Efficient planning of Formwork and Scaffolding

Functional Description BIM²form
from Version 26.2.0

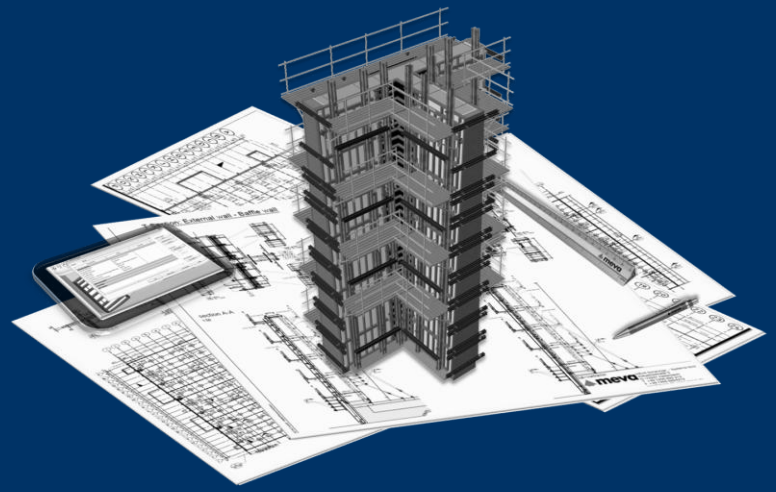


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Agenda

Introduction

Operating Instructions

Wall

Slab

Manage

BIM²form Introduction

On our website you will find all information about our product BIM²form.

We also provide the system requirements and other indications for download.

Please note: BIM²form licences are linked to individual users.

We offer BIM²form as a 21 days free trial.

Download your Free Trial HERE.

If you have any further questions regarding the product or functions, please do not hesitate to contact us any time.

Contact

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GERMANY

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www.bim2.eu
info@bim2.eu
Follow us:

BIM²form Introduction Revit Versions

BIM²form is available for the latest three Revit releases.

At the moment these are:

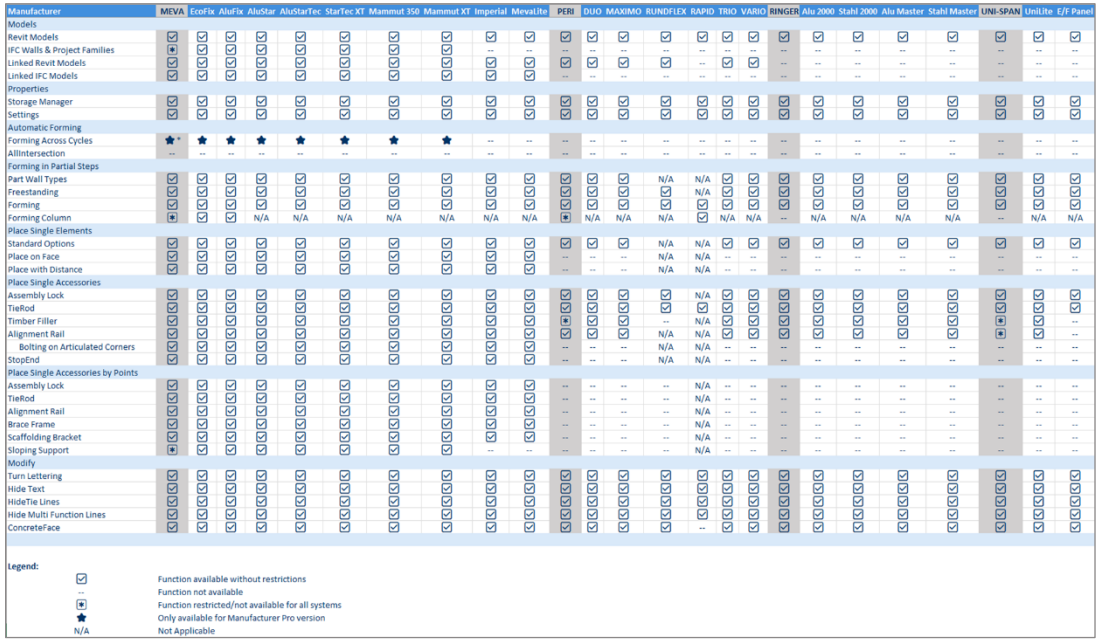
- Revit 2024
- Revit 2025
- Revit 2026



BIM²form Introduction Feature Availability

Not all features are yet available for every manufacturer or system.

A detailed overview can be found ➡️ HERE.



Manufacturer	MEVA	EcoFix	AluFix	AluStar	AluStarTec	StarTec XT	Mammut 350	Mammut XT	Imperial	MevaLite	PERI	DUO	MAXIMO	RUNDFLEX	RAPID	TRIO	VARIO	RINGER	Alu 2000	Stahl 2000	Alu Master	Stahl Master	UNI-SPAN	UniLite	E/F Panel
Models																									
Revit Models	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
IFC Walls & Project Families	⊡	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Linked Revit Models	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	☑	☑	--	--	--	--	--	--	--	--
Linked IFC Models	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Properties																									
Storage Manager	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Settings	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Automatic Forming																									
Forming Across Cycles	★*	★	★	★	★	★	★	★	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AllIntersection	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Forming in Partial Steps																									
Part Wall Types	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	N/A	N/A	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Freestanding	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	N/A	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Forming	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Forming Column	⊡	☑	☑	N/A	N/A	N/A	N/A	N/A	N/A	N/A	⊡	N/A	N/A	N/A	☑	N/A	N/A	--	N/A	N/A	N/A	N/A	--	N/A	N/A
Place Single Elements																									
Standard Options	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	N/A	N/A	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Place on Face	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	N/A	N/A	--	--	--	--	--	--	--	--	--	--
Place with Distance	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	N/A	N/A	--	--	--	--	--	--	--	--	--	--
Place Single Accessories																									
Assembly Lock	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	N/A	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
TieRod	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Timber Filler	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	⊡	☑	☑	--	N/A	☑	☑	☑	☑	☑	☑	☑	⊡	☑	--
Alignment Rail	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	N/A	N/A	☑	☑	☑	☑	☑	☑	☑	⊡	☑	--
Bolting on Articulated Corners	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	N/A	N/A	--	--	--	--	--	--	--	--	--	--
StopEnd	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	N/A	N/A	--	--	--	--	--	--	--	--	--	--
Place Single Accessories by Points																									
Assembly Lock	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
TieRod	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
Alignment Rail	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
Brace Frame	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
Scaffolding Bracket	⊡	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
Sloping Support	⊡	☑	☑	☑	☑	☑	☑	☑	--	--	--	--	--	--	N/A	--	--	--	--	--	--	--	--	--	--
Modify																									
Turn Lettering	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Hide Text	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
HideTie Lines	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
Hide Multi Function Lines	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑
ConcreteFace	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	--	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

Legend:

☑	Function available without restrictions
--	Function not available
⊡	Function restricted/not available for all systems
★	Only available for Manufacturer Pro version
N/A	Not Applicable

BIM²form Introduction

BIM²form for Allplan

BIM²form is also available as an Add-In for Allplan.

If you‘re interested, contact your Allplan representative.

➢ Contact ALLPLAN Sales Partner

△ Please note:
This document focuses solely on the BIM²form Add-on for Revit!



Agenda

Introduction

Operating Instructions

Wall

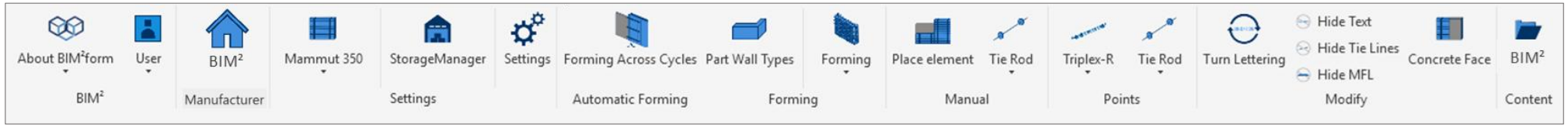
Slab

Manage

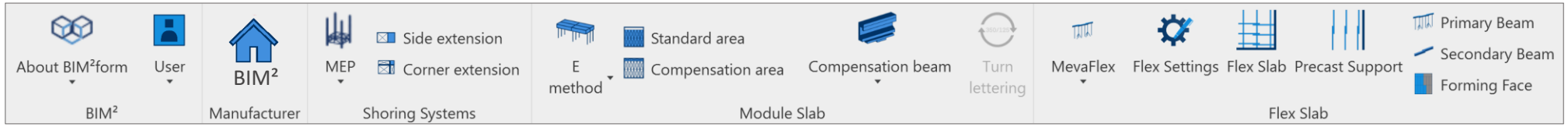
BIM²form Operating Instructions

Overview over the modules

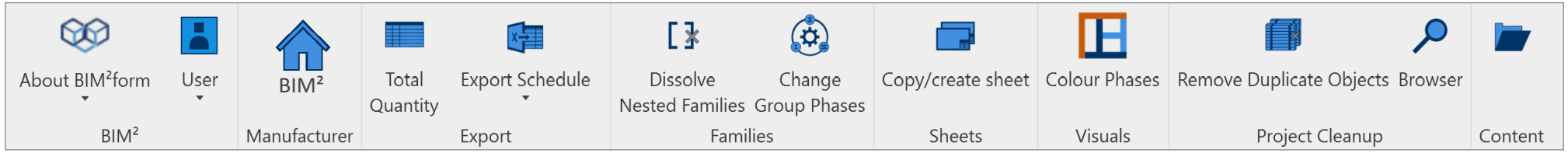
BIM²form Wall



BIM²form Slab



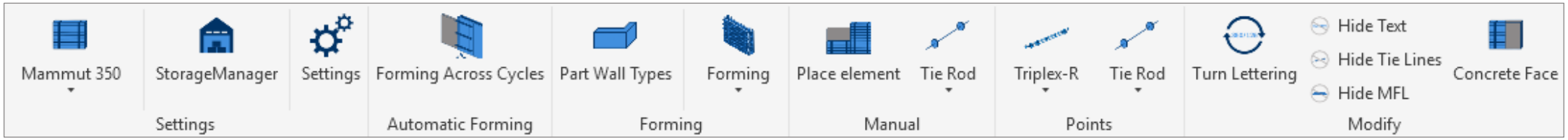
BIM²form Manage



BIM²form Operating Instructions

Wall

Selection/Settings → Automatic Forming* → Semi-automatic Forming → Individual/Manual Forming → Plan Processing



Processing from left to right

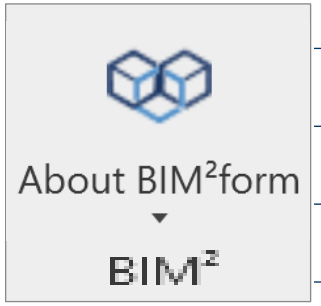
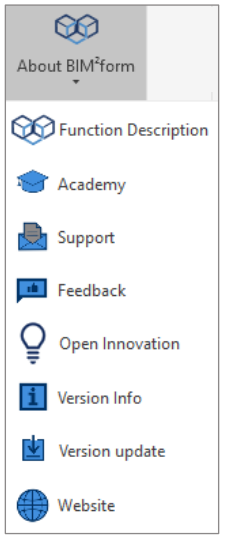
Operating assistance BIM²form:

The functions can be used from left to right. Choose the desired wall formwork system first to adjust the settings project-specific regarding the selected wall formwork system. Then place 90° Corners, T-Walls, Joint Corners with command **→Part Wall Types**.

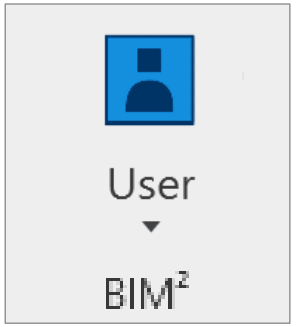
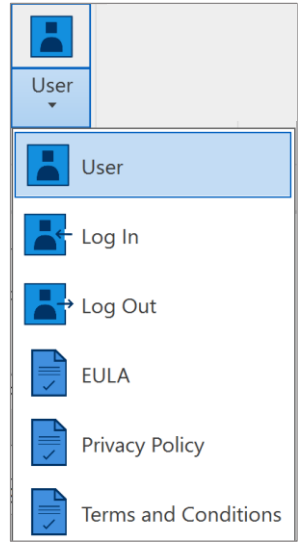
Subsequently, complete wall sections between part wall types, or from part wall type to the end of the wall can be formed automatically. If you would like to edit certain sections manually by placing the desired elements the functions **→Manual** or **→Points** can be used to place accessories semi-automatically.

Use the commands in group Modify to finish the plan.

BIM²form – About BIM²form

Name	Description	Icon	Illustration
Modul:	BIM²form Wall/Slab/Manage		
Modul Group:	Module Info		
Command:	-		
Short description:	All about BIM²form		
Function description:	Here you can find the installed version of the software, access our online academy (video training) as well as our website. Furthermore, you have the possibility to download the functional descriptions, give direct feedback on the product and contact BIM² via support. The Module Info group is integrated in the Wall, Slab and Manage sections.		

BIM²form – User

Name	Description	Icon	Illustration
Modul:	BIM²form Wall/Slab/Manage		
Module Group:	User		
Command:	-		
Short Description:	Information about the user account		
Function description:	Here you can log in and out of BIM²form as well as view the currently logged in user and get information about the conditions of the contract (EULA, Privacy Policy, Terms and Conditions). The Module User exists in Wall, Slab and Manage.		

Agenda

Introduction

Operating Instructions

Wall

Slab

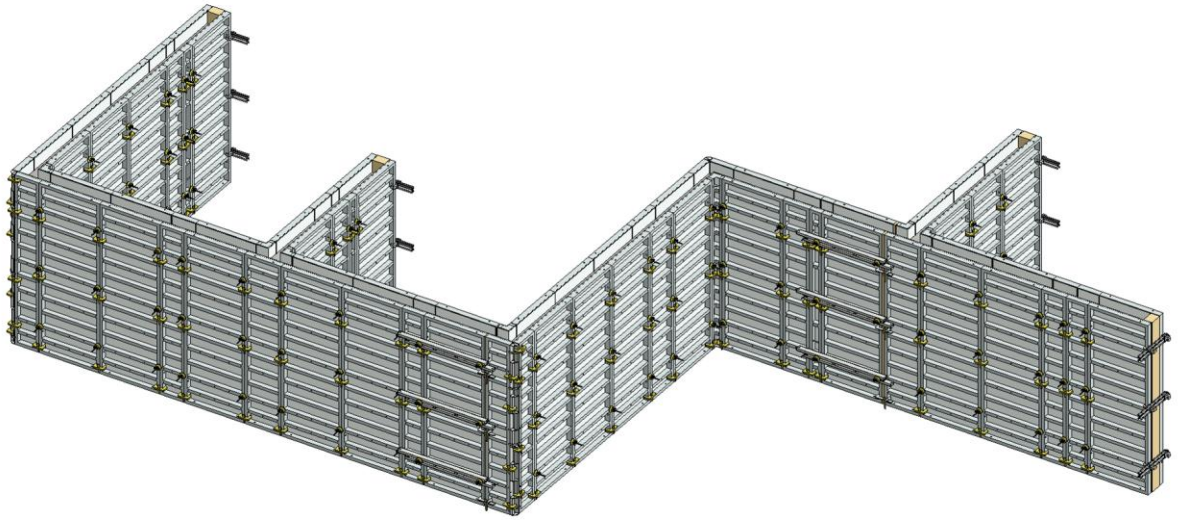
Manage

BIM²form Wall – Revit Walls

IFC-Walls and Project Families (Generic Model)

It is also possible to use BIM²form on IFC walls and project families under the category General Model.

In BIM²form Slab it is also possible to make the design "Revit neutral" by selecting lines and reference planes.



BIM²form Wall – Linked Revit Models

It is possible to apply BIM²form to linked Revit models from the cloud.

This function cannot be applied to linked IFC models or other linked geometries. It is also not possible to apply it to multiple nested linked models.



BIM²form Wall – Linked IFC Models

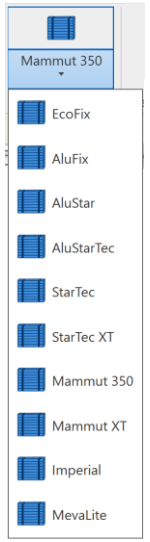
It is possible to apply BIM²form to linked Revit models from the cloud.



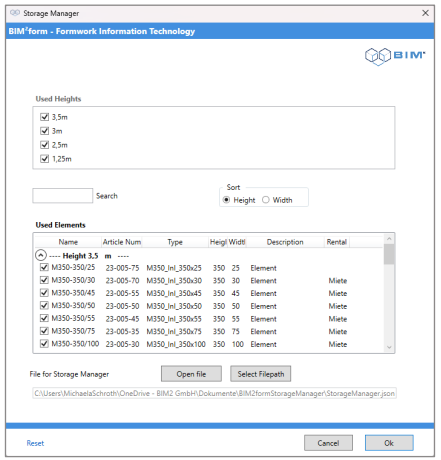
BIM²form Wall – Manufacturer

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manufacturer		
Command:	Manufacturer		
Short description:	Select manufacturer		
Function description:	Depending on your installed version, you can choose between the currently available manufacturers under →**Manufacturer**. You can set the selection for the Wall, Slab and Manage modules individually. The following commands adapt to the manufacturer selection.		

BIM²form Wall – Settings System

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Settings		
Command:	System		
Short description:	Select wall formwork system		
Function description:	Here, the desired wall formwork system can be selected which should be use to form semi-automatically.		

BIM²form Wall – Settings Storage Manager

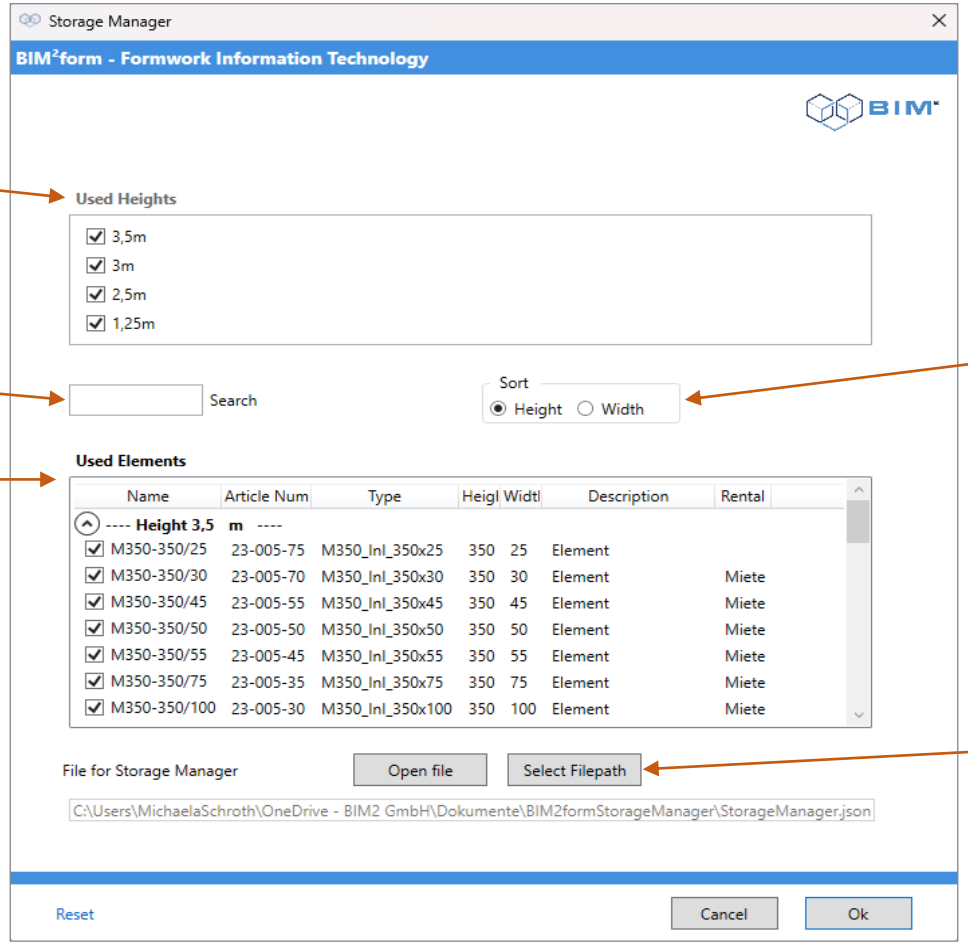
Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Settings		
Command:	Storage Manager		
Short description:	Settings for wall formwork systems		
			
Function description:	Here a variety of settings can be made to determine which elements or even which heights are to be used for automated planning. Furthermore, you can save these settings project-specifically in order to use them for other projects as well.		

BIM²form Wall – Settings Storage Manager

Activate and deactivate entire heights

Search box

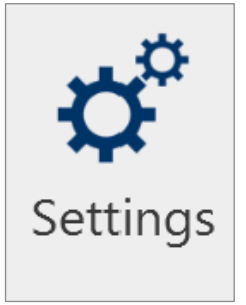
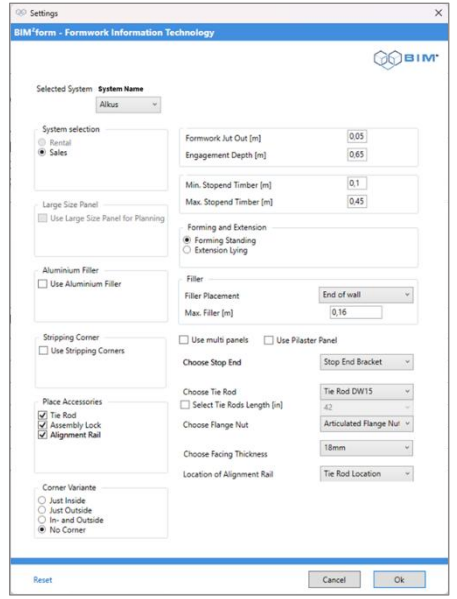
Activate or deactivate individual elements
(Semi-automatic functions only use activated elements)



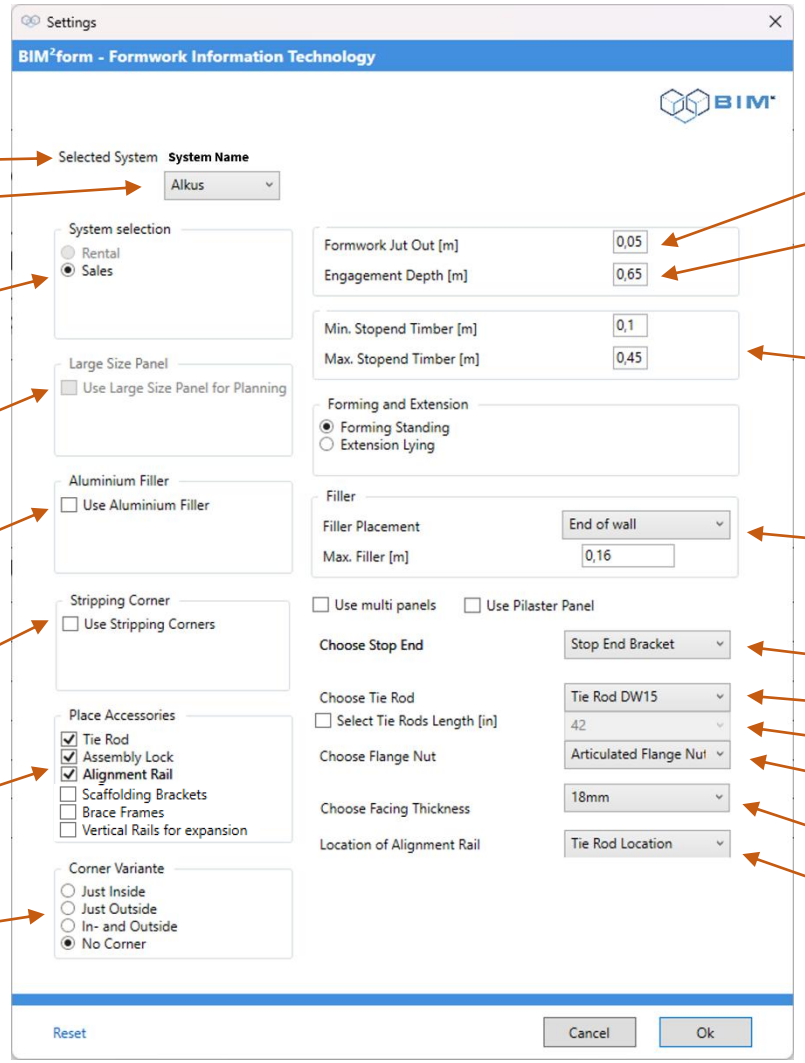
Sort by element height or width

Save file or open previously saved file

BIM²form Wall – Settings Properties

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Settings		
Command:	Settings		
Short description:	Settings for wall formwork systems		
Function description:	Diverse settings can be made, for example: • Select stop end variant • Placing accessories • Using large size panels • Select alignment rail location Depending on the system the options will vary		

BIM²form Wall – Settings Properties



Selected system

Facing Type

System selection rental / sales item

Large Size Panel usage

Aluminium Filler if possible

Stripping Corner instead of Inner Corner

Place Accessories

Corner Options

Vertical formwork overlap

Defines engagement depth of an element into the wall

Formwork overlap for stop end

Filler Placement Options

Options for Multi Purpose Panels

Select Stop End

Tie rod DW15/DW20

Tie Rod Length

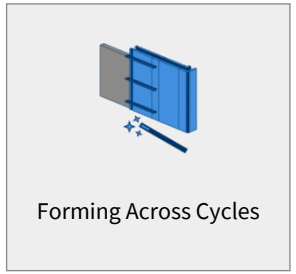
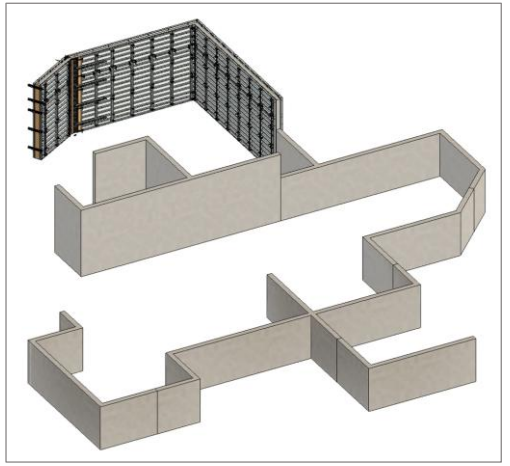
Articulated Flange Nut or Flange Nut

Facing Thickness

Alignment Rail Location

BIM²form Wall – Forming Across Cycles

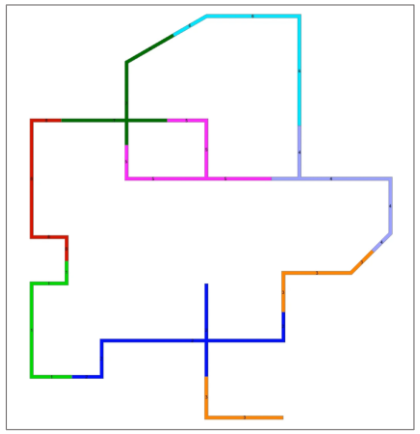
Pro Feature

Name	Description	Icon	Illustration
Modul:	BIM²form Wall	 Forming Across Cycles	
Modul Group:	Automatic Forming		
Command:	Forming Across Cycles		
Short description:	Total occupancy of cycles or floor plans across multiple cycles		
Function description:	To use this command, you need to divide the floor plan into phases (cycles). The command can be executed by first selecting all walls of a cycle and then clicking the command button, or vice versa. The division into cycles is automatically recognized and considered through cycle connections. If multiple height configurations are available for the walls, the program first displays a selection for the panel combination of Part Wall Types and places them. A second selection for the panel combination of the Forming function then appears. The command is not intended for detailed planning and requires an evaluation of the solution by trained technical professionals. However, it offers an option for quickly calculating quantities and costs.		

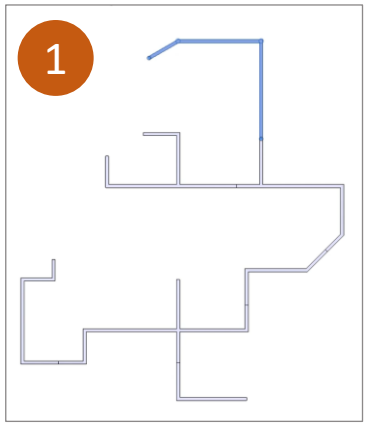
BIM²form Wall – Forming Across Cycles

Pro Feature

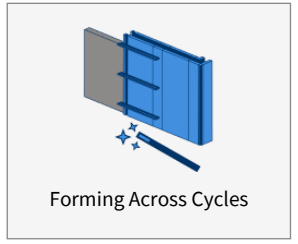
Occupying whole Cycles



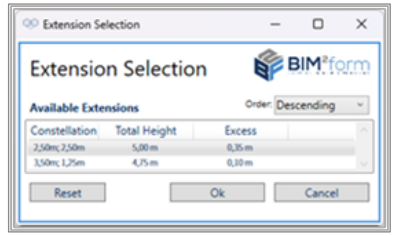
Prerequisite: Division into phases



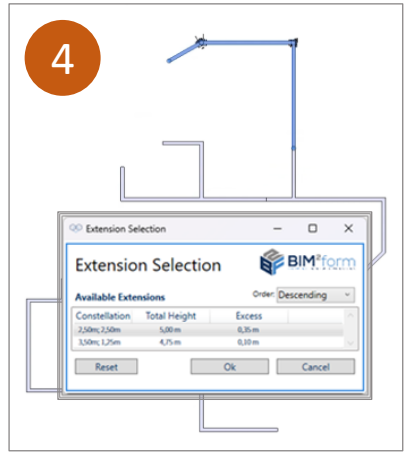
Select all walls of the cycle



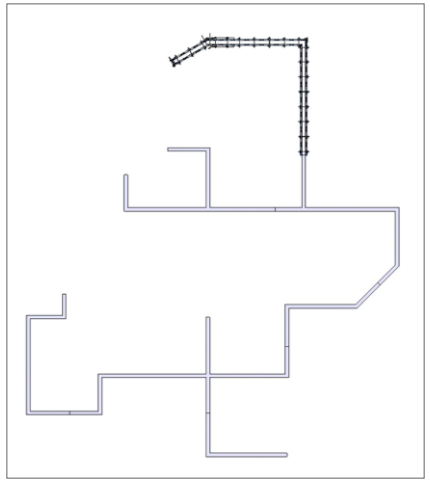
Click the command

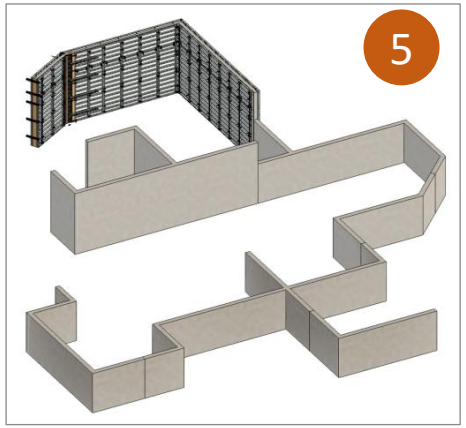


Select the combination for Part Wall Types



Select the comination for Forming



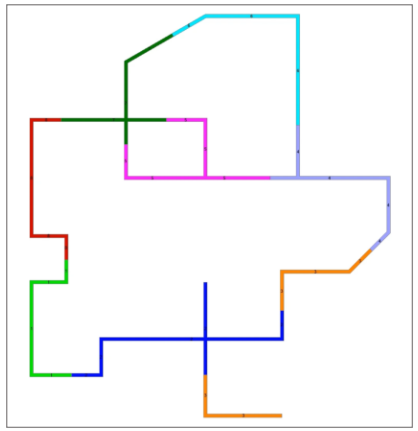


Result

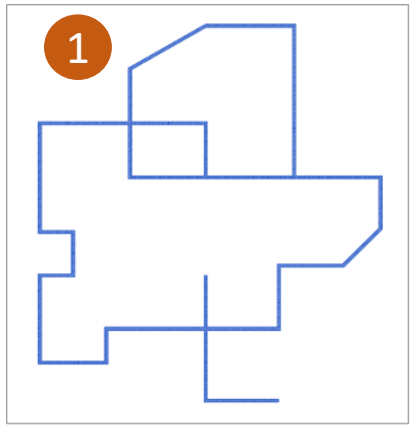
BIM²form Wall – Forming Across Cycles

Pro Feature

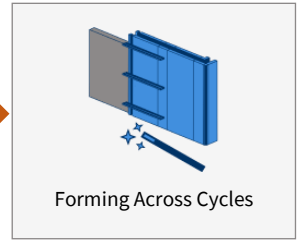
Occupying whole Floor Plans



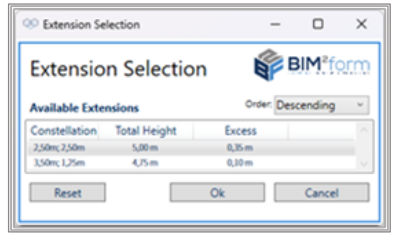
Prerequisite: Division into phases



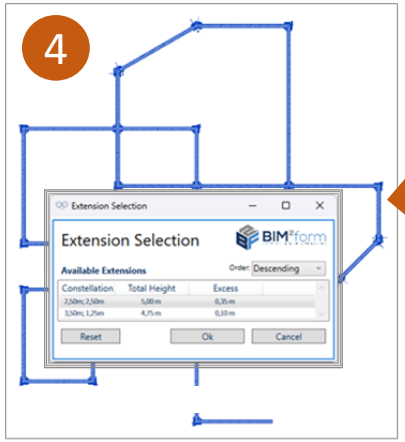
Select all walls of the floor plan



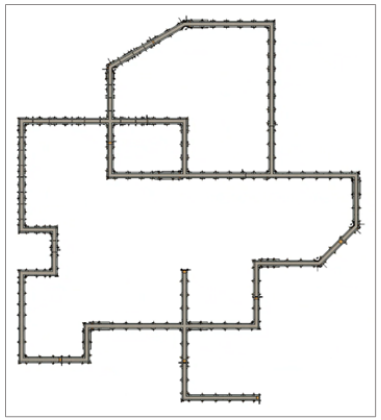
Click the command

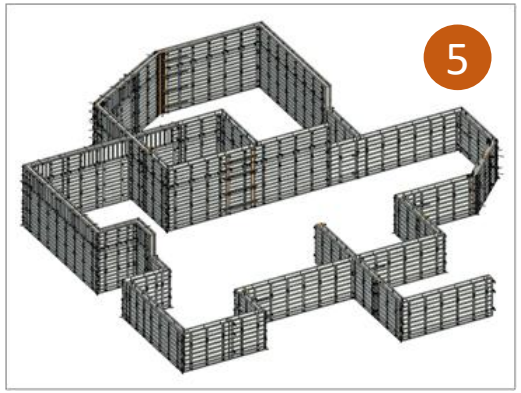


Select the combination for Part Wall Types



Select the comination for Forming



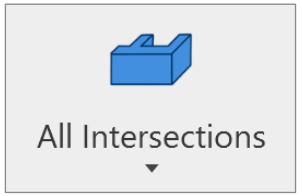
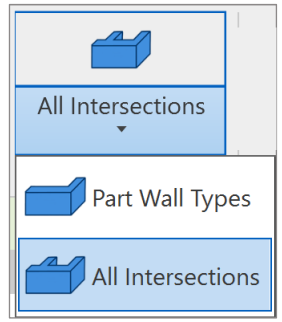


Result

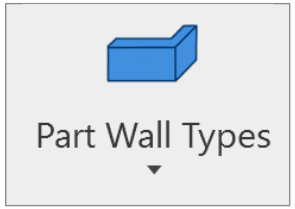
BIM²form Wall – Forming All Intersections

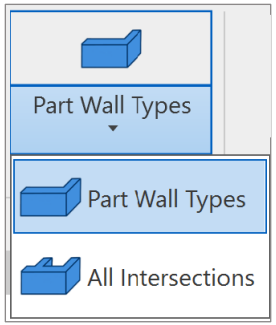
Pro Feature

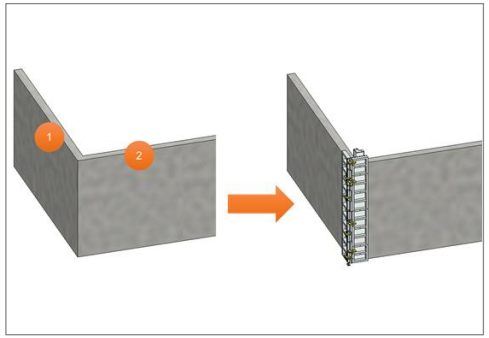
NEW

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Forming		
Command:	All Intersections		
Short description:	Occupying all part wall types across multiple cycles		
Function description:	With the command → **All Intersections** all sorts of part wall types can be covered with formwork at once after the walls have been selected. Conditions: • Only visible walls in the current view can be covered (taking into account partitioning or unconscious hiding of walls). • Only walls made of reinforced concrete or concrete can be covered.		

BIM²form Wall – Forming Part Wall Types

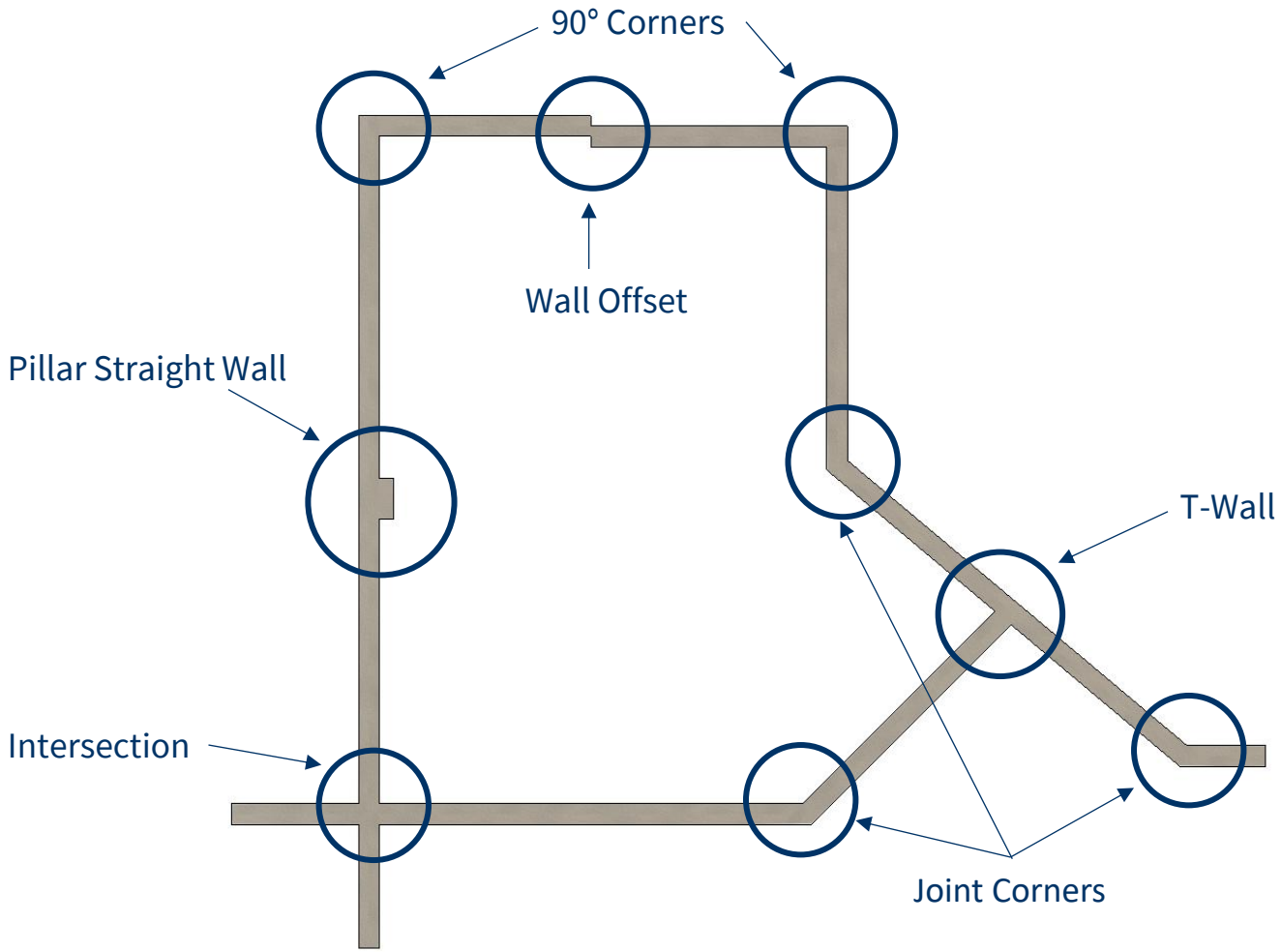
Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Forming		
Command:	Part Wall Types		
Short description:	Occupying part wall types		
Function description:	Within two clicks (selecting two connected walls) part wall types such as 90° corners can be occupied with formwork. So far, the following part wall types can be formed: • 90° corners • Joint corners • T-Walls • Intersections (with same wall thickness) • Pillar templates straight wall • Y-Walls • Wall Offsets		



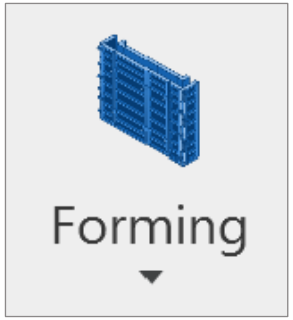
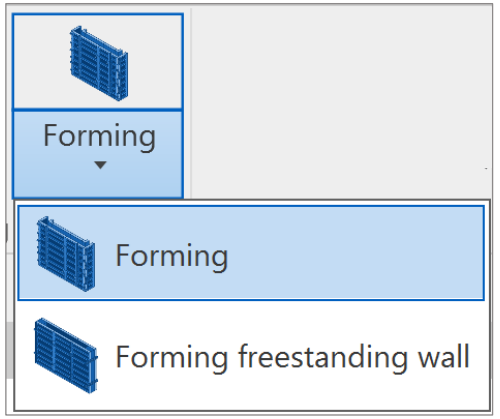


BIM²form Wall – Forming Part Wall Types

Overview part wall types



BIM²form Wall – Forming

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Forming		
Command:	Forming		
Short description:	Forming between part wall types		
Function description:	With the →**Forming** command complete wall sections between part wall types, or part wall type and wall end can be formed. This also includes placing the accessories, which currently includes the following items: • Assembly locks • Tie rod items • Alignment rails • Flange screws • Stop end		

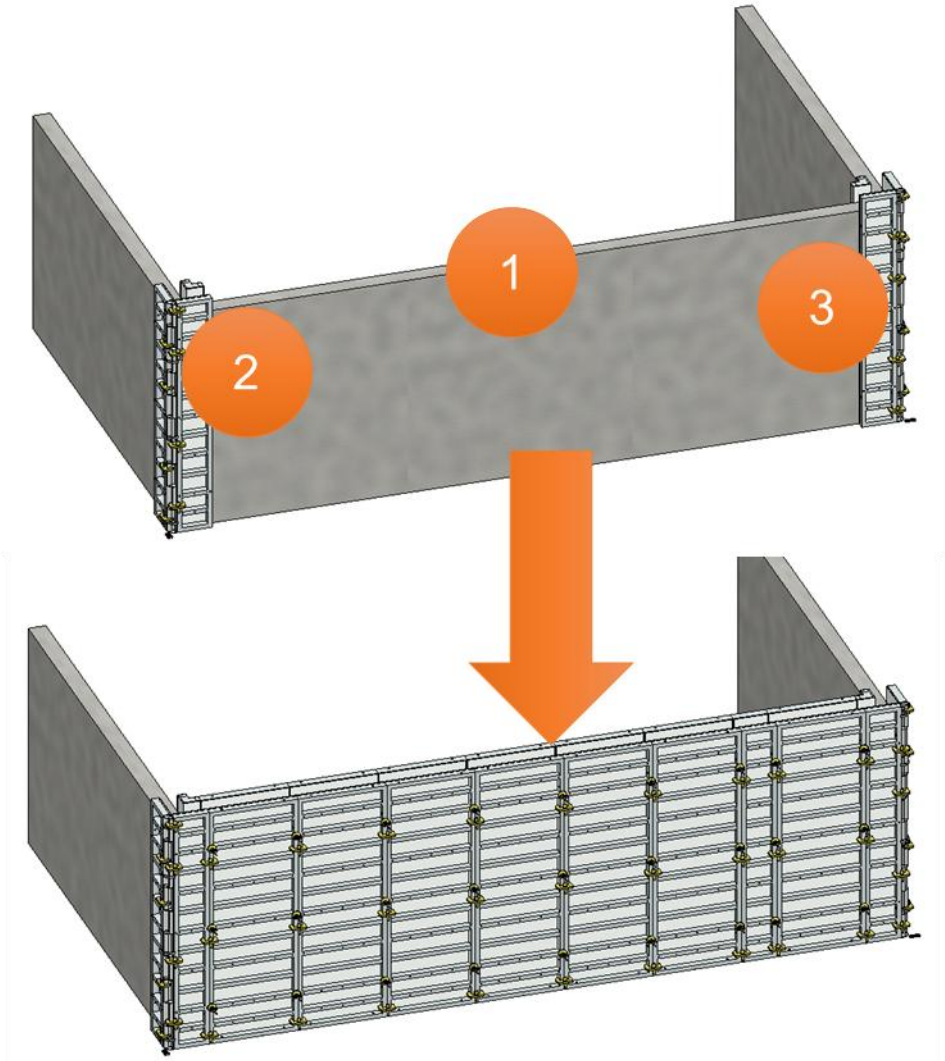
BIM²form Wall – Forming

Betweeen two part wall types

The approach for the → **Forming between two part wall types** command can be seen on the right. Three clicks are required for this:

- Selection of wall
- On the left or right, choose an element, timber filler or inner corner (starting point of placement)
- On the left or right, choose an element, timber filler or inner corner (ending point of placement)

If a timber filler is required, it is placed at the end point (last click) of the placement. In this way, the user can control on which side he wants to place the timber filler.



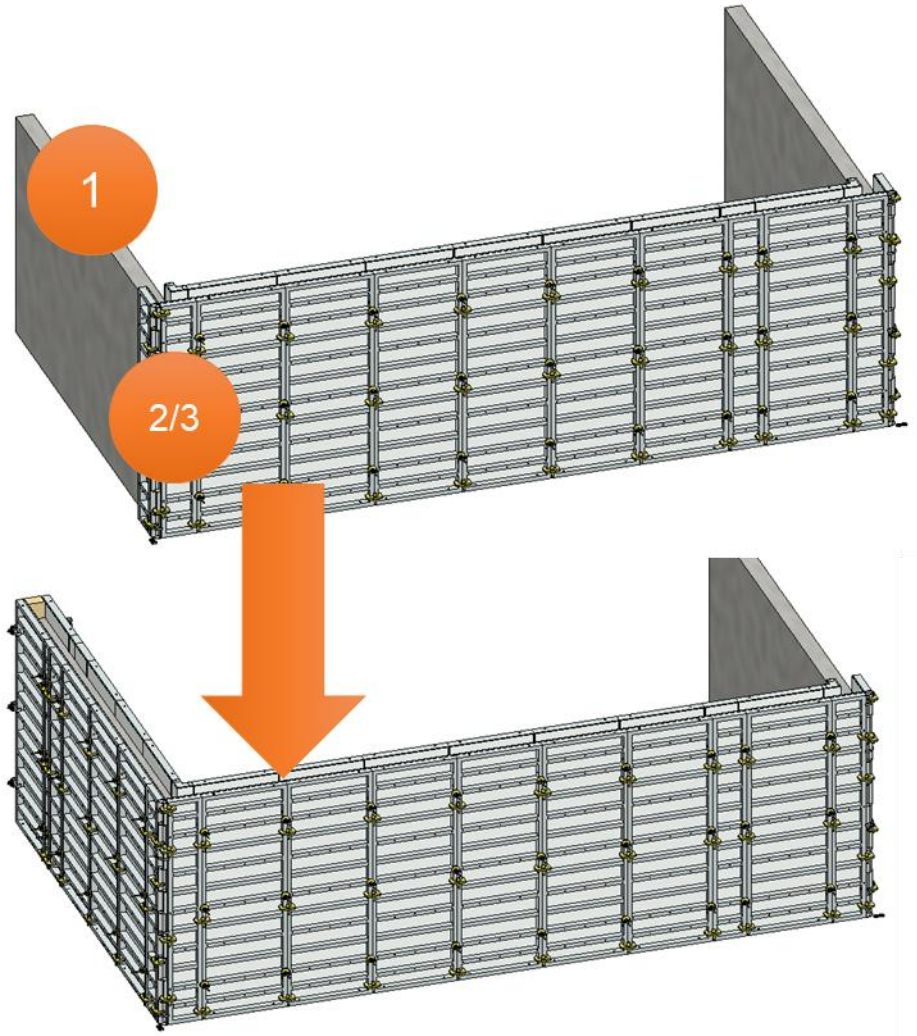
BIM²form Wall – Forming

For stop end

On the right you can see the approach for the → **Forming for stop end** command. For this, two to three clicks are required:

- Selection of wall
- Choose an element, timber filler or inner corner (double click respectively choose same selection twice)

If an alternaterive end forming is requested it can be selected accordingly in the settings.



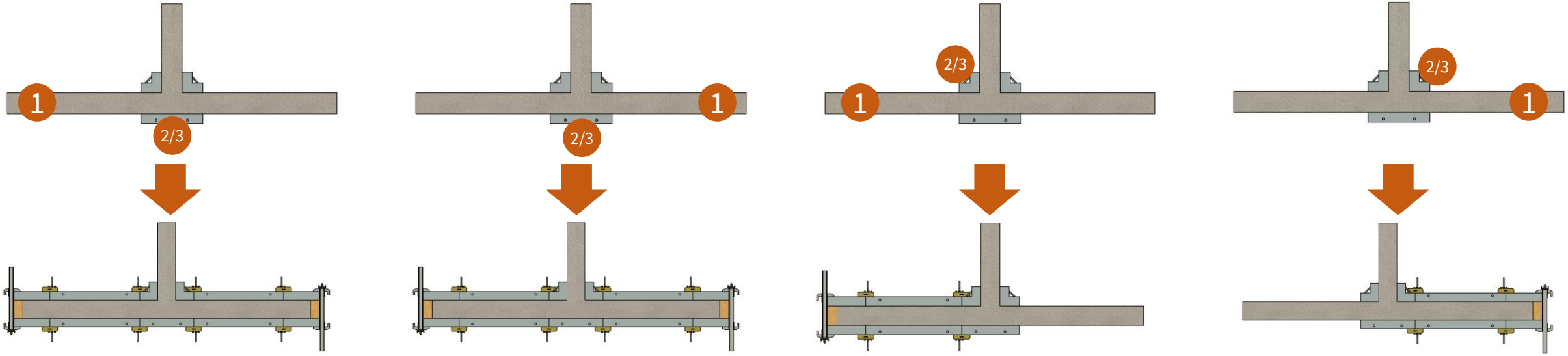
BIM²form Wall – Forming

For T-Walls

The result of the →Shells command for T-walls depends on the approach. Three clicks are required:

- Select the wall
- Select an element, timber filler, or inside corner (double-click or select the same item twice)

The following results can be achieved depending on the click sequence:



BIM²form Wall – Forming

For Cycle Connection

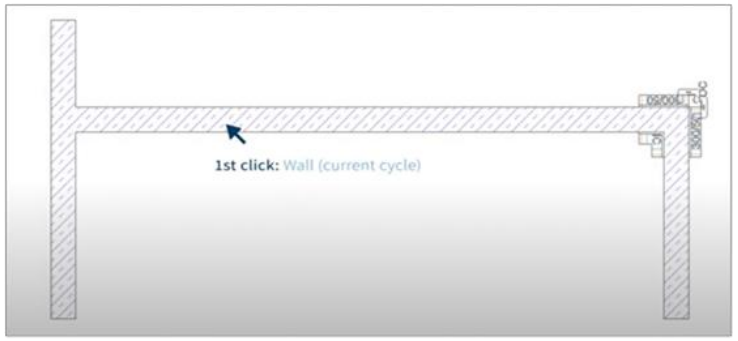
By corresponding clicks, already existing walls from previous cycles that are in a different phase are automatically recognised.

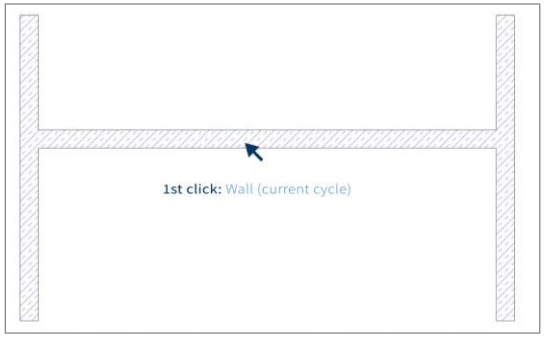
The procedure for the →Forming command for cycle connections can be seen on the right. Instead of the usual click on a further element, the existing wall is selected.

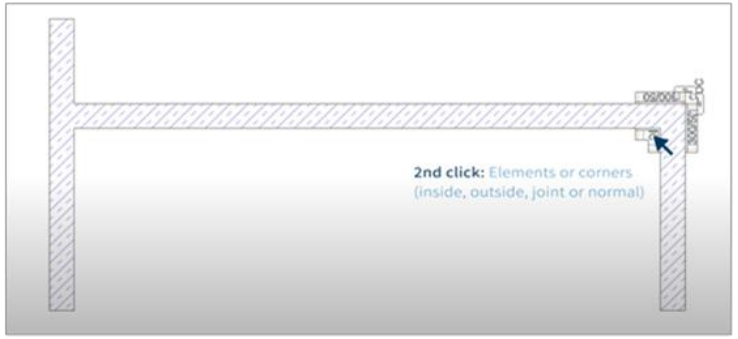
Three clicks are required altogether:

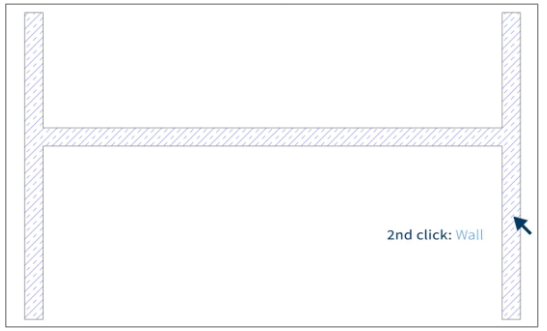
- Selection of the wall
- Selection of an element, timber filler or internal corner (starting point of the placement).
- Existing wall from previous cycle (end point of placement)

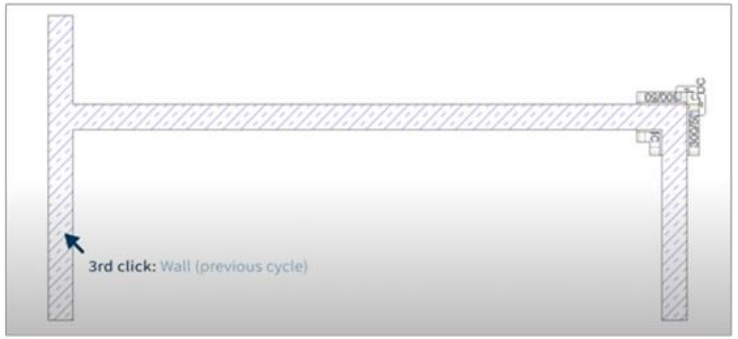
In this way, lengthwise and crosswise connections can be made to existing walls.

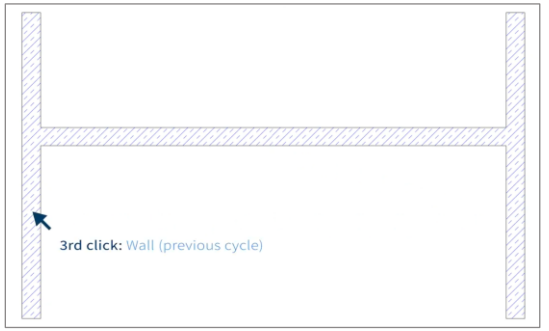












BIM²form Wall – Forming

NEW

For Cycle Connections on Linked Models

To use the command →**Forming - Cycle Connections** on linked models, please follow a different click sequence.

1. 1st Click: Wall of linked Model

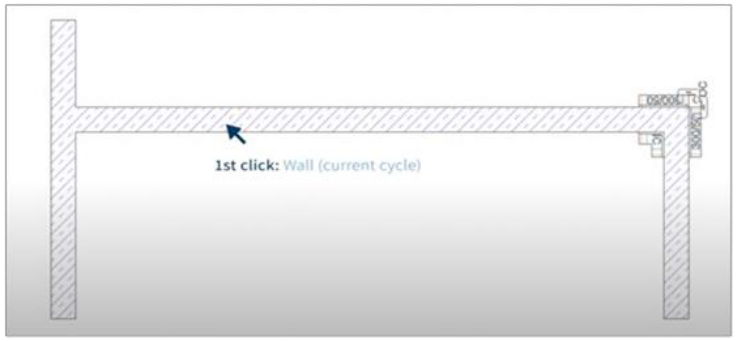
   Now press the ESC key once, then with the

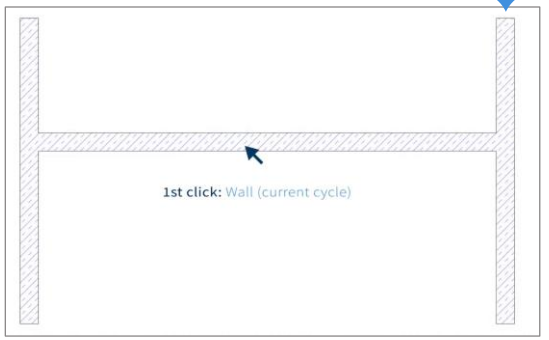
2. 2nd Click: Choose a linked wall, an element, timber filler or inner corner (not linked).

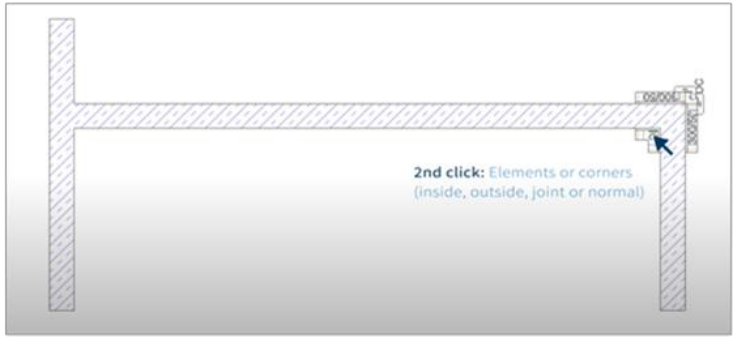
   Now press the ESC key once, then with the

3. Click again to select a wall or Part Wall Type element of a Linked Model.

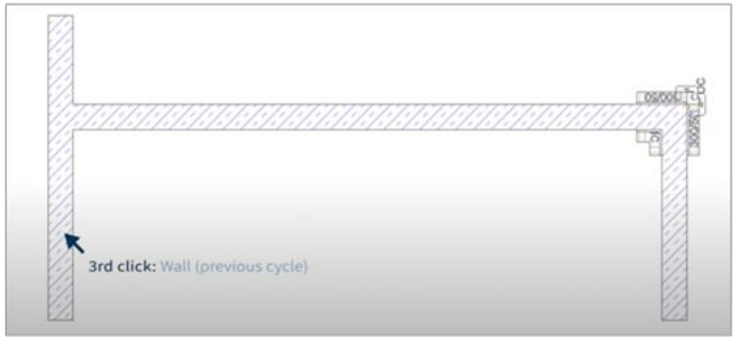
   Pressing the ESC key twice will cancel the command.

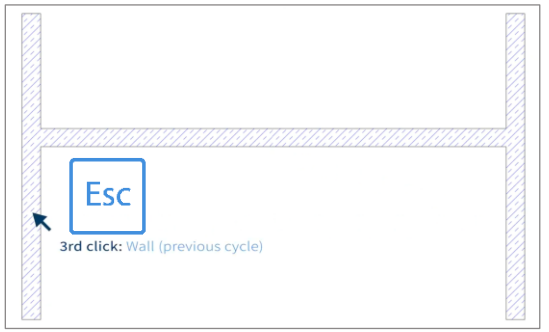












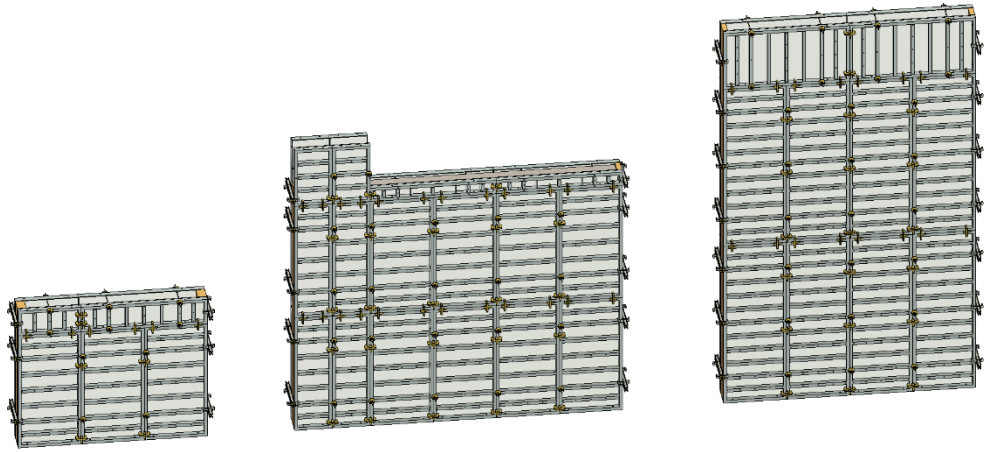
BIM²form Wall – Forming

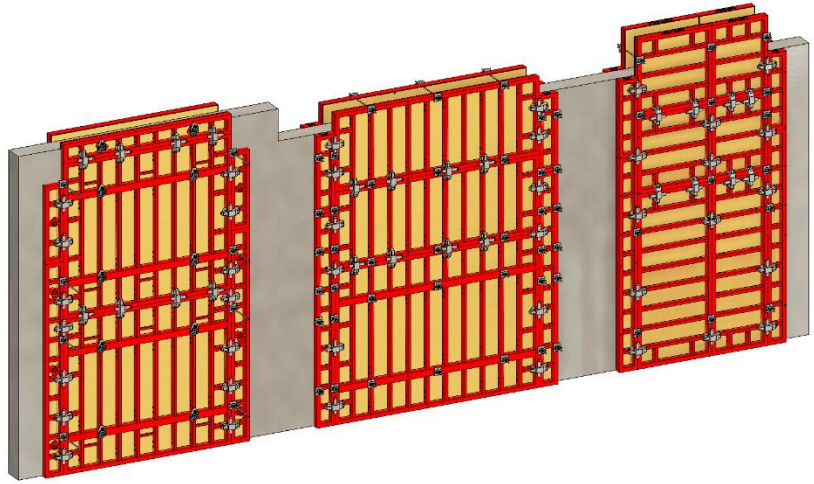
For Lying Extensions

When choosing the option **extension lying** in the Settings window, BIM²form will place horizontal elements with the **→Forming** commands. Depending on the manufacturer, the horizontal elements will be placed in the upper row or over the entire wall. Gaps will be filled with vertical elements.

Check the following settings:

- Extension lying selected in settings
- Depending on the manufacturer: Select the desired tower widths
- Use of large panels activated / deactivated





BIM²form Wall – Forming

For Fillers

By default, BIM²form places compensations near the part-wall type at the end of the wall near the second click.

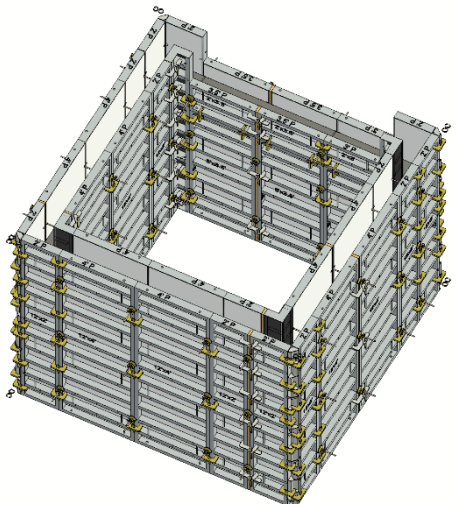
Enhanced options enable you to place

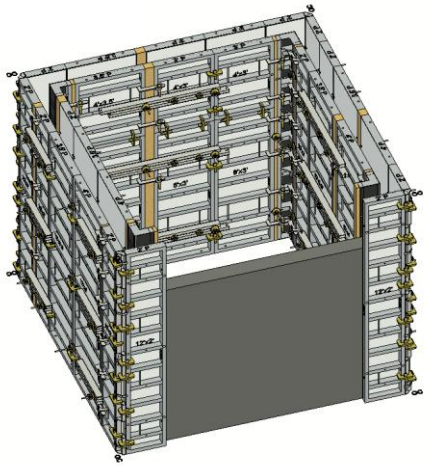
- Compensations Mid Wall
- Compensations on Both Sides.

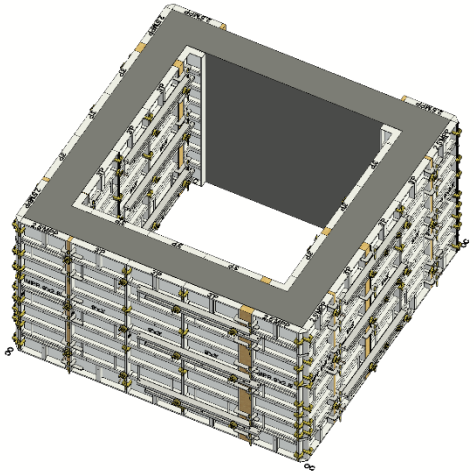
Therefore the location of the filler placement can be determined flexibly.

Moreover, the maximum compensation width can be defined. If the required filler is wider than the set maximum, the filler is automatically split over more than one point to eliminate the need for alignment rails.

The placement also takes aluminum fillers into account if they are activated.



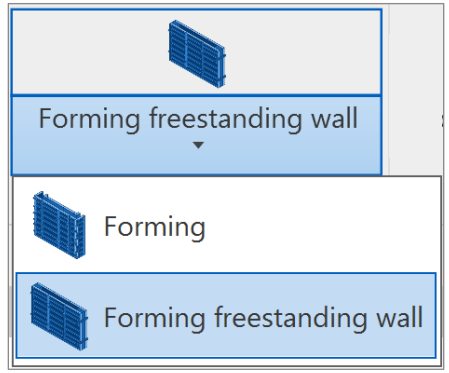




BIM²form Wall – Forming Freestanding Wall

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Forming		
Command:	Forming freestanding wall		
Short description:	Forming freestanding wall		
Function description:	With the →**Forming freestanding wall** command, complete wall sections which are not adjacent to part wall types or an existing cycle can be formed. This also includes placing the accessories, which currently includes the following items: • Assembly locks • Tie rod items • Alignment rails • Flange screws • Stop end		



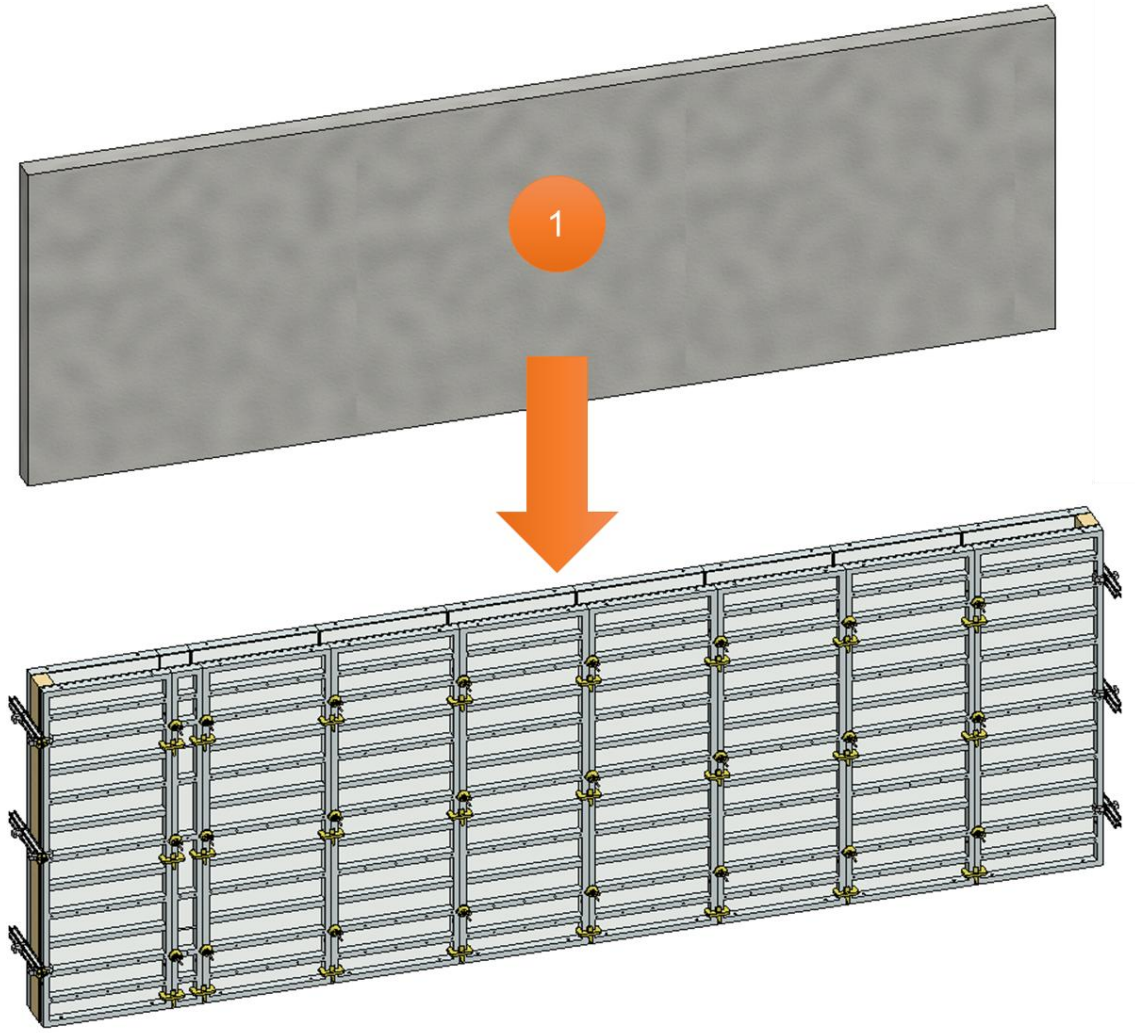


BIM²form Wall – Forming Freestanding Wall

On the right you can see the approach for the →**Forming freestanding wall** command. For this, only one click is required:

- Selection of wall

If an alternaterive end forming is requested it can be selected accordingly in the settings.



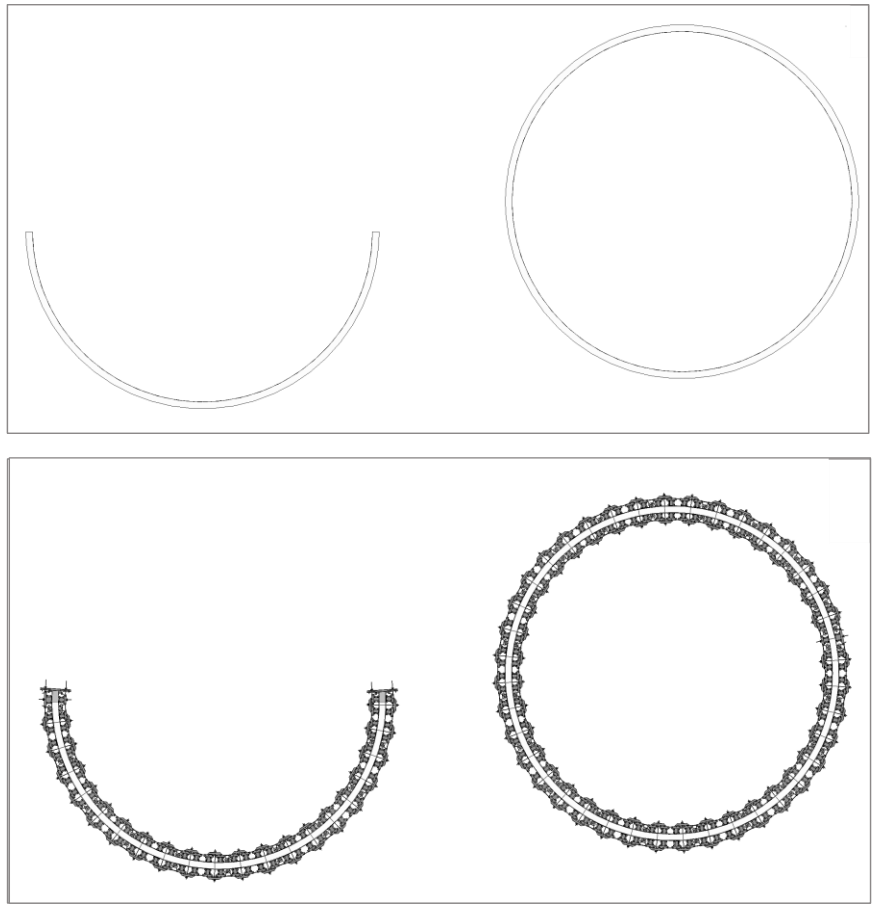
BIM²form Wall – Einschalen

For Round Walls

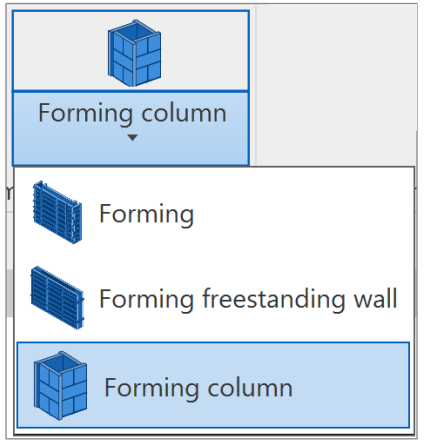
Round walls are formed with Circular Formwork.

With the command →**Forming** a full circle can be covered with circular formwork with one click.

→**Forming Freestanding Wall** is used for circular segments.



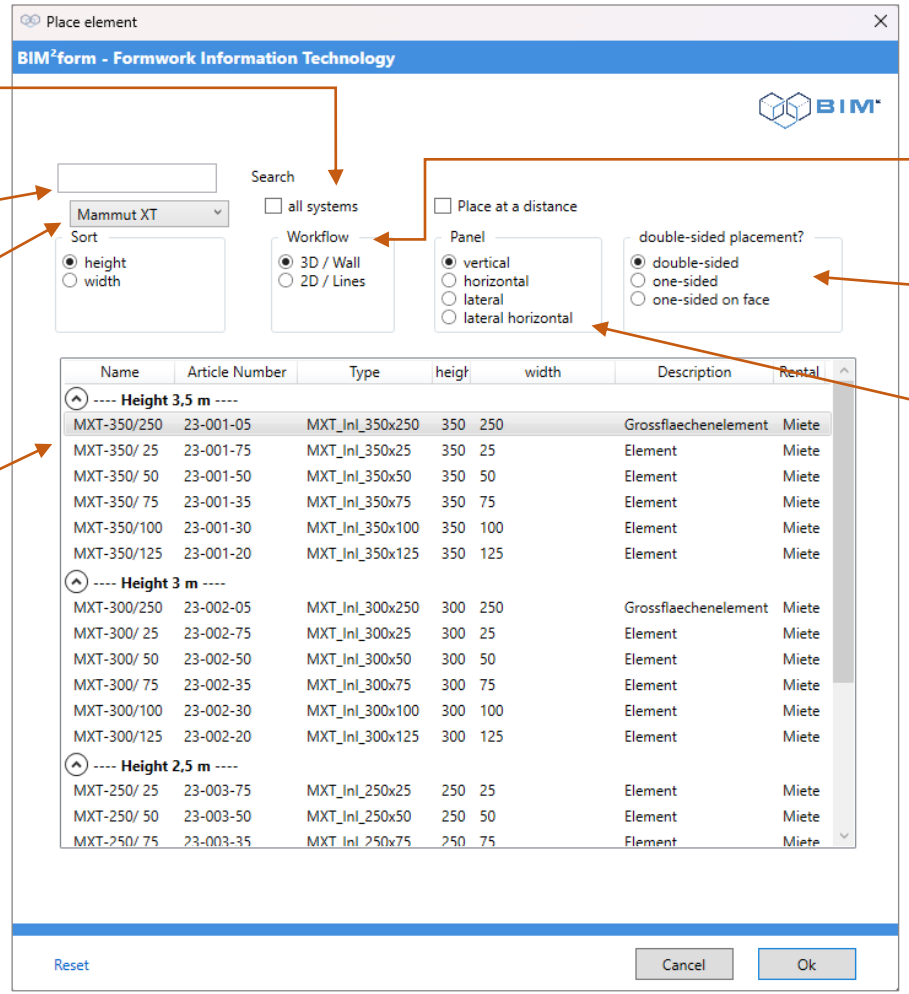
BIM²form Wall – Forming Forming Column

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Forming		
Command:	Forming Column		
Short description:	Forming Column		
Function description:	The command → **Forming Column** can be used to form concrete supports in different sizes. These usually consist of 4 elements and connecting parts. Currently, this includes 3 variations of execution: • Variant 1 consists only of elements with one element on each side. • Variant 2 consists of elements and rails with 2 elements on each side. • Variant 3 consists of elements, rails, and anchors with 2 elements on each side.		

BIM²form Wall – Manual Place Element

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Place Element		
Short description:	Place element upright/horizontally semi-manually		
Function description:	You can search for elements (for instance system, width, height or item number), and insert and place them. You can decide whether the elements are to be placed on one side, on both sides, standing, on the side or lying down.		

BIM²form Wall – Manual Place Element



Activate all systems

Search box

System selection

Double click selection

Additional settings

Sort height/width

Placement options

BIM²form Wall – Manual Place Element

Placing Element Upright

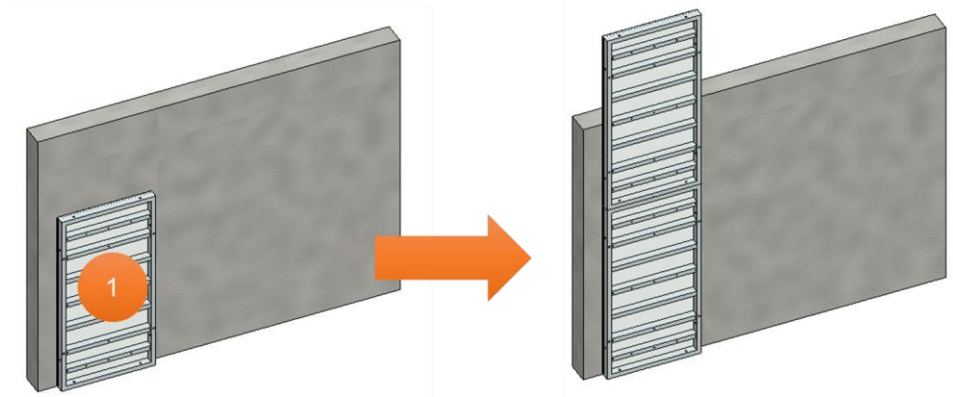
Two options:

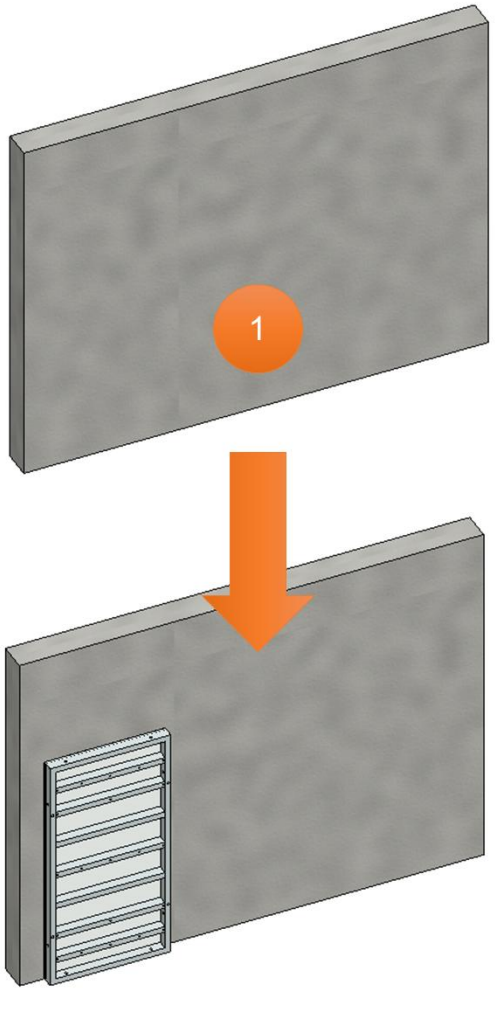
Variation 1 (image on the right):

Click on a wall to place the element upright.

Variation 2 (image below):

Click on any element to place the element upright as extension.

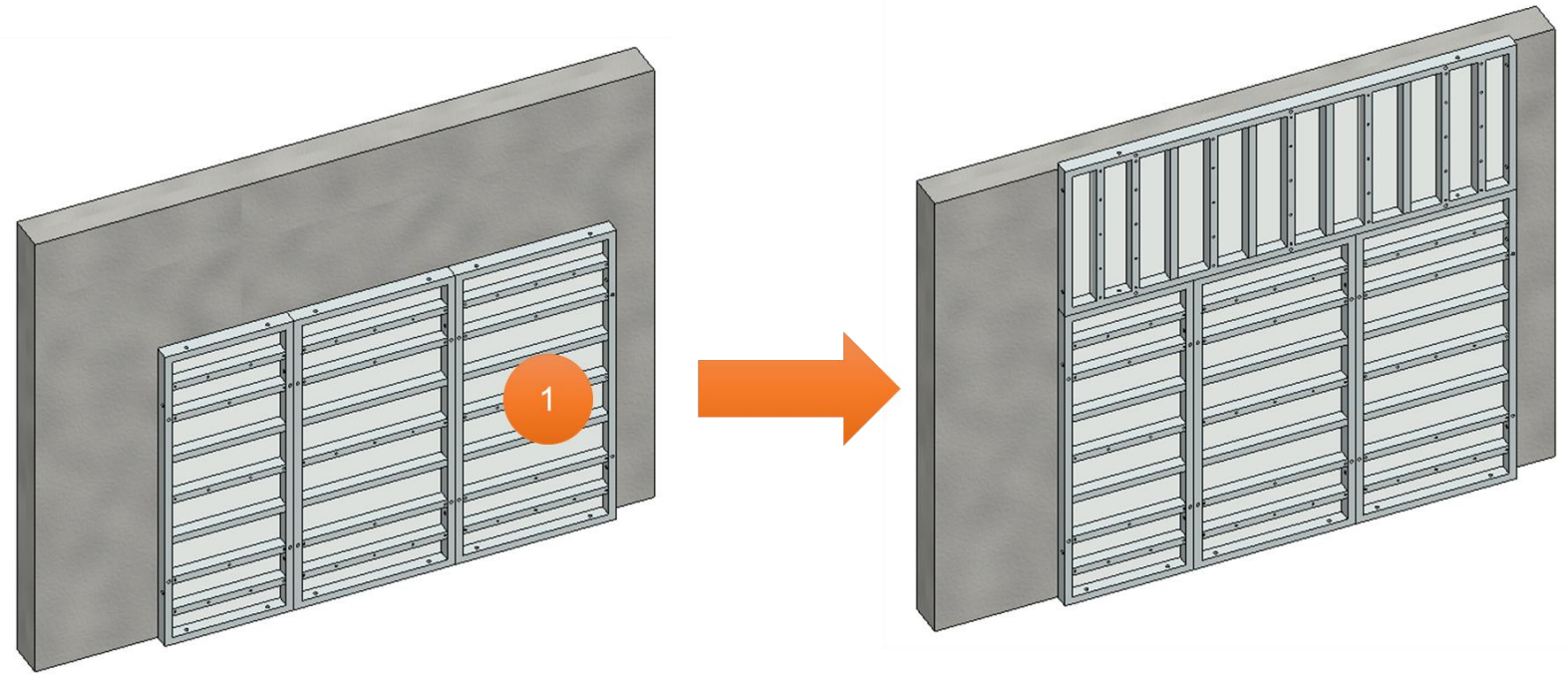




BIM²form Wall – Manual Place Element

Place Element Horizontally

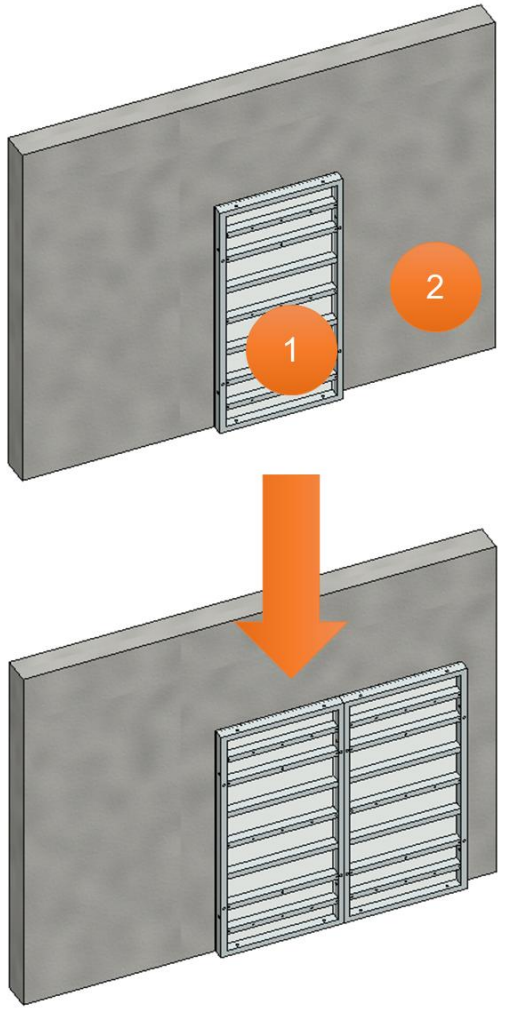
To place an element horizontally, select the element on which the element is to be placed horizontally. The element is always rotated to the left.



BIM²form Wall – Manual Place Element

Place Element Sideways

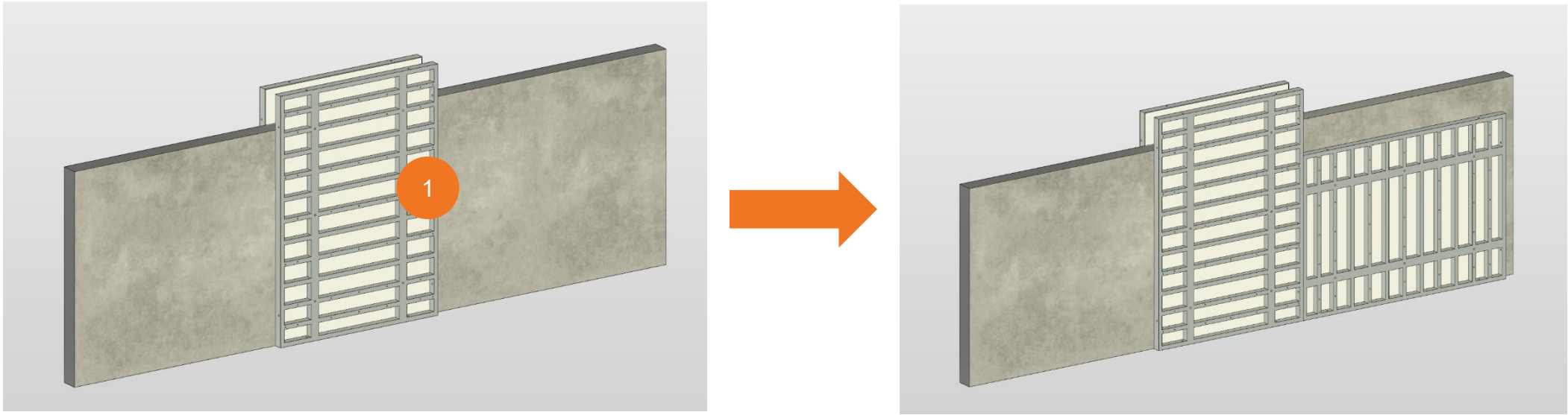
With the first click, select the element next to which you want to place the desired element. With a second click on any point on the wall you indicate the direction, for instance, whether the element should be placed to the left or right of it.



BIM²form Wall – Manuell Place Element

Place Element Lateral Horizontally

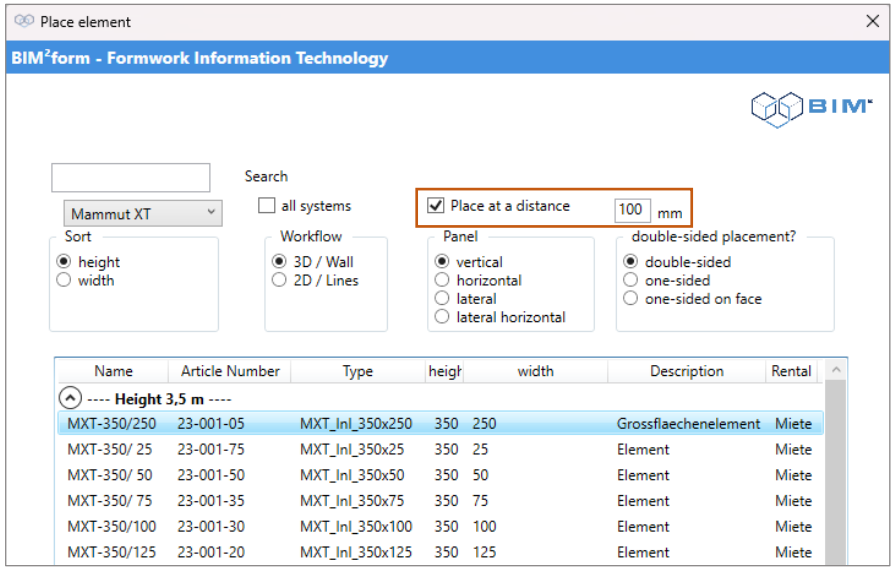
To place an element lying on its side, select the element next to which the element should be placed lying.

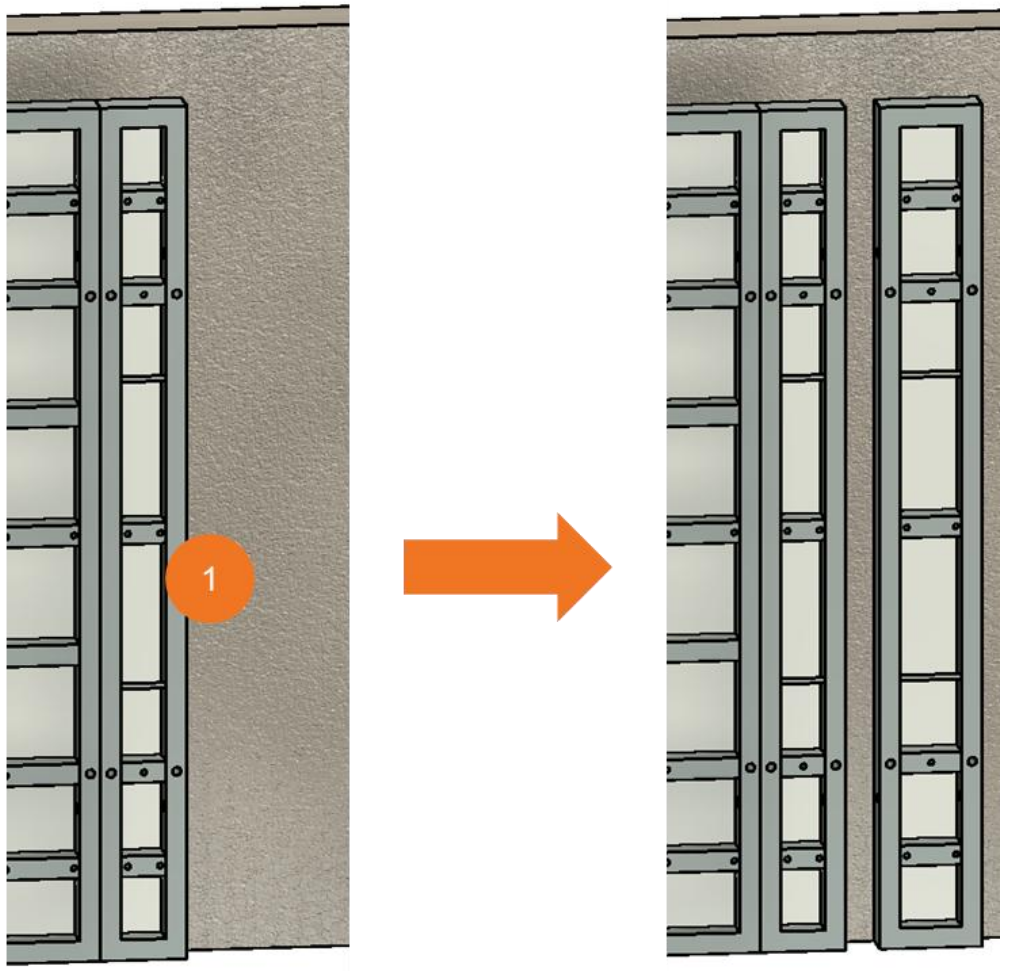


BIM²form Wall – Manuell Place element

Place Element Lateral Horizontally

To place an element at a distance, select the option in the window, enter the minimum space, and select the element next to which the element should be placed.

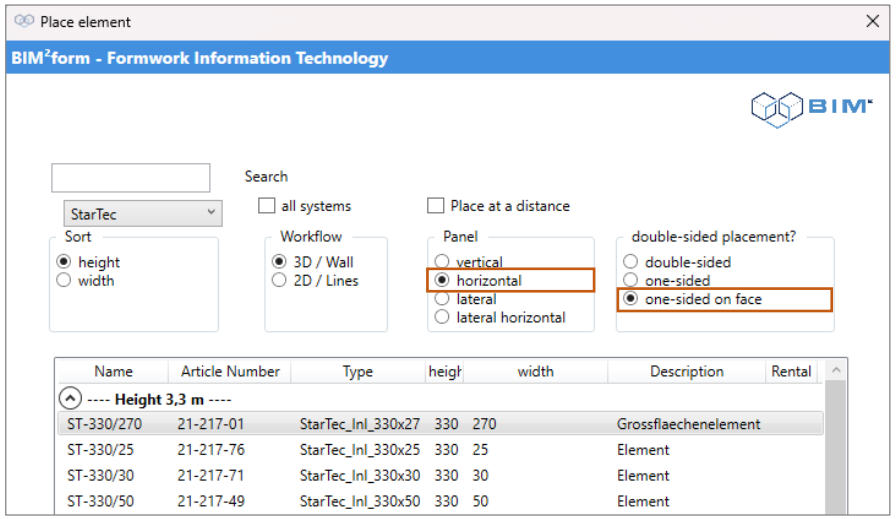


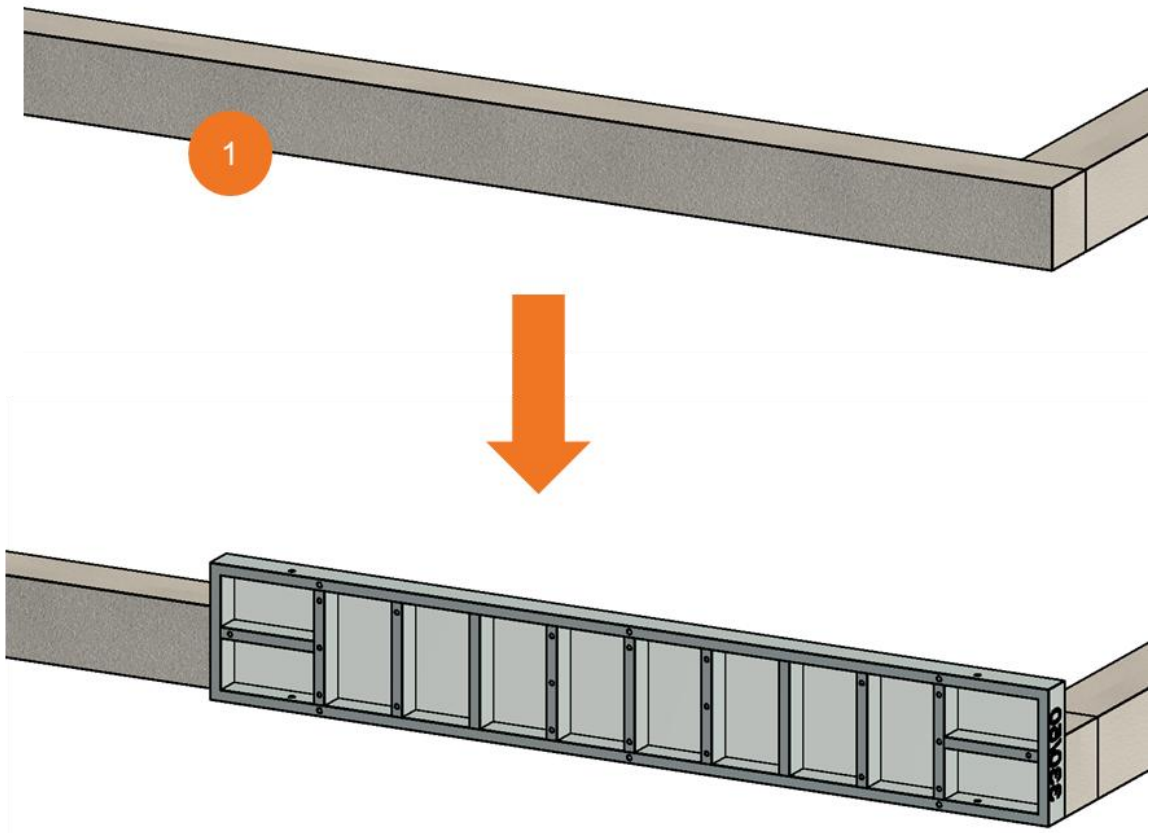


BIM²form Wall – Manuell Place element

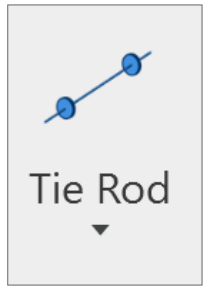
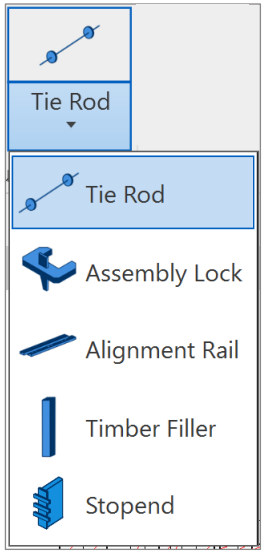
Place Element one-sided on Face

To place an element on a face, select the option in the window and a point on the face where the element should be placed.





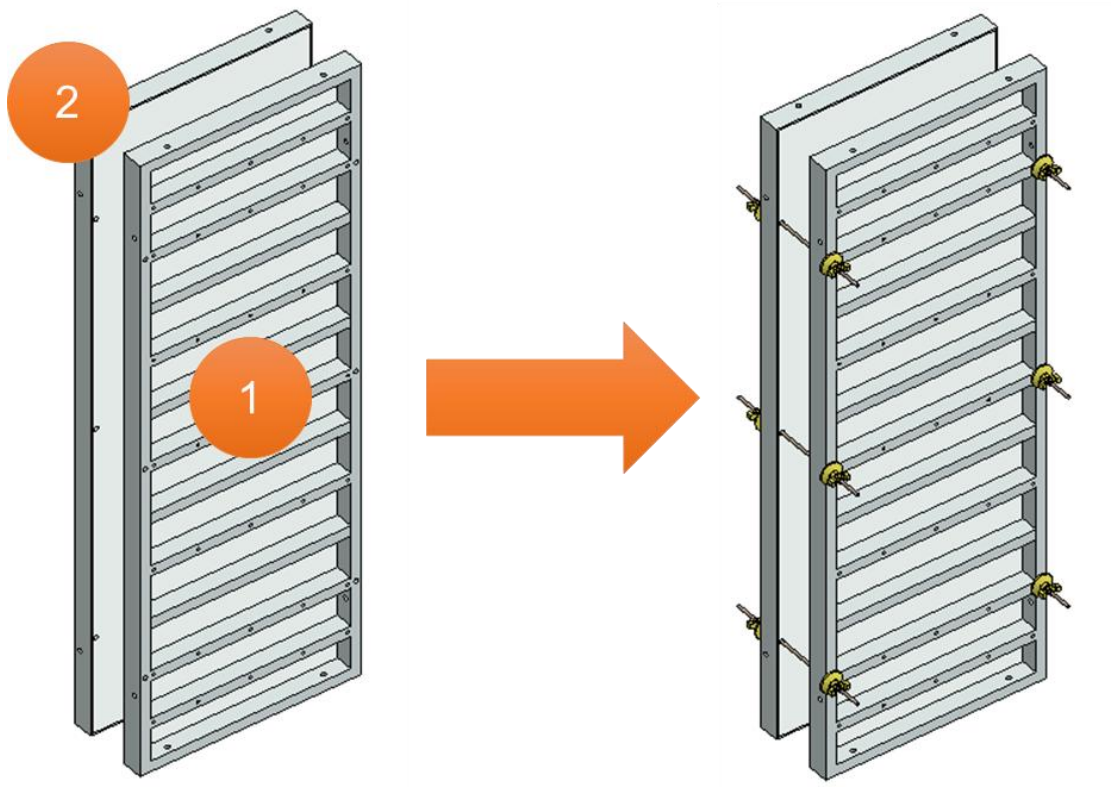
BIM²form Wall – Manual Tie Rod

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Tie Rod		
Short description:	Place tie rod semi-manual		
Function description:	With the →**Tie Rod** command, the corresponding ties and articulated flange nuts can be placed by selecting two elements facing each other.		

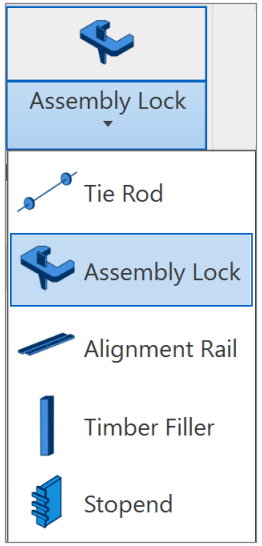
BIM²form Wall – Manual Tie Rod

The partly manual placement of tie rods is done with two clicks by selecting two opposing elements.

The programming recognizes whether tie rods have already been placed and sets the free tie rods in the element.



BIM²form Wall – Manual Assembly Lock

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Assembly Lock		
Short description:	Placing the assembly lock semi-manually		
Function description:	With the →**Assembly Lock** command the corresponding assembly locks or uni assembly locks can be placed by selencting two elements. Based on the distance between the two elements, the routine automatically recognises which assembly lock is to be used.		

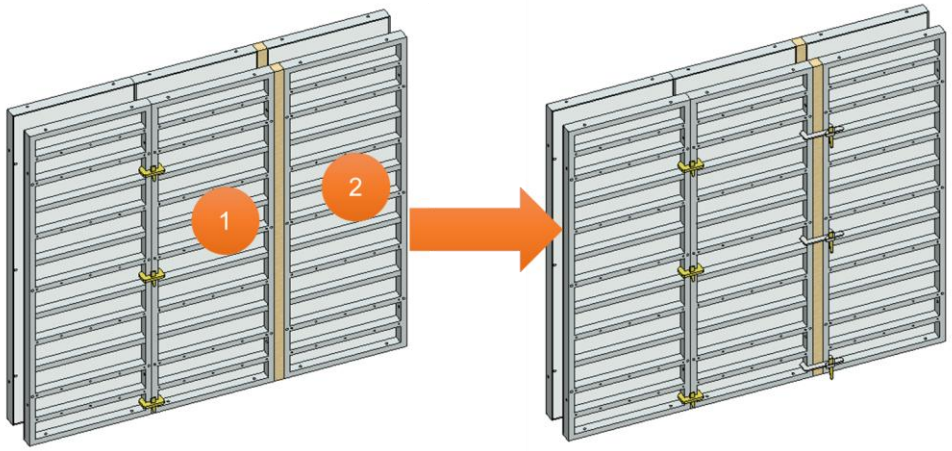
BIM²form Wall – Manual Assembly Lock

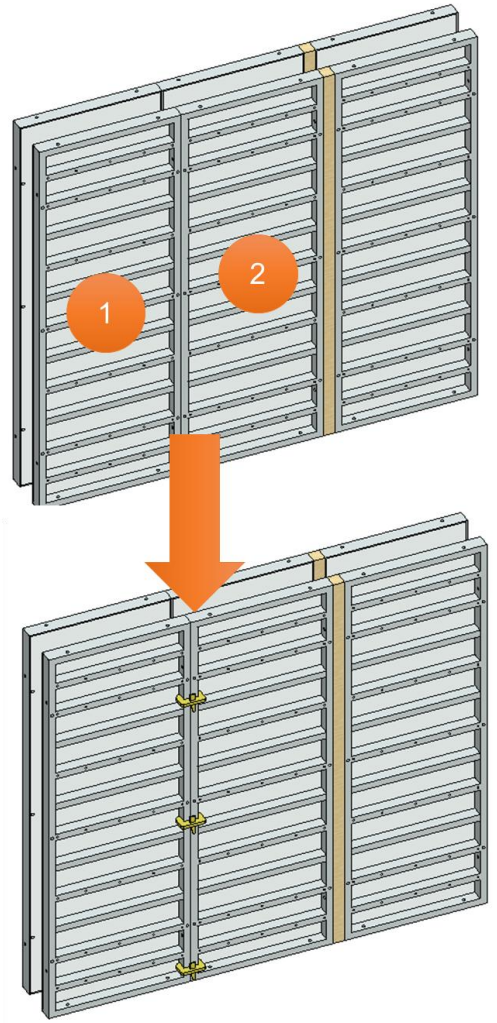
The semi-manual placement of assembly locks is done with two clicks by selecting two adjacent elements.

The programming recognises whether the panels are positioned next to each other (image on the right) and places the appropriate assembly locks depending on the panel height.

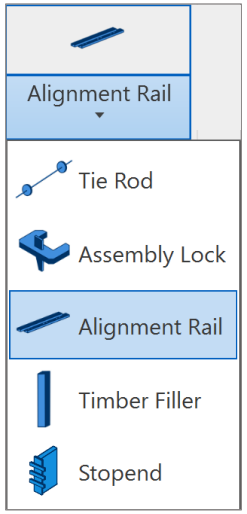
This also applies to stocked up series of elements.

If a timber filler is placed between the elements, this is also recognized (image below) and the corresponding assembly locks are also placed here depending on the element height.





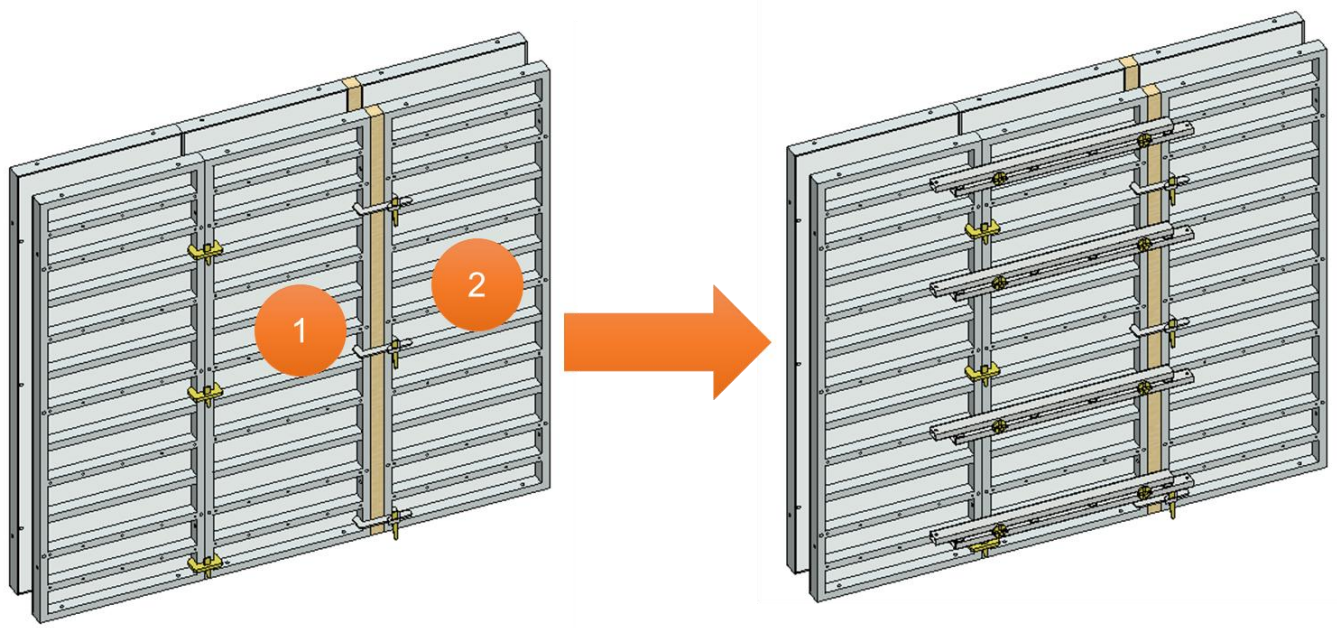
BIM²form Wall – Manual Alignment Rail

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Alignment Rail		
Short description:	Place alignment rail semi-manually		
Function description:	Via →**Alignment Rail** you can place the corresponding alignment rails by selecting two elements. Via the settings you decide in advance whether the alignment rails are to be inserted on tie rod and multifunctional profile position. The flange screws are placed on the multifunctional profile layer. In tie position, the routine recognizes the ties and places the articulated flange nuts in the correct position.		

BIM²form Wall – Manual Alignment Rail

The semi-manual placement of alignment rails is done via two clicks by selecting two adjacent elements. Which is the first and second click decides the fixing of the alignment rails and the overhang. The first element selected is the first element through which the tie rods are placed. Here the flange screws are placed accordingly.

In the settings, you can select on which layer the alignment rails are placed. For the manufacturer MEVA Formwork Systems, the corresponding flange bolts are also placed on the multifunctional profile layer.

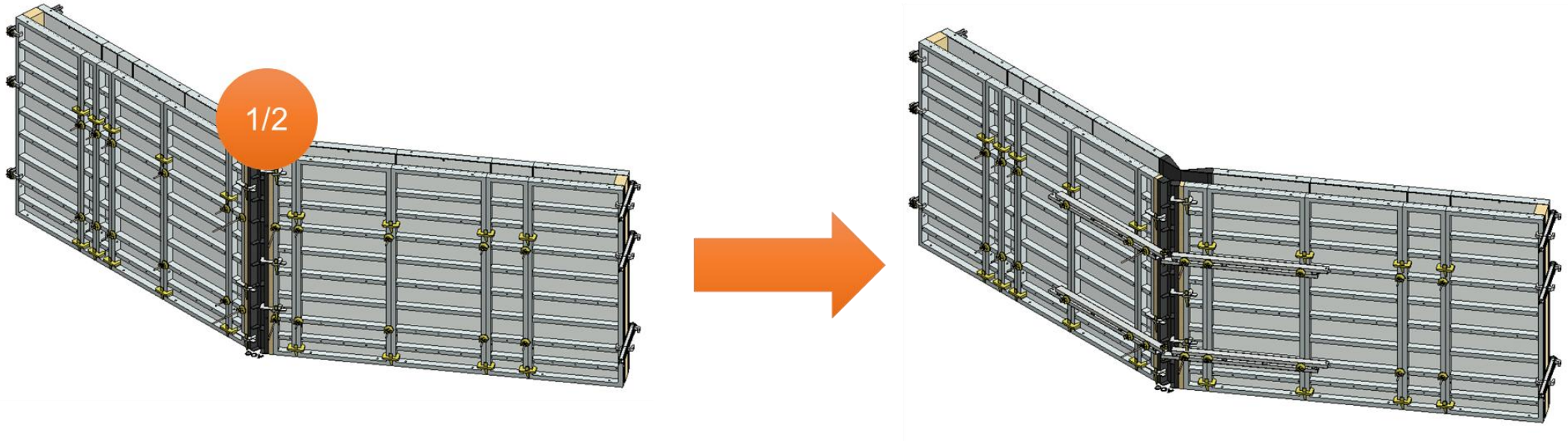


BIM²form Wall – Manual Alignment Rail

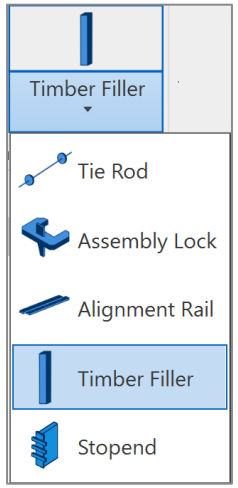
The two-click sequence for placing the alignment rails can also be used for bolting the joint corners. The joint corner must be selected twice with a double click.

The placement routine then analyses the length of the alignment rail based on the two following tie rods points. If alignment rail position on tie rod position is activated, the articulated flange nuts are automatically placed out.

The bolting via flange bolt and flange nut is also placed, also a required bolting on the inside if the inside angle is >100°.



BIM²form Wall – Manual Timber Filler

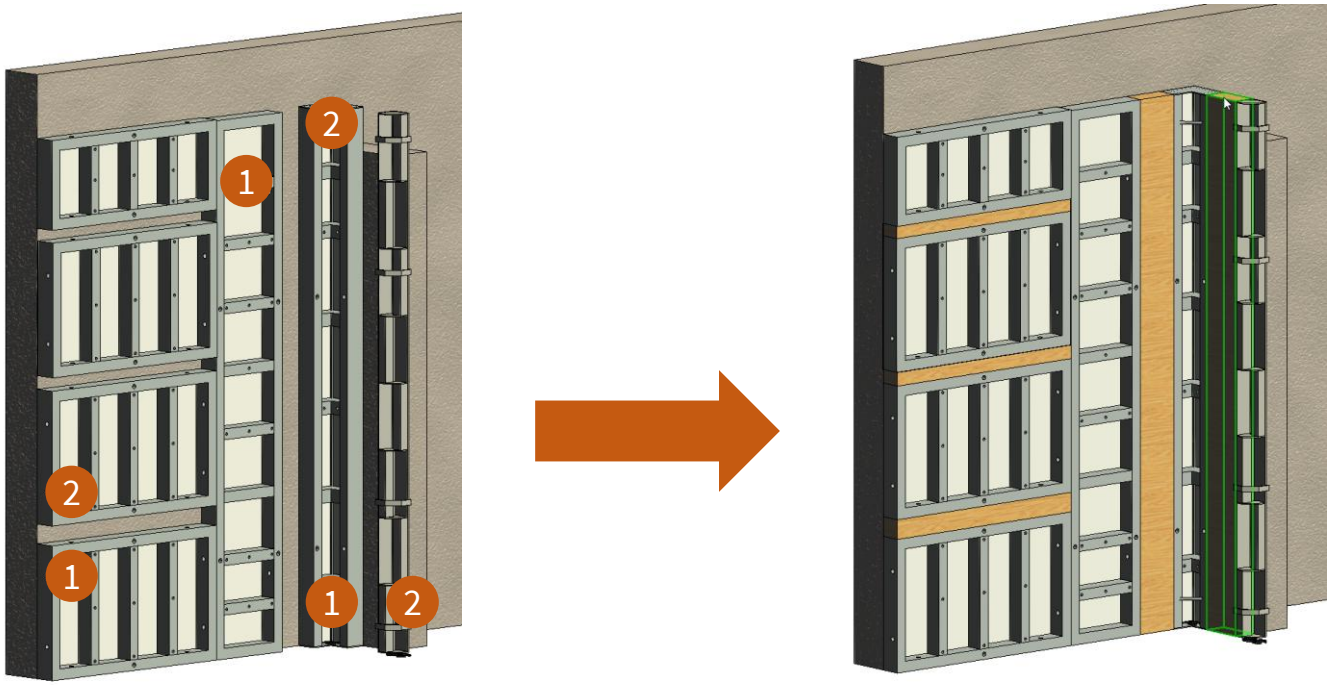
Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Timber Filler 		
Short description:	Place timber filler semi-manually		
Function description:	Via →**Timber Filler** the corresponding timber filler can be placed by selecting two elements, an element and a corner or two corners.		

BIM²form Wall – Manual Timber Filler

The partly manual placement of timber filler is done via two clicks by selecting two elements or corners standing next to each other or two elements stacked up horizontally. It does not matter which is the first and second click.

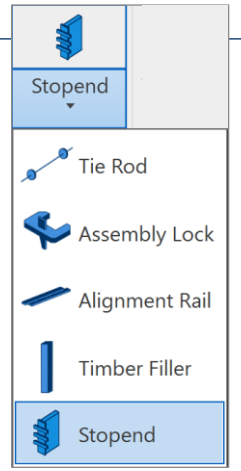
The routine determines the distance between the panels, the frame thickness and the panel height and places the timber filler between the panels accordingly.

The routine does not consider the maximum distance for timber filler depending on the Uni assembly lock.



BIM²form Wall – Manual Stopend

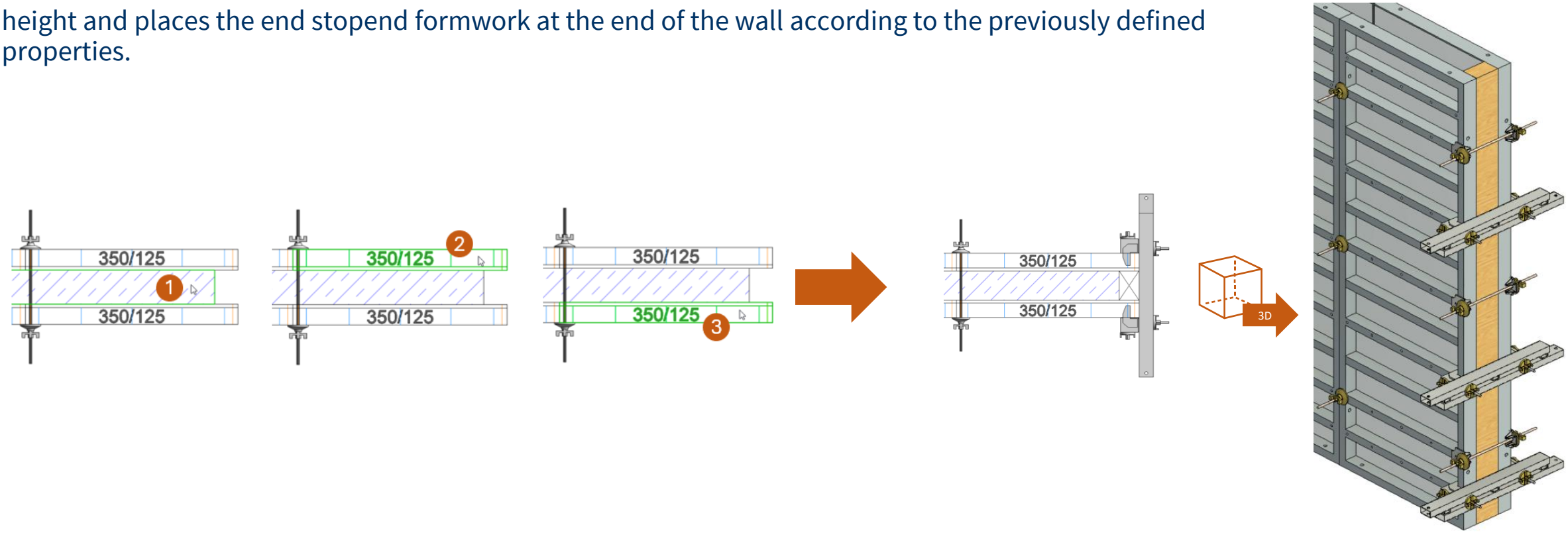
Name	Description	Icon	Illustraton
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Stopend		
Short Description:	Place stopend filler semi-manually		
Function Description:	Via →**Stopend** you can place a stopend according to the previously made selections in **Settings** by selecting the wall and two elements.		



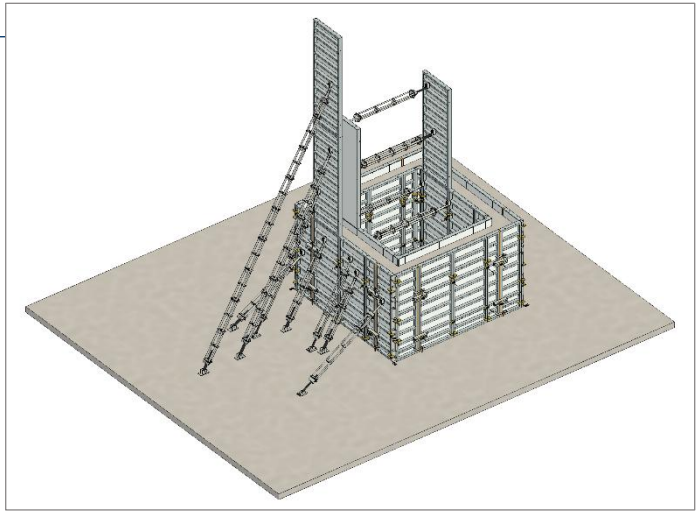
BIM²form Wall – Manual Stopend

The semi-manual placement of stopends is done with three clicks by first selecting the wall, then an element and its opposite element on which the stopend is to be placed. The order in which the elements are selected does not affect the placement.

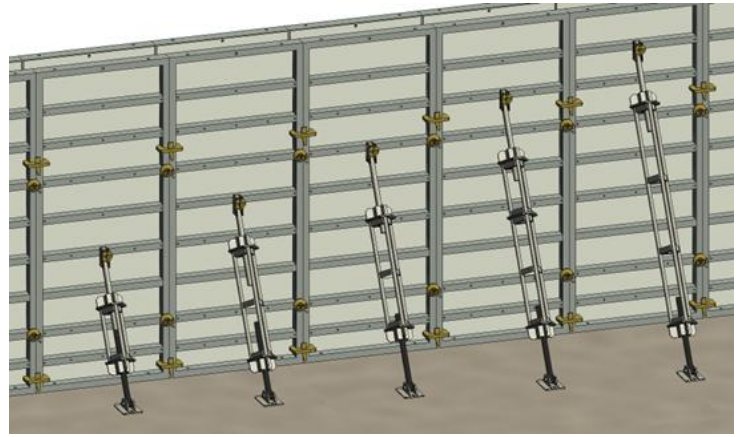
The routine determines the distance between the elements as well as the wall thickness and the element height and places the end stopend formwork at the end of the wall according to the previously defined properties.



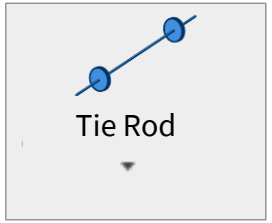
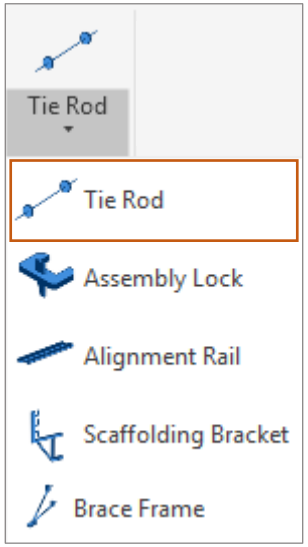
BIM²form Wall – Points Triplex

Name	Beschreibung	Icon	Darstellung
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Triplex-R / Triplex-SB		
Short description:	Places Triplex Props between two walls		
Function description:	Allows manual horizontal and 60° placement of Triplex props for bracing between two walls or walls and floors or ceilings. Triplex props can be placed between: • Element and element • Element and alignment rail • Alignment rail and alignment rail can be placed. It must be noted at this time that the multifunction points are placed exactly opposite to each other.		

BIM²form Wall – Points Triplex

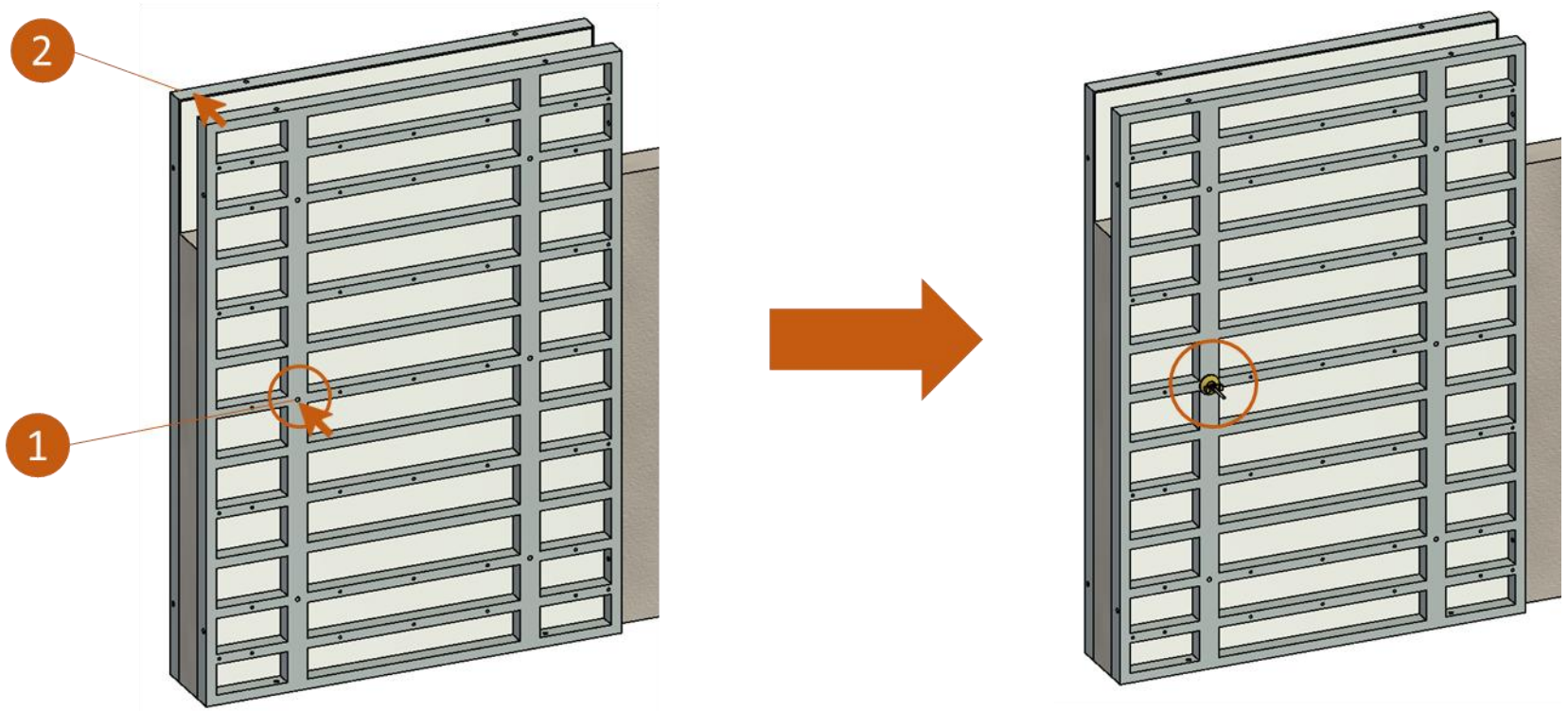
Name	Beschreibung	Icon	Darstellung
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Triplex-R		
Short description:	Places Triplex Props as inclined prop		
Function description:	Allows manual placement of Triplex props at an angle of 60° as an inclined prop between element and Triplex props can be placed between: • floor slabs • Slabs • or planes With selecting the command first, a click on an element and a second on floor slab, slab or a plane the prop is placed accordingly.		

BIM²form Wall – Points Tie Rod

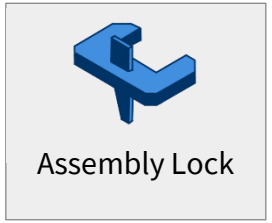
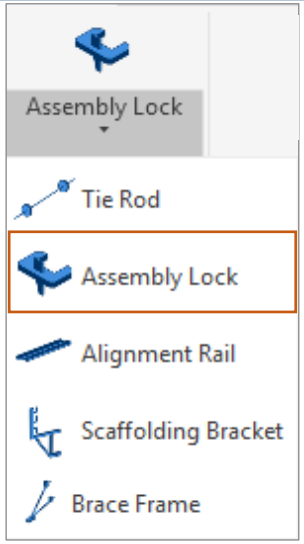
Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Tie Rod		
Short description:	Place tie rods manually through points		
Function description:	With the command →**Points**, exact points on elements can be selected to place **Tie Rods** manually in a specific location. After selecting the command, the first click selects the tie point, and the second click selects the exactly opposite element.		

BIM²form Wall – Points Tie Rod

The part-manual placement of tie rods via points is achieved by clicking on any tie rod hole of the element and indicating the opposite element. The tie rod hole selected with the first click is then used for anchoring.

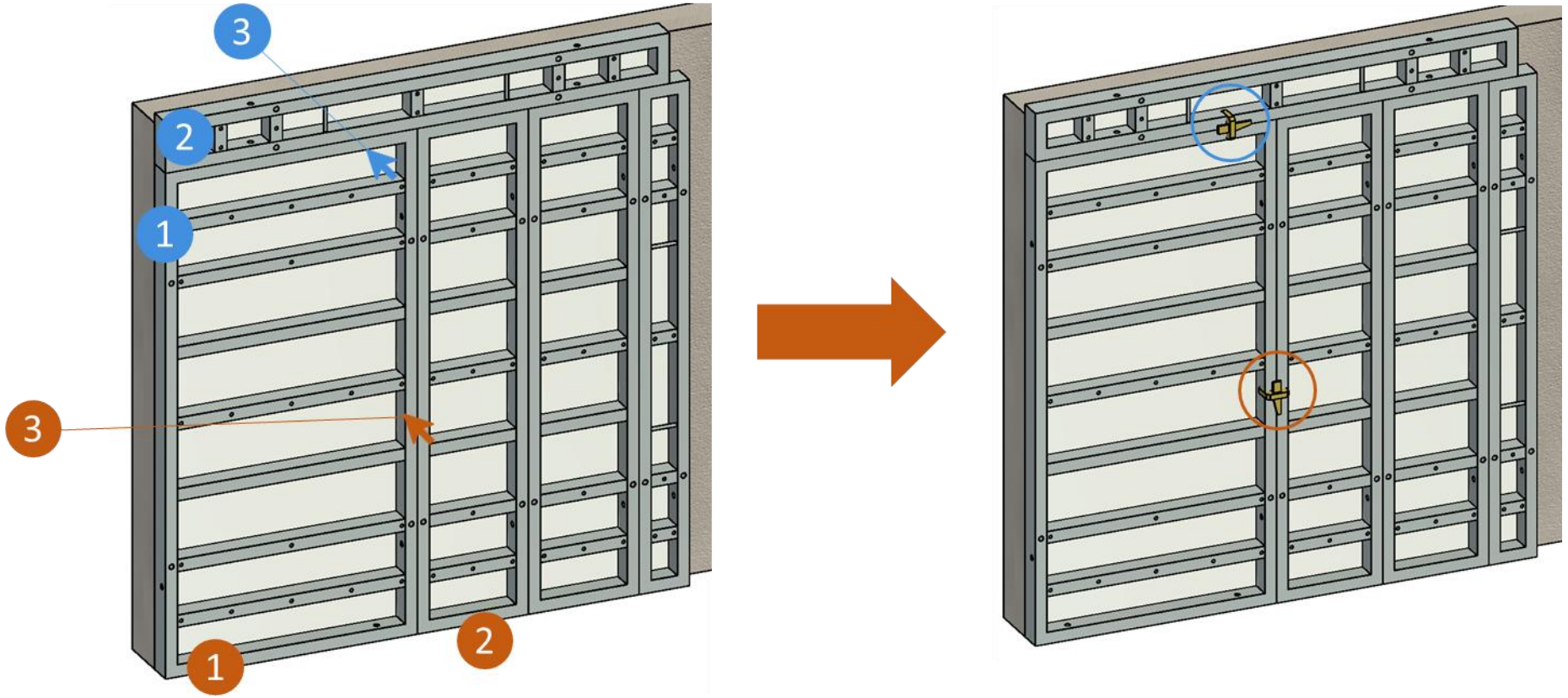


BIM²form Wall – Points Assembly Lock

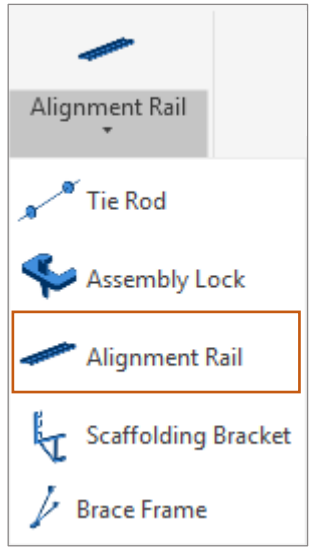
Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Assembly Lock		
Short description:	Place assembly locks manually through points		
Function description:	The command →**Points** can be used to select exact positions on elements in order to manually place assembly locks at a specific location. After selecting the command, two clicks are used to select the two elements to be connected, and a third click is needed to define the position of the assembly lock.		

BIM²form Wall – Points Assembly Lock

The part-manual placement of tie rods via points is achieved by clicking three times: one click each on two elements that are next to or above each other and with a third click on any position on the frame, the elements are then connected at this point.

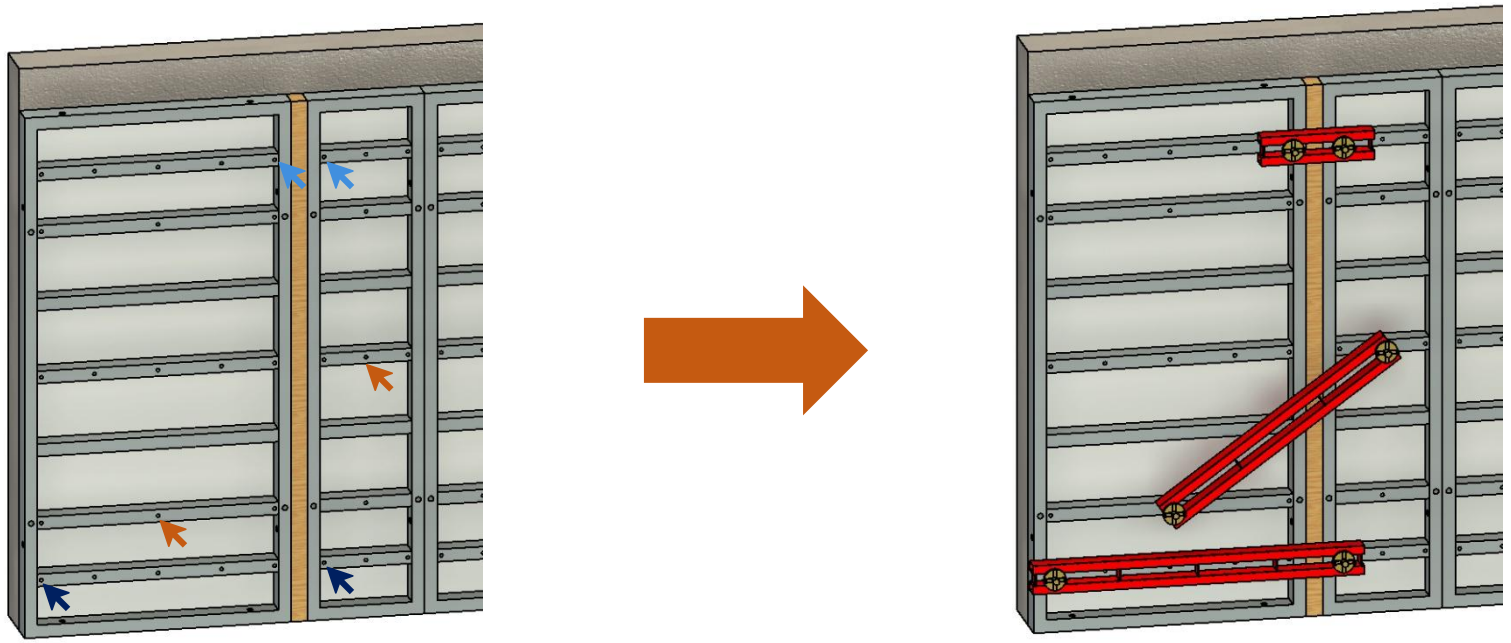


BIM²form Wall – Points Alignment Rail

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Alignment Rail		
Short description:	Place alignment rail manually through points		
Function description:	With the command →**Points**, exact points on elements can be selected to place **Alignment Rails** manually. After selecting the command, multifunction points are selected with two clicks, which define the start and end point of the alignment rail. The selection of the points also determines the length of the placed alignment rail.		

BIM²form Wall – Points Alignment Rail

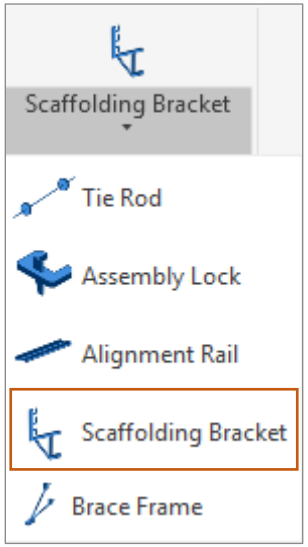
The precise placement of alignment rails is achieved via two clicks on any multifunctional points that specify the start and end points of the alignment rail. The selected points also determine the length of the alignment rail that is placed.



BIM²form Wall – Points Scaffolding Bracket

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Manual		
Command:	Scaffolding Bracket		
Short description:	Place Scaffolding Bracket semi-manually		
Function description:	The command →**Points** can be used to select exact points on elements in order to place **Scaffolding Brackets** manually. After selecting the command, select a multifunction point with one click, which specifies the placement point of the bracket. If no exact point is chosen, the scaffolding bracket is inserted at the nearest possible point		

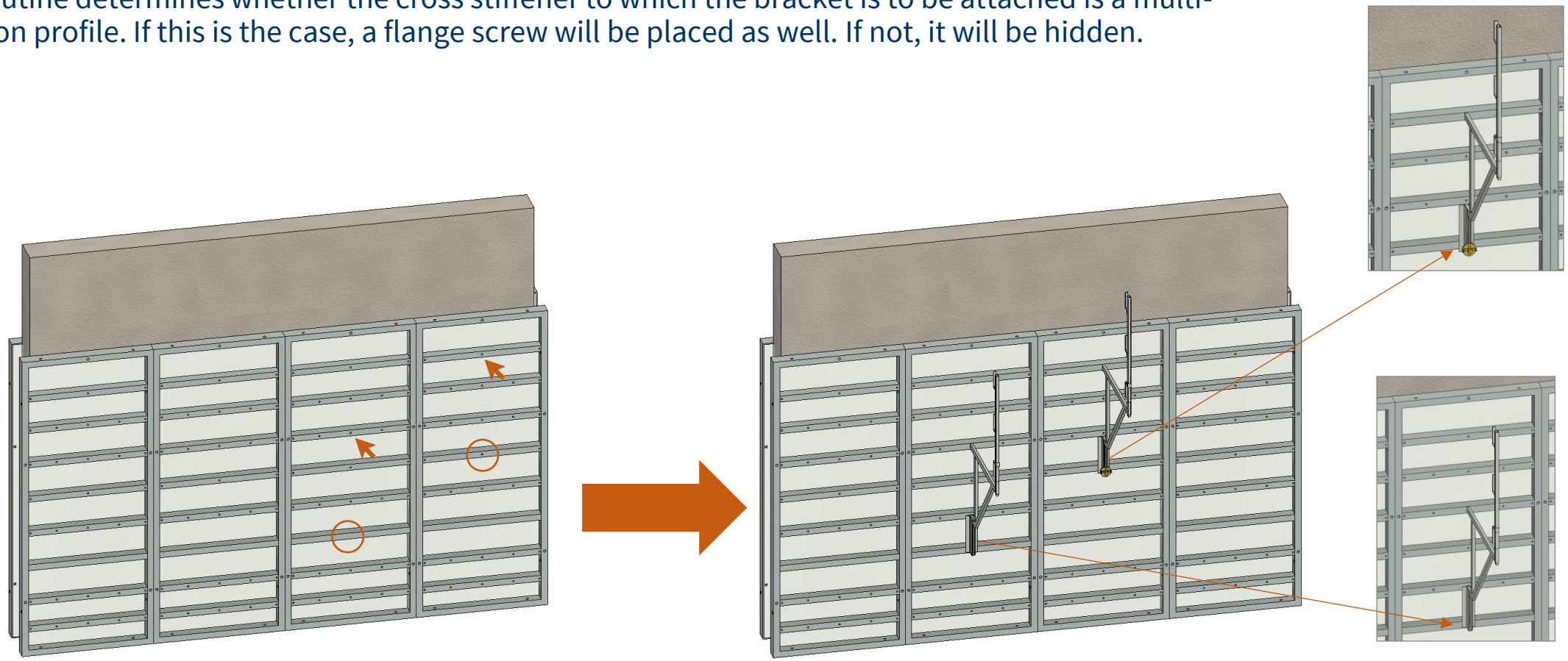




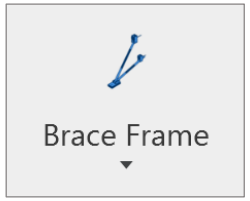
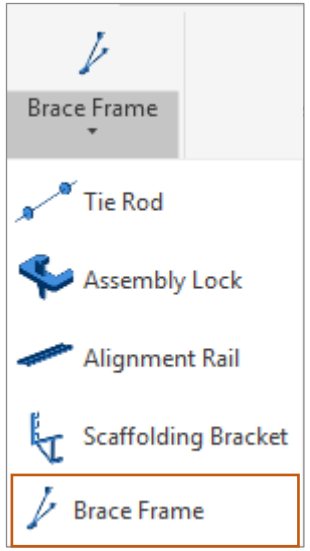
BIM²form Wall – Points Scaffolding Bracket

The semi-manual placement of scaffolding brackets is done by clicking on any cross stiffener of the element. The bracket is then positioned there.

The routine determines whether the cross stiffener to which the bracket is to be attached is a multi-function profile. If this is the case, a flange screw will be placed as well. If not, it will be hidden.



BIM²form Wall – Points Brace Frame

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Points		
Command:	Brace Frame		
Short Description:	Place Brace Frame semi-manually		
Functions Description:	The →**Points** command can be used to select precise points on elements in order to place brace frames manually. After selecting the command, a multifunction point is selected with a click, which specifies the insertion point of the brace frame. If no exact point is selected, the levelling bracket is inserted at the next possible point. If 'Column formwork with ground stop angles' is selected in the settings, a brace frame with two fixing points is placed.		

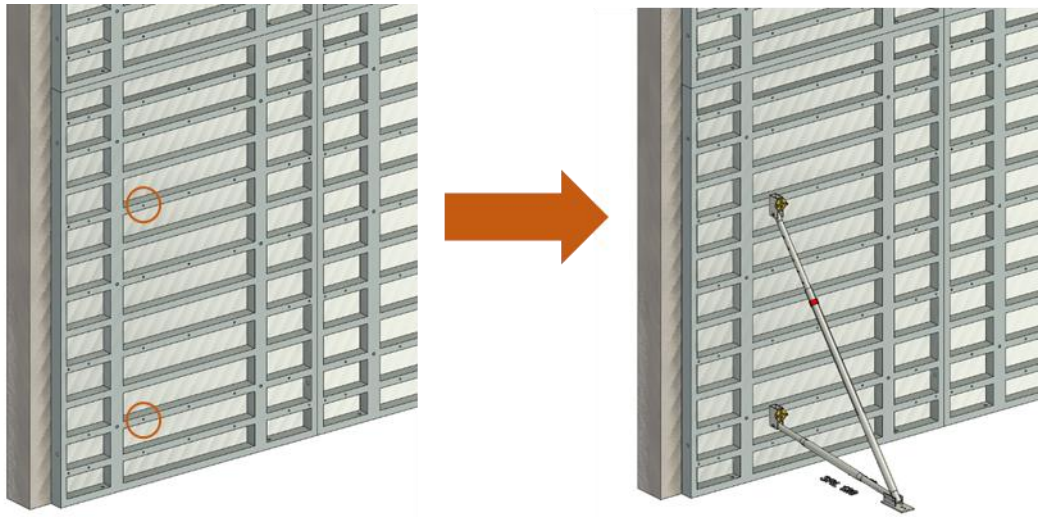
*The function is not available for all manufacturers / systems

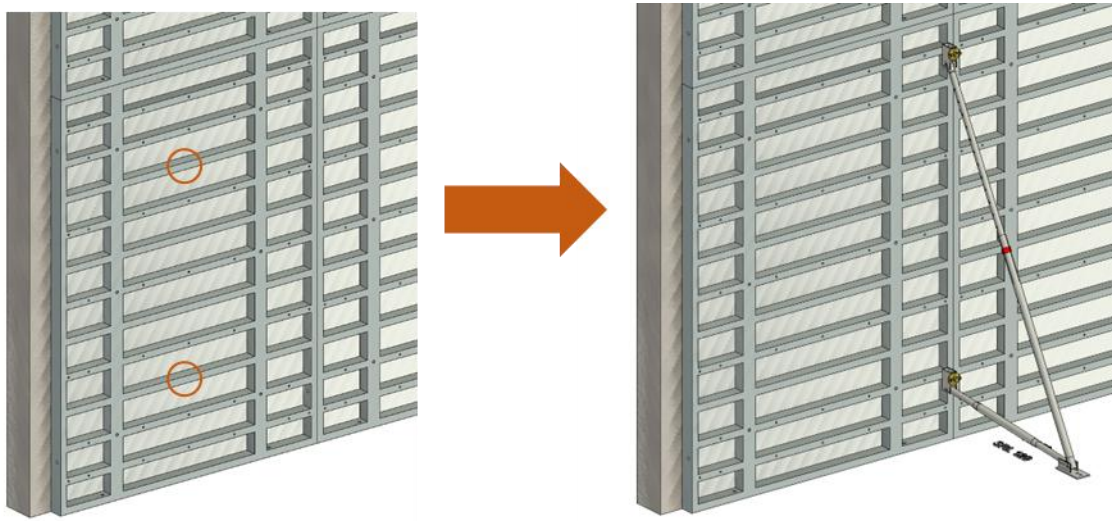
BIM²form Wall – Points Brace Frame

The partially manual placing of brace frames is done by clicking on two multi-function nuts in the cross stiffener of the element. The brace frame is then placed there.

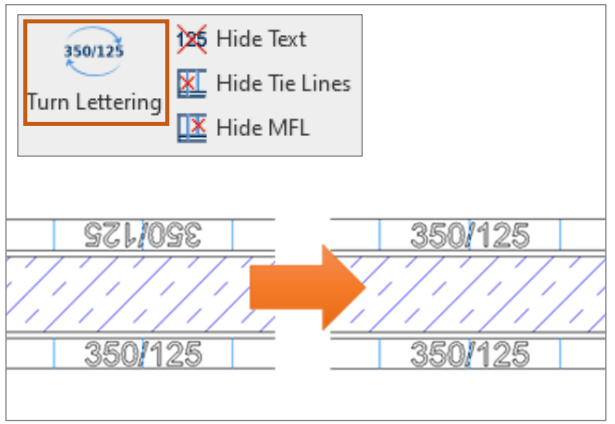
The routine determines whether the stiffener to which the bracket is to be attached contains a multi-function nut. If this is the case, the brace frame is placed exactly there.

If no multi-function nuts are selected, BIM²form places the brace frame at the outer right-hand point of the element.

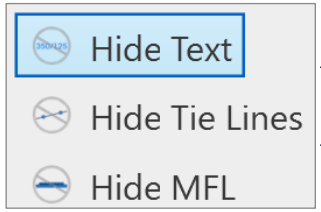
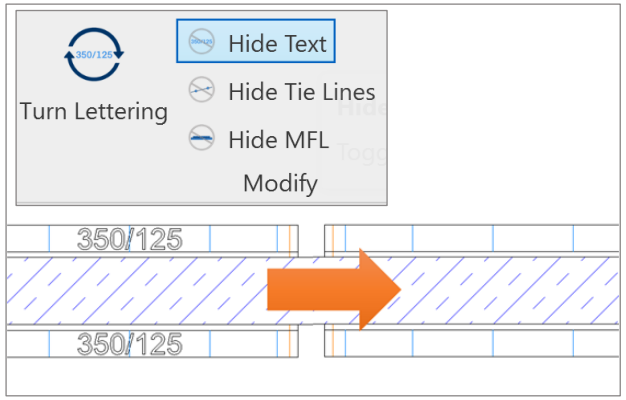




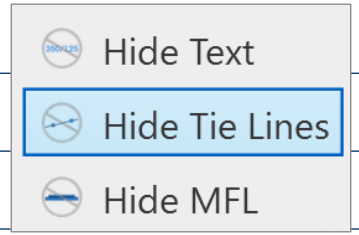
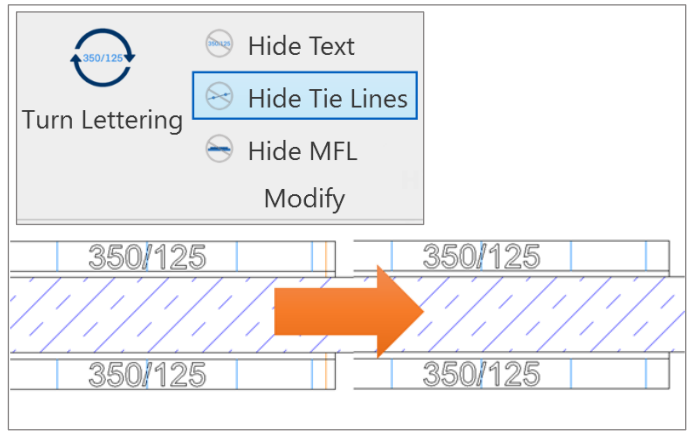
BIM²form Wall – Modify Turn Lettering

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Modify		
Command:	Turn Lettering		
Short description:	Rotates all model texts from the bottom or right legibly		
Function description:	In all elements, the description of the element height and width is stored as model text in order to maintain a consistent labelling of the elements in case of scale changes. By using the command →**Turn Lettering**, all model texts can be rotated in the right direction. Always legible from below or from the right.		

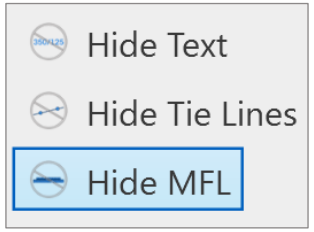
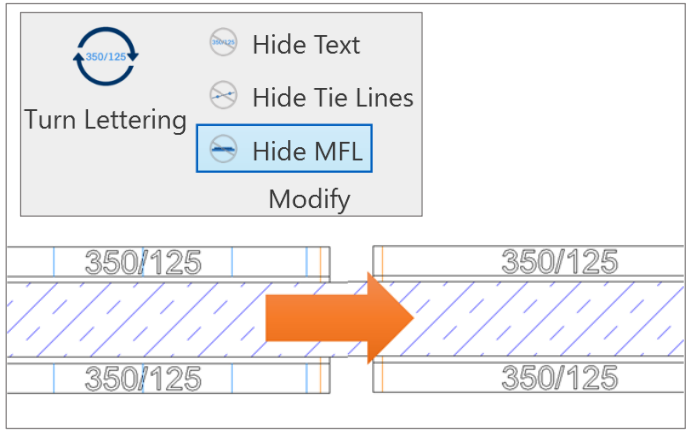
BIM²form Wall – Modify Hide Text

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Modify		
Command:	Hide Text		
Short description:	Hides all model texts in the current view		
Function description:	In all elements, the description of the element height and width is stored as model text in order to maintain a consistent labelling of the elements in case of scale changes. With the command →**Hide Text** all model texts in the elements can be hidden view-specifically.		

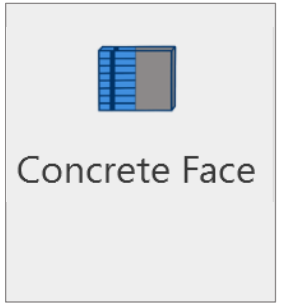
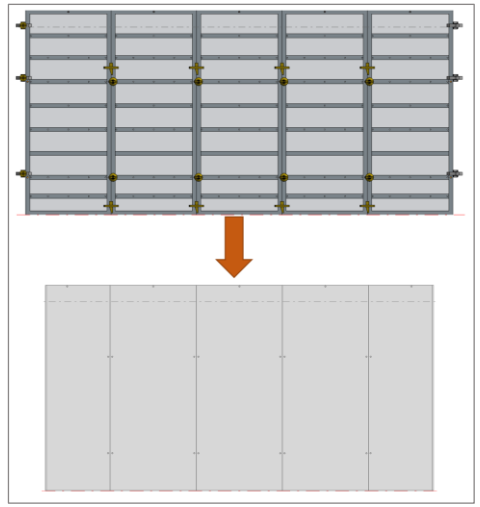
BIM²form Wall – Modify Hide Tie Lines

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Modify		
Command:	Hide Tie Lines		
Short description:	Hides all tie rod lines in the floor plan		
Function description:	For the representation in the floor plan, the tie rod points and, for example, all fastening points on the multi-function profiles of the MEVA panels are shown as coloured lines in the panels. These tie rod or fixing points can be hidden in the floor plan, e.g., for the plan derivation.		

BIM²form Wall – Modify Hide MFL

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Modify		
Command:	Hide MFL		
Short description:	Hides all multifunction lines in the floor plan		
Function description:	For the representation in the floor plan, the tie points and, for example, all fastening points on the multi-function profiles of the MEVA panels are shown as coloured lines in the panels. These multifunction lines can be hidden in the floor plan, e.g., for the plan derivation.		

BIM²form Wall – Modify Concrete Face

Name	Description	Icon	Illustration
Modul:	BIM²form Wall		
Modul Group:	Modify		
Command:	Concrete Face		
Short description:	Displays the architectural concrete structure		
Function description:	This command duplicates the current view (section or view) and displays the architectural concrete structure of the wall.		

Agenda

Introduction

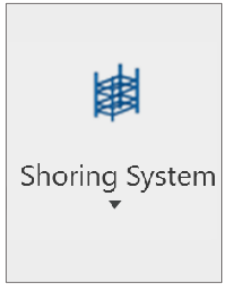
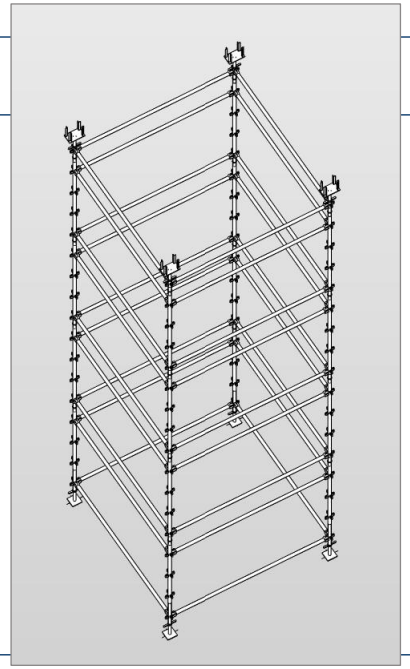
Operating Instructions

Wall

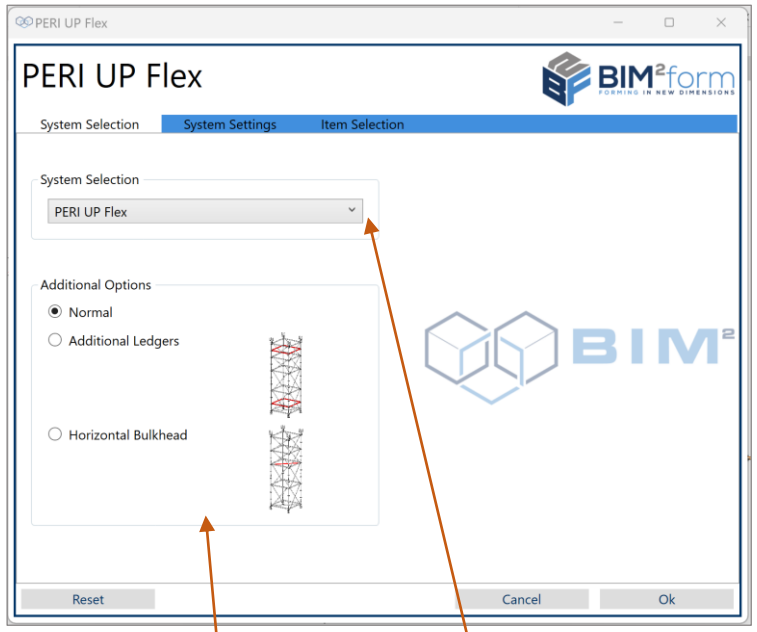
Slab

Manage

BIM²form Slab – Shoring Systems General

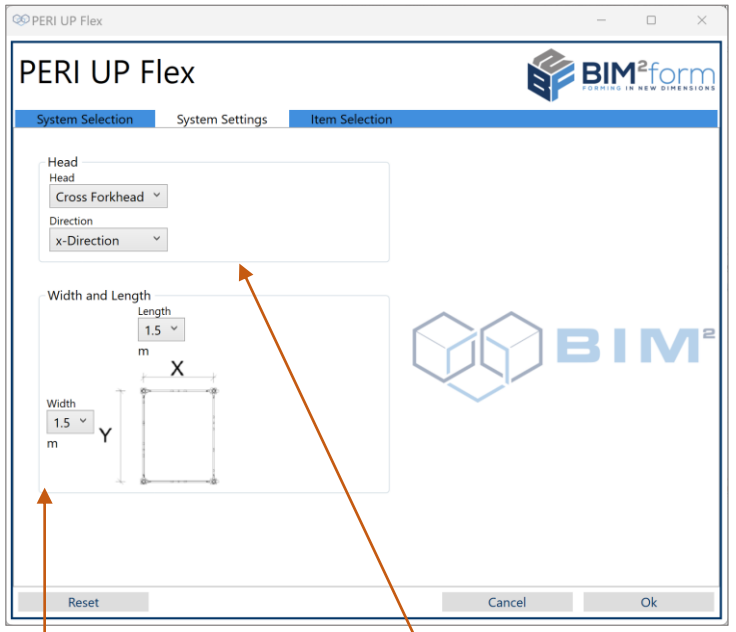
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Shoring Systems		
Command:	Towers of the selected Manufacturer		
Short description:	Placing a Shoring System Tower		
Function description:	When the command has been selected, BIM²form automatically switches to one of the suitable views for the height of the towers: North, South, East, West or a section. Here you select either two planes, reference planes or ceilings for the height. You then automatically switch to the selected floor plan and can select the insertion point by clicking on it. The user form opens in which the tower settings can be made before the tower is inserted as a group in the floor plan for easy copying.		

BIM²form Slab – Shoring Systems General



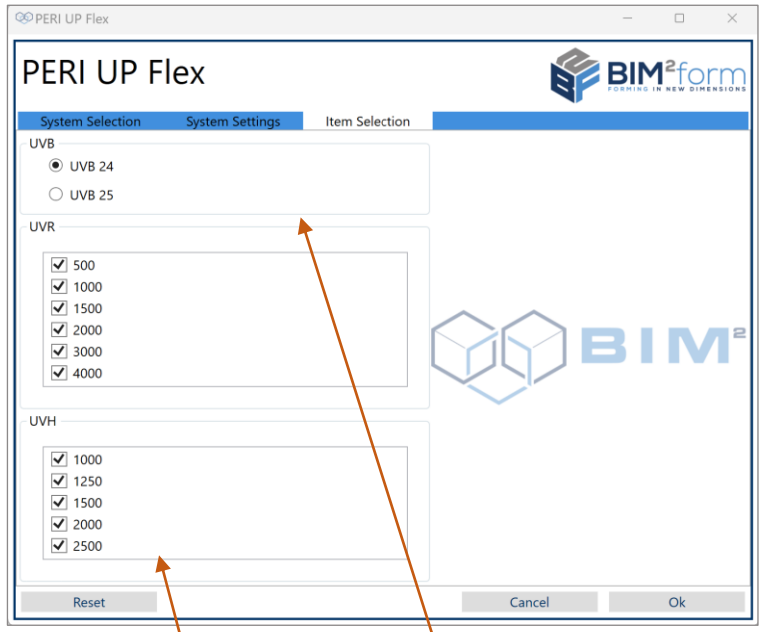
Additional Options

System Selection



Measurements

Head Spindle Selections



Available Verticals

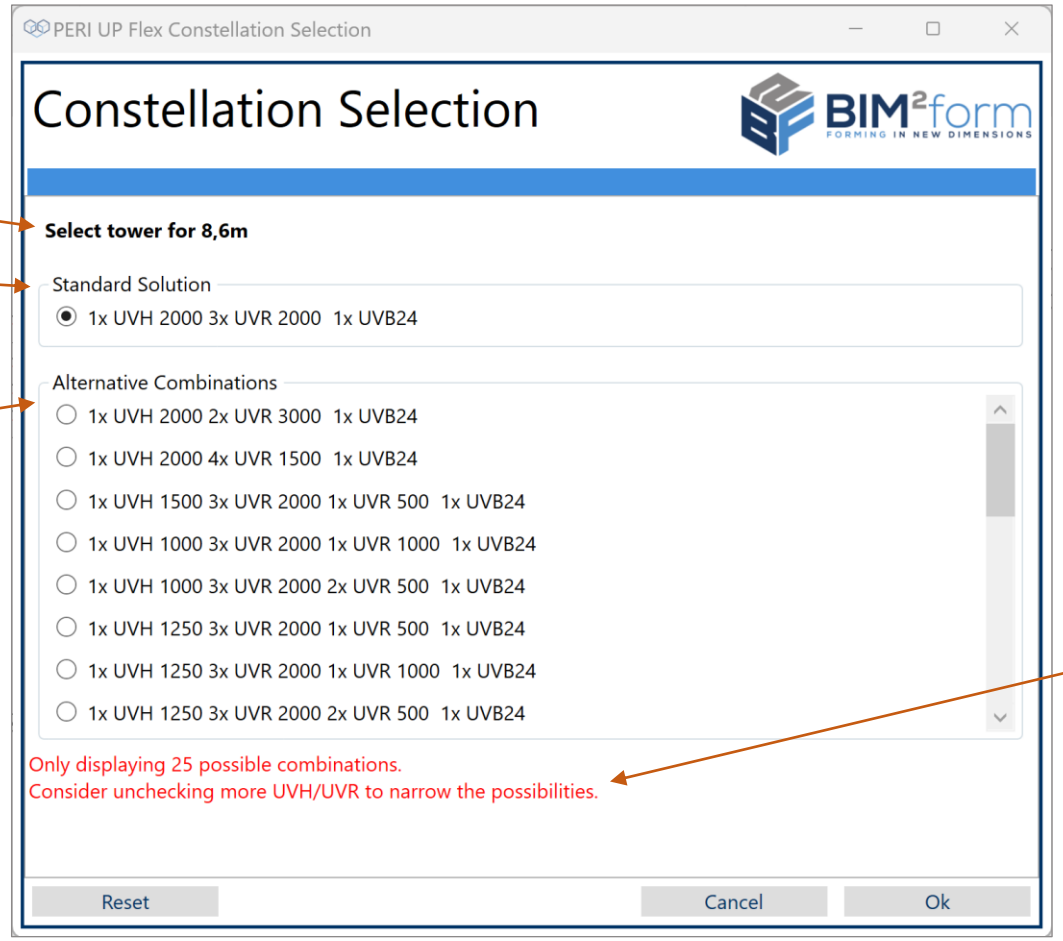
Spindle Options

BIM²form Slab – Shoring Systems General

Towerheight

Preselected Standard Solution

Other solutions depending on the selected verticals in the previous userform

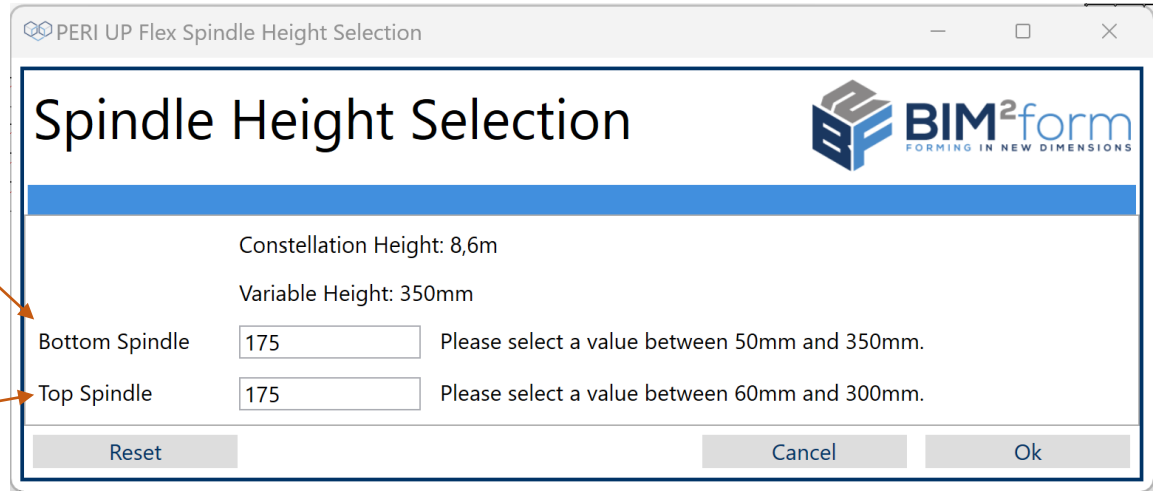


The more verticals were previously selected, the more options there are, which will cause some of them to not be displayed. It‘s worth considering limiting the selection of verticals to get the combinations you‘re looking for.

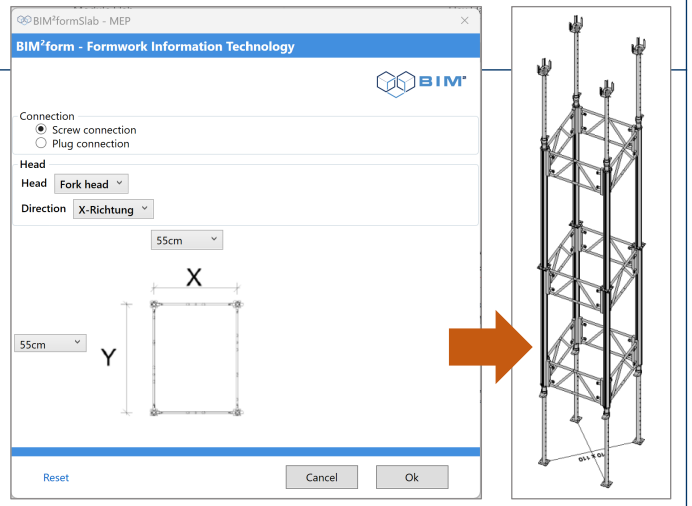
BIM²form Slab – Shoring Systems General

Setting the extension height of the foot spindle

Setting the extension height of the head spindle



BIM²form Slab – Shoring Systems MEVA

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Shoring Systems		
Command:	MEP, MT60, MEVA32		
Short Description:	Placing a Shoring System Tower		
Function Description:	After selecting the levels and the placement position in the floor plan, a user form opens to select the properties of the tower to be placed. Depending on the system, the tower heads, alignment of the heads, type of connector, length and width can be defined here. If confirmed, the tower is then inserted into the floor plan as a group for easy copying.		

BIM²form Slab – Shoring MEVA Configuration

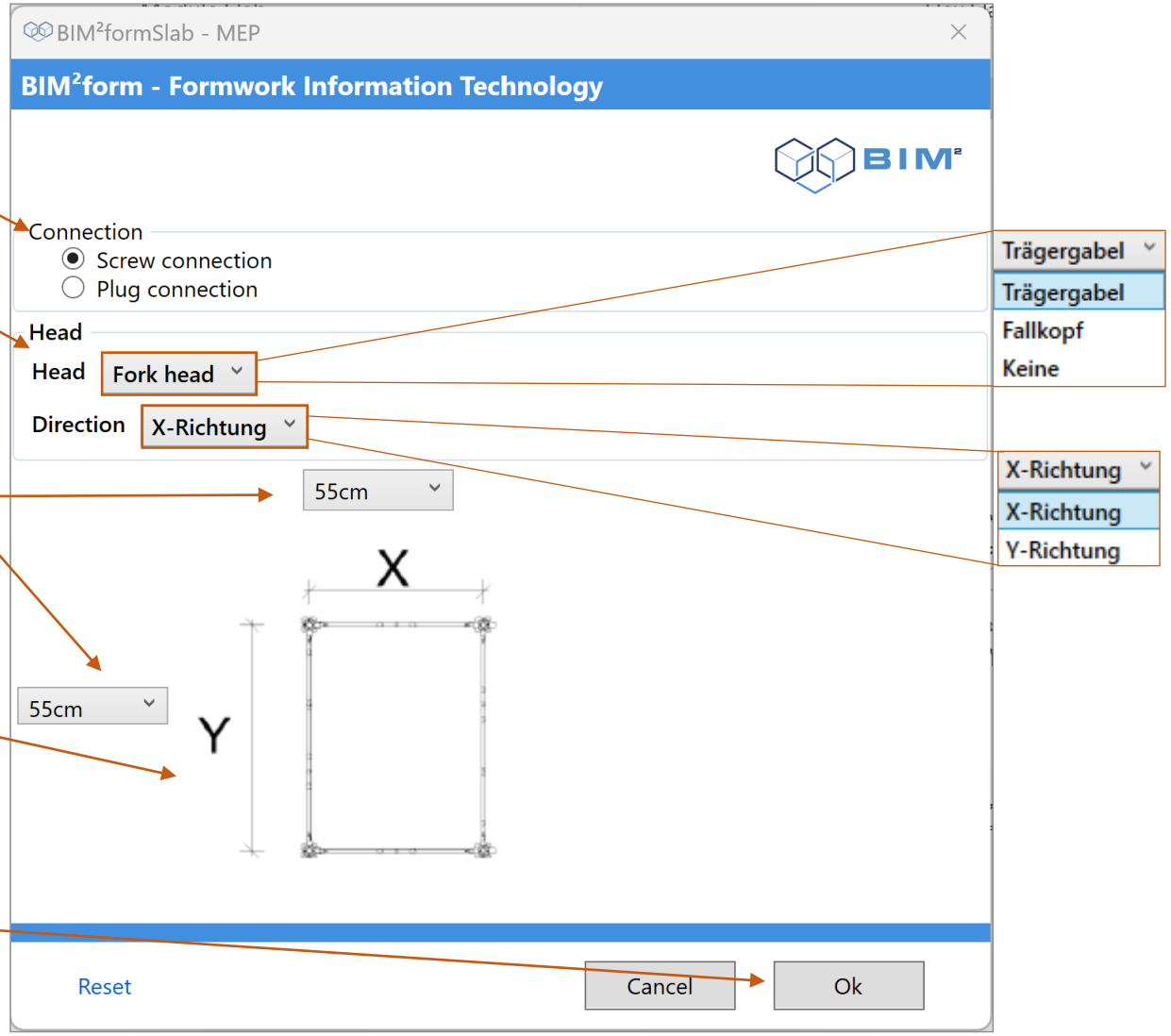
Selection of connections (Prop/Prop)

Selection of head tops and their alignment

Here you can select the desired dimensions depending on the frame lengths.

This graphic helps you to see the X and Y direction

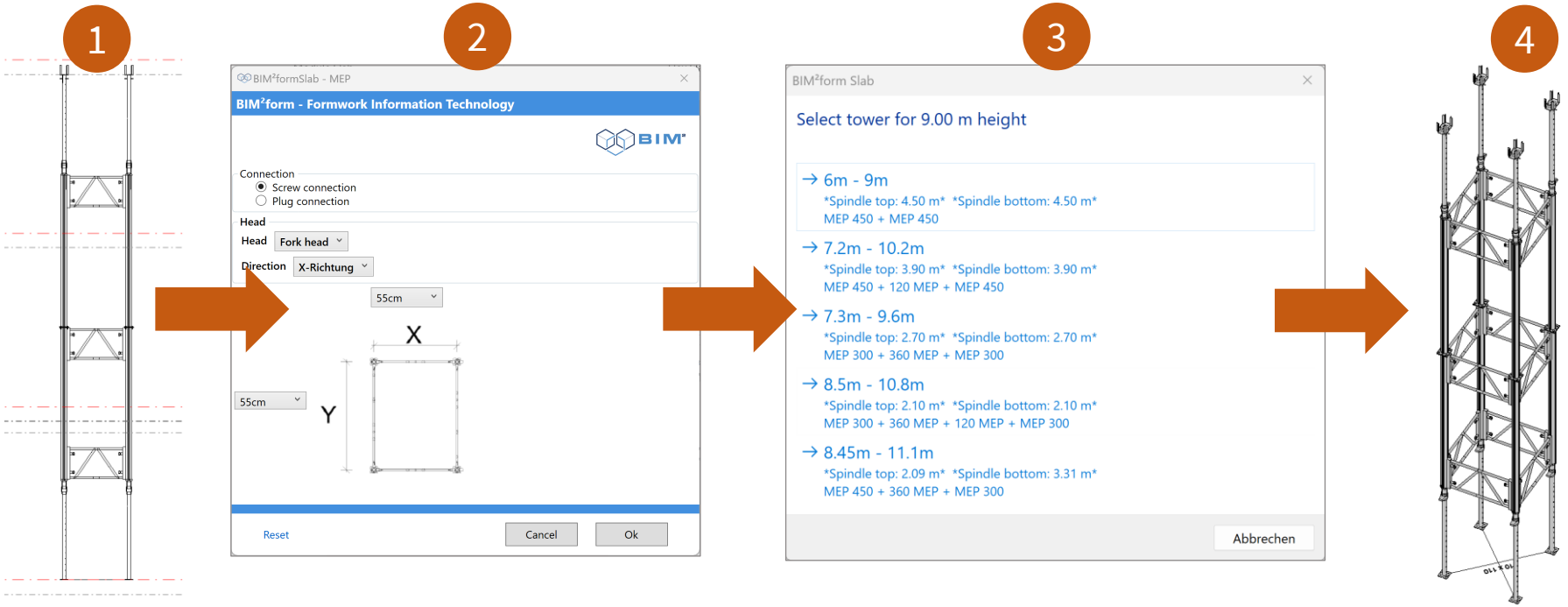
When you have made your settings, you can confirm with OK



BIM²form Slab – Shoring Systems MEVA

Procedure MEP Tower:

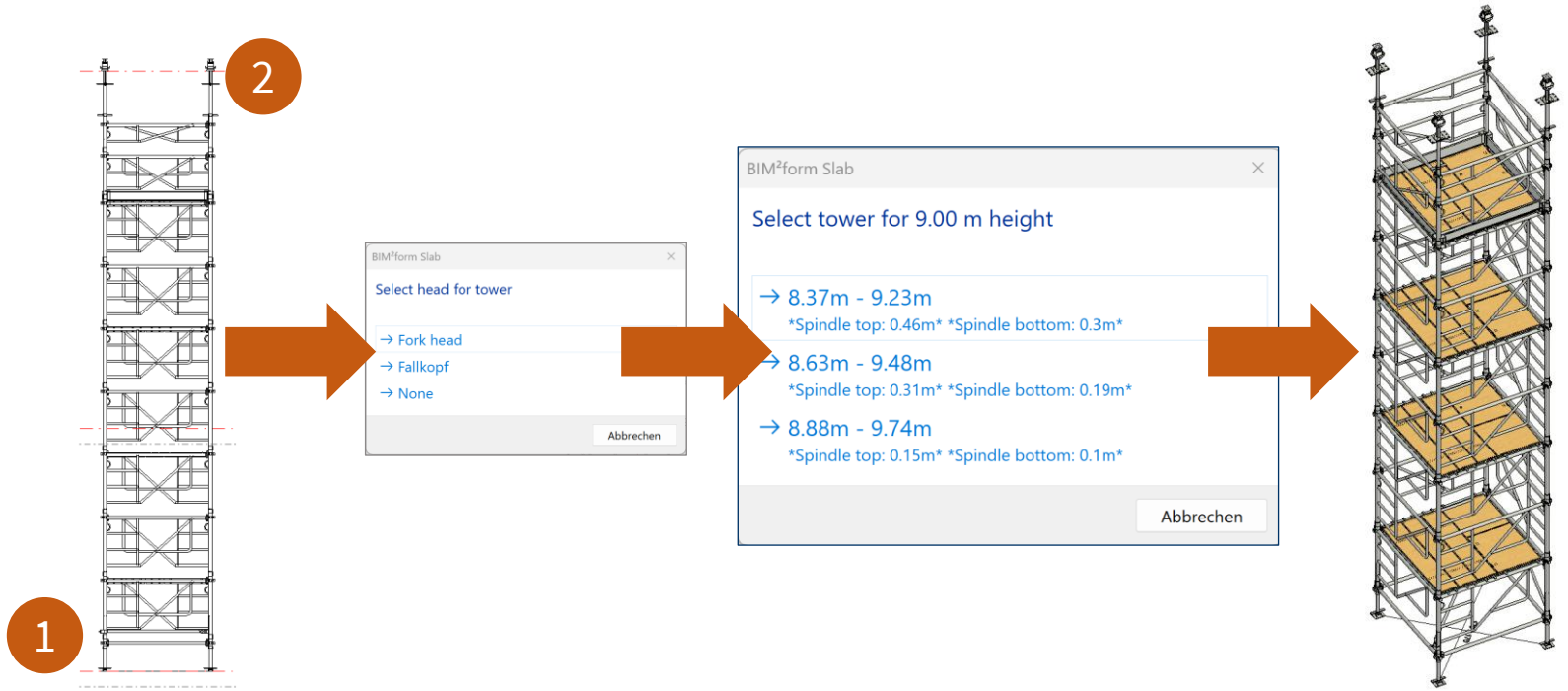
Select the desired **height** in the view/section (level, reference level, floor slab), then enter the desired **insertion point** in the floor plan (bottom left of the tower). You can make the desired settings via the User Form **MEP Configuration**. Now you will receive all possible constellations depending on the desired height. Here you select the **constellation** that is suitable for you and your project. This is then **placed as a group**.



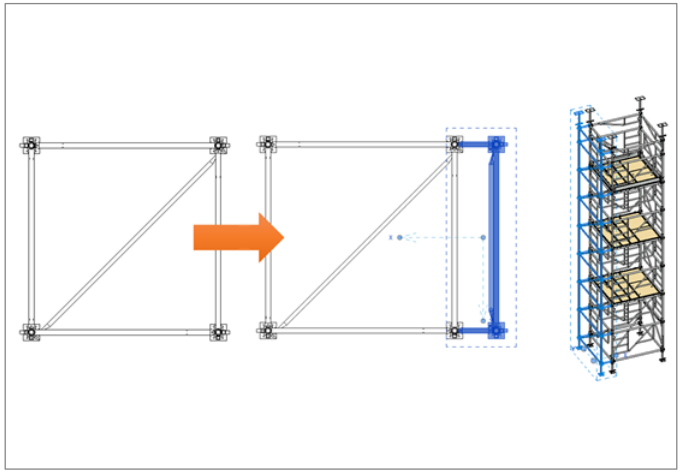
BIM²form Slab – Shoring Systems MEVA

Procedure MT60 Tower / MT60 6-Props :

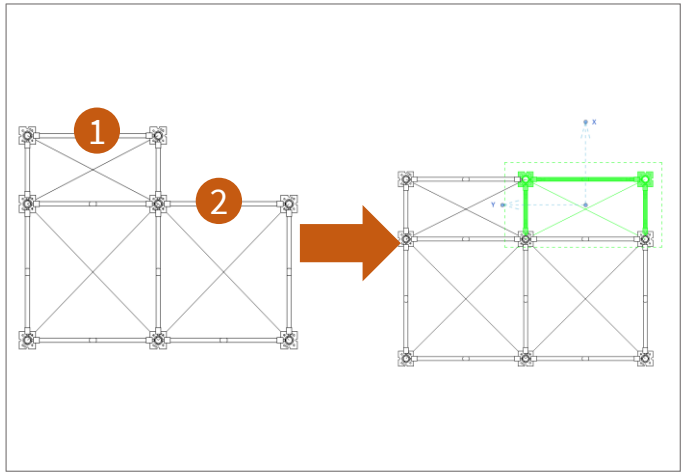
Select the desired height in the view/section (level, reference level, slab), then enter the desired **insertion point** in the floor plan (bottom left of the tower). You can make the desired settings fpr the **prop heads** via the User Form. Now you will get all possible **constellations** depending on the desired height. The spindle extension at the top and bottom of each constellation is displayed, so you can select the desired constellation in the tables from the manufacturer according to the load. This is then **placed as a group.**



BIM²form Slab – Shoring Systems Side Extension General

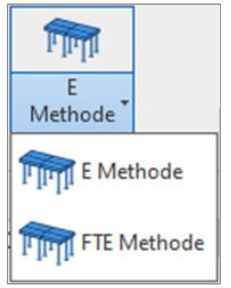
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Shoring Systems	Side extension	
Command:	Side Extension		
Short Description:	Extension of a tower via side		
Function Description:	With the →**Side Extension** command, you can add an extension to any side of a shoring tower. In most systems, a tower can have an unlimited* number of extensions and extensions can also be connected to each other and to corners. To do this, click on the desired side of the desired tower/extension after activating the command. The height constellation and the settings are taken from the tower, the missing side length is defined via a user form The extension/attachment is also inserted as a group.		

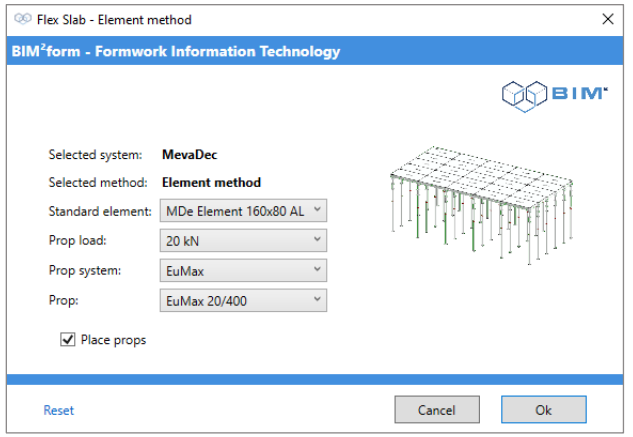
BIM²form Slab – Shoring Corner Extension General

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Shoring Systems		
Command:	Corner Extension	Corner extension	
Short description:	Extension of a tower over corner		
Function description:	The →**Corner extension** command is used to place a corner tower between two extensions or towers. This is done with two clicks by selecting the two side extensions one after the other. The dimensions and other properties of the corner tower are taken from the two selected towers. The extension/addition side is also inserted as a group.		

BIM²form Slab – Modular Slab E- & FTE-Method

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Dec		
Short description:	Starting command modular slab formwork		
Function description:	Partly automated placing of the modular slab formwork system MevaDec element method. With the command →**Dec**, the corresponding height is selected once for the desired slab. This height is selected by all subsequent commands of the existing families and saves the repeated selection of the height. The exact procedure of the function is described in the following slides.		





BIM²form Slab – Modular Slab E- & FTE-Method

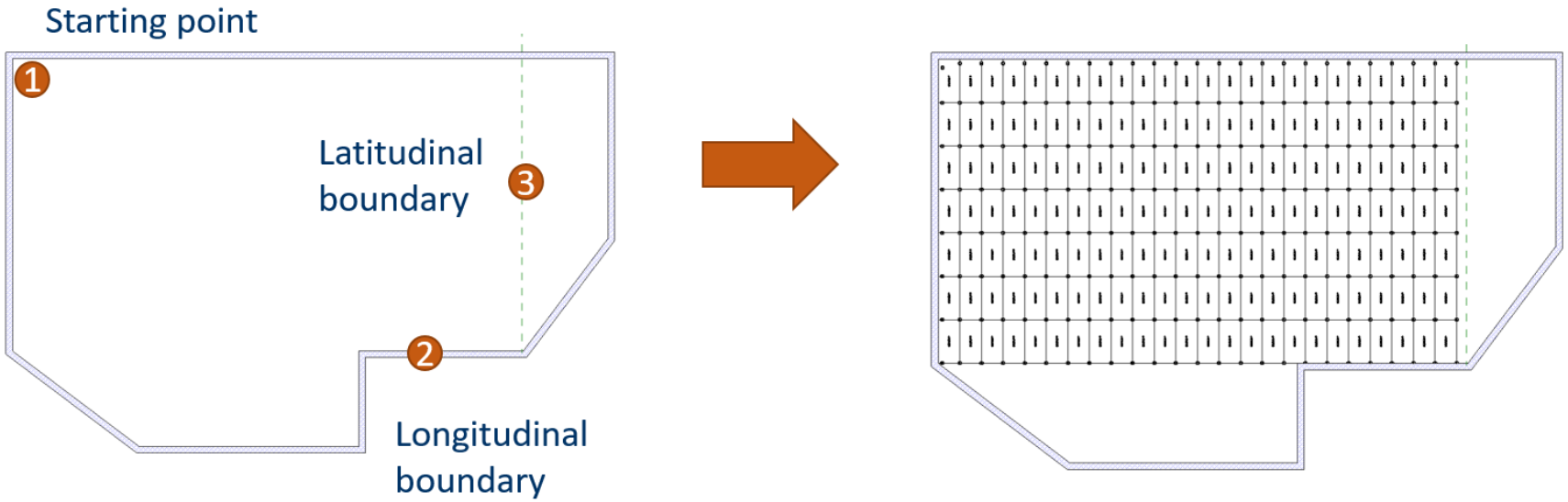
Procedure Dec:

After executing the function, the programming automatically switches to a suitable view, if possible, where you can select 2 levels (levels, reference levels) for the height.

Then the programming automatically switches to a suitable floor plan or ceiling plan.

First, set the starting point for the ceiling module. For this you can select an intersection point on the inside of the wall between 2 walls, lines or reference planes.

Then select a wall, line, reference level for the boundary in the longitudinal direction and the same for the boundary in the latitudinal direction.



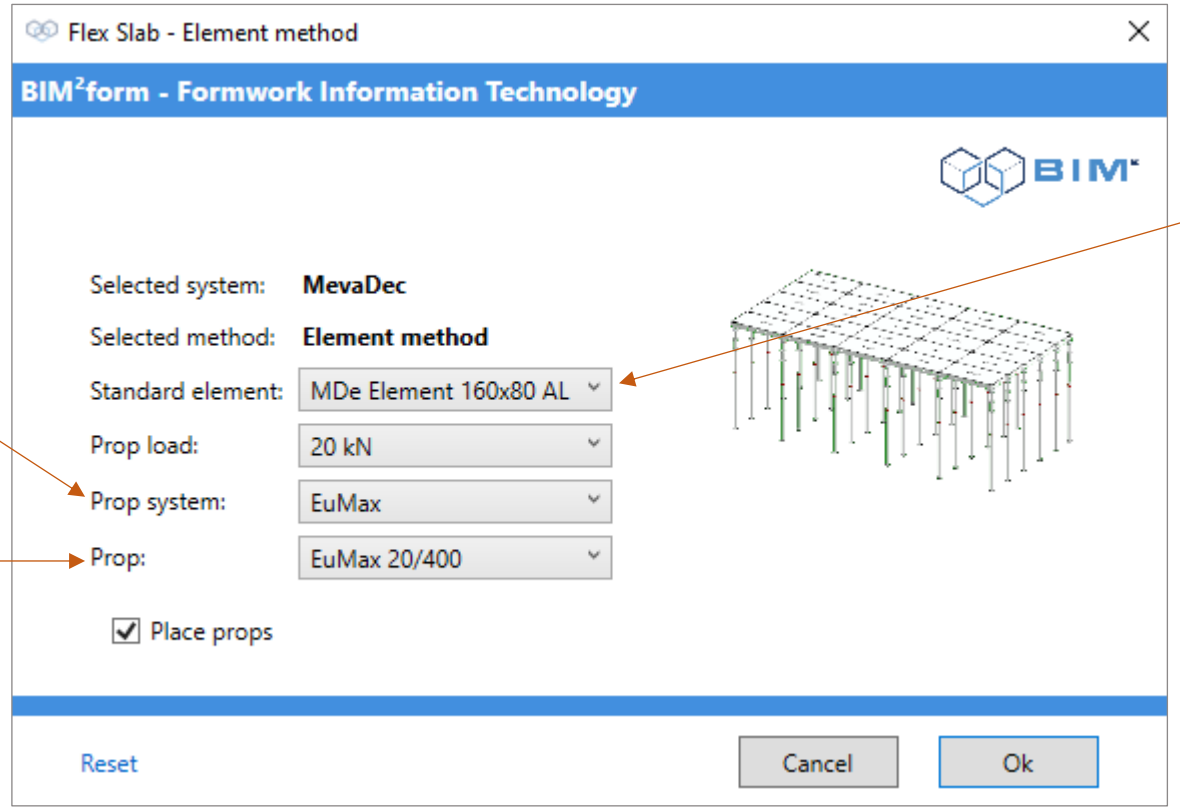
BIM²form Slab – Modular Slab E- & FTE-Method

Procedure Dec:

After selecting the starting point and limiting the longitude and latitude, the following user form will appear:

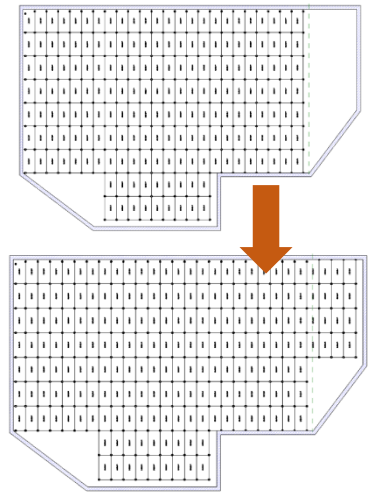
Selection of Prop system

Depending on the selected height, prop load and prop system only props that fulfill these requirements will be available for selection.



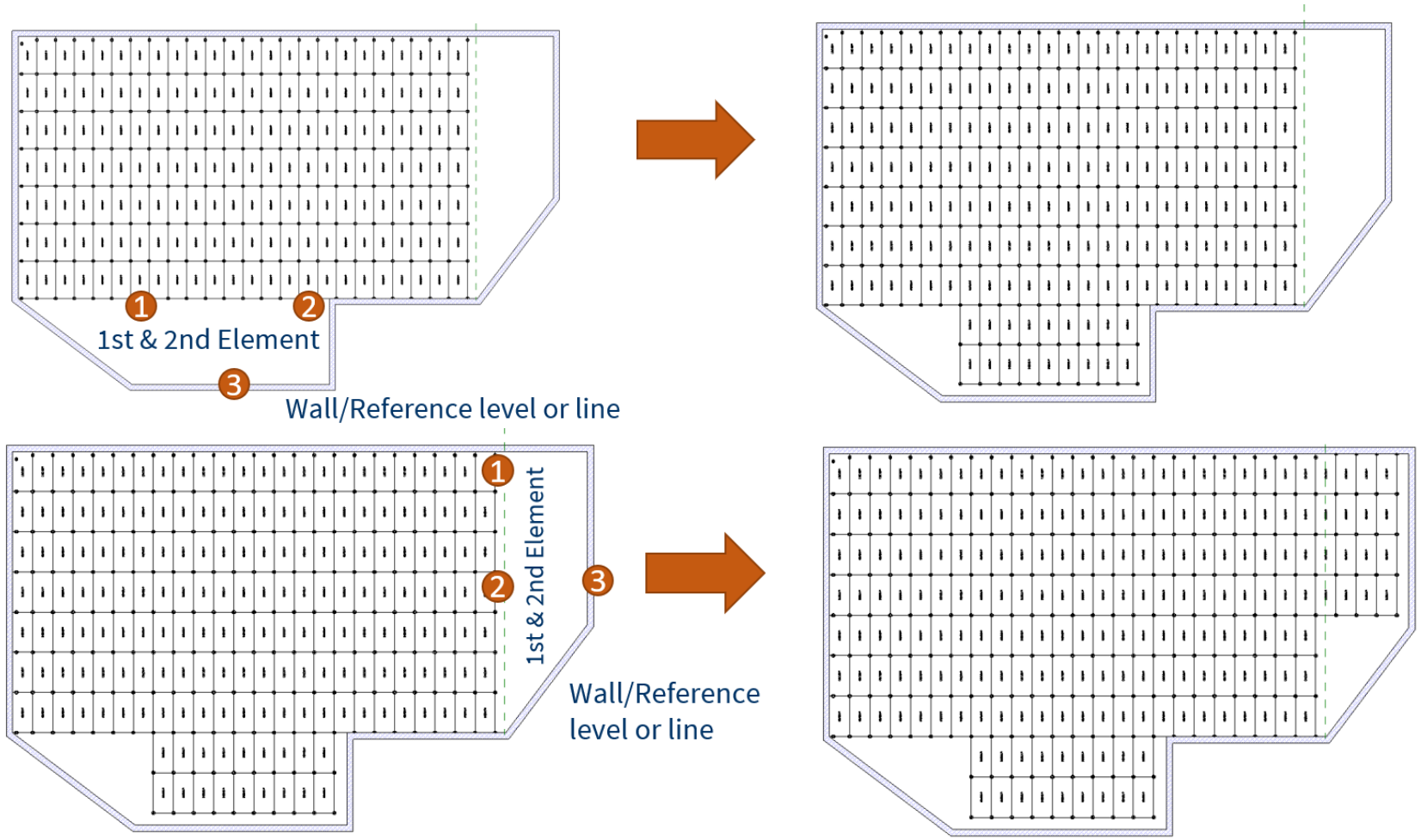
Selection of elements to be used for Dec and standard area

BIM²form Slab – Modular Slab Standard Area E-Method

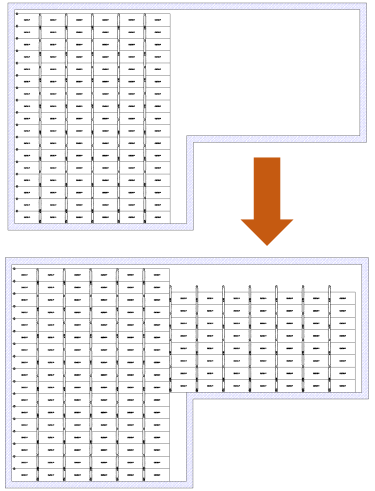
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Standard area		
Short description:	Extend standard areas		
Function description:	After executing the E-Method command, the area can be extended accordingly using the standard area function with the standard element set in E-Method. For this, two elements are selected (start and end point) in the width or length restriction by selecting a wall, reference level or line. The procedure is described in detail in the following slide.		

BIM²form Slab – Modular Slab Standard Area E-Method

Procedure standard area E-Method:

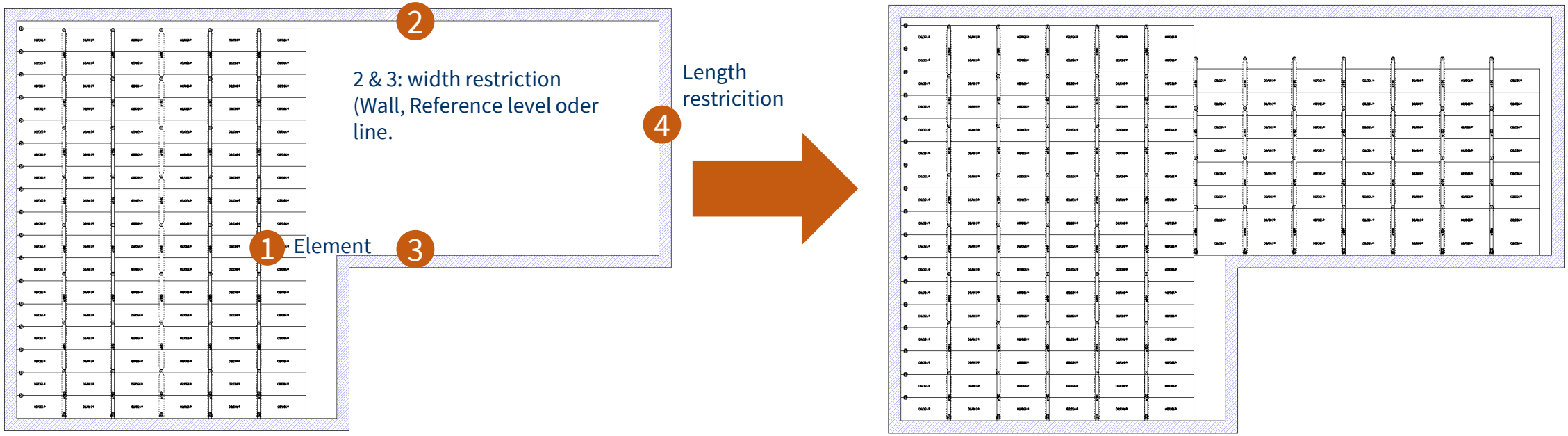


BIM²form Slab – Modular Slab Standard Area FTE-Method

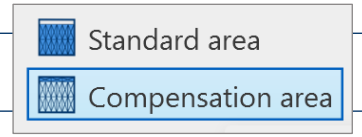
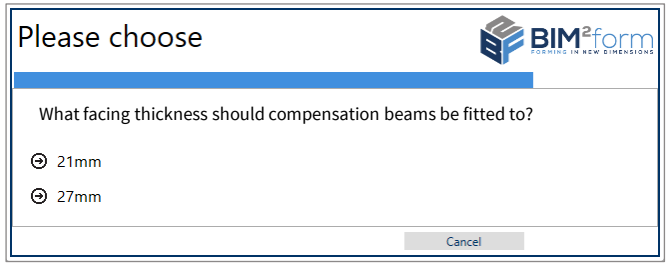
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Standard area		
Short description:	Extend standard areas		
Function description:	After executing the FTE-Method command, the area can be extended accordingly using the standard area function with the standard element set in FTE-Method. For this, one element is selected (start point), then two restrictions in width and one in length by selecting a wall, reference level or line. The procedure is described in detail in the following slide.		

BIM²form Slab – Modular Slab Standard Area FTE-Method

Procedure standard area FTE-Method:



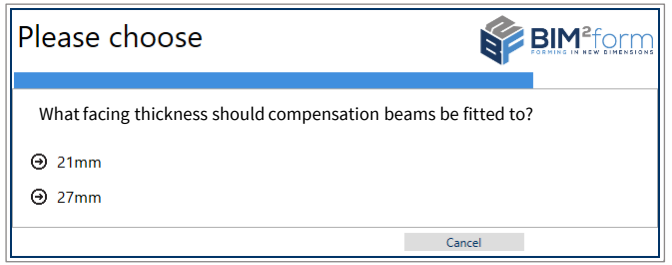
BIM²form Slab – Modular Slab Compensation Area

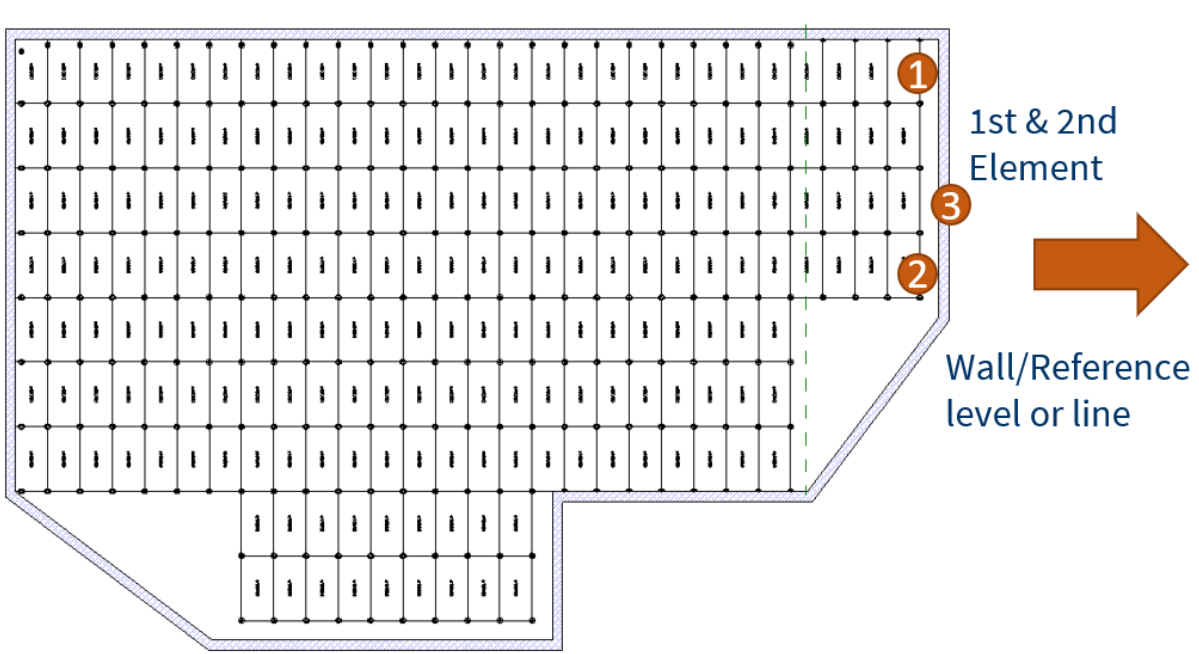
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Compensation area		
Short description:	Extend slab with compensation areas		
Function description:	After executing the standard area command, the compensation area function can be used to fill the areas that could not be filled with the selected standard element. For this, two elements are selected (start and end point) in the width or length restriction by selecting a wall, reference level or line. Then a user form opens in which the formwork facing thickness (required for compensation beams, if these are required) can be selected.		

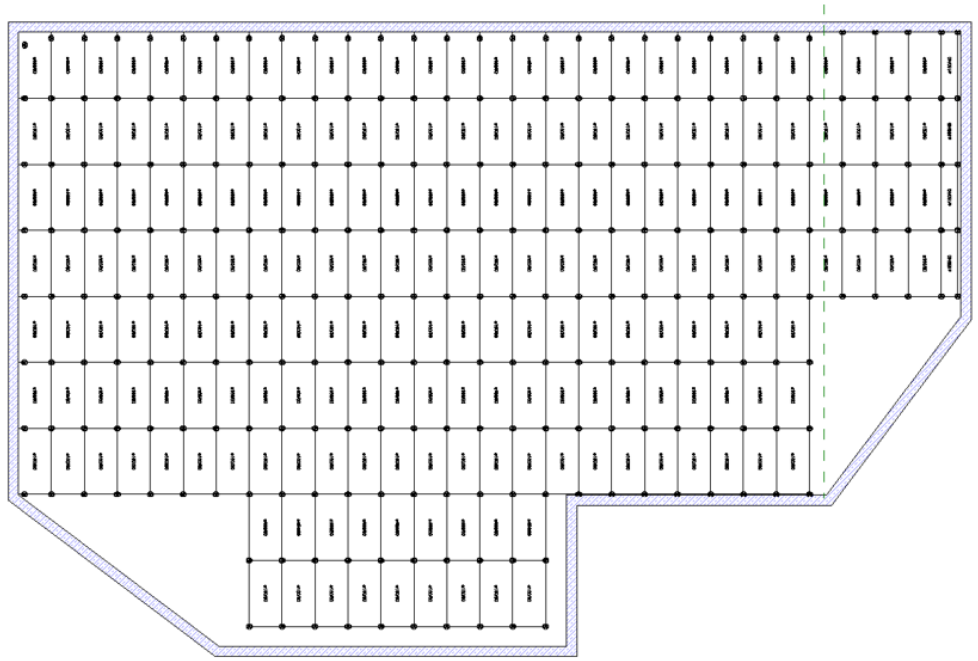
BIM²form Slab – Modular Slab Compensation Area

Procedure compensation area:

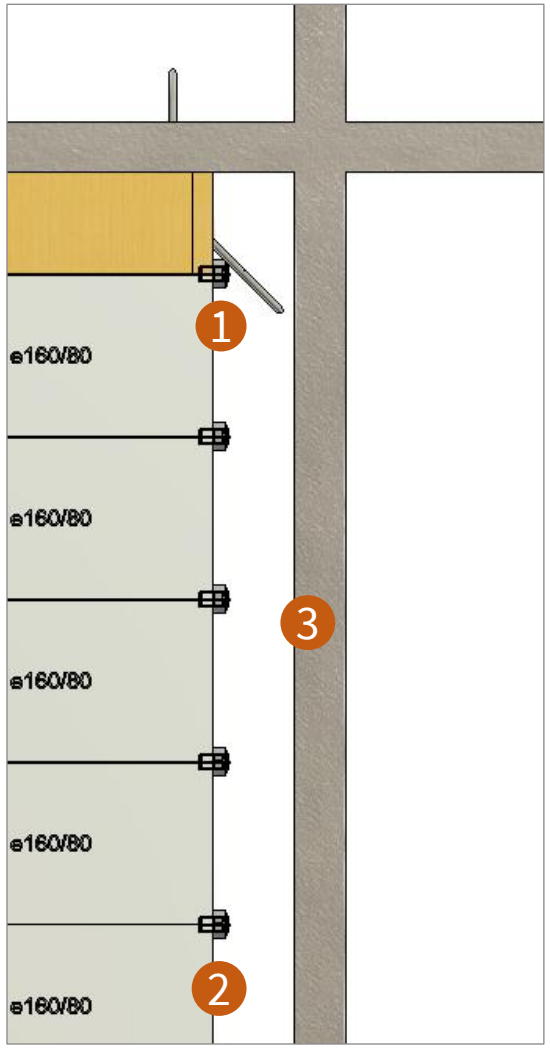
After the function has been selected, a UserForm appears. Here the thickness of the facing for compensation beams (if required) can be selected.

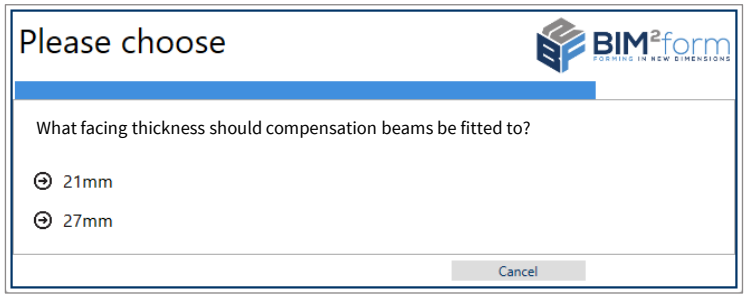


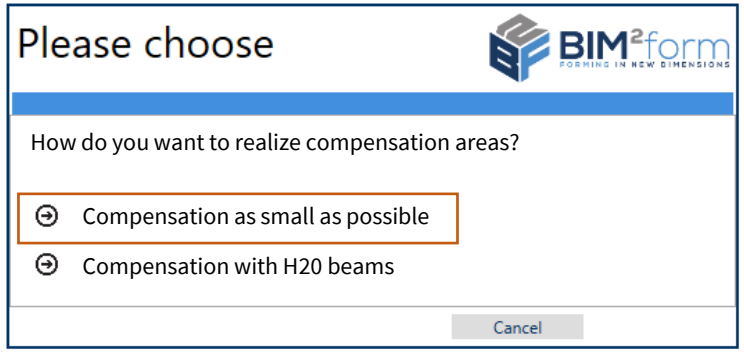


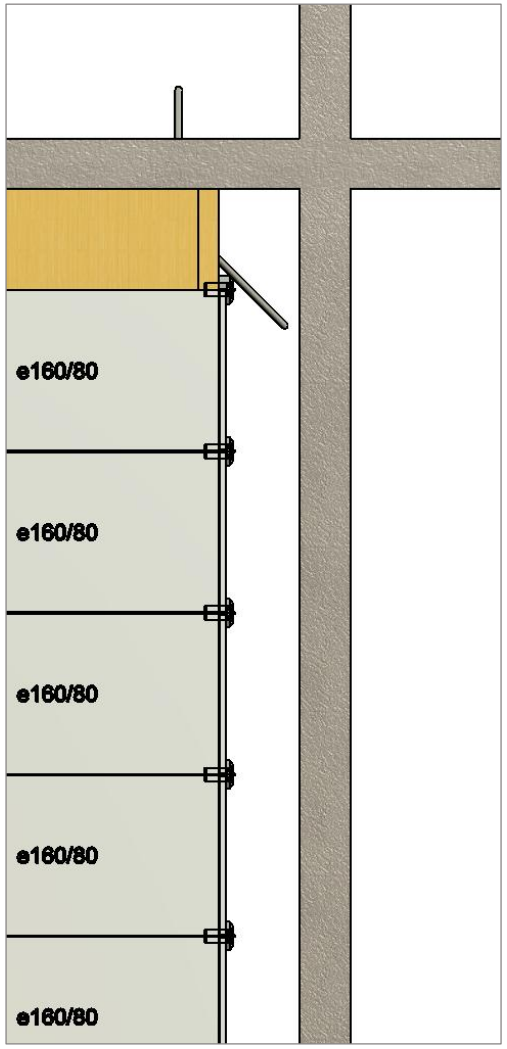


BIM²form Slab – Modular Slab Smallest Compensation

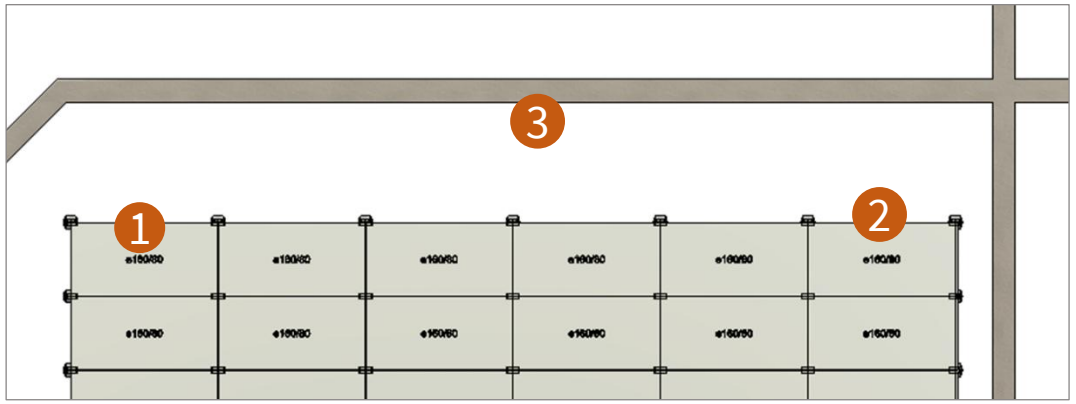


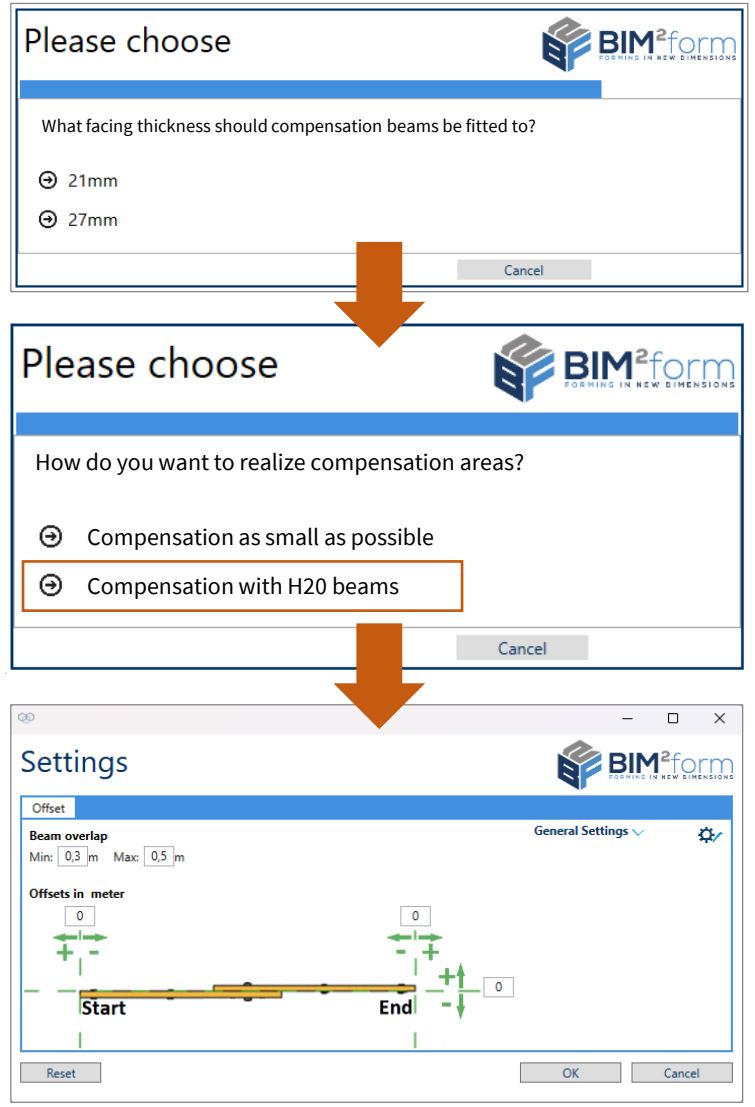


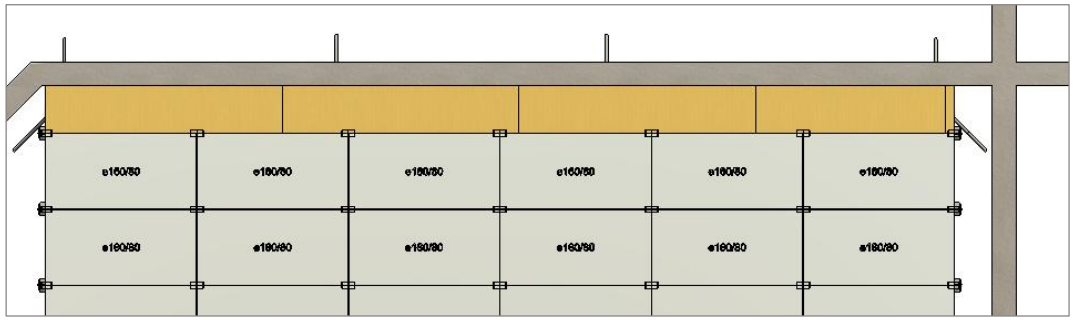




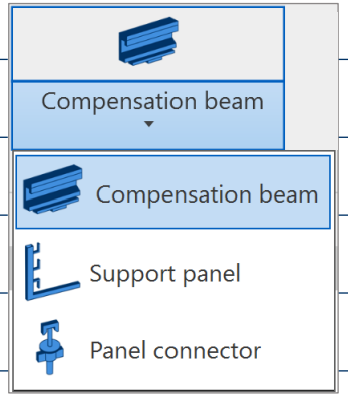
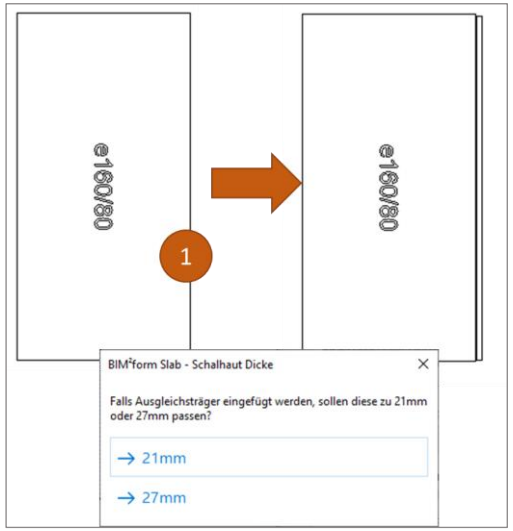
BIM²form Slab – Modular Slab Compensation with H20 Beams



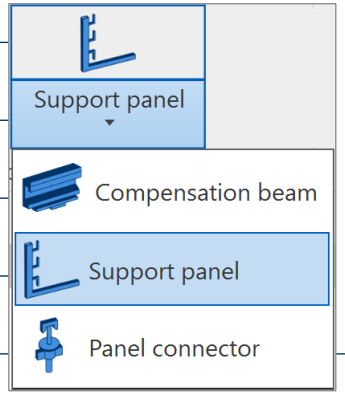
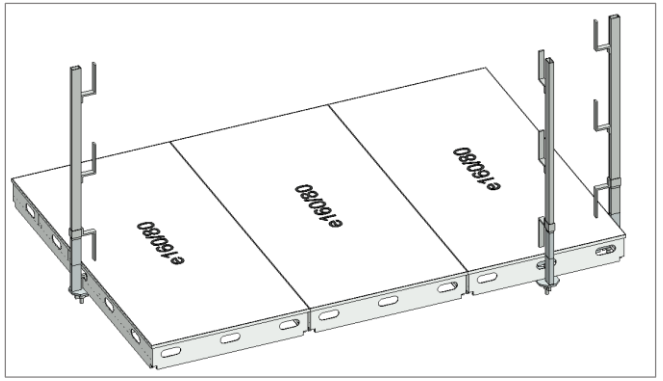




BIM²form Slab – Modular Slab Compensation Beam

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Compensation beam		
Short description:	Placing compensation beams		
Function description:	Here you can place a compensation beam with one click. It is important to select the side of the element where the compensation beam is to be placed. The software then automatically takes the side that is closest to the click. Afterwards, the same UserForm as in compensation areas opens where the formwork thickness can be selected.		

BIM²form Slab – Modular Slab Support Panel

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Support panel		
Short description:	Placing support panels		
Function description:	The guardrails can be placed in three different ways depending on the use case. These three possibilities are explained in the following slide.		

BIM²form Slab – Modular Slab Support Panel

Procedure support panel:

Select narrow side

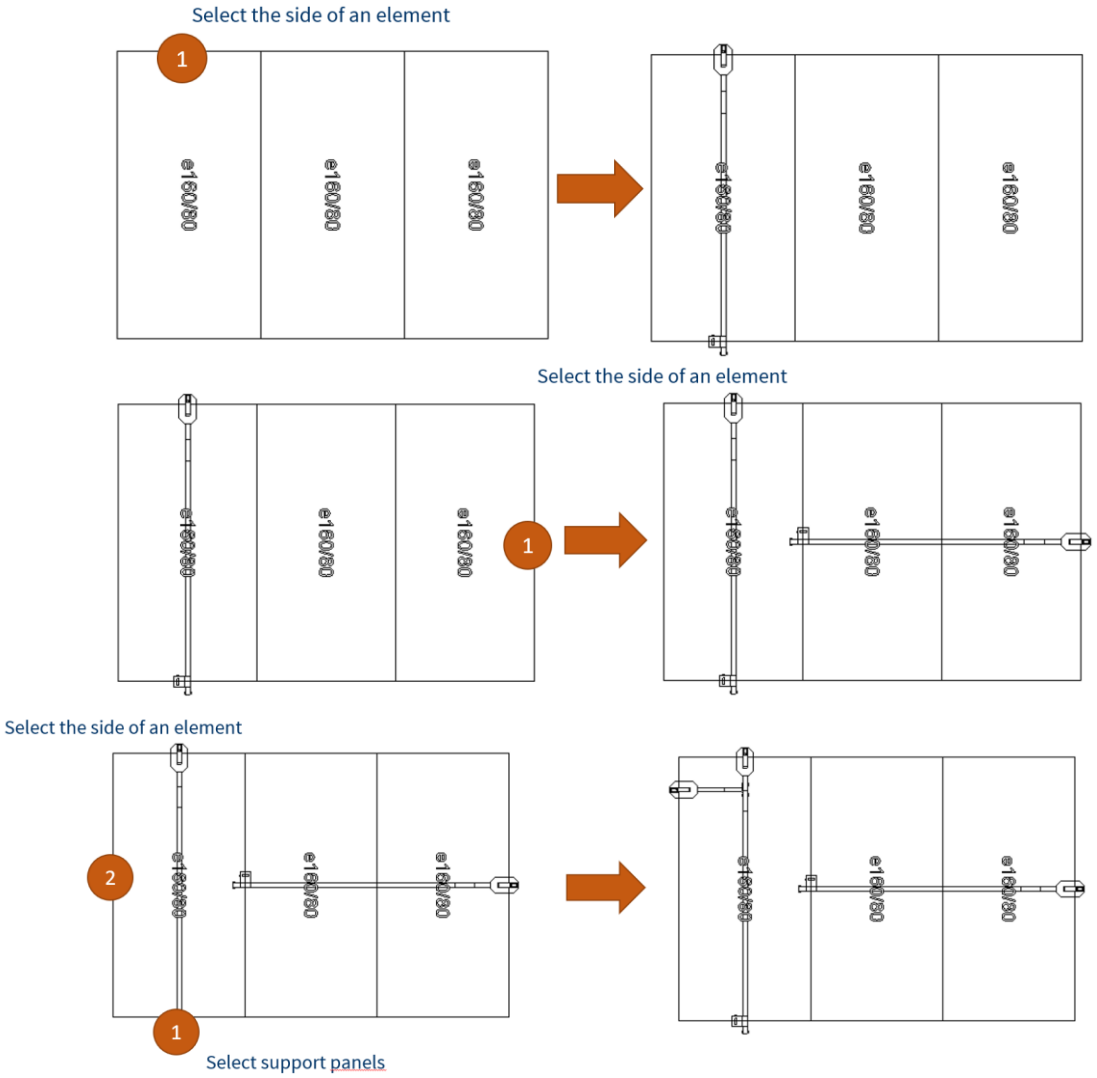
(1 click required)

Select long side

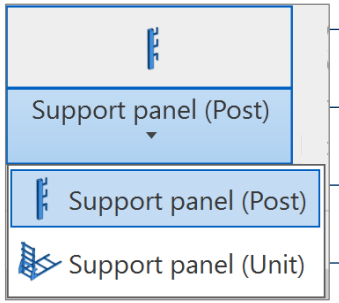
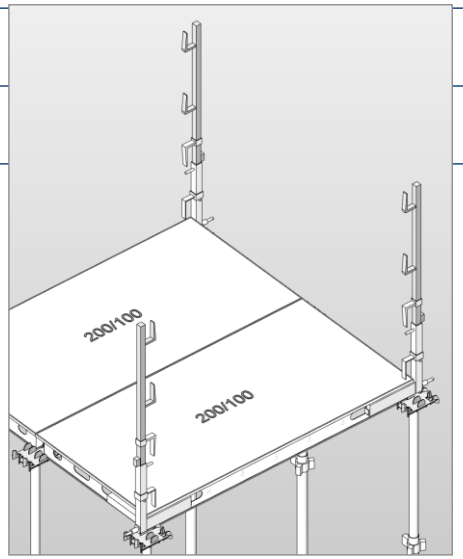
(1 click required)

Select support panel,
then side of the element

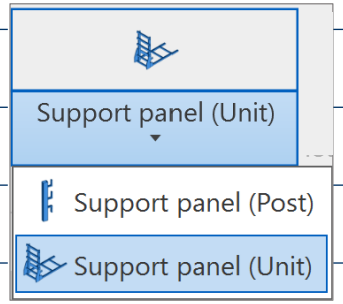
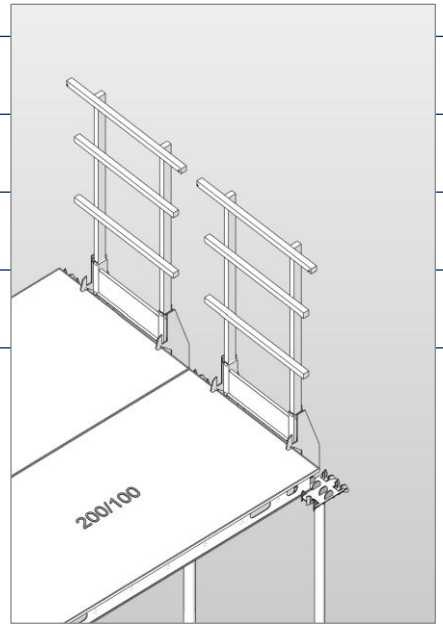
(2 clicks required)



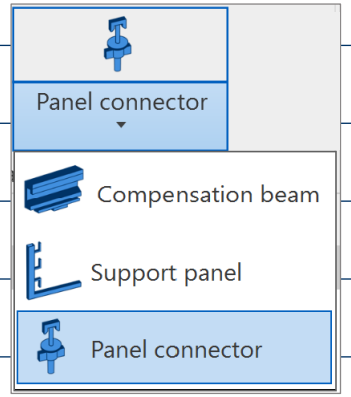
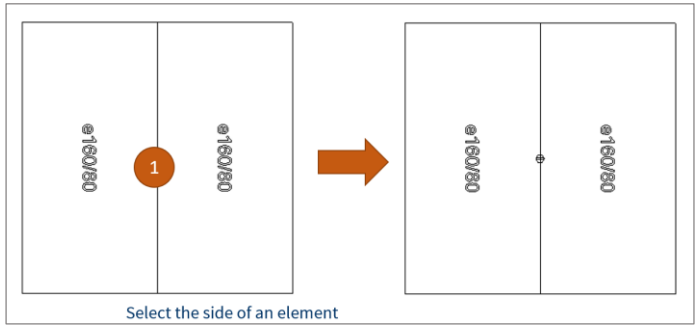
BIM²form Slab – Modular Slab Support Panel Post

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modular Slab		
Command:	Support panel (Post)		
Short description:	Placing support panels		
Function description:	These support posts can be placed on the corner of an element via one click. They can only be placed on corners which aren‘t directly connected to another element.		

BIM²form Slab – Modular Slab Support Panel Unit

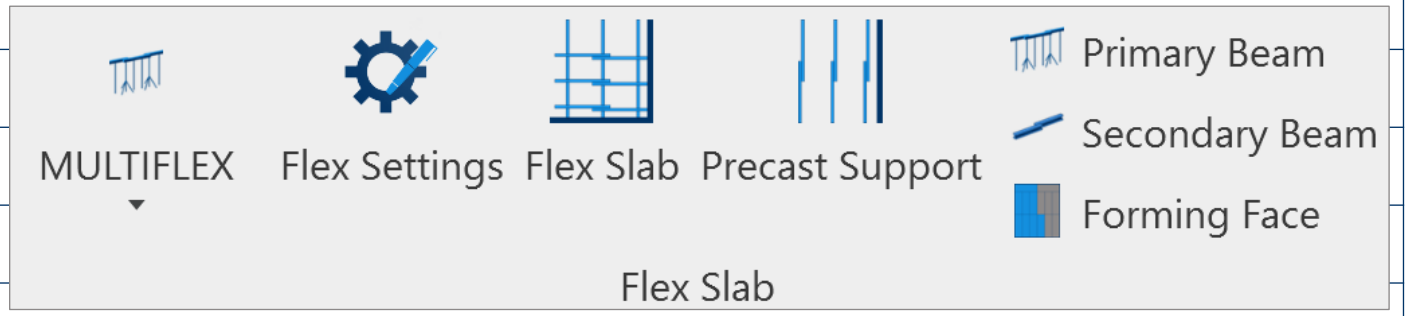
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Support panel (Unit)		
Short description:	Placing support panels		
Function description:	This **support panel** can be placed with one click on the short side of an element. It can only be placed on that side of an element.		

BIM²form Slab – Modular Slab Panel Connector

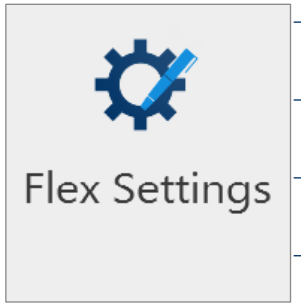
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Modul Decke		
Command:	Panel connector		
Short description:	Placing panel connectors		
Function description:	The element connector can be quickly and easily placed on any side of a slab element with one click.		

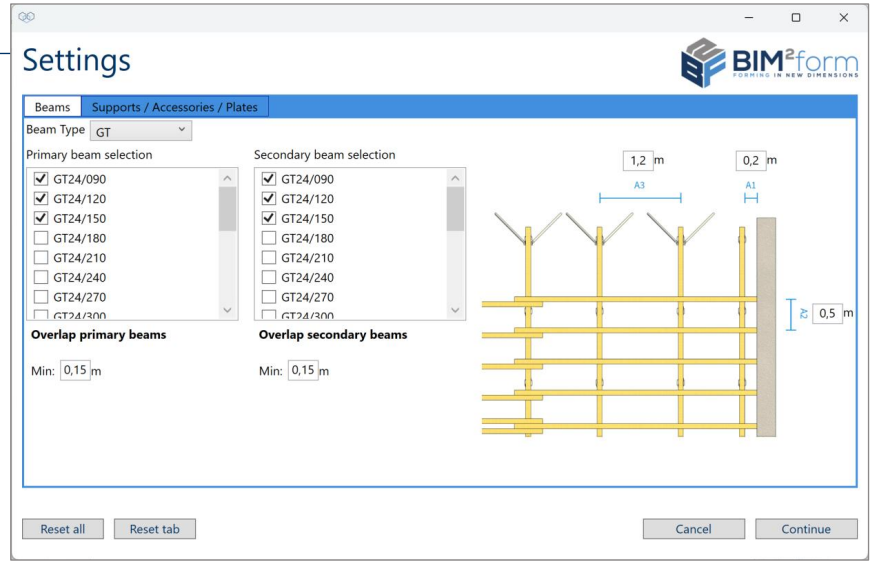
BIM²form Slab – Flex Slab

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex Slab		
Command:			
Short description:			
Function description:	Flex Slab functions for placing slab formwork in various degrees of automisation.		



BIM²form Slab – Flex Slab Settings

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex Slab		
Command:	Flex Settings		
Short description:	Settings for Flex Slab		
Function description:	Here you can choose various options, for example: • Primary and Secondary Beam Options • Supports • Propdistance • Prop Load • Plate Size • Accessories Depending on the system there are different options.		



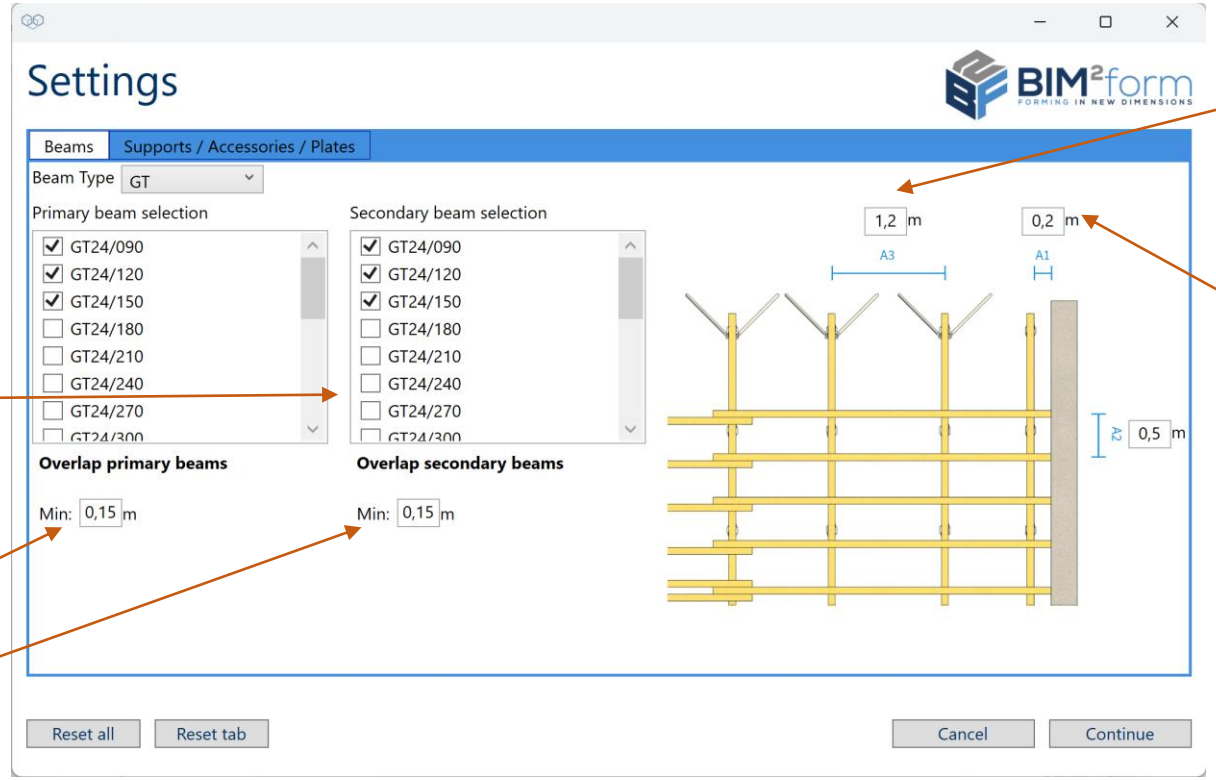
BIM²form Slab – Flex Slab Settings

Choose the primary beams to use for the formwork

Choose the secondary beams to use for the formwork

Primary beam overlap

Secondary beam overlap



Distance between the beams

Distance to the wall

BIM²form Slab – Flex Slab Settings

Prop Settings

Maximum prop distance

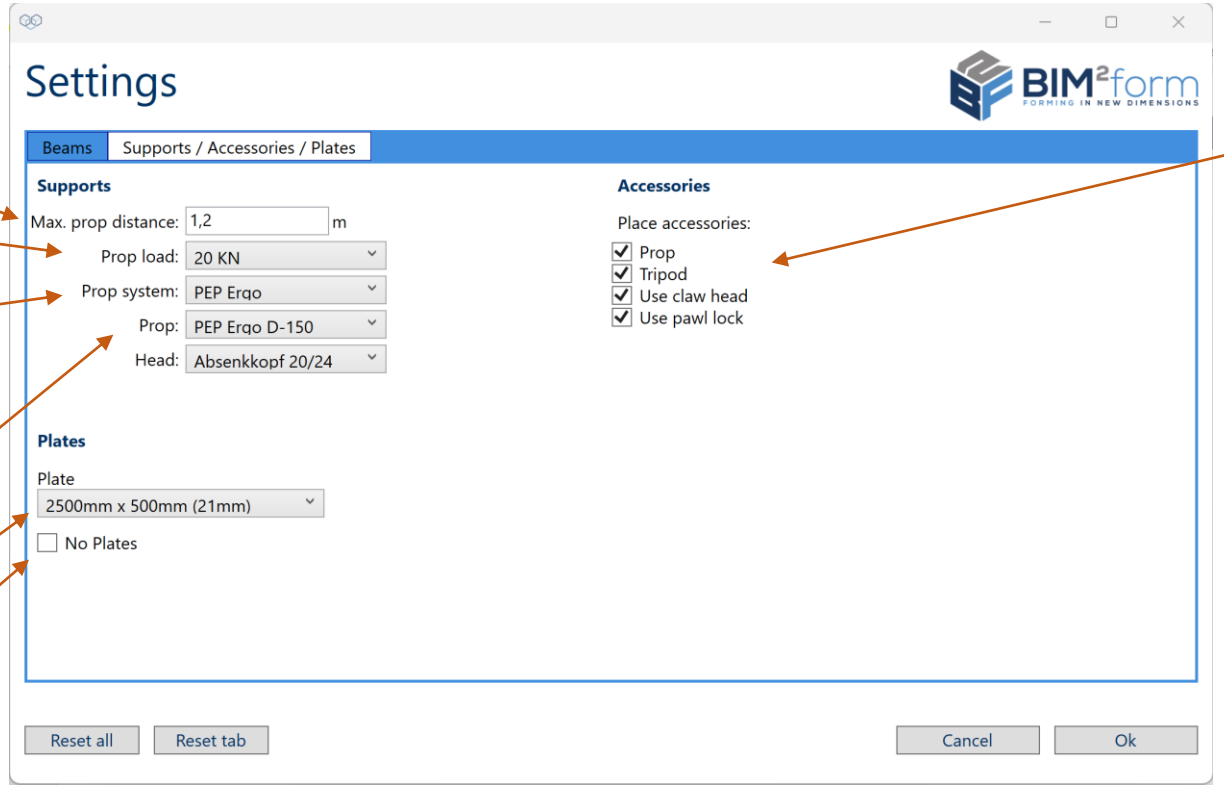
Load of the props

Range from which supports can be selected in the next section

Selection for specific props

Selection for plate sizes

Choose if plates should be placed

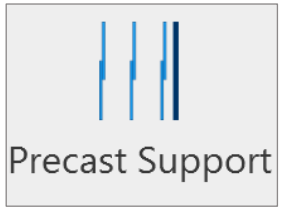
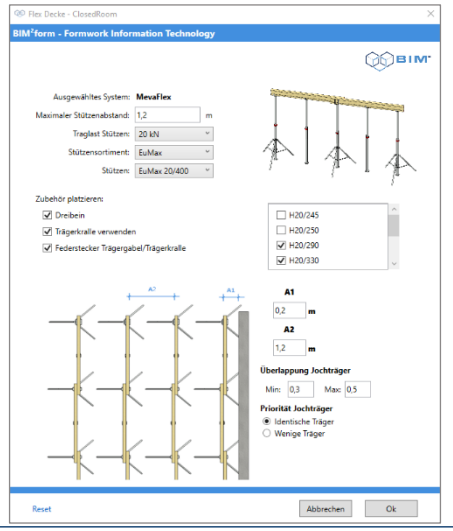


Accessories, what to place where

BIM²form Slab – Flex Slab

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex		
Command:	Flex Slab		
Short description:	Automatic placement of Flex Slab elements in a closed room		
Function description:	Automatic placement of slab formwork in closed rooms with the command →**Flex Slab**. After selecting the command, the programming automatically jumps to a suitable North, South, East, West or section view. Here you select two levels (levels, reference levels or ceilings) for the height. You can then choose between room selection or selection of a room using edges. The exact sequence of functions is described in the following slides.		

BIM²form Slab – Flex Slab Precast Support

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex Slab		
Command:	Precast Support		
Short description:	Automatic placement of props and primary beams in a closed room		
Function description:	Automatic placement of props and primary beams in a closed room with the command →**Precast Support**. The exact sequence of functions is described in the following slides.		

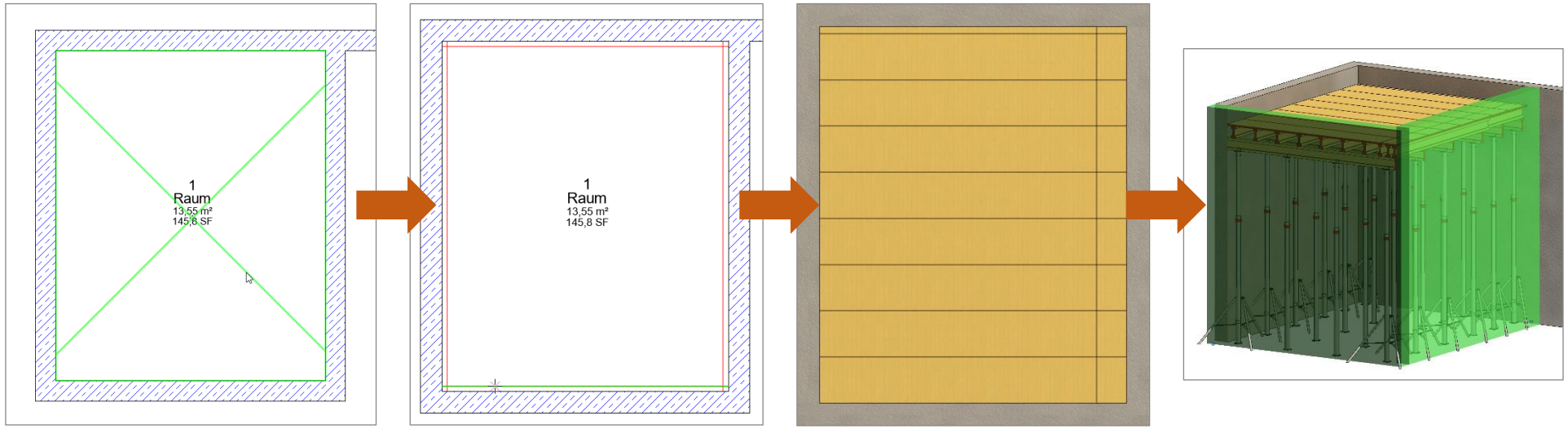
BIM²form Slab – Flex Slab Room Selection

Procedure Flex Slab and Precast Support:

The room must be previously defined via the Revit command →**Room** in the Architecture tab.

After selecting the levels and the room option, you automatically land in the selected floor plan and can select the previously defined room in the floor plan or ceiling plan. A wall side must then be selected on which the yoke beams of the formwork are to be aligned.

The room is then automatically filled with Flex formwork. All beams and formwork facing panels are placed as a group.



BIM²form Slab – Flex Slab Edge Selection

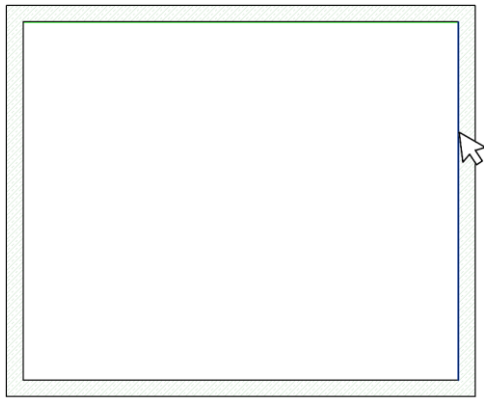
Procedure Flex slab and precast support - edge selection: :

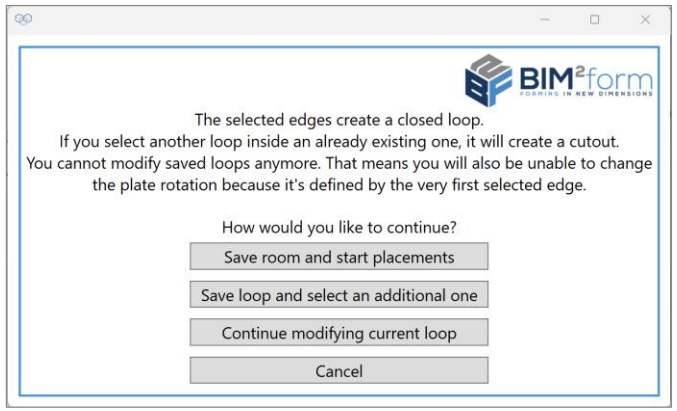
This command can be used to select rooms that are not defined as rooms in Revit, e.g. four adjoining walls.

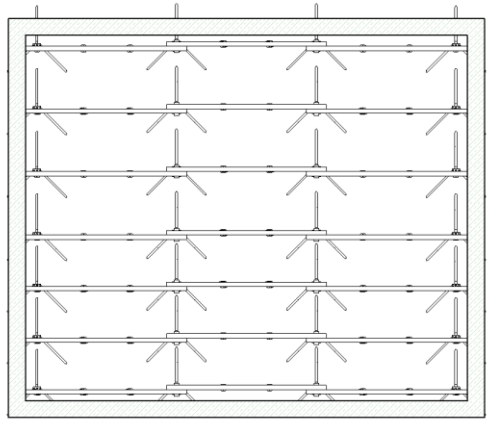
After selecting the levels, the edges option and the desired floor plan for the lower selected level, you will automatically end up in the selected floor plan. There you can select edges by clicking on them. However, you can only select edges that connect to each other without a gap; you may need to select another small edge in between.

The first selected edge can be freely chosen and determines the direction of the formwork's primary beams. It is coloured green after clicking, the remaining edges are marked red. The edges must form a closed space at the end, regardless of how many edges you want to select in total. If an edge is clicked a second time, it will be deselected.

After selecting an outer ring of edges, you can either save and use the room as it is or select another ring of edges if, for example, a lift shaft is to be omitted.

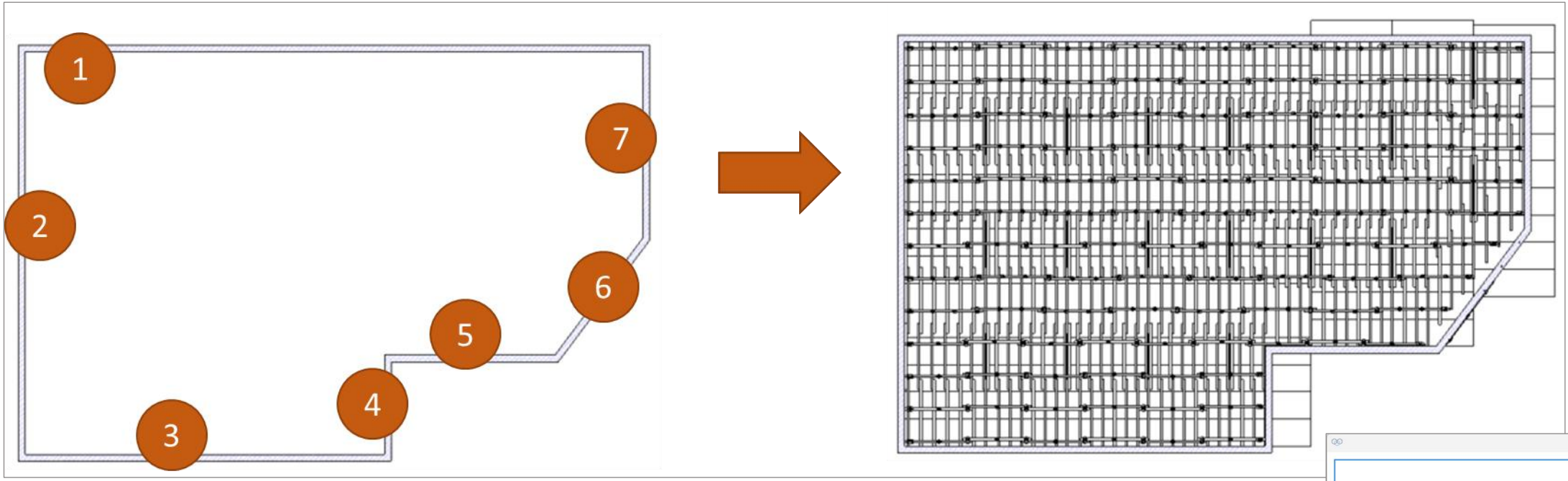


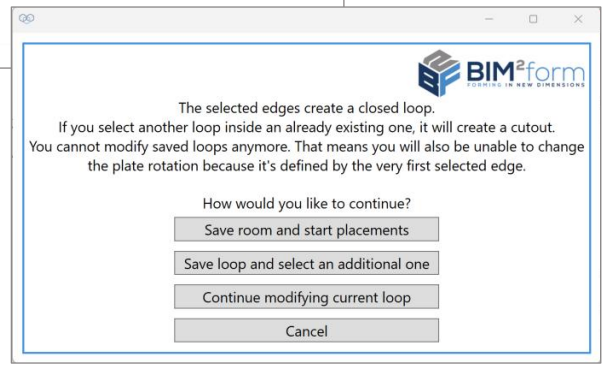




BIM²form Slab – Flex Slab Edge Selection

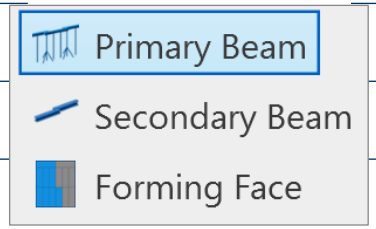
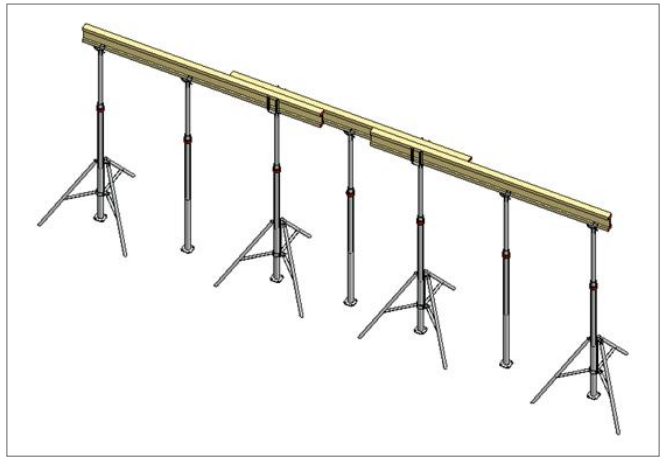
Select all the room's walls.





As soon as the selected edges form a connected space, this selection opens (note: take narrow edges into account).

BIM²form Slab – Flex Primary Beam

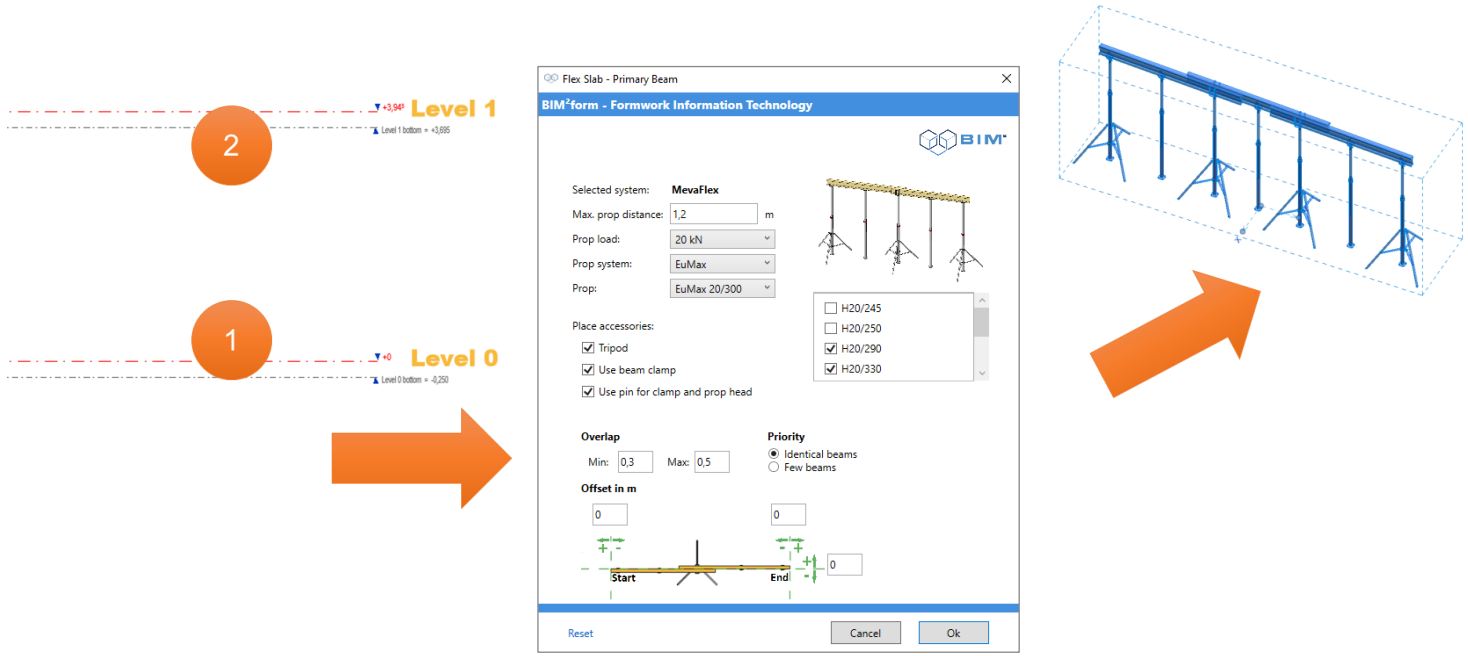
Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex		
Command:	Primary beam		
Short description:	Placing primary beams, secondary beams and accessories		
Function description:	To use the yoke beam row, you must switch to the views for the height: North, South, East, West or a section. Here you select either two levels, reference levels or ceilings for the height. Then you automatically switch to the selected floor plan, the User Form now opens automatically to adjust your settings. After confirming, select the start and end point. The yoke beam row is then inserted as a group. This can be applied in the same way to the MEVA VarioMax system.		

BIM²form Slab – Flex Primary Beam

Procedure primary beam row:

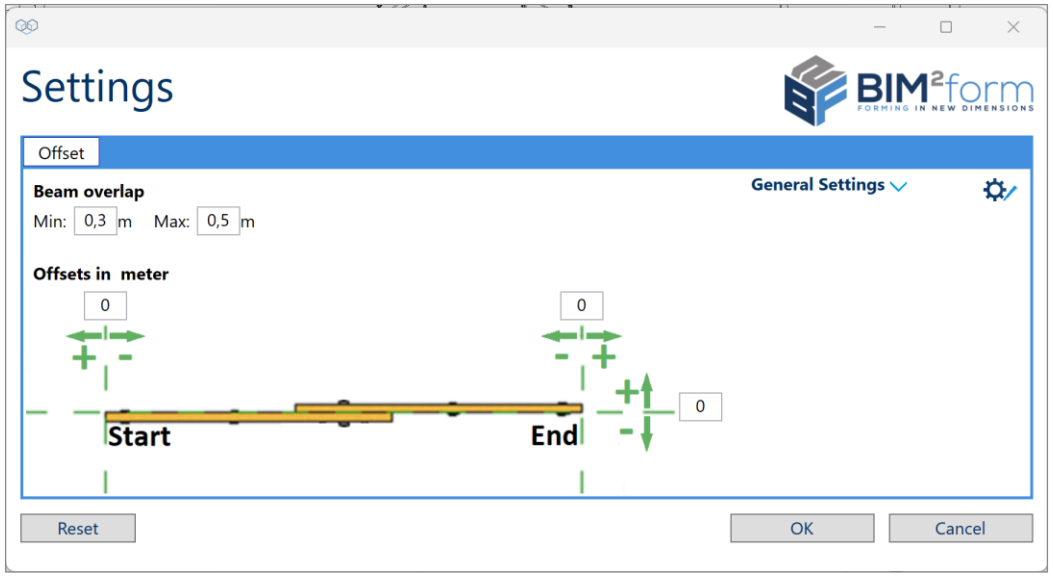
Select the desired height in the view/section (level, reference level, slab).

Now you can make all the desired settings in the UserForm, such as activating the desired beam lengths and selecting supports. Then confirm the User Form with OK and select the start and end point in the floor plan. The primary beam row is inserted as desired and joined together as a group. This allows a simple copying of the whole primary beam row .



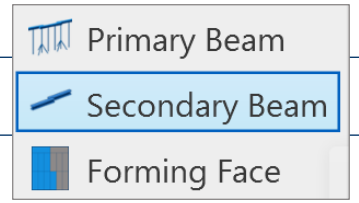
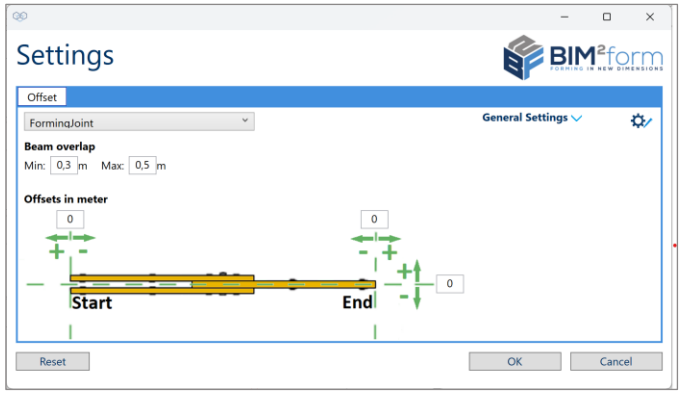
BIM²form Slab – Flex Primary Beam

User Form:

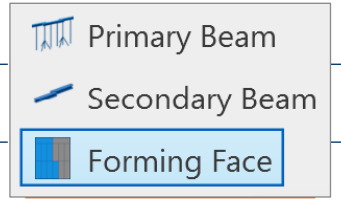
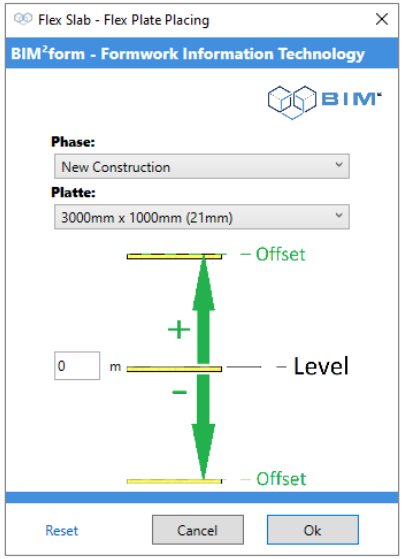




BIM²form Slab – Flex Secondary Beam

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex		
Command:	Secondary beam		
Short description:	Placing secondary beam row		
Function description:	After selecting the command →**Secondary Beam**, a User Form opens in which you can activate or deactivate the preferred beam lengths, set the overlap, offset, and priority. You can also differentiate between a normal row of cross beams or a row of cross beams at the formwork skin joint. After confirming with OK, you can select the start and end points in the floor plan and the desired row of cross beams is inserted as a group.		

BIM²form Slab – Flex Slab Forming Face

Name	Description	Icon	Illustration
Modul:	BIM²form Slab		
Modul Group:	Flex Slab		
Command:	Forming Face		
Short description:	Placing Facing		
Function description:	After selecting the command →**Forming Face**, the programming automatically jumps to a suitable view North, South, East, West or a section. Here you select a level for the height. After automatically switching to the floor plan, the desired area can be defined via three corner points. Then the User Form opens where the facing panels and the offset to the selected level can be set. The formwork panels are inserted as a group.		

Agenda

Introduction

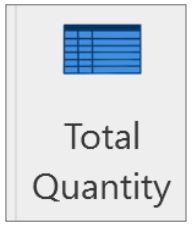
Operating Instructions

Wall

Slab

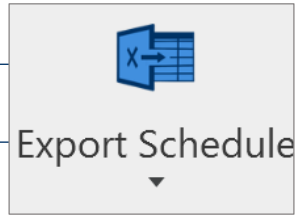
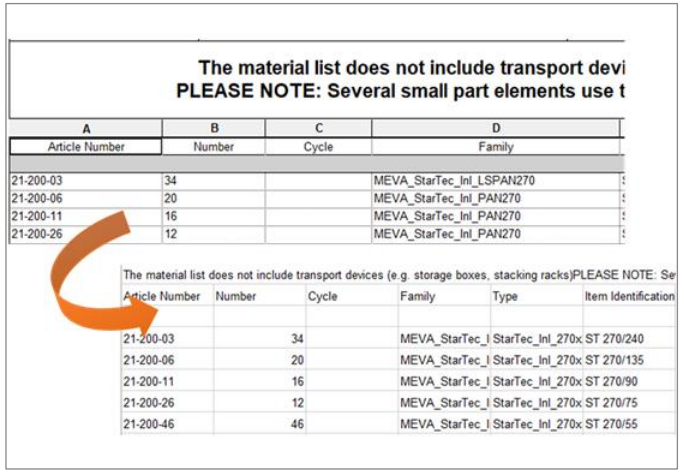
Manage

BIM²form Manage – Export Total Quantity

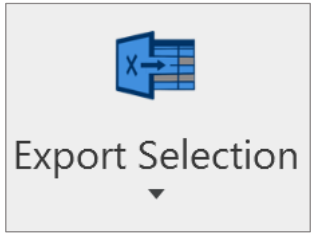
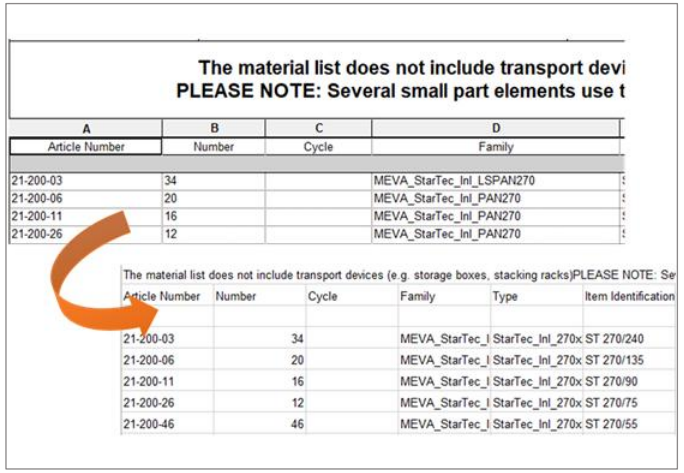
Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Export		
Command:	Total Quantity		
Short description:	Export of total quantity to Excel		
Function description:	The total quantity exports all formwork components of each pour to Excel and lists them in Excel. There is a column called “New Construction" that determines the maximum of each item across all cycles. You do not have to be in a part list for this but can start the function in any view.		

Item number	Description	New Construction	Cycle 1	Cycle 2	Cycle 3
21-200-03	ST 270/240	8	6	6	4
21-200-06	ST 270/135	6	4	4	4
21-200-11	ST 270/90	6	2	2	6
21-200-26	ST 270/75	6	2	2	
21-200-46	ST 270/55	10	10	10	8
21-200-49	ST 270/50	6			6
21-200-52	ST 270/49	4	2		
21-200-56	ST 270/45	2		2	

BIM²form Manage – Export Export Schedule

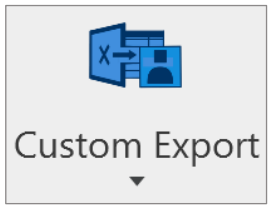
Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Export		
Command:	Export Schedule		
Short description:	Export Schedule to Excel		
Function description:	Use this command to export any component list from Revit directly to Excel. You only need to be in the desired component list view (active view) and then invoke the command.		

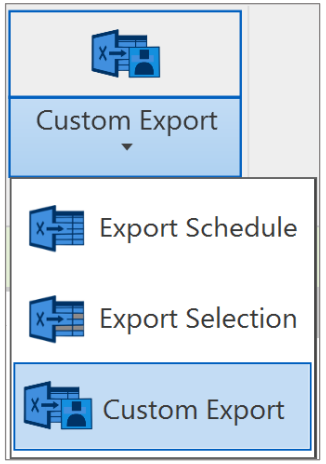
BIM²form Manage – Export Export Selection

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Export		
Command:	Export selection		
Short description:	Export selection to Excel		
Function description:	Use this command to export any component list from Revit directly to Excel. All you have to do is to go to the desired component list view (active view) and then use the command.		

BIM²form Manage – Export Custom Export

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Export		
Command:	Custom Export		
Short Description:	Export with personal adjustments		
Function Description:	You can use this command to export a list using your personal price list and including your column names. Either a price list or a template must be available for this. If there is no price list, only the item number (Art.No.) and quantity columns are filled. You can define the arrangement of the columns and a user-defined column. The names of the columns must match those in your price list. If a name does not appear in the list, the corresponding fields for this item remain empty.		



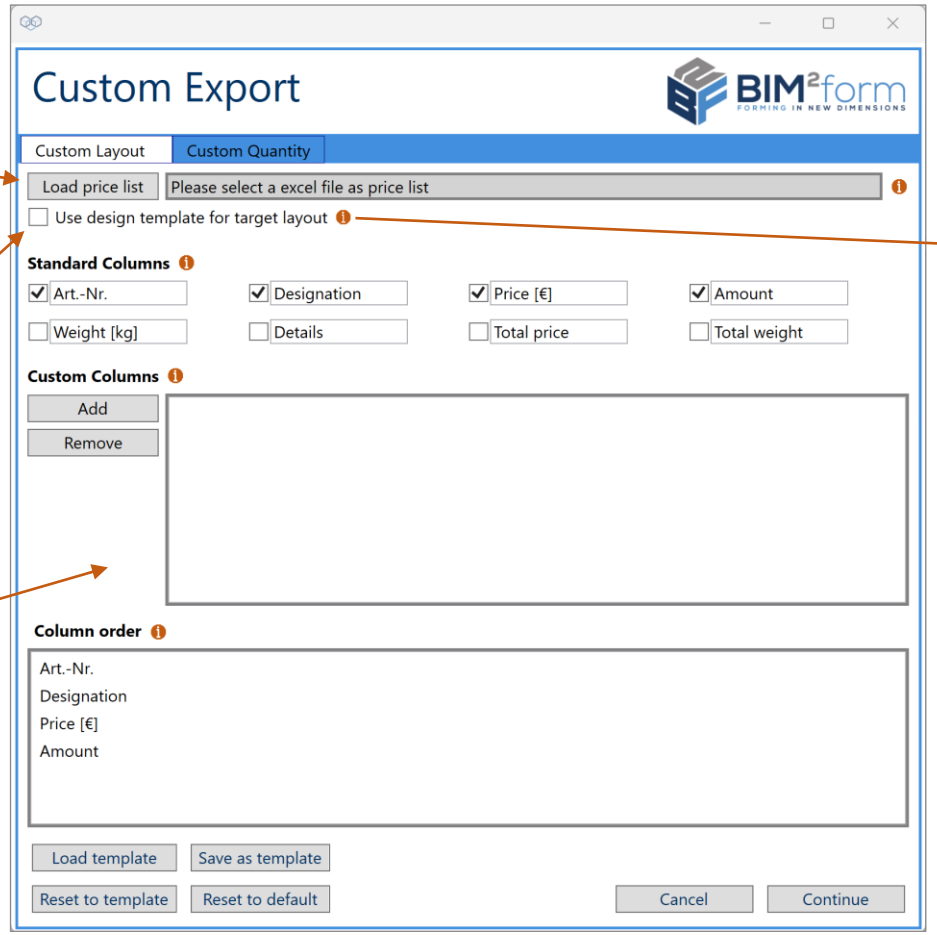


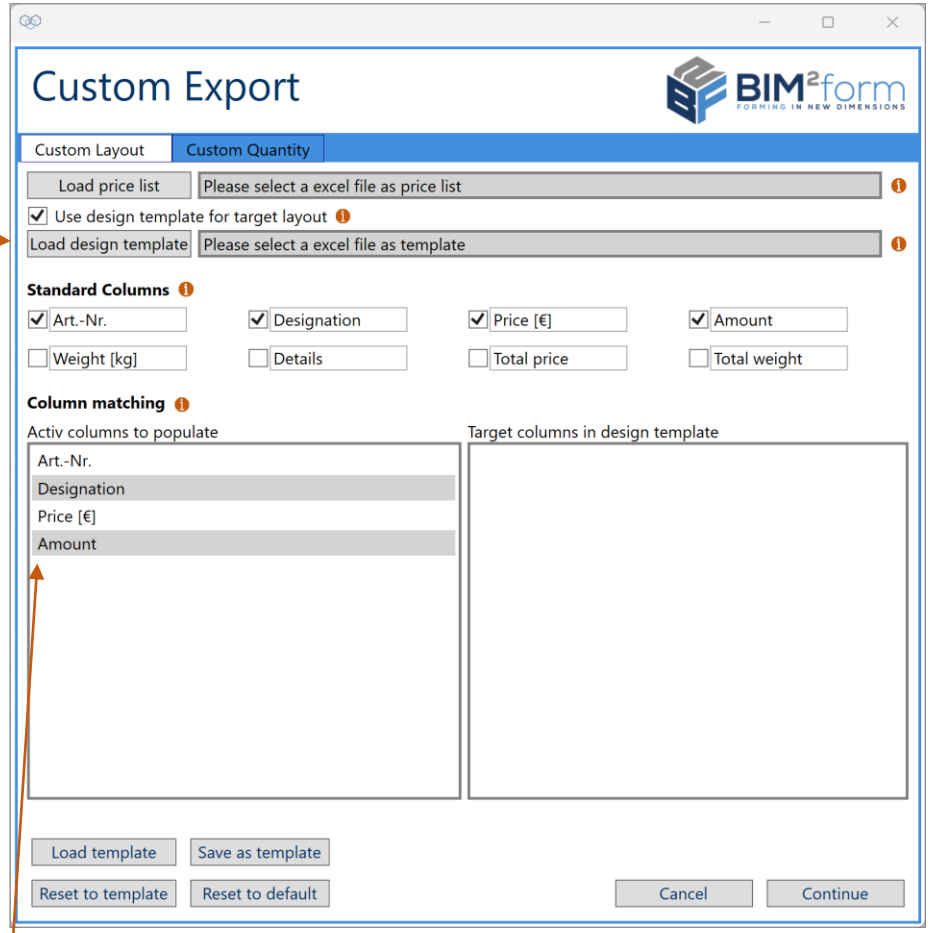
BIM²form Manage – Export Customised Export

Select and load your own price list

Select and load your own template (the loading option only appears if this option is selected)

Column names, as they are read from the template or the price list, can be edited here



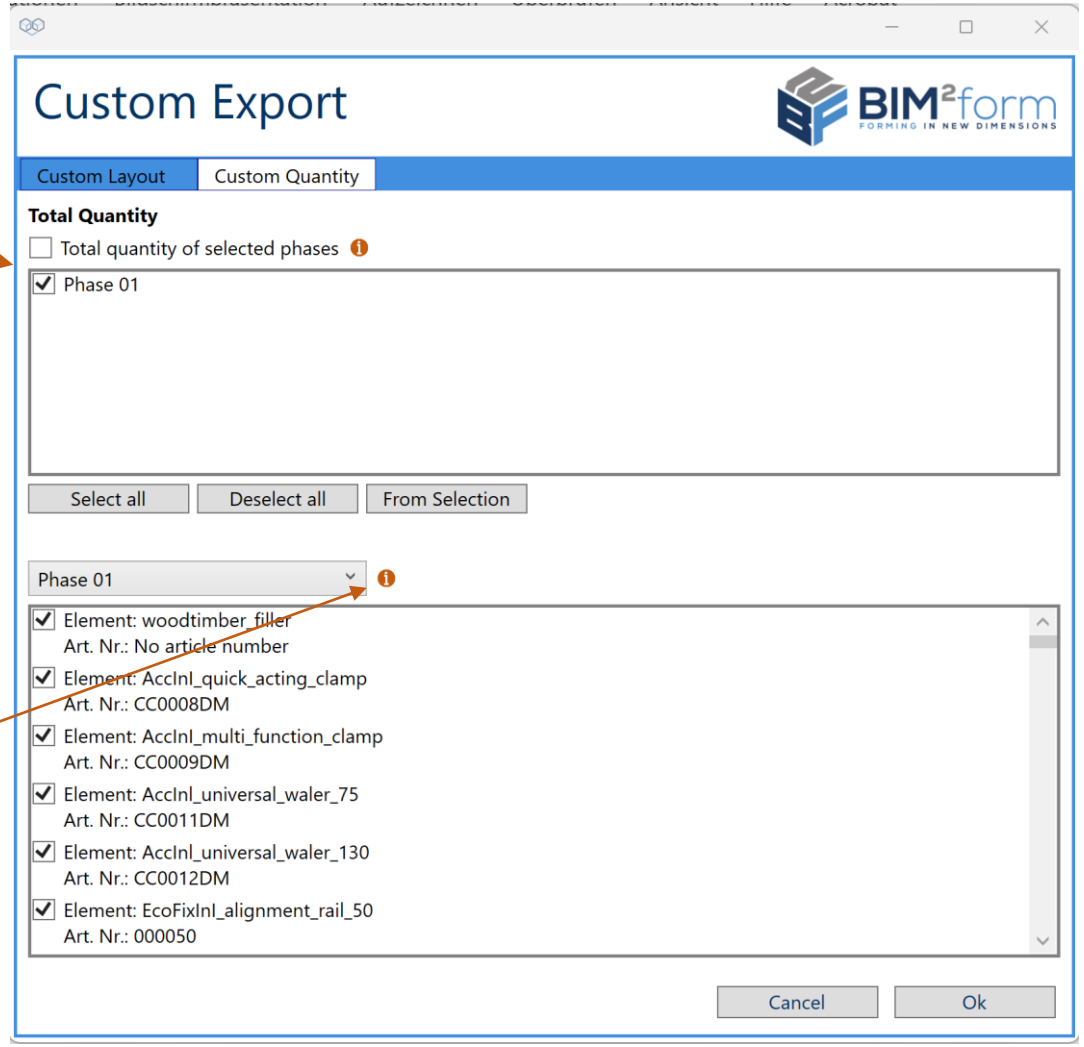


Selecting and sorting the columns

BIM²form Manage – Export Customised Export

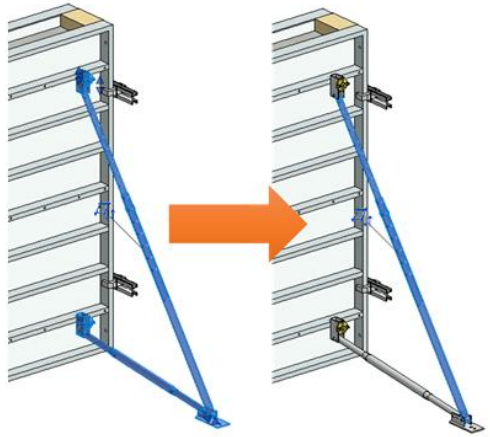
If Total Quantity is ticked, export takes place according to these rules, otherwise according to the selected phases and elements

Additional explanations appear when the mouse pointer is hovered over the info button for a longer period of time



BIM²form Manage – Families Dissolve Nested Families

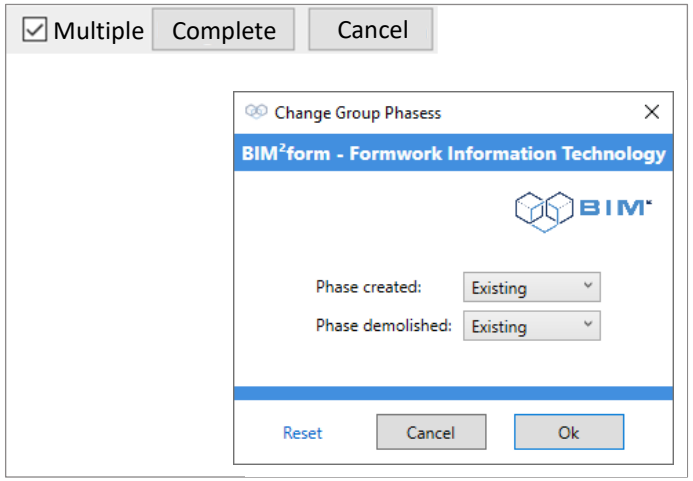
Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Families		
Command:	Dissolve Nested Families		
Short description:	Dissolve nested families into single families		
Function description:	Nested families are used to cover about 80% of the standard cases. However, in order not to model the family in a complex way, we have provided a command for this purpose, which makes it possible for the remaining 20% special cases to break down exactly this nested family into its individual families and save it as a group. Select one or more nested families and then use the command: Dissolve nested families.		



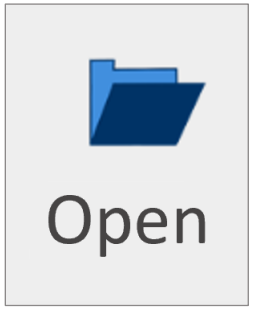
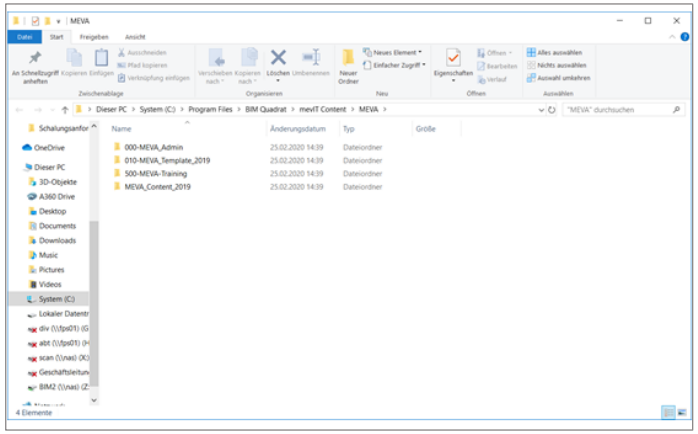
BIM²form Manage – Families Change Group Phases

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Families		
Command:	Change Group Phases		
Short description:	Change phases of families within a group		
Function description:	This command allows you to change all families within a group to phase created and phase cancelled. The command applies not only to the group at the top level but also to all the groups and families nested in it within the large group. All phases of the project are displayed as a drop-down list in the User Form. Multiple selection of groups is also possible. The selection can be completed via the options bar with →**Complete**.		

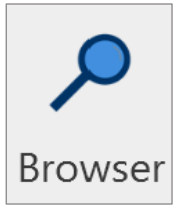
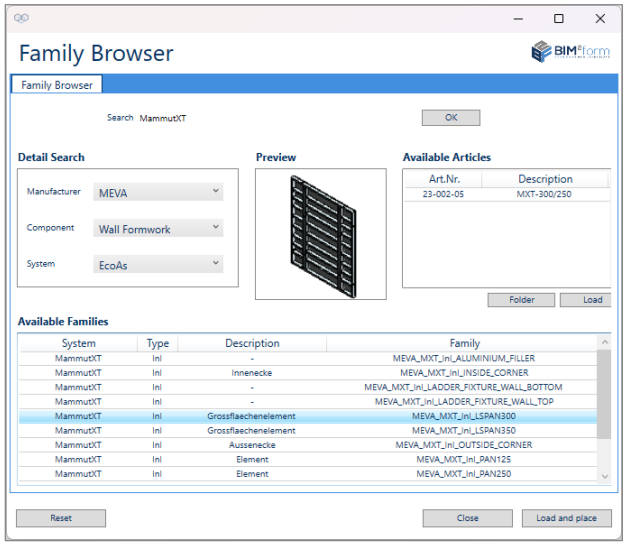




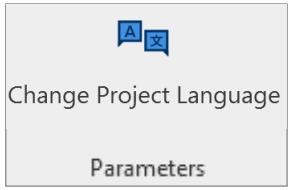
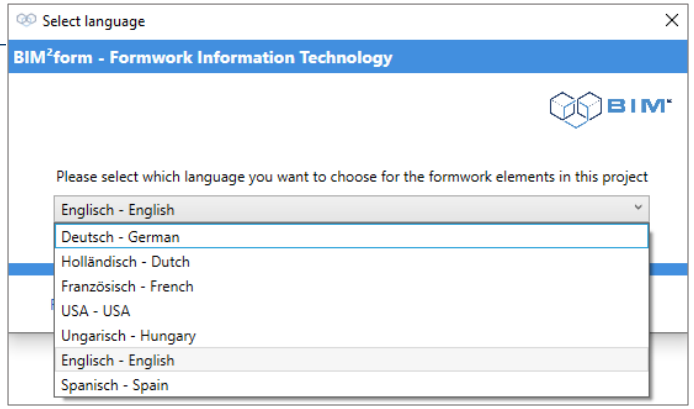
BIM²form Manage – Content

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Content		
Command:	Open		
Short description:	Opens Windows Explorer for BIM²form Content		
			
Function description:	You can use this command to open Windows Explorer directly for the BIM²form content and drag and drop the current families into the project for manual editing. The content is continuously revised and is always available in the latest version.		

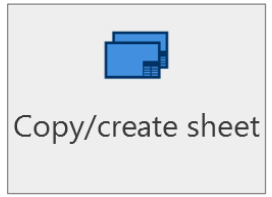
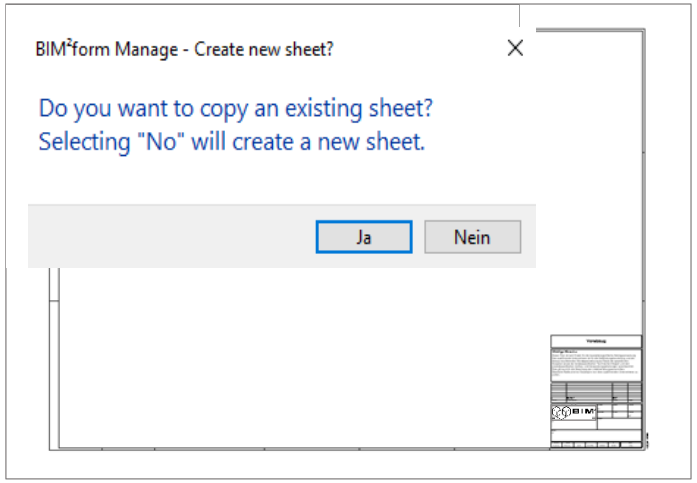
BIM²form Manage – Project Cleanup Family Browser

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Project Cleanup		
Command:	Browser		
Short description:	Family browser for searching and loading		
Function description:	Family browser for easily searching and loading families. It is possible to search for both article numbers and text. The search results are displayed regardless of the filter settings. Detailed Search can be used to filter categorically via the drop-downs. After selecting the family and clicking on 'Load & Place', it is attached to the cursor and can be placed in the project. This makes it even easier to find the required families and simply load them into the project.		

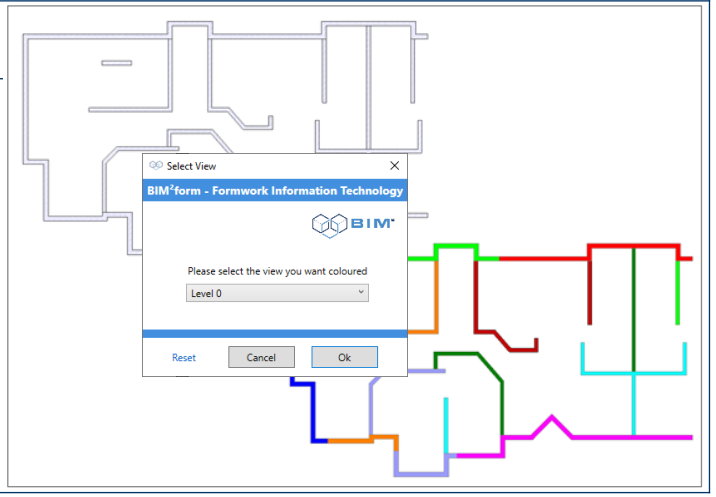
BIM²form Manage – Parameters Change Project Language

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Parameters		
Command:	Change Project Language		
Short description:	Change project language of families		
Function description:	Here, all MEVA families are assigned a new parameter:MEVA Item Language which is created as a copy parameter and filled with the selected language (item description). With the corresponding labelling family, this description can then be used for labelling for plans.		

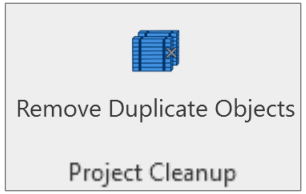
BIM²form Manage – Plans Copy / Create Sheet

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Plans		
Command:	Copy / create sheet		
Short description:	Copies plan frame and plan header		
Function description:	After selecting the command, you will be asked whether you want to copy an existing sheet. With →**Yes** you can select a current plan, with →**No** you can create a new plan. If →**Yes**, the plan frame and the plan header are copied. Information that is already filled in in the plan header is also copied. If →**No** is selected, you can simply select the desired plan frame and plan header via drop-down lists and a new plan is created.		

BIM²form Manage – Visuals Colour Phases

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Visuals		
Command:	Colour Phases 		
Short description:	Creates a floor plan as a cycle overview.		
			
Function description:	Create a cycle overview by colouring the phases in different colours with this command. To do this, select a desired floor plan in which the components are to be coloured according to phases.		

BIM²form Manage – Project Cleanup Remove Duplicate Objects

Name	Description	Icon	Illustration
Modul:	BIM²form Manage		
Modul Group:	Project Cleanup		
Command:	Remove Duplicate Objects		
Short description:	Deletes all duplicate formwork families		
Function description:	Deletes all objects that are in the same place more than once.		



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BIM²

Refine. Reinvent. Rethink.

Construction together.