating that the export will use the predefined values.

Examples of IFC entity attributes and their export values:

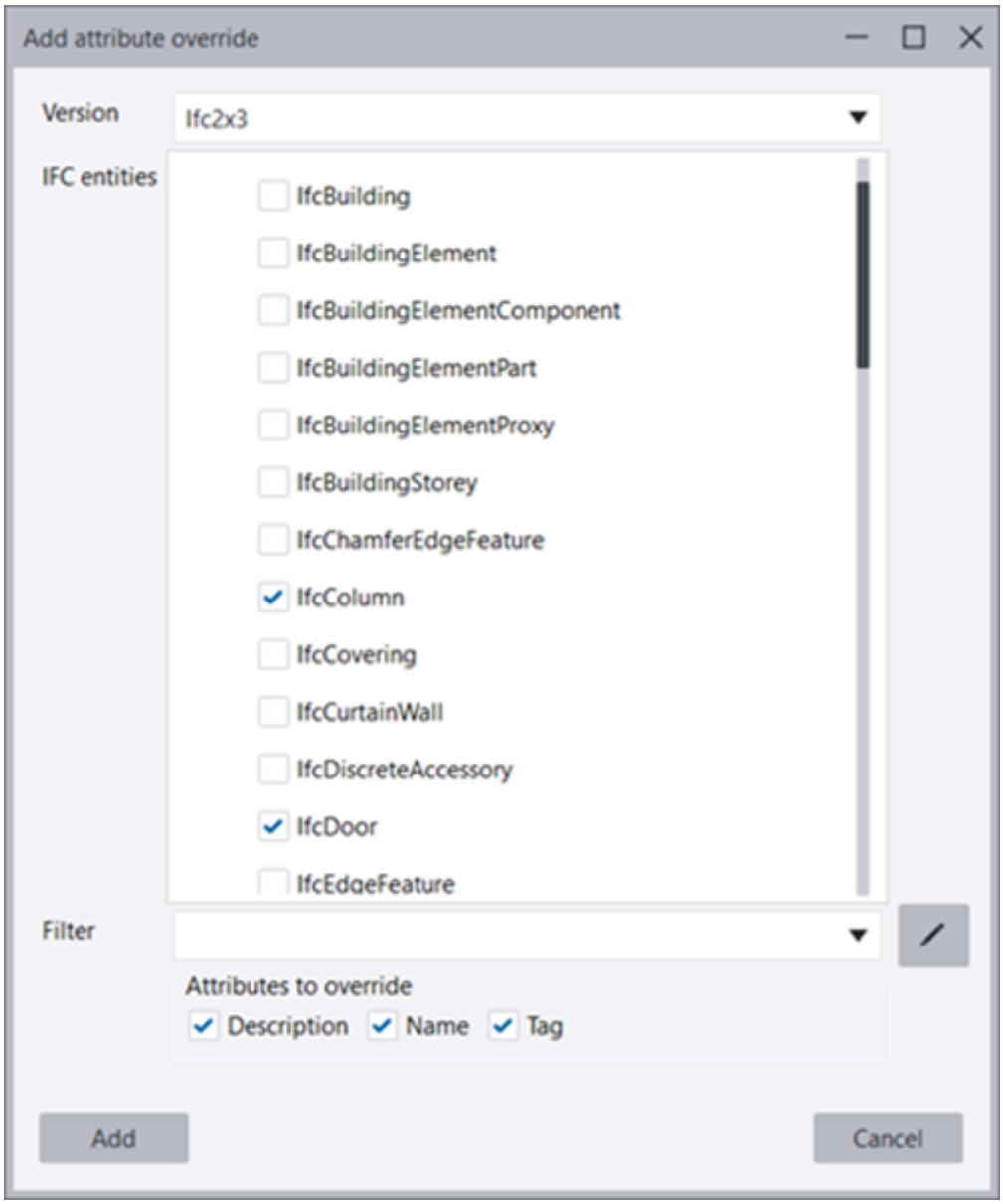


- To start defining a new attribute override, select **<new>** from the **Attribute overrides** list and click **Edit**.

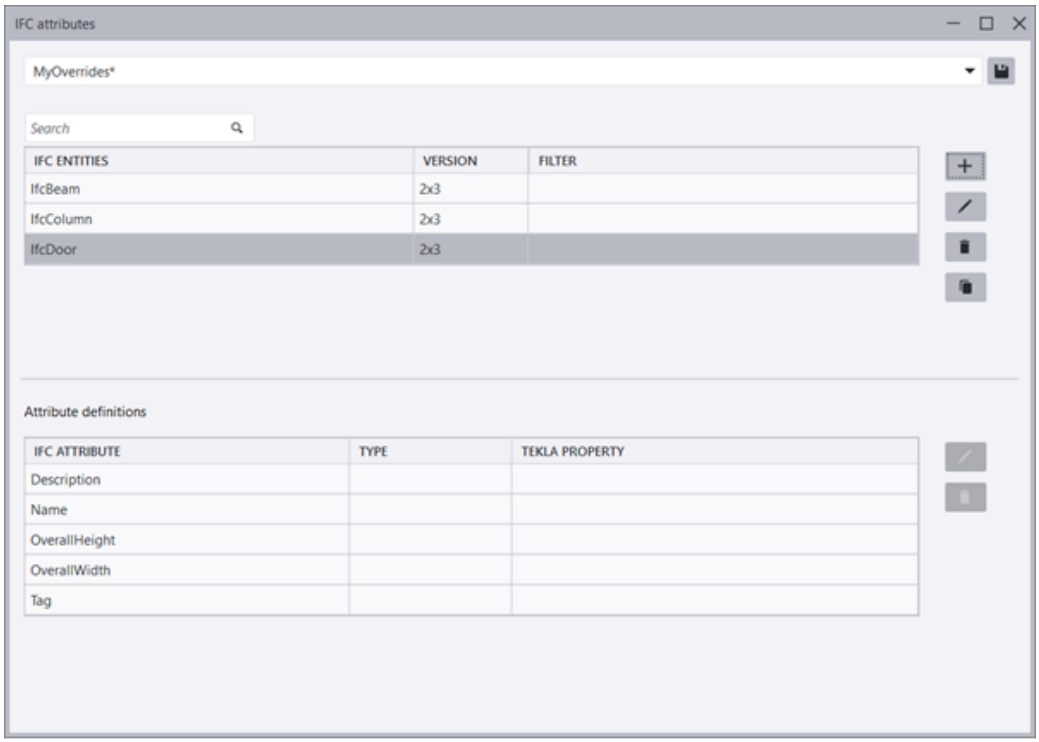
  This opens the new **IFC attributes** dialog.



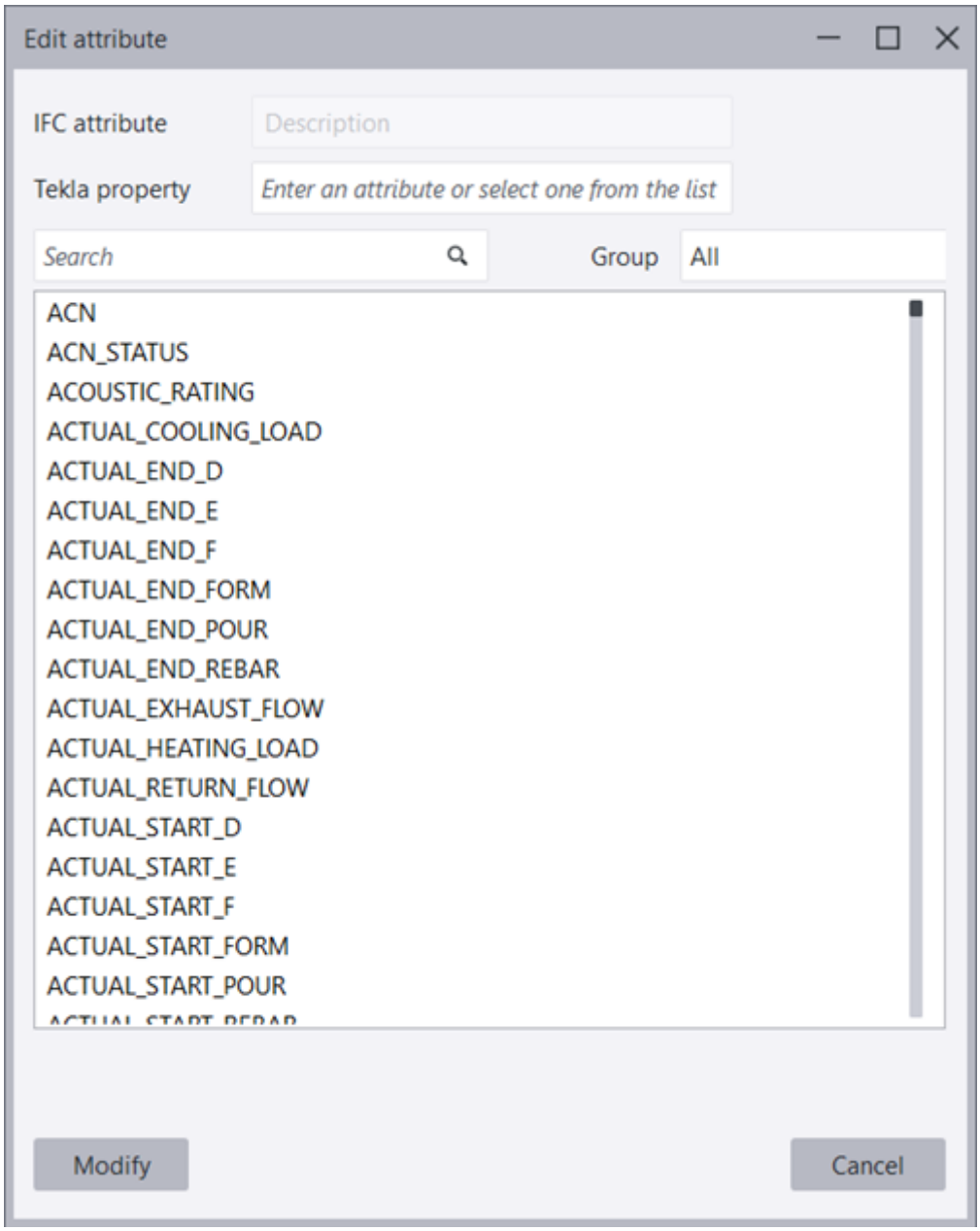
- To add an attribute override, click the plus button on the right. In the displayed **Add attribute override** dialog, define the desired IFC version, and select one or more IFC entities from the list of entities. You can also apply a filter to further limit which objects are affected. The **Attributes to override** list is populated with attributes that can be overridden based on your IFC entity selection. If you select more than one IFC entity, the attribute list will display only those attributes that are common to all selected entities. Click **Add** when ready.



The attributes that you added for the selected entities are displayed on the **Attribute definitions** list at the bottom of the **IFC attributes** dialog.



- Now you can customize the attribute definitions. Select an attribute from the **Attribute definitions** list and click  **Edit**. Select a Tekla property from the list, or enter a user-defined attribute or custom property. To narrow down the list of available attributes, select an attribute group from the **Group** list. Click **Modify** when ready.



- When you have defined the needed override rules, give the rule set a name and click **Save**. This will save a new `<name>.attributeoverride` file in the `\IfcAttributeOverrides` folder under the current model folder.

TTSD-71028

Direct export to Trimble Connect

In the new **Export IFC** dialog, you can now publish IFC files directly to a Trimble Connect project and folder, matching the workflow used for the native TrimBIM format and removing the need for manual file handling.

- Specify the Trimble Connect **Project** to enable direct upload. If the model is already connected to a Trimble Connect project, the **Linked Trimble Connect project** option is automatically selected. If the model is not connected to a Trimble Connect project, **None** is displayed, and you can manually select the desired project.
- Select a **Trimble Connect folder** in the selected project.
- You can change the project and folder at any time.
- Your selections are saved in the export settings.
- When ready, select **Export and upload to Trimble Connect**.

TTSD-69043

Enhanced control over IFC entity selection

Now you can more accurately specify the needed IFC entity for each object in the Tekla Structures model so that the created IFC file has the required information.

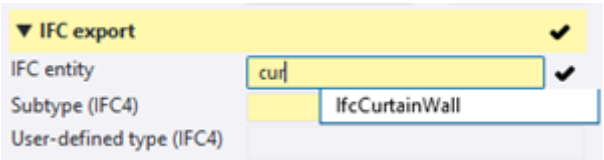
- More IFC entity types are supported:

  IfcCovering

  IfcCurtainWall

  IfcRampFlight

  IfcStairFlight
- You can now change the IFC entity for rebars.
- You can now set the assembly entity to **None**.
- You can start typing the name of the IFC entity and the matching entities are shown in the list.

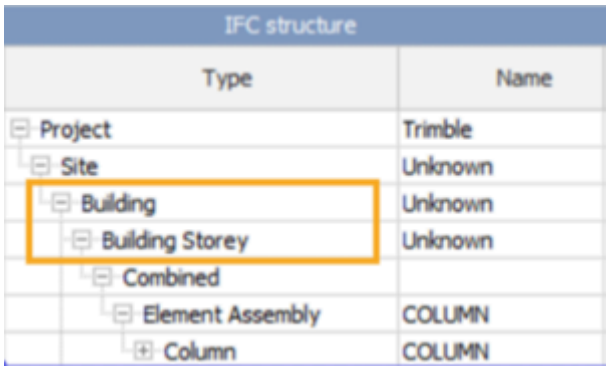


- Strands can now be exported as IfcTendon also in the IFC2x3 export. Previously, this worked only in the IFC4 export.

TTSD-71058, TTSD-71057, TTSD-66167, TTSD-65637, TTSD-62542, TTSD-48482, TTSD-61973, TTSD-72410

More extensive support for IFC 4.3 schema

- Tekla Structures 2026 supports the IFC 4.3 schema in accordance with the latest buildingSMART release IFC 4.3.2. You can now export models using the IFC 4.3 schema and meet the mandatory requirements for structural deliverables.
- In the IFC4.3 export, the Building domain is now supported in addition to the already supported Bridge domain.



- The IFC4.3 export now supports the **Reference view** and **Design transfer view** export types in addition to the already supported **Bridge view** export type.

STP-589, TTSD-73781

IFC header change

IFC header information has been changed to comply with the buildingSMART recommendation.

For Tekla Structures, the following information is now written in the IFC file header, in the `FILE_NAME` record:

`Trimble Inc. - Tekla Structures - <version number>`

TTSD-70252

Improved grid export

In the IFC4 and IFC4.3 exports, when exporting selected objects, grids are now exported only when they are selected. Previously, all grids in the model were exported even if you had selected to export selected objects only. When you select **Spatial hierarchy from Organizer**, grids are positioned under the corresponding building (whose boundary covers the grids), otherwise under the first building.

TTSD-73001

IFC object conversion - Support for IFC4 formats

The IFC4.0 format and any newer IFC4 formats are now supported when converting IFC reference objects into Tekla Structures native objects.

Previously, the object conversion only supported IFC2x3 reference objects.

TTSD-57949

5.2 Layout manager - Enhanced workflow efficiency with point deviation management

In Tekla Structures 2026, you can now use the new out-of-tolerance check in **Layout manager** to identify discrepancies between what has been designed and what has been built. This brings considerable efficiency to the workflow between the design office and the construction site.

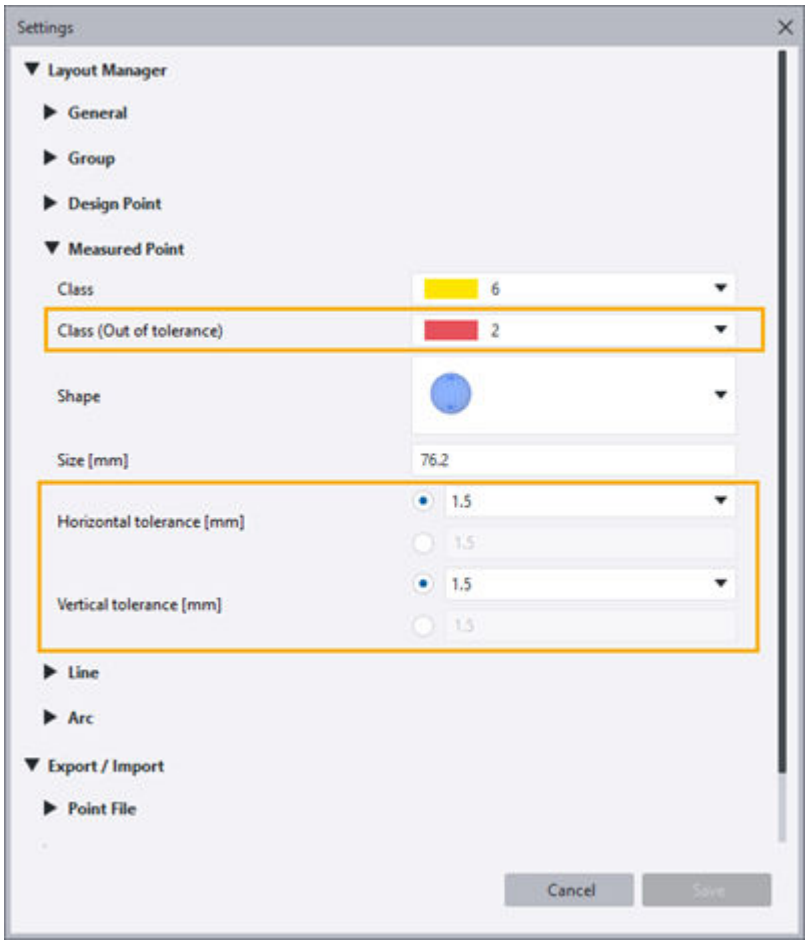
In **Layout manager**, you can now define tolerance values for the points measured on the site, and easily compare the locations of the measured points with the corresponding points designed in the Tekla Structures model. With the point deviation data, project quality and accuracy is improved as project teams can make quick, informed decisions based on reliable data from the site and the model, and prevent costly future rework.

Define the tolerance values for measured points

Tolerance values define how much the points measured on the site can deviate from the points designed in the model.

You can define the **Horizontal tolerance** and **Vertical tolerance** values in the **Layout manager Settings**  , under the **Measured Points** section. You can either select a horizontal and vertical tolerance value from the list, enter a desired value in the box below the list, or select that the tolerance values are ignored.

You can also define a separate class for the points that are out of tolerance to easily visualize them in the model.



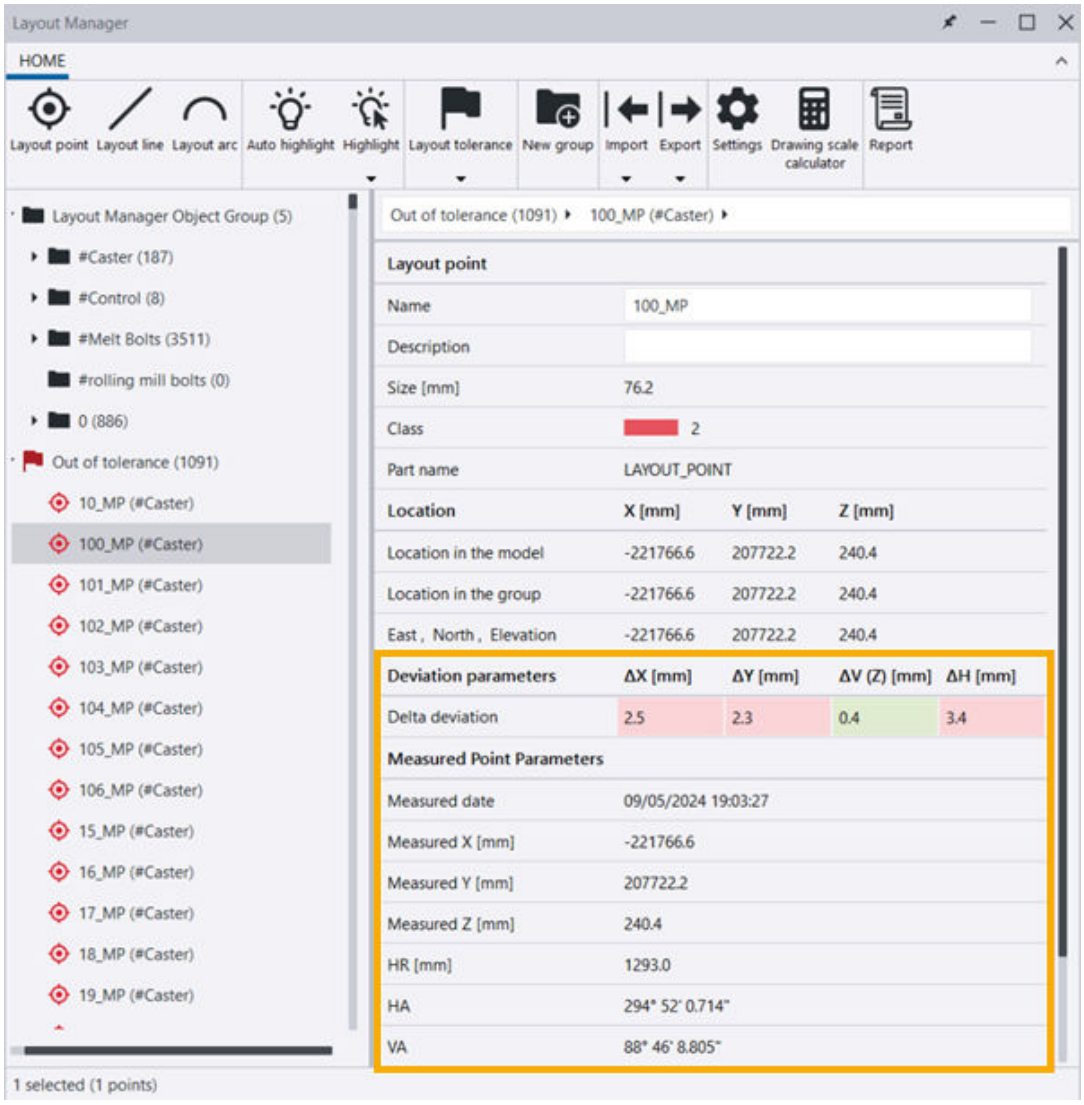
Compare measured points with design points

Layout manager now automatically compares the points measured on the site with their corresponding design points in the model when layout data from the site is imported to **Layout manager**. The data is imported in `.tfl` and `.tflx` files. **Layout manager** calculates the deviations between the points based on the tolerance values that you have defined for measured points.

The measured points that are outside the defined tolerance values are listed in the new **Out of tolerance** group in **Layout manager**. The **Out of tolerance** group is empty if there are no points that are out of tolerance.

Measured points now automatically have the suffix **_MP** added to their original names. This makes it easier to identify and distinguish them from design points both in the model and in drawings. The group name is shown in parentheses at the end of the name.

When you select a measured point in the **Out of tolerance** group, the point properties on the right show the **X**, **Y**, **V**, and **H** deviation parameters, and the date when the point was created. The out-of-tolerance values are highlighted against a red background so that you can easily see which values are outside the defined tolerance values.



Visualize measured points in the model

You can use the new  **Layout tolerance** options in **Layout manager** to select which layout objects are shown in the model:

- **Show only measured points** temporarily hides all layout objects except measured points.
- **Show only out-of-tolerance points** temporarily hides all layout objects except the measured points that are out of tolerance.
- **Show all** restores the visibility of all layout objects.

Create reports for layout points

You can now create reports for the layout points that you select in **Layout manager**. When you have selected the layout points or groups that contain

layout points in **Layout manager**, click the  **Report** button. Then enter a name for the report file. By default, the report file is saved as a `.csv` file in the `\Layout\Reports` folder under the current model folder.

Layout point reports are useful for reporting accurate deviation information. You can open and import the reports in Microsoft Excel, for example.

TSAC-9420

Improvements in Tekla Structures 2025 SP5

The following improvements were already introduced in **Layout manager** in Tekla Structures 2025 SP5:

- You can now select multiple layout objects and groups in the **Layout manager** tree structure by holding down the **Ctrl** or **Shift** key.

  TSAC-9154

- You can now drag selected layout objects to a new location within a group or to another group in **Layout manager**. You can also change the order of groups by dragging them in the **Layout manager** tree structure.

  TSAC-9009

- The **Auto highlight** and **Stay on top** settings are now saved and restored from the saved settings when opening **Layout manager**.

  TSAC-9365

5.3 Updates in tools for automated precast fabrication

Tekla Structures 2026 comes with a number of enhancements in the tools for automated precast fabrication.

Unitechnik export

- A new user-defined attribute for layer identification code, UT_ConLayerCode, has been added for concrete parts. You can now specify the layer identification code using the new **Layer identification code** property on the **Unitechnik** tab in the user-defined attributes of a concrete part. Enter a numeric value.

  This improvement was already introduced in Tekla Structures 2025 SP1.

  TSAC-9183

- A new user-defined attribute, UT_ConLayerInfo, has been added for concrete parts. You can now specify additional information for layer identification using the **Additional layer information** property on the **Unitechnik** tab in the user-defined attributes of a concrete part.

  This improvement was already introduced in Tekla Structures 2025 SP6.

  TSAC-9621

- On the **SLABDATE block data specification** tab, you can now specify the type of the **Slab area** for the export. The options are **Gross area**, **Net area with cutouts**, **Net area without cutouts**, and **Template**.

  This improvement was already introduced in Tekla Structures 2025 SP3.

  TSAC-9273

- On the **Embeds** tab, you can now specify the surface treatment to export by giving the surface treatment name in **Surfaces**. You can also select the surface installation type using any of the following options:

  Installed (0)

  Only plotted (1)

  Only installed (2)

  Not installed, not plotted (3)

  Installed in reinforcement (4)

  Installed automatically (5)

  TSAC-8450

- On the **Symbols** tab, you can now specify the embeds that should be exported with center line or reference line using the new options **Embed represented by center line** and **Embed represented by reference line**. Enter the class or name of the embed.

  TSAC-9286

ELiPLAN export

- When plotting the reinforcement, you can now omit reinforcement outside concrete elements using the new setting, **Omit reinforcement outside concrete**, on the **Plotter data** tab.

  TSAC-8811

- You can now define how the matching of tags in the data conversion works using the new setting **Matching conversion** on the **Parameters** tab. The **Any tag** option works in the same way as the conversion worked previously: if any tags are found, conversion is done. With the **All tags in**

order option all tags must be present in the given order for the conversion to be done.

TSAC-8765

BVBS export

- You can now export the image file name in the ID-SUBID format in the private data block by selecting the new option, **Export image ID**, on the **Data content** tab.

  TSAC-9626

  This improvement was already introduced in Tekla Structures 2025 SP6.

- A new template attribute, IMAGE_ID, has been added that matches the format of rebar image file names output by reports: <Id>-<SubId>. Currently, this attribute should only be used with report templates. If it was used via OpenAPI, the SubId part will always be 0.

  TTSD-71601

- You can now combine two identical rebar groups into one line in the export file according to the rebar geometry by selecting the new **Single rebars and rebar groups** option **By geometry** on the **Advanced** tab.

  TSAC-8874

5.4 Improvements in reference models

Refreshing reference models

When refreshing reference models, and if some of the original reference models are not found, you get a list of missing reference models. Now the list is displayed only and you do not need to click **OK** to continue working. Earlier, you had to click **OK** to continue your work. This improvement was made so that automated processes are able to continue without stopping in the middle of the process.

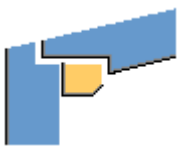
This improvement was already introduced in Tekla Structures 2025 SP1.

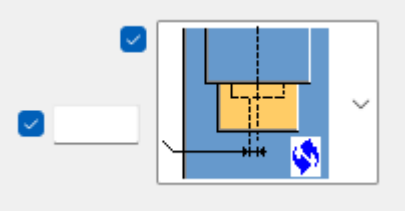
TTSD-69020

6 What's new in components in Tekla Structures 2026

There are many improvements in concrete components and steel components in Tekla Structures 2026. In the **Tekla Structures Graphite** configuration, detailing components can now be created in the same way as in the **Tekla Structures Diamond** configuration.

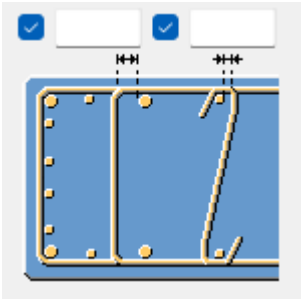
6.1 Concrete components

Component	What's new
Braced girder (88), (89)	On the **UDA** tab, there are now six new variable UDAs where you can define the type, value, name, and the object a UDA belongs to. TSAC-9292, TSAC-9293
Concrete console (110)	• On the **Picture** tab, there is a new option for the beam-column connection type for situations where the secondary beam is sloped. This new option has a horizontally placed corbel and plates combined with an aligned column top level and beam.  TSAC-9040 • On the **Parts** tab, there is a new setting, **Align with**, where you can

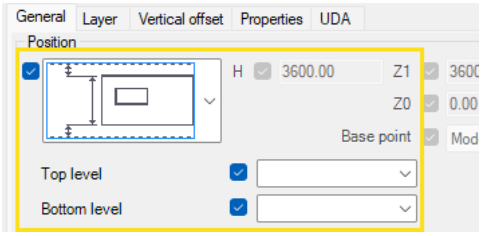
Component	What's new
	select whether to align the holes or bolts in the neoprene plate and horizontal plate parallel to the anchors or perpendicular to the plates. TSAC-7882 • On the **Anchor rods** tab, you can now select to create a specific **Profile** when creating holes in the beam. You can select a profile for both the top and bottom part. Previously, only circular or square holes could be created. TSAC-7564 • On the **Picture** tab, there is a new setting where you can define the offset of the horizontal steel plate over the console.  TSAC-7562 • On the **Anchor rods** tab, you can now use the new **Delete top hole at position** setting to define a list of anchor positions where the top hole cut is not created. TSAC-7566 • The cuts created by **Concrete console (110)** are now named according to their position and the cut part. You can use the names when creating reports and when adding dimensions in drawings. • `BEAM_CUT_TOP` • `BEAM_CUT_BOTTOM` • `BEAM_CUT_FRONT` • `COLUMN_CUT_FRONT`

Component	What's new
	• COLUMN_CUT_FRONT_2 (Second part if the cut has a complicated shape that cannot be unioned.) • BOLT_HOLE_CUT_1 • BOLT_HOLE_CUT_2 • NEOPRENE_HOLE_N (N is an index of an anchor that creates the hole.) • HORIZONTAL_PLATE_HOLE_N (N is an index of an anchor that creates the hole.) TSAC-8642 • There is now a new user-defined attribute, Load Bearing, for the created console. TSAC-7929
Edge and corner reinforcement (62)	On the **Picture** tab, there is a new setting that you can use to switch the position of vertical U bars with horizontal U bars. TSAC-9190
Floor layout	• The default gap is now applied to all **Precast** type layers. Previously, the default gap was only applied to the first layer with the type **Precast**. TSAC-7700 • You can now define custom UDAs for cut-outs created by **Floor layout** using the floorlayout.cutouts.inp file. These UDAs will be shown on the new **Cut-out UDAs** tab. TSAC-9225 • On the **General** tab, you can use the new **Bind to level** setting to bind the floor layout to the selected grid level. TSAC-9651

Component	What's new
Hole reinforcement for slabs and walls (84)	On the **Edge bars** tab, you can now select from all available spacing types when defining spacing for each edge bar group. TSAC-8159
Hollowcore reinforcement strands (60)	You can now define the strand codes in a `.dat` file. TSAC-8402
Mesh bars / Mesh bars by area	When you select **Mesh** as the bar creation type on the **Picture** tab, you can now use the new **Mesh outline at part edge cuts** setting on the **Detailing** tab to define how the cuts at the edges of the parent concrete object are handled in mesh creation. **Mesh outline at part edge cuts** has the following two options: • **Follow cuts** (default value): The mesh outline polygon follows the cuts. The mesh is not cut with a cut part, but instead, there are more points in the mesh outline polygon. With **Follow cuts**, the mesh size dimensions and the pull-out picture take the edge cuts into account. • **Do not follow cuts**: The mesh outline is created without taking edge cuts into account, and the mesh setting **Cut by father part cuts** is used to create the cuts to the mesh. TSAC-9713
Pad footing reinforcement (77)	On the **Lacer bar** tab, you can now use the new **Local coordinate system** setting to define the creation plane for the lacer bars, using the local coordinate system of the pad footing. Select **Yes** to ensure that lacer bars always have the same

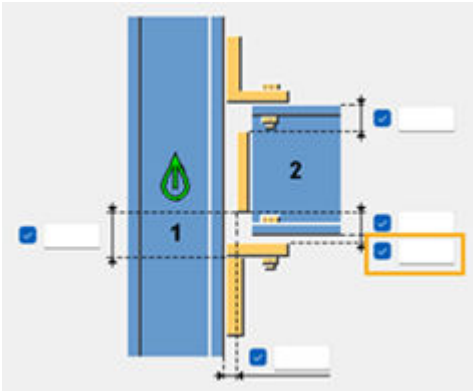
Component	What's new
	orientation and position on any **On plane** rotation as the pad footing. TSAC-9568
Rectangular column reinforcement (83)	On the **Intermediate links** tab, you can now define the cover thickness between the intermediate links and tied side bars.  TSAC-8163
Seating with dowel (75)	• On the **Picture** tab, you can now extend the column if the beams are thicker than the column and do not cover the entire connection area. You can extend the column by a specific height relative to the beam placement level or to the exact top level position of the beams. • On the **Parts** tab, you can now define to which cast unit the bearing pad is attached. TSAC-7982, TSAC-8476
Seating with dowel to flange (77)	On the **Parts** tab, you can now define to which cast unit the bearing pad is attached. TSAC-8476
Stirrup reinforcement (67)	On the **Parameters** tab, the **Rotate rebar polygon** functionality has been enhanced. There are now two methods available: • **Predefined**: Rotate the rebar shape polygon from the first stirrup and the second stirrup. You can rotate the polygon either at each even or odd position.

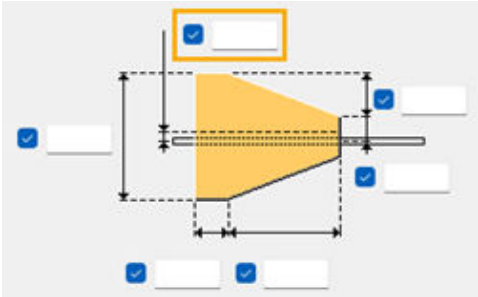
Component	What's new
	• **Custom**: Define a custom sequence of stirrup rotations for the first number of stirrups. This sequence is repeated automatically for all remaining stirrups in the beam. TSAC-7450
Two sided seating with dowel (76)	• On the **Picture** tab, you can now extend the column if the beams are thicker than the column and do not cover the entire connection area. You can extend the column by a specific height relative to the beam placement level or to the exact top level position of the beams. • On the **Parts** tab, you can now select between the profile or polygon type for the nuts on anchors. • On the **Parts** tab, you can now define to which cast unit the bearing pad is attached. TSAC-7982, TSAC-8476
Wall layout	• On the **Layer** tab, there is a new option, **Add to nearest sub-assembly**, in the **Layer creation** setting. When you select the new option, the layer is added as a part to the nearest, physically closest sub-cast unit. If there are two that are equally close, the first one in creation order is selected. If there are no sub-cast units, the part is added as a sub-assembly and it works in the same way as **Add as sub-assembly**. TSAC-9207 • On the **General** tab, you can now use the new bind to level position option to bind the wall layout to

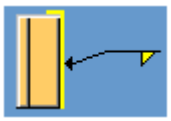
Component	What's new
	the selected top and bottom grid levels.  TSAC-9576
Rebar sequence numbering	This macro has been removed from the **Applications & components** catalog. Starting from Tekla Structures 2025, to assign running numbers to various reinforcement objects within each cast unit or pour, define reinforcement sequence numbering settings in the **Numbering Setup** dialog. Then, use any regular numbering command, such as **Number modified objects** or **Number series of selected objects**, to update the numbering in the model. TTSD-72545

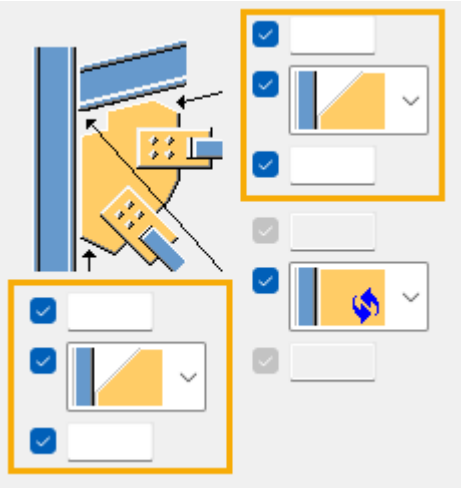
6.2 Steel components

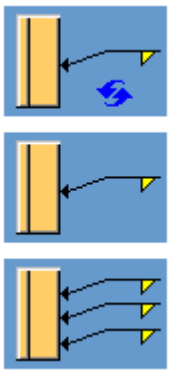
Component	What's new
Base plate (1004)	• On the **Anchor rods** tab, you can now select in the **Create assembly from all anchors** setting that shim plates are added to the anchor rods assembly. TSAC-9203 • On the **Part** tab, you can now define the part and assembly numbering prefixes and start

Component	What's new
	numbers for **Fitting plate 2** and **3**. TSAC-9526 • On the **Anchor rods** tab, you can now select to create plate washers as profiles by selecting **Yes** in the new **Create plate washer as profile** setting. Previously, plate washers were created only as contour plates. TSAC-9660 • On the **Anchor rods** tab, you can now select to create washer and nut profiles as bolt objects by selecting **Yes** in the new **Create washer and nut as bolt** setting. You can use this functionality when plate washers are created. TSAC-9539
Beam prep (183)	You can now select whether a 0.3 mm tolerance is used in weld access hole cuts. This tolerance is used to prevent solid errors when cutting the beam. TSAC-8981
Bearing plate (7)	On the **Picture** tab, you can now define the vertical offset of the shim plate from the secondary part edge.  On the **Parts** tab, you can now define the numbering prefix and start

Component	What's new
	number, material, and name for the bottom seat profile. TSAC-9323, TSAC-9763
Bolted gusset (11)	• On the **Gusset** tab, you can now define how the cut runs through the main part, either according to the gusset plate orientation or straight. TSAC-9451 • On the **Stiffeners** tab, you can now define the vertical offset of the stiffeners.  TSAC-9331 • The default bolt edge distances and spacing for **Brace bolts 2** and **Brace bolts 3** are now taken from **Brace bolts 1** when the secondary parts have the same profile. TSAC-7426
Bracing wrap around (46)	Previously, the component had only one weld row for all the welds created by component. This issue has now been fixed and the different welds have been separated. Also, on the **Parameters** tab, it is now possible to specify the weld arrangement for welds between the clip angles and the input parts or the gusset. Select whether one weld or three welds are created. TSAC-5175
Bracing wrap around 2 (53)	Previously, the component had only one weld row for all the welds created by component. This issue has now

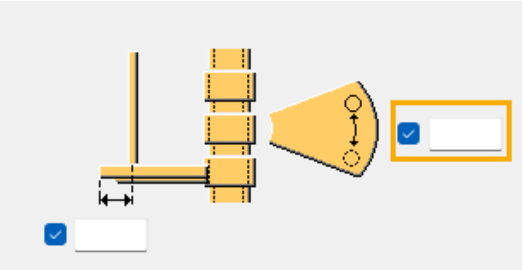
Component	What's new
	been fixed and the different welds have been separated. Also, on the **Parameters** tab, you can now specify the weld arrangement for welds between the clip angles and the input parts or the gusset. Select whether one weld or three welds are created. TSAC-8911
Cast-in plate (1069)	On the **Studs/Anchors** tab, you can now create studs as custom components or items. TSAC-9613
Clip angle (141)	On the **Bolts** tab, there is now a new option for welds that connect the clip angle to the main and/or secondary part.  Use the new option to create one weld on the vertical part of the clip angle with a small section on the top of the clip angle. You can define the size of this section. The default is 2 x weld size. TSAC-9384
Column site weld splice (137)	On the **Gussets** tab, there are now more chamfer shape options available for gusset plates. The new options are:   TSAC-9363

Component	What's new
Column tube seating (100)	On the **Bolts** tab, you can now specify the bolt offset, and the horizontal and vertical position of bolts. Previously, you defined bolt edge distances, and the number of bolts and bolt spacing on the **Picture** tab. TSAC-9522
Corner tube gusset (56), **Corner bolted gusset (57)**, **Corner wrapped gusset (63)**	On the **Gusset** tab, it is now possible to create chamfers on the gusset plate where the gusset edges connect to the main part or last secondary part.  TSAC-9243
Corner bolted gusset (57)	On the **Stiffeners** tab, you can now define stiffener plates as profiles. TSAC-8898
Corner wrapped gusset (63)	• You can now define the **Finish** property for all parts. TSAC-9259 • On the **Picture** tab, you can now define the gusset plate edge lengths. TSAC-7580
End plate (101), **End plate with compensating flange plates (111)**	On the **Bolts** tab, you can define the bolting direction. TSAC-9600

Component	What's new
End plate (101), **End plate - Comp flange (111)**, **Stiffened notch (1006)**, **Fitting (13)**, **New notch (49)**, **Welded beam to beam (123)**	You can now specify the radius for the notch cut. TSAC-9337
End plate detail (1002)	On the **Parts** tab, you can now select whether to offset the start and end of welds when the main part is a rectangular hollow section. When the welds are offset, the end plate is not welded to the main part radius. Also, weld 4 has been added to control the four sides of the rectangular hollow sections separately. TSAC-9385
Full depth S (185)	On the **Plates** tab, you can now define the inner bottom edge chamfer of the shear tab. TSAC-9066
Haunch (40)	On the **Parameters** tab, you can now select the chamfer shape for all four corners of compression stiffeners. You can now also select to use a square chamfer. TSAC-8852
Hollowbrace wraparound gusset (59)	On the **Gusset conn 1** and **Gusset conn 2** tabs, you can now specify the weld arrangement for welds between the clip angles and the parts or gusset. Select whether one weld or three welds are created.  TSAC-8913

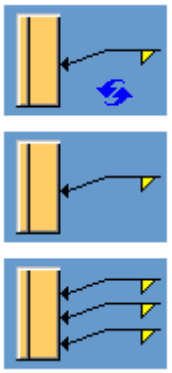
Component	What's new
Joining plates (14)	On the **Bolts** tab, you can now use the **Slots in** setting to specify the parts in which slotted holes are created. TSAC-8734
Joining plates (14), **Seating (30)**, **Stub connection (119)**	On the **Bolts** tab, you can now define the bolting direction. TSAC-9438
Joist to column, type 1 (161)	On the **Stb Ang Blts** tab, you can now define the cut length for stabilizer angle bolts. TSAC-9305
Multiple stiffeners (1064)	You can now create galvanizing holes in stiffeners on the new **Holes** tab. TSAC-9437
New notch (49)	It is now possible to create welds 5 and 6 between the main part flanges and the secondary part. TSAC-9673
Notched seating (9)	On the **Parameters** tab, you can now select whether weld 1 is created as a polygon weld. TSAC-9260
Railings (S77)	• On the **Vertical rails** tab, you can now select to cut the horizontal rail profiles by pickets when selecting the connection type between the pickets and the top and bottom rails. TSAC-9338 • Bend dimensions cut distances are now calculated by the component itself when they are left empty in the dialog to prevent solid errors and to correctly create bend. On the **Bends** tab, you can now define the bend dimensions separately for each of the eight corners of the stairs. TSAC-8770

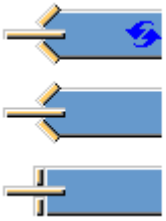
Component	What's new
	• On the **Middle rails** tab, you can now define closures for middle rails at the start and at the end of the railings. TSAC-7237
Seating (30)	On the **Bolts** tab, you can now define which bolts are deleted from the bolt group. TSAC-9759
Shear plate column with stiffener special (42)	On the **Stiffeners** tab, you can now define the distance between stiffener plate edges and primary part flanges. TSAC-7811
Shear plate to tube column (47)	Weld 1 has been improved so that it is now created on both sides of the main part. Also, on the **Parameters** tab, you can now define the **Weld start and end offset**. TSAC-9381
Shear plate tube column (189)	On the **Plates** tab, you can now define plates washers for bolts and select the plate washer side. TSAC-9707
Simple base plate 2 (1031)	On the **Picture** tab, you can now define different chamfer types at the corners of the base plate. TSAC-9389
Simple bolt connection (5)	On the **Picture** tab, you can now select in the **Create fitting** setting whether the secondary part is fitted. TSAC-9068
Spiral stair (68)	On the **Stanchions** tab, you can now move the stanchions around the stair spiral by a given distance. TSAC-9249
Splice type 1 (56)	The component now works with Z profiles. TSAC-8246

Component	What's new
Spiral stair (68)	On the **Stanchions** tab, you can now define to move the stanchion around the spiral stair by a given distance.  TSAC-9249
Stairs (S71)	• On the **Stair setup** tab, you can now define the **Bolt size** and **Bolt standard** when the **Step type** is **Catalog step**. This settings will override the setting read from the steps.dat file. TSAC-9002 • On the **Bracket** tab, you can now select the main part for the bracket bolts. TSAC-9536 • You can now use weld 5 and weld 6 to weld stringer flanges. TSAC-9578
Stairs (S71), **Wooden steps pan (S72)**, **Polybeam pan (S73)**	On the **Stair setup** tab, you can now select to create plate stringers as one continuous plate. TSAC-9314
Stanchions (S76)	On the **Parts** tab, you can now create stanchions as twin profiles. TSAC-7808
Stiffened end plate (27)	Horizontal stiffeners have been improved. On the **Parts** tab, there is a new setting **Create horizontal stiffeners** where you can select if only top, only bottom, or both stiffeners are created. You can also specify to which part the stiffeners are welded using the **Weld horizontal stiffeners to** setting.

Component	What's new
	On the **Parameters** tab, there are now separate chamfer settings for horizontal stiffeners. TSAC-9310
Stiffened notch (1006)	On the **Picture** tab, you can now define the stiffener offset from the end of the beam and the beam cut tolerance. TSAC-4981
Stiffeners (1003)	On the **Parameters** tab, you can now specify whether the left stiffener and right stiffener are created. TSAC-9509
Stringer to channel (127)	On the **Parts** tab, you can now define the width and height of the vertical plate. TSAC-8802
Tensioner brace (13), **Tensioner brace and compression bar (13)**	You can now also use custom components for the tensioner component connections. You can select the components from the **Applications & components** catalog on the **Joints** tab. TSAC-8626
Triangles generation (19)	• On the **Plate** tab, you can now select in **Join plates** that plates are connected by creating an assembly. TSAC-9640 • On the **Plate** tab, you can now define the numbering prefix and start number, name, material, and class separately for the primary plate and secondary plates. TSAC-9639
Tube crossing (22)	On the **Picture** tab, you can now define the brace length on the connection plate and the end plate

Component	What's new
	edge distance from the gusset plate separately for both secondary parts. On the **Brace conn** tab, you can now define the distance between the cover plate and the secondary part. TSAC-7280
Tube gusset (20)	• On the **Brace conn** tab, you can now define the distance between the cover plate and the secondary part. TSAC-8456 • On the **Brace conn** tab, you can now define the length of the cut in the connection plate when the plate is cut around the bracing. TSAC-7540 • On the **Gusset** tab, you can now define the height of triangular gusset plates. TSAC-6905
Tube rail (113)	Bolts are now placed symmetrically when you have selected to create a continuous rail on the **Parameters** tab. TSAC-8264
Tube splice (6), **Joining plates (14)**, **Tube gusset (20)**, **Tube crossing (22)**	On the **Parts**, you can now define the **Class** property for all parts. TSAC-9196
Unfold surface (21)	On the **UDA** tab, you can now define that the component GUID and unfolded part GUIDs are copied as UDAs to the original parts. TSAC-9695
U.S. Base plate (1047)	On the **Parts** tab, you can now define the **Class** property of the **Key profile**. TSAC-9699
Web stiffened base plate (1016)	You can now define the **Class** property for all parts. TSAC-9197

Component	What's new
Welded tee (32)	The following improvements have been made: • The default number of bolts is calculated based on the part height. • A second weld has been added for the T profile. • On the **Parameters** tab, you can now use the new **Cut extra material from tee flanges** setting to define that T profile flanges are cut if they exceed the main part width. TSAC-7141
Wraparound gusset (58)	• On the **Gusset bolts 1** and **Gusset conn 2** tabs, you can now specify the weld arrangement for welds between the clip angles and the parts or gusset. Select whether one weld or three welds are created.  TSAC-8912 • On the **Brace bolts 1** and **Brace bolts 2** tabs, you can now set separate bolt spacing for the gusset side and bracing side. TSAC-6624

Component	What's new
Wraparound gusset cross (60)	On the **Brace conn** tab, you can now select whether the brace ends are cut bevel or square.  TSAC-9253
Z Pan (S74)	• On the **Stair setup** tab, you can now select whether plate stringers are created as one continuous plate. TSAC-7821 • On the **Stair setup** tab, you can now define the **Assembly main part** of the stairs assembly: stringer, bottom landing, or top landing. TSAC-7820

6.3 Change in creating components in the Tekla Structures Graphite configuration

When using the **Tekla Structures Graphite** configuration, you can now create detailing components in the same way as when using the **Tekla Structures Diamond** configuration. Previously, you could only create conceptual components in the **Tekla Structures Graphite** configuration. This change enables a smooth workflow across the different Tekla Structures configurations without the risk of breaking the numbering of parts created by components. Administrators can control this new way of working (page 165) with the XS_USE_CONCEPTUAL_COMPONENTS_FOR_GRAPHITE advanced option.

TTSD-73370

6.4 Improvements in Bridge creator

Reduce processing time in complex bridge modeling with the re-engineered **Bridge creator**, now a native Tekla Structures plug-in that stores all configuration data in component objects instead of external files. The new centralized station library simplifies station creation and definition processes, and placement of straight components or beams on curved alignments is more consistent with chord-based positioning.

Re-engineered Bridge creator

Bridge creator is now a native Tekla Structures plug-in. All configuration data and geometric parameters are saved directly within the component objects inside the Tekla Structures model, rather than in external files. This eliminates the risk of losing design data due to deleted or misplaced external files. To modify any part of the bridge, double-click the object, and the **Bridge creator** plug-in automatically retrieves the specific object properties and logic from within the model.

Bridge creator now automatically assigns standardized names to geometry shapes during creation. This means that you do not need to manually name every shape, and also ensures consistent naming conventions across the entire project and decreases modeling time.

If **Bridge creator** is forced to close by an external plug-in or process, a dialog now appears allowing you to save your changes.

Bridge creator has a new icon on the ribbon and in the **Applications & components** catalog:

TSAC-8969, TSAC-9464, TTSD-74917

Work with alignments

In the **Bridge creator** dialog, click the **Read alignment** button to open the **Read alignment** dialog.

- You can now use an existing reference model inserted in the Tekla Structures model as an alignment. You can select the reference model, such as a LandXML file, from the **Reference models** list. You no longer need to browse for the file again.

  TSAC-9463

In the **Bridge creator** dialog, click the **More** button to open the **Manage alignments** dialog. The **Manage** tab contains the following new settings and features:

- Next to the **Get data from chainage** button and the **Chainage input** box, there is now the **Interval** box which you can use for inserting multiple layout points at a time.

  The default value for **Interval** is zero. If you only enter a value for **Chainage input** and keep the interval at zero, only one point is created. If you keep the chainage input at zero and enter a value for the interval, layout points are added across the entire alignment. If you enter values for the **Start** and **End** of the area of interest along with an interval value, points are created at that specified interval throughout the selected area.

  The **Area of interest** boxes have the start and end values of the loaded main road line.

  TSAC-9472

- You can now select any point in the model and automatically retrieve its reference station from the selected alignment. To do this, use the **Project point on alignment** button.

  TSAC-9541

- Select the **Create construction points** checkbox if you want to create points in the model when displaying chainage along an alignment. When the checkbox is not selected, physical points are not created, and the model remains clean and lightweight without redundant overlapping points.

  TSAC-9469

- Select the **Create construction line** checkbox if you want to create construction lines perpendicular to the alignment between specific stations at certain intervals.

  TSAC-9480

Manage stations and cross sections

In the **Bridge creator** dialog, click the **Stations** button to open the **Manage station library** dialog.

- New centralized libraries and rule-based logic handle station creation and definition with less effort. The new station library allows you to store and manage predefined key station values. You can manually enter station values or import them using a `.cvs` file.

  TSAC-9476

- Now you can also define start and end stations using either the **Start** and **End** values or the **Start** and **Length** values.

  TSAC-9477

In the **Bridge creator** dialog, click the **+** button next to the **Key sections** table to open the **Manage cross section library** dialog.

- Cross section names can now be modified directly in the **Section library** list. You no longer need to open the **Edit cross section** dialog for each cross section individually.

  TSAC-9473

In the **Bridge creator** or **Manage cross section library** dialog, select a cross section and click the  **Edit** button to open the **Edit cross section** dialog.

- The point type diagrams that open when you click the **Display point diagram** button have been updated to more accurately reflect how different point types function and interact.

  TSAC-9482

- Some texts in the **Point type** area have been updated to match the texts shown in the point type diagrams.

  TSAC-9861

Define bridge object properties

Tekla Structures 2026 introduces many new settings that are available in the **Bridge creator** dialog:

- You can define the cast unit type for extrusions and beams. To do this, go to the **General** or **Components** tab, and in the **Cast unit** list, select either **Cast in place** or **Precast**.

  TSAC-9794

- You can define a class for alignments and cross sections. This can be done during the creation of extrusions and the conversion of road lines. Class information can then be used in filtering, for example.

  For alignments, click the **More** button on the **General** tab, and then go to the **Import** tab in the **Manage alignments** dialog.

  For cross sections, go to the **Cross section creation** area on the **General** tab.

  TSAC-9793

- When you are placing beams or components, you can specify whether chainage intervals are measured along the arc or along the chord. Select an option from the new **Interval option** list on the **Components** tab. With the **Along the chord** option you can prevent straight components from clashing with each other when they are placed along a curved alignment (for example, straight pedestrian parapets placed on a curved bridge).

  TSAC-8753

- You can update or swap components in the model without needing to delete or recreate them. You can change a selected component after

creation by either reloading a new component or updating the text in the **Name** box on the **Components** tab. All other settings and properties stay the same.

TSAC-9471

- The default values of the following beam component properties have been updated on the **Components** tab: **Phase** = 1, **Class** = 1, **Part numbering** start number = 1, and **Assembly numbering** prefix = A.

  TSAC-9470

- You can use the new **Phase** box on the **Tension cables** tab to define a phase for tension cables. This ensures that the tension cables are added to the correct phase immediately upon creation.

  TSAC-9479

Fixes

- Previously, when you clicked the **Delete** button in the **Edit cross section** dialog without selecting any points, **Bridge creator** stopped working. This issue has now been fixed.

  TSAC-9415

- Previously, when you copied a beam component on the **Components** tab in the **Bridge creator** dialog, the phase information was missing from the copy. This issue has now been fixed.

  TSAC-9466

7 What's new in Template Editor, templates, and reports in Tekla Structures 2026

Tekla Structures introduces a new way to produce modern, secure, and professional-looking Excel reports (.xlsx). Template Editor has several improvements for managing template layouts and data output.

In Template Editor, you can now align multiline text vertically to the middle, define custom line spacing, and use UTF8 encoding for textual templates. New controls also allow you to combine unique text values from sum rows, define row borders and row background color for Excel reports, and use the new FindAny() function in formulas. Additionally, the save location for new and edited graphical and textual templates has changed.

7.1 Create Excel (XLSX) reports

You can now create Excel (`.xlsx`) reports in Tekla Structures. The content and formatting of these reports is defined using an `.xlsx.rpt` template created with Template Editor, and an `.xltx` template created with Microsoft Excel.

This new functionality significantly simplifies and modernizes Excel reporting in Tekla Structures. Earlier, you had to use HTML-based templates or Organizer to export reports in the `.xls` format. Compared to these methods, the new Excel reporting method:

- **Eliminates VBA macros:** You no longer need to create and maintain complex, brittle VBA macros, which are difficult to edit and are increasingly restricted by corporate IT security policies.
- **Provides full formatting control:** Unlike the limited HTML-based report (`.xls.rpt`), this method allows for fully pre-configured Excel templates (`.xltx`). You can define company logos, headers/footers, print settings, cell

formats, and advanced table styles. The final report is a native, ready-to-use Excel file.

- **Improves security and compatibility:** The resulting modern `.xlsx` format is the industry standard and avoids security filters that often block or quarantine older macro-enabled `.xls` files.
- **Streamlines workflow:** The process is more direct and intuitive, reducing the steps to get a polished, finalized report from Tekla Structures.

How it works

The new Excel export is triggered when you create a report from a template saved with the `.xlsx.rpt` file name extension. This method uses two key components: An Excel template file (`.xltx`) and a textual Template Editor template file (`.xlsx.rpt`).

1. **Prepare the Excel template (`.xltx`).**

   In Microsoft Excel, design your report layout and save the file as an Excel template (`.xltx`) in one of the standard Tekla Structures folders (model, project, firm, or system).

   The Excel template is a standard, pre-formatted Excel template file, containing the desired final layout (company logos, static text, cell formatting, formulas, print settings) and special placeholders to tell Tekla Structures where to insert data.

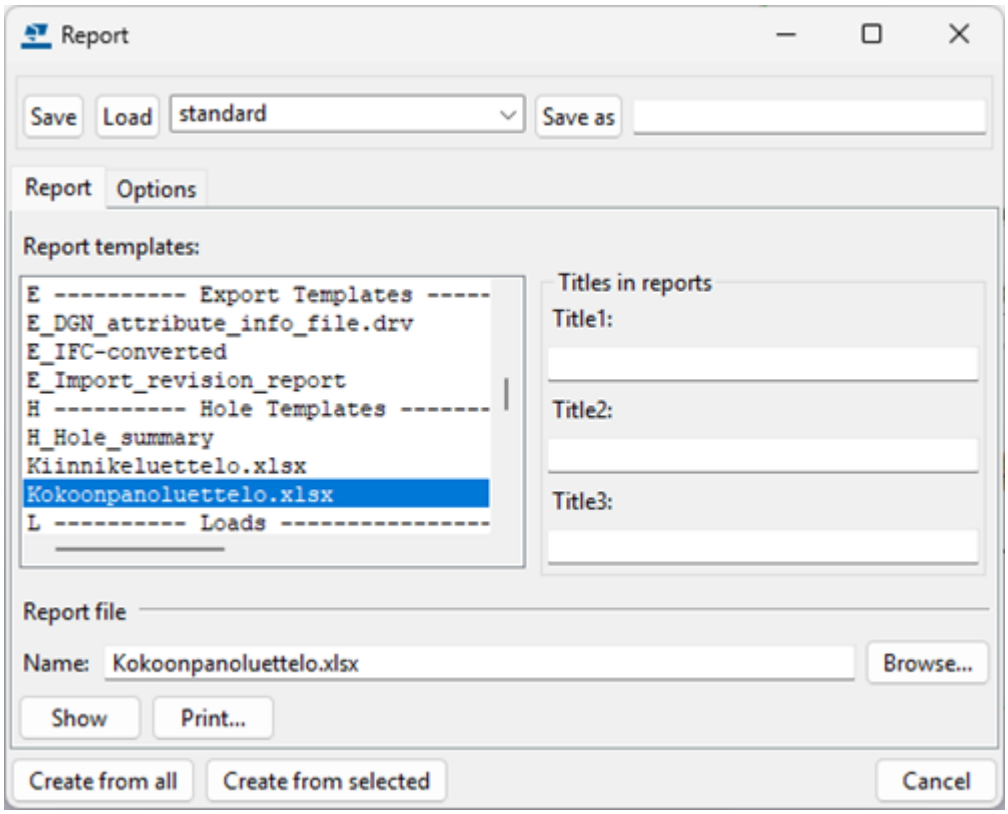
2. **Prepare the Template Editor template (`.xlsx.rpt`).**

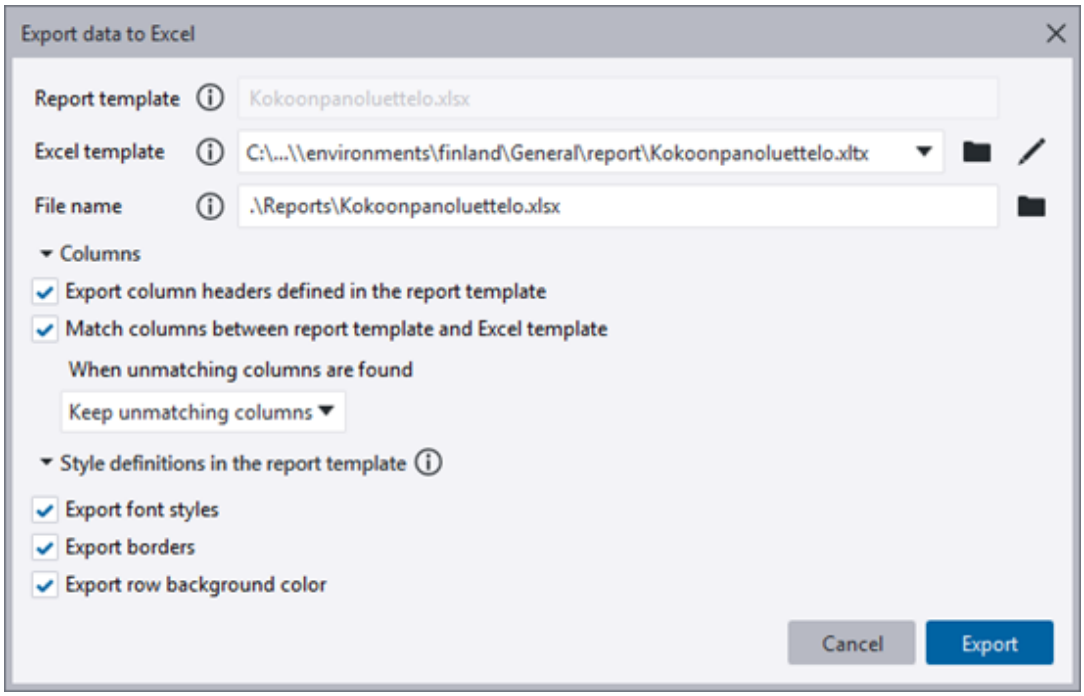
   In Template Editor, create a new textual template or modify an existing one and save the template with the `.xlsx.rpt` file name extension in your model or company standards folders.

   The last line of the header may contain the column headers for the data rows to be used if column mapping needs to be done. If the columns are in the same order in both templates, mapping is not necessary. The row components contain the data to be exported. You can also apply some formatting properties to the template in Template Editor (background color, borders, font styles).

3. **Export the report.**

   In the **Report** dialog in Tekla Structures, select a report template with the `.xlsx` file name extension and click **Create from all** or **Create from selected**. In the displayed **Export to Excel** dialog, select the Excel template (`.xltx`) to use, define other export options, and click **Export** to generate the `.xlsx` file.





The report opens automatically in the associated viewer. For detailed instructions and option descriptions, see "Prepare and create an Excel (XLSX) report" in the "Plan and track projects" product guide.

Notes and limitations

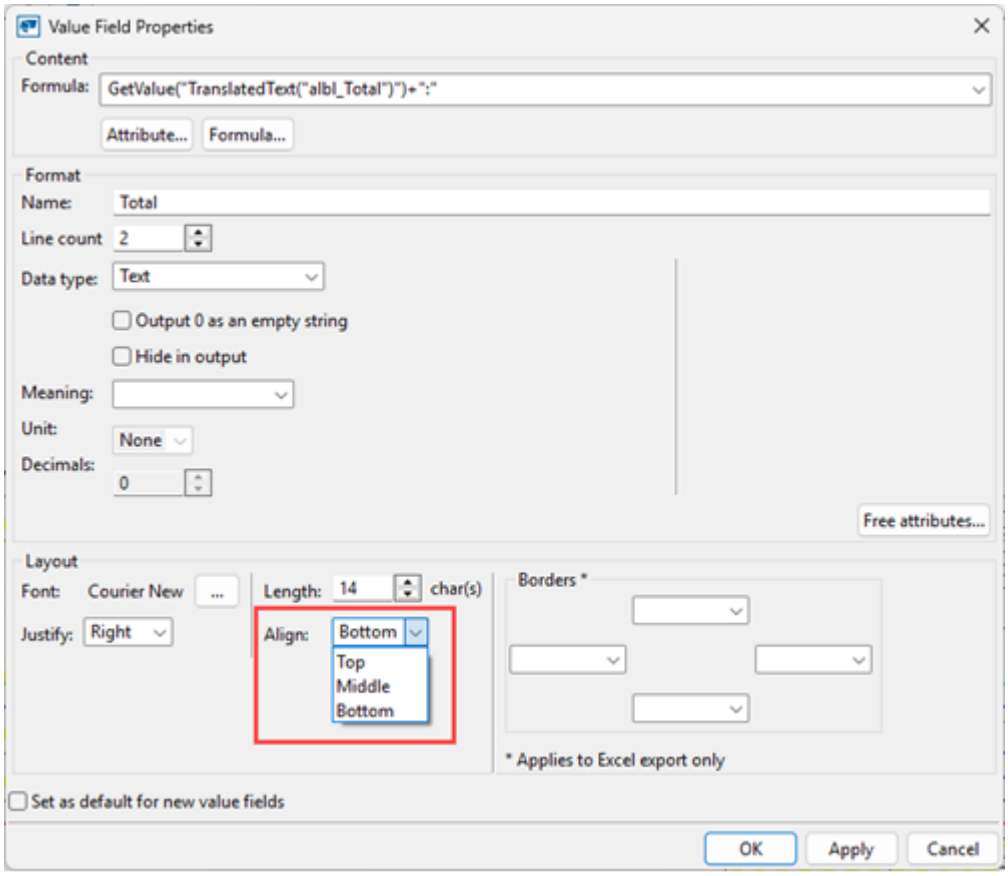
- This new method is an addition, not a replacement. All old methods for creating Excel reports will continue to work.
- For complex formatting, like using Excel's built-in table styles for alternating row colors, we highly recommend you to define it within the `.xltx` Excel template, rather than relying on the basic formatting options in the `.rpt` file.
- Report logic, such as `if` statements, is still handled within the Template Editor's value field formulas, not within the export process itself.
- The curly brackets `{}` are reserved for Tekla Structures attributes, avoid using them for non-attribute text.

TTSD-72774, TPLED-370

7.2 Template Editor improvements

Align text in value fields

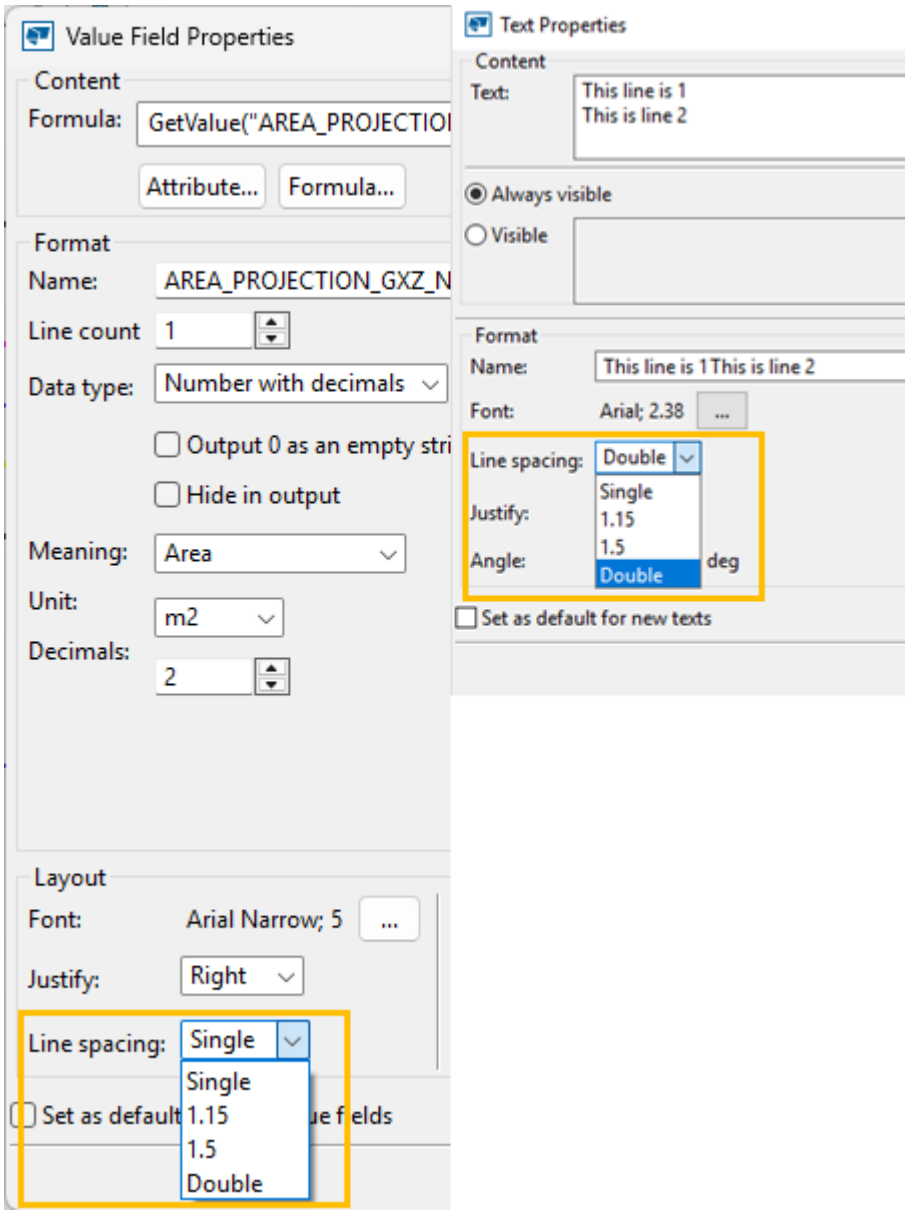
You can now align multiline text vertically to the middle in graphical and textual templates. Previously, multiline text could only be aligned to the top or bottom. Also, the **Align** control has been moved to the **Layout** area in the **Value Field Properties** dialog.



TPLED-328, TPLED-182, TPLED-343

Define line spacing

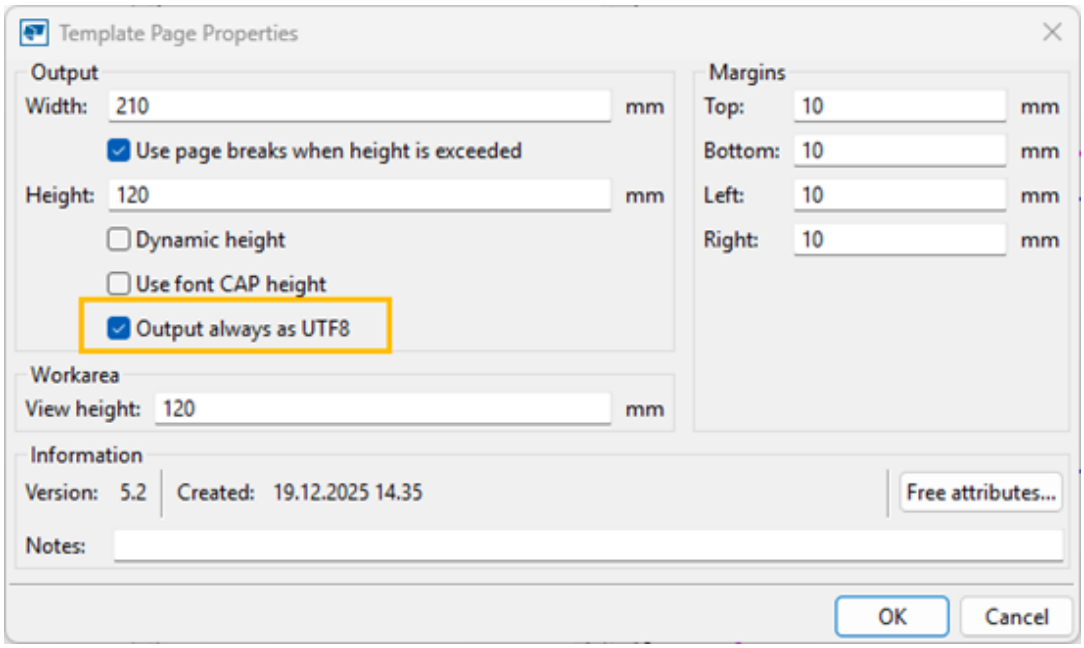
In graphical templates, you can now define line spacing for multiline texts and value fields with the new **Line spacing** setting. The available options are **Single**, **1.15**, **1.5**, and **Double**.



TPLED-151, TPLED-202

UTF8 support in textual templates

Textual templates can now be defined to output text always with UTF8 encoding using the new **Output always as UTF8** setting.

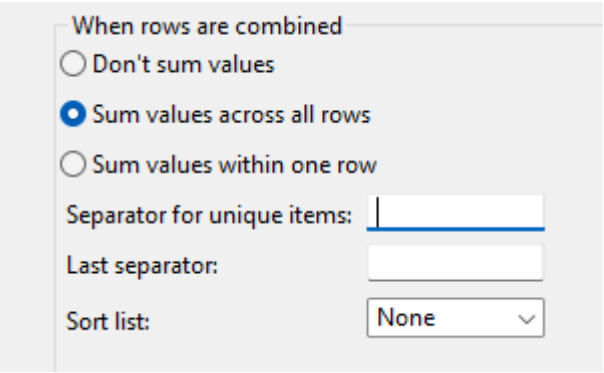


TPLED-373

Combine unique text values from sum rows into single text value

In textual and graphical templates, unique text values in value fields can now be combined into a single text value when rows are combined. Define a separator using the new **Separator for unique items** box in the **Value Field Properties** dialog. Use the new **Last separator** box to define the last separator individually.

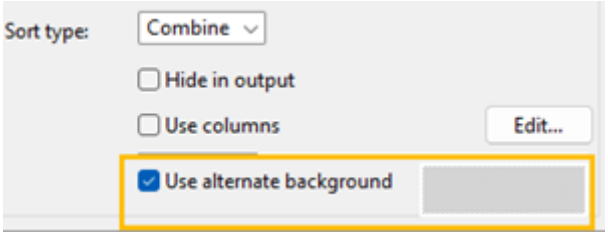
The unique text values in value fields can now be combined and sorted into a single text value when rows are combined using the new **Sort list** control.



TPLED-382, TPLED-392

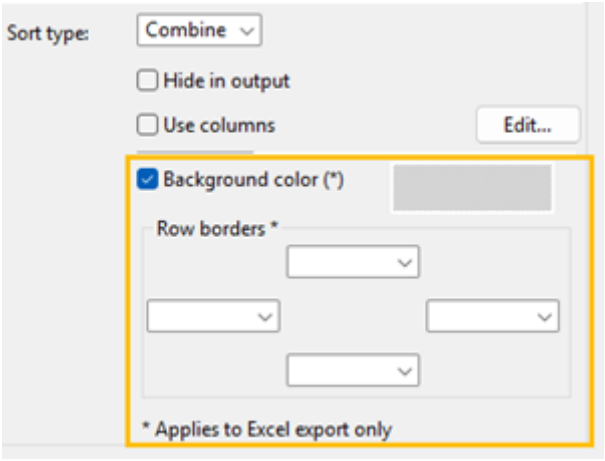
Define row background color and row borders

- In graphical templates, you can now define an alternate row background color in the **Row Properties** dialog using the new **Use alternate background** control.



TPLED-197

- In textual templates, in the **Row Properties** dialog, you can now define the row background color using the new **Background color** control, and row borders for the entire exported row, not just cell-to-cell borders, using the new **Row borders** control. The background color and the row borders can be applied to Excel reports only.



TPLED-286, TPLED-286

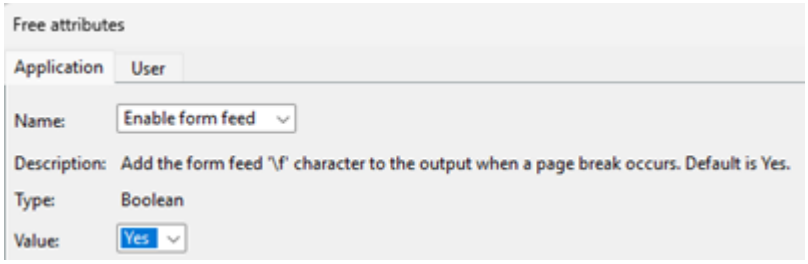
Align pictures

In graphical templates, you can now define picture alignment in the **Picture Properties** dialog. The **Horizontal** and **Vertical** settings are only applied when the image file is resolved based on a rule and the resulting image is smaller than the original space reserved for it.

TPLED-324

Support for form feed in output

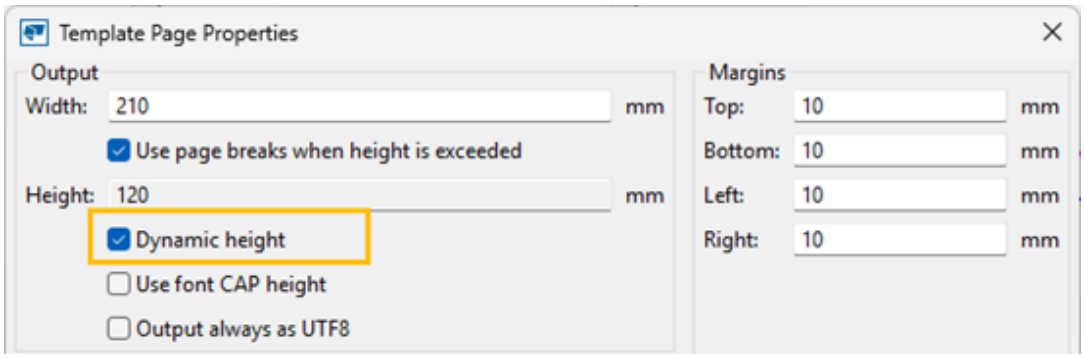
In textual and graphical templates, a new application type free attribute, **Enable form feed**, has been added to the **Application** tab in **Free attributes** in the **Template Page Properties** dialog. The default value is **Yes**. Form feed characters (\f) are enabled by default.



TTSD-63796

Match graphical template height to drawing height

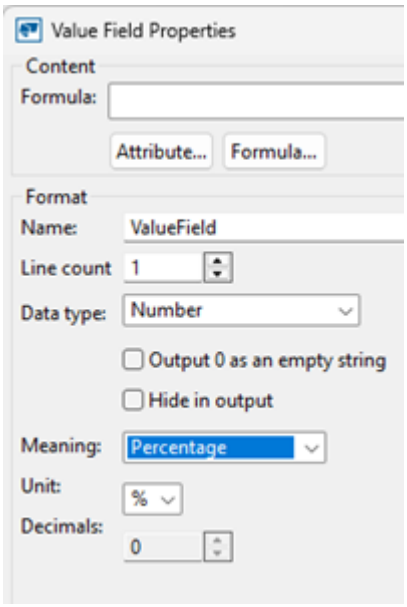
In graphical templates, you can now set the template height to match the drawing height using the new **Dynamic height** checkbox in the **Template Page Properties** dialog.



TPLED-198

Percentage available as meaning and as unit

In graphical and textual templates, in the **Value Field Properties** dialog, **Percentage** is now available in the **Meaning** list, and '%' in the **Unit** list.



TPLED-291

New FindAny() function

In graphical and textual templates, the new `FindAny()` function returns the offset of a string or character and ends the search when any of the conditions are met. If the search does not reveal a match, -1 is returned. This works in both value field formulas and row rules.

Parameters: source string, string (for a character search) OR source string, substring, substring (for a substring search)

Example of character match

```
FindAny(GetValaue("DESCRIPTION"), "=; ")
```

This example searches for the first occurrence of '=', ';' or ' ' in a string and returns the offset when the first of those is found. The character count for the string starts at 0.

Example of substring search

```
FindAny(GetValaue("DESCRIPTION"), "X:", "Y:", "End", "Start")
```

This example searches for the first occurrence of the strings "X:", "Y:", "End" or "Start" and returns the offset when the first of those is found. The search for the strings is case-sensitive, so it will not find instances of "x:", "y:", "end" or "start".

TPLED-389

Location for graphical (TPL) and textual (RPT) templates

Graphical templates

New and edited graphical template files (`.tpl`) are now saved in the `\templates` folder under the current model folder. By default, Tekla

Structures searches for the `.tpl` files from the root of the model folder and from the `\templates` folder under the model folder. Previously, graphical templates were saved in the environment folders.

Textual templates

New and edited textual template files (`.rpt`) are now saved in the root of the model folder and searched from there. Previously, textual templates were saved in the environment folders.

TTSD-73091

8 What's new in template attributes in Tekla Structures 2026

Tekla Structures 2026 introduces some new template attributes and changes in existing templates.

You can use template attributes in filtering and in drawing and report templates. When you open a drawing or create a report, Tekla Structures uses the attributes and formulas to calculate and display information from the model database. The template attributes that are available in a template row definition depend on the content type of the row.

8.1 New template attributes

- Use the `BIND_TO_LEVELS` template attribute to report all parts that have been bound to grid levels. The attribute returns 1 if the part is bound to a grid level, and 0 if the part is not bound to any grid level.

  TTSD-70773

- The new IMAGE_ID template attribute shows the image ID in the format <Id>-<SubId>. This attribute is used in reports and in some exports when exporting image ID information, for example, in the BVBS export.

  TTSD-71601

- Now you can get the full file name including the file name extension and the full file path including the full file name of the current report using the new template attributes OUTPUT_FILENAME and OUTPUT_FILEPATH. You can use these attributes in the report template footer, for example.

  TPLED-318

8.2 Changed template attributes

REBAR and SINGLE_REBAR content types to support level attributes

The content types REBAR and SINGLE_REBAR now support the following level-related template attributes:

TOP_LEVEL

TOP_LEVEL_GLOBAL

TOP_LEVEL_BASEPOINT

TOP_LEVEL_PROJECT

BOTTOM_LEVEL

BOTTOM_LEVEL_GLOBAL

BOTTOM_LEVEL_BASEPOINT

BOTTOM_LEVEL_PROJECT

These template attributes can be used to get the top level and bottom level values in reports and in rebar marks for rebar objects, such as single bars, bar groups, and rebar set bar groups.

Limitation: A rebar group in SINGLE_REBAR content type can only get a value for the whole rebar group instead of values for individual bars in the rebar group.

TTSD-69106

New content types for building hierarchy elements

The content types `BUILDING`, `BUILDING_SECTION`, and `BUILDING_STOREY` are now available along with their user-defined attributes.

TTSD-69723

Assembly bounding box attributes to use unrestricted extrema

The bounding box template attributes for assemblies (`ASSEMBLY.BOUNDING_BOX_MIN/MAX_X/Y/Z`), such as `ASSEMBLY.BOUNDING_BOX_MIN_X`, now use unrestricted extrema, which means that the drawing view restriction box does not affect the value.

TTSD-66559

9 What's new in advanced options in Tekla Structures 2026

In Tekla Structures 2026, there are some new advanced options, and some of the advanced options have become obsolete.

You can use advanced options for configuring Tekla Structures to suit the way you work, or to comply with specific project requirements or industry standards. You can change advanced options values in the **Advanced options** dialog, or in the initialization files.

9.1 New advanced options

XS_DRAWING_TEXT_FILE_OBJECT_USE_EXTERNAL_EDITOR

The new XS_DRAWING_TEXT_FILE_OBJECT_USE_EXTERNAL_EDITOR advanced option controls which editor opens when you select to edit a linked `.txt` or `.rtf` file in a text editor. Set this advanced option to `TRUE` to always use the associated external application for viewing and editing the `.txt` and `.rtf` files. Set it to `FALSE` to use the new Tekla Structures built-in text editor. `FALSE` is the default value.

This advanced option is located in the **Drawing properties** category of the **Advanced options** dialog.

TTSD-73127

XS_DSTV_LIST_WEIGHT

NET weight is primarily required for plates and GROSS weight for profiles. A new advanced option, XS_DSTV_LIST_WEIGHT, has been added for specifying whether gross or net weight is used in the part lists in the NC export. There are three options available:

`WEIGHT` - Checks if the part is a plate, and uses net weight for plates and gross weight for profiles in part list export.

`WEIGHT_NET` - Uses net weight in part list export.

`WEIGHT_GROSS` - Uses gross weight in part list export.

This new advanced option is located in the **CNC** category of the **Advanced options** dialog.

`XS_DSTV_LIST_WEIGHT` replaces the old advanced option `XS_DSTV_LIST_NET_WEIGHT`.

This new advanced option was already introduced in Tekla Structures 2025 SP1.

TTSD-67596

New advanced option for controlling drawing view placing and scaling in cloning

A new advanced option, XS_DRAWING_CLONING_VIEW_PLACING, has been added to control drawing view placing and view and sheet size scaling when a drawing is cloned. `TRUE`, `SCALE`, `SHEET` is the default value allowing views to be replaced and resized during cloning.

We recommend that you use the default value with this advanced option. If automatic scaling of drawing views (**Layout** --> **Scale** --> **Autoscale**) or automatic size of drawing sheets (**Layout** --> **Drawing size** --> **Size definition mode** --> **Autosize**) are not used in your projects, you can change default value to `TRUE`.

Previously, view placing and view and sheet size scaling were controlled for both drawing cloning and update by the advanced option XS_DRAWING_UPDATE_VIEW_PLACING. However, you often need different behavior when you are either cloning or updating a drawing, and now this behavior can be controlled separately.

`XS_DRAWING_UPDATE_VIEW_PLACING` now only affects view placing and view and sheet size scaling during drawing updates. You can use the same values for both advanced options: `TRUE` (default), `FALSE`, `SCALE`, `SHEET`, and `GA`. The value `CLONING_ONLY` has been removed.

This new advanced option was already introduced in Tekla Structures 2025 SP1.

TTSD-68946

XS_REBAR_BENT_MESH_PULLOUT_DIMENSIONS_INCLUDE_LONGITUDINAL_BARS

An advanced option, XS_REBAR_BENT_MESH_PULLOUT_DIMENSIONS_INCLUDE_LONGITUDINAL_BARS, has been added to control whether longitudinal bars are taken into account in the dimensions shown in a rebar pull-out picture for a bent mesh. Set this advanced option to `TRUE` to take into

account the longitudinal bars, and `FALSE` to ignore them. `TRUE` is the default value. This advanced option affects pull-out pictures in marks and templates.

This advanced option is located in the **Drawing properties** category of the **Advanced options** dialog.

TTSD-74429

XS_ENABLE_MODEL_EDITING_IN_GA

The new XS_ENABLE_MODEL_EDITING_IN_GA advanced option controls whether you can edit a model while having a general arrangement drawing open. The default value of the advanced option is `TRUE`, which means that editing the model is possible.

This advanced option is located in the **Modeling properties** category of the **Advanced options** dialog.

TTSD-69686

XS_USE_CONCEPTUAL_COMPONENTS_FOR_GRAPHITE

In the **Tekla Structures Graphite** configuration, detailing components can now be created in the same way as in the **Tekla Structures Diamond** configuration. This change is enabled with the new XS_USE_CONCEPTUAL_COMPONENTS_FOR_GRAPHITE advanced option that is by default set to `FALSE`. If the advanced option is set to `TRUE`, only conceptual components can be created in the **Tekla Structures Graphite** configuration. We recommend that this system-specific advanced option is used by administrators only.

Previously, only conceptual components could be created in the **Tekla Structures Graphite** configuration.

TTSD-73370

9.2 Obsolete advanced options

APPL_ERROR_LOG

This advanced option is no longer supported. Instead, use the XS_LOGPATH advanced option.

TTSD-69882

XS_ADAPTIVE_OBJECTS

This advanced option has been hidden from the Tekla Structures user interface. Instead of this advanced option, you can use the **Default adaptivity** setting in **File** --> **Settings** --> **Options** --> **General**.

TTSD-70206

XS_DSTV_LIST_NET_WEIGHT

This advanced option has been replaced with the advanced option XS_DSTV_LIST_WEIGHT. `XS_DSTV_LIST_NET_WEIGHT` was used for setting either net weight (`TRUE`) or gross weight (`FALSE`) for part lists in the NC export.

TTSD-67596

XS_ARC_WIDTH_OF_CLOUD

This advanced option has been hidden from the Tekla Structures user interface. It was used to control the width of cloud arcs for the entire model. Now you can define the cloud arc width for each cloud instance separately in the **Cloud** property pane using the **Width** property.

TTSD-72994

Advanced options for rebar visibility

The following advanced options have been hidden from the Tekla Structures user interface:

- `XS_REBARSET_SHOW_LEGFACES`
- `XS_REBARSET_SHOW_GUIDELINES`
- `XS_REBARSET_SHOW_PROPERTY_MODIFIERS`
- `XS_REBARSET_SHOW_SPLITTERS`
- `XS_REBARSET_SHOW_END_DETAIL_MODIFIERS`
- `XS_DISPLAY_DIMENSIONS_WHEN_SELECTING_REBARS`
- `XS_REBARSET_COLOR_BARGROUPS`

Instead of these advanced options, you can use the **Rebar** --> **Visibility** commands on the ribbon, or the keyboard shortcuts **Alt+1...7**.

TTSD-74620

9.3 List of obsolete advanced options across Tekla Structures versions

The Obsolete advanced options page provides information about the advanced options that have become obsolete in Tekla Structures in version 2018 and newer.

10 Tekla Structures 2026 administrator's release notes

Administrator's release notes provide information about new features and enhancements for advanced users that are available in a new Tekla Structures version.

For general upgrade instructions for administrators, see .

For feature-specific instructions for how to apply additional customizations related to new features, see these feature pages in the Tekla Structures 2026 release notes (page 7).

- New clipboard for copying and pasting model and drawing objects (page 13)
- New way to manage model views: Model views side pane (page 19)
- Easy way to set the model background color (page 27)
- Bind parts to grid levels (page 33)
- New Freeze rebar sets command and other updates in reinforcement features (page 39)
- Intuitive 2D sketching, editing, and annotations in drawings (page 65)
- Integrated Trimble Connect property sets (page 97)

Administrator's release notes contents:

10.1 Administrator's release notes: Licensing changes in Tekla Structures 2026

Tekla Structures 2026 includes these changes related to licensing.

Changes to user management and terminology related to licensing

To prepare for unifying user and license management systems across different Trimble products, there are changes to terminology, and to how users belong to company accounts (previously called organizations) in Tekla Structures 2026.

Changes to terminology

For consistency between different systems, terminology related to users and licensing has been updated in Trimble User Assistance and in the user interfaces of these Tekla online services:

- Tekla Online Admin Tool
- Tekla Warehouse
- Online Profile for Tekla products and services

Previous term	New term
Organization	Account
External license user	Member

The term *employee* has not changed, but now refers to a role that is assigned to users rather than membership in an account. The account where a user has the employee role is the user's *home account*.

Changes to user management

Previously, users were automatically invited as employees unless you invited them as external license users in the Tekla Online Admin Tool. Now, you must select the employee role to invite new users as employees. Users must have the employee role to be able to access the company's content in Tekla Warehouse and to share the models that belong to the company's account in Tekla Model Sharing.

Compatibility with legacy on-premises licensing tools

To use Tekla Structures 2026 with legacy on-premises licensing tools, you must upgrade to the 2025 version of the licensing tools.

Tekla Structures 2026 is not compatible with earlier versions of these legacy on-premises licensing tools:

- Tekla License Server (Tekla License Administration Tool)
- Tekla License Borrow Tool
- Tekla On-Demand License Administration Tool

Change in Tekla Structures Graphite configuration - now creating detailing components

The **Tekla Structures Graphite** configuration has been changed so that detailing components can now be created in the same way as in the **Tekla Structures Diamond** configuration. Users in both configurations can now work with components confidently, without the risk of breaking the numbering of parts created by components. Previously, only conceptual components could be created in the **Tekla Structures Graphite** configuration.

Administrators can control the creation of components in the **Tekla Structures Graphite** configuration with the new advanced option. We recommend that this advanced option is used by administrators only. The advanced option is system specific and is read from `teklastructures.ini`. Administrators are recommended to specify the option in the `options.ini` file in `XS_FIRM` for all users.

The default value of the advanced option is `FALSE`, which means that components are created in the same way as in the **Tekla Structures Diamond** configuration. If set to `TRUE`, only conceptual components can be created in the **Tekla Structures Graphite** configuration.

TTSD-73370

10.2 Administrator's release notes: New in Tekla Model Sharing

In Tekla Structures 2026, the new On-premises Management Console for Tekla Model Sharing is now available. There are also changes to compatibility between different versions of Tekla Structures and on-premises tools for Tekla Model Sharing.

On-premises Management Console for Tekla Model Sharing

The new On-premises Management Console for Tekla Model Sharing provides browser-based access for administrators to manage models that are shared using an on-premises sharing service for Tekla Model Sharing.

The On-premises Management Console for Tekla Model Sharing runs on the same server as the on-premises sharing service for Tekla Model Sharing. The On-premises Management Console works in the same way as the cloud-based Management Console, with these exceptions:

- Malware scanning is not available in the On-premises Management Console for Tekla Model Sharing.
- Settings related to the model data storage location are not available in the On-premises Management Console for Tekla Model Sharing. The

geographical location of your private on-premises sharing service for Tekla Model Sharing is the model data storage location.

- The **Notifications** page is not available in the On-premises Management Console for Tekla Model Sharing.
- The On-premises Management Console for Tekla Model Sharing uses Windows Active Directory to authenticate administrators. The user profile shows the Windows user information of the current user.

Compatibility with on-premises tools for Tekla Model Sharing

Due to changes in the on-premises tools for Tekla Model Sharing that are not backward compatible, there are now parallel versions of the tools that are compatible with different versions of Tekla Structures.

Tekla Structures 2026 requires version 4 of these on-premises tools for Tekla Model Sharing:

- On-premises sharing service for Tekla Model Sharing
- On-premises Management Console for Tekla Model Sharing
- Cache service for Tekla Model Sharing

Version 3 of these tools is compatible with Tekla Structures 2020 to 2025.

If you use both Tekla Structures 2026 and an earlier version of Tekla Structures, you can install both versions of the on-premises tools for Tekla Model Sharing.

10.3 Administrator's release notes: Improvements in the new profile catalog

These improvements have been made in the new profile catalog in Tekla Structures 2026.

The new profile catalog is now enabled by default in the default environment. If you use a custom environment where the new profile catalog is not enabled, add `set XS_USE_OLD_PROFILE_CATALOG=false` to one of these files:

- The `env_global_default.ini` file in the `Environments\common` folder
- The `env_<EnvironmentName>_environment.ini` file in a specific environment folder.

You can now do these tasks in the new profile catalog:

- Manage user-defined attributes (UDAs) in profiles
- Upload profiles and groups from a model to Tekla Warehouse

- Insert profiles and groups from Tekla Warehouse into a model
- Modify sketched parametric profiles
- Modify parametric profiles with variable cross sections.

We recommend that all users use the new profile catalog, but if you want to continue using the original profile catalog, you can re-enable it.

10.4 Administrator's release notes: Miscellaneous general improvements

This version of Tekla Structures includes these general improvements.

New advanced option: XS_DSTV_LIST_WEIGHT

The new `XS_DSTV_LIST_WEIGHT` advanced option replaces the old `XS_DSTV_LIST_NET_WEIGHT` advanced option.

For more information, see What's new in advanced options in Tekla Structures 2026 (page 161).

Change the value of the advanced option in your `.ini` file if needed.

TTSD-67596

End Condition UDAs for bent plates and lofted plates

End Condition UDAs are now also available for bent plates and lofted plates.

If you use a custom `objects_EndConditions.inp` file, add these attributes to your `objects_EndConditions.inp` file:

```
/
**********************************************************************
*/
/* Bent plate attributes */
/
**********************************************************************
*/
bentplate(0,"j_bent_plate")
{
 tab_page("EndConditions","jd_EndConditions",6)
 modify(1)
}

/
**********************************************************************
*/
/* Lofted plate attributes */
/
**********************************************************************
*/
loftedplate(0,"j_lofted_plate")
```

```
{
 tab_page("EndConditions","jd_EndConditions",6)
 modify(1)
}
```

TTSD-68165

10.5 Administrator's release notes: Project Settings Management Console (Preview)

The Project Settings Management Console is a web-based tool that lets you manage your project settings, environments, and other project files in the cloud. You can create custom cloud-based environments to enhance collaboration and ensure consistent settings for users who open models using Tekla Launcher.

Creating and sharing project settings in the Project Settings Management Console is an alternative to distributing customized settings using files in the project or firm folders.

With the Project Settings Management Console, you can:

- Gather your collections, dependencies, and organization standards in the Project Settings Management Console.
- Test your settings in the cloud-based sandbox without affecting projects in production use.
- Publish the finalized settings to the cloud to make them available for all users who work on the project.

After you publish the settings, Tekla Launcher automatically gets the latest published settings from the cloud. Users can create new models where all users have consistent settings.

For more information, see .

10.6 Administrator's release notes: Steel settings

The following customization settings only apply to the steel user group.

Administrator's release notes: Steel components

There are several improvements in steel components in Tekla Structures 2026.

Update your standard files if you want to use your own default values for the new options and features.

For more information about these improvements, see What's new in components in Tekla Structures 2026 (page 125) in the Tekla Structures 2026 release notes.

10.7 Administrator's release notes: Concrete settings

The following customization settings only apply to the concrete user group.

Administrator's release notes: Concrete components

There are several improvements in concrete components in Tekla Structures 2026.

Update your standard files if you want to use your own default values for the new options and features.

For more information about these improvements, see What's new in components in Tekla Structures 2026 (page 125) in the Tekla Structures 2026 release notes.

11 Tekla Structures Localization release notes

Localization release notes for Tekla Structures introduce new and changed features specific to different environments in the new Tekla Structures version.

Localization release notes list the features that have been localized in your environment and provide guidance in customization tasks. These release notes are provided by the localization teams at local areas and reseller offices.

12 Disclaimer

Use of the Software and of this Software Manual are governed by a License Agreement which determines whether you are an authorized user of the Software and the Software Manual. The warranties and disclaimers set forth in the License Agreement apply to the Software and the Software Manual. Neither the Trimble entity granting the license nor any of its affiliates assume responsibility that the text is free of technical inaccuracies or typographical errors. The right to make changes and additions to this manual is reserved.

Trimble and certain product names are registered trademarks of Trimble Inc. in the United States, the European Union and other countries and may have similar statutory protections. Trademarks of third parties are not mentioned in this Manual to suggest an affiliation with or endorsement by their owners.

Elements of the software described in this Manual may be the subject of pending patent applications in the European Union and/or other countries.

Portions of this software:

in writing, possession of this technology shall not be construed to confer any license or rights under any Flexera Software LLC intellectual property rights, whether by estoppel, implication, or otherwise.

To see the third party open source software licenses, go to Tekla Structures, click **File menu** --> **Help** --> **About Tekla Structures** --> **3rd party licenses** and then click the option.