

CS Installer

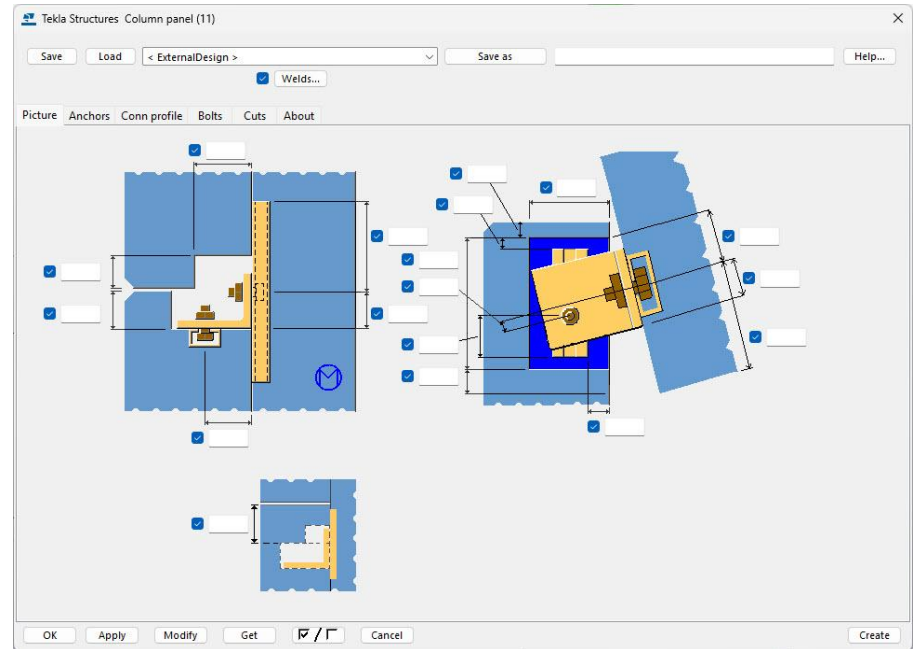
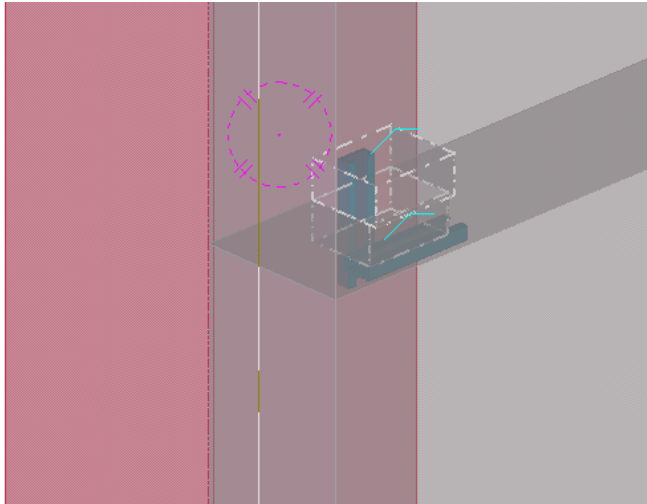
Tools 2025

construsoft

Concrete

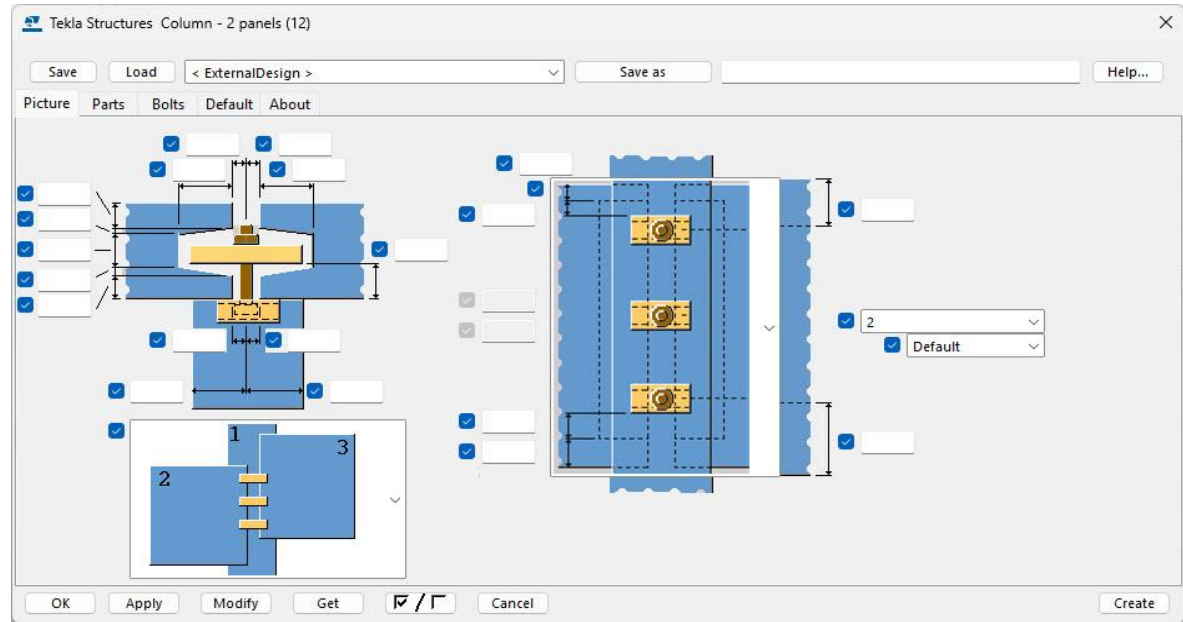
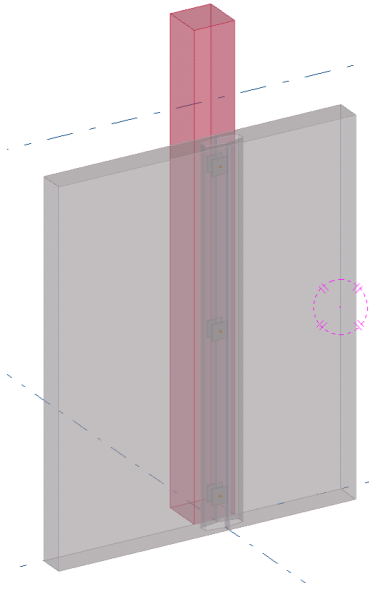
Column panel (11)

- Create a connection between a column and 2 panels above each other.



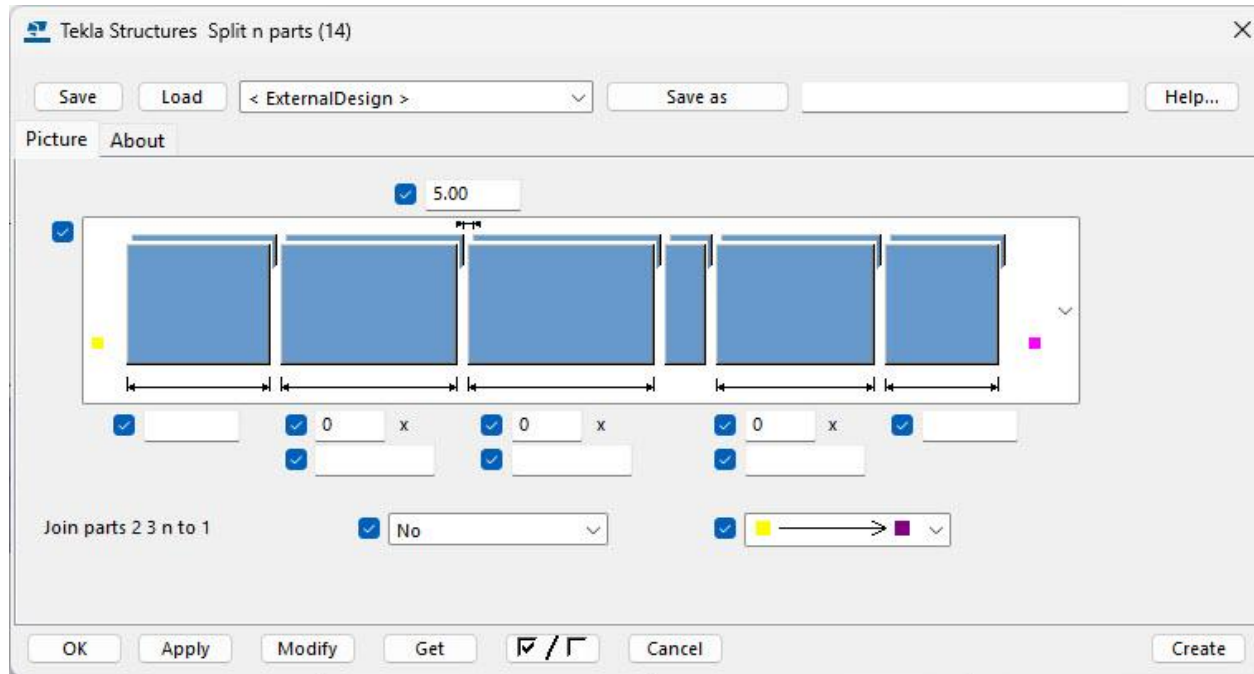
Column – 2 panels (12)

- Create a connection between a columns and 2 panels.



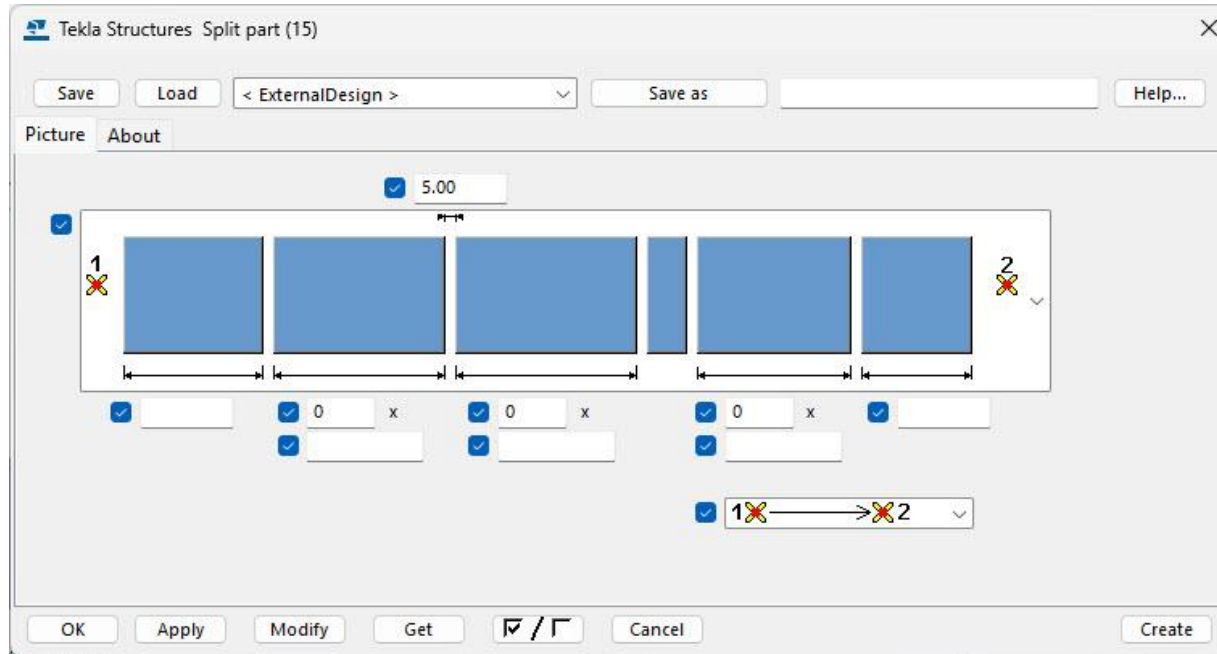
Split n parts (14)

- This component can replace an existing wall element for multiple new walls. There is no component created.



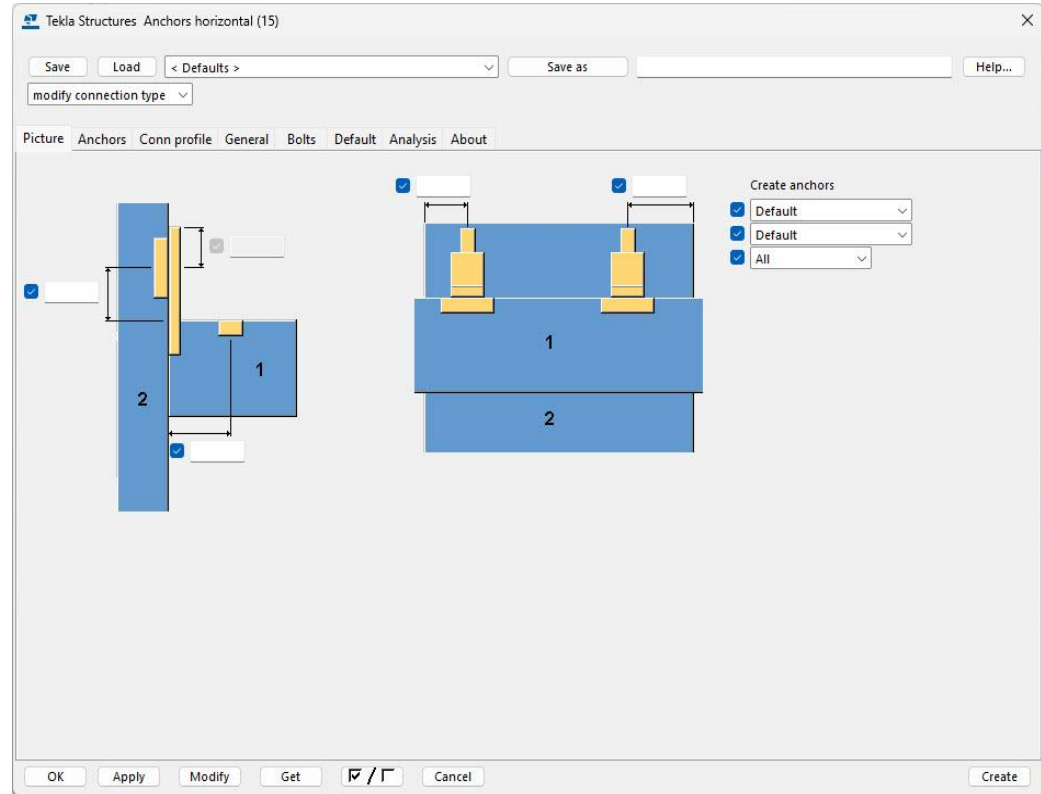
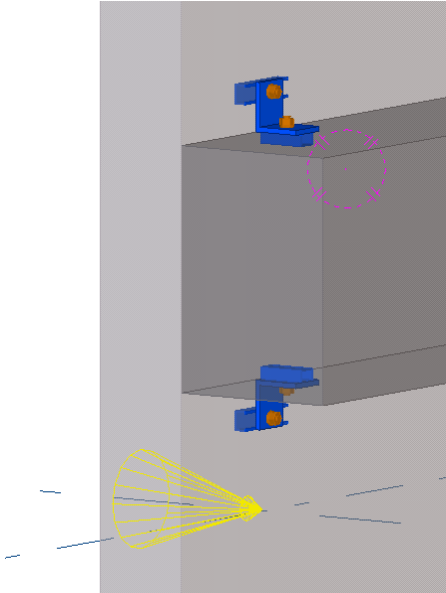
Split part (15)

- This component can replace an existing wall element for multiple new walls. Select part and two points. There is no component created.



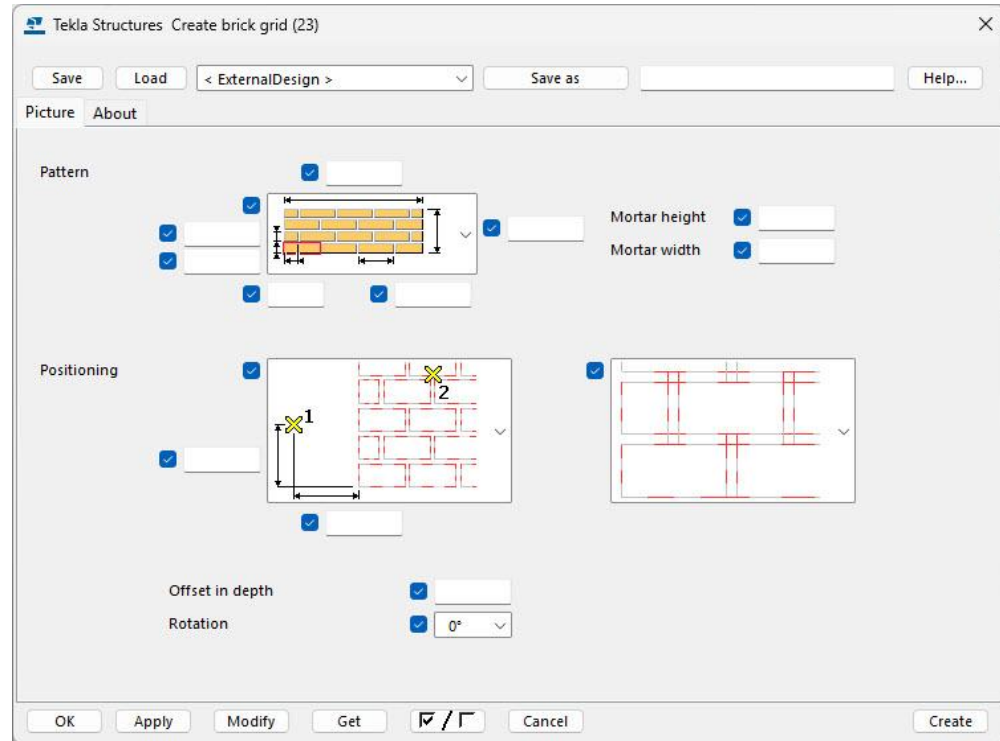
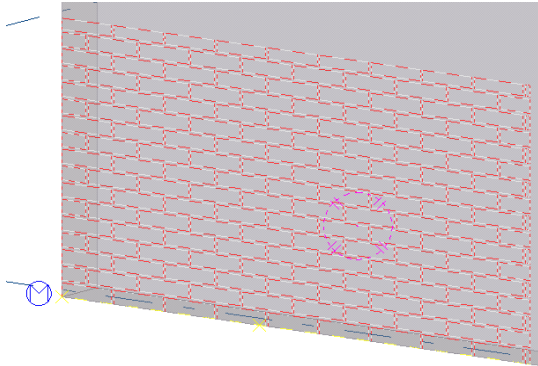
Anchors horizontal (15)

- Create anchors between a panel and beam/floor.



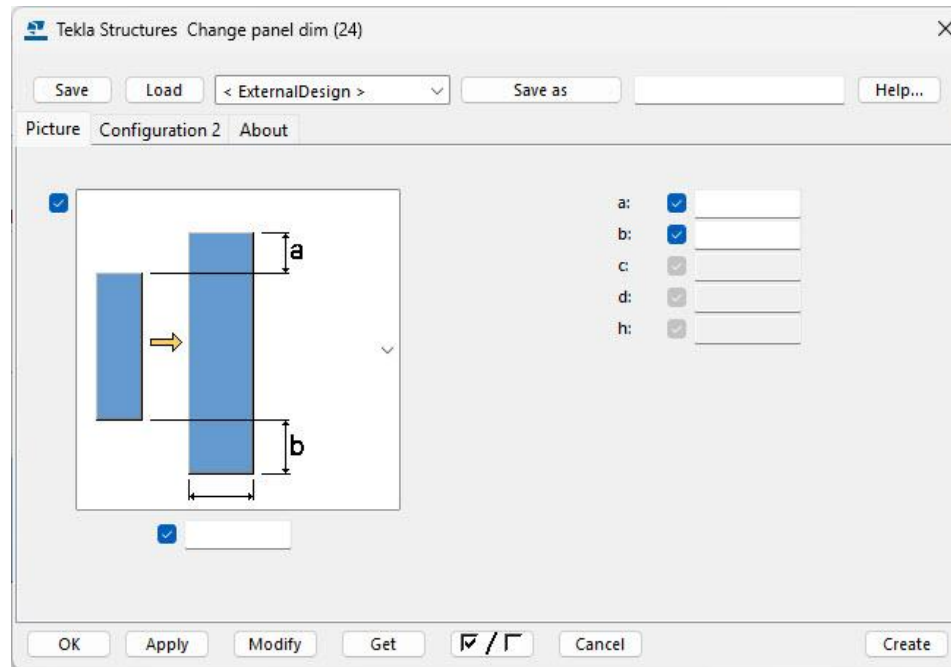
Create brick grid (23)

- Creates a brick structure on an object.



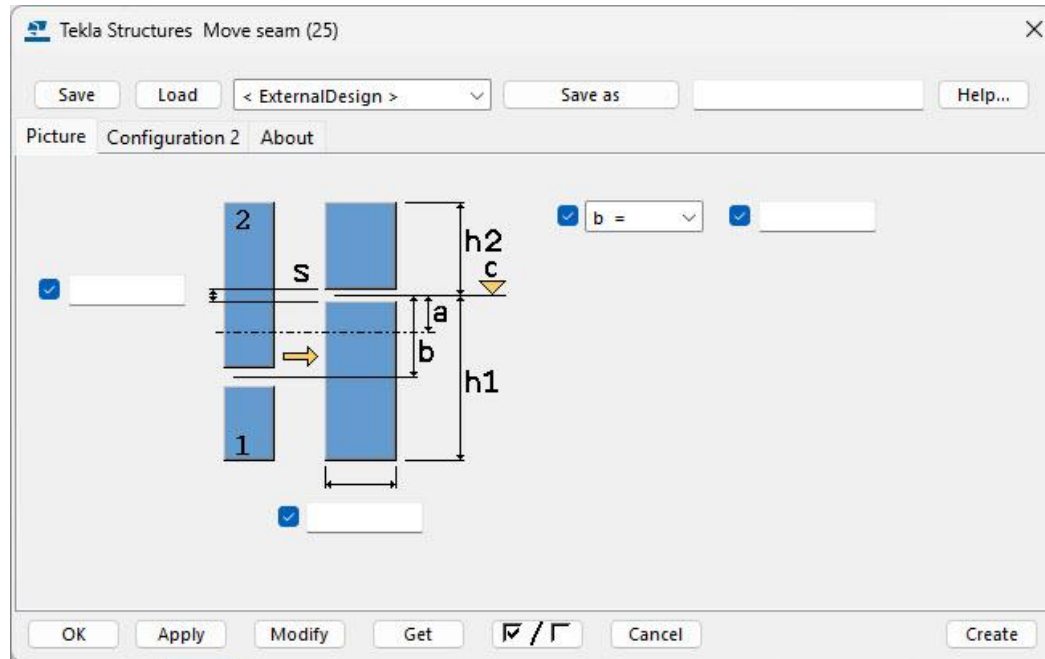
Change panel dim (24)

- This component can replace an existing wall element for a new wall element with different dimensions.



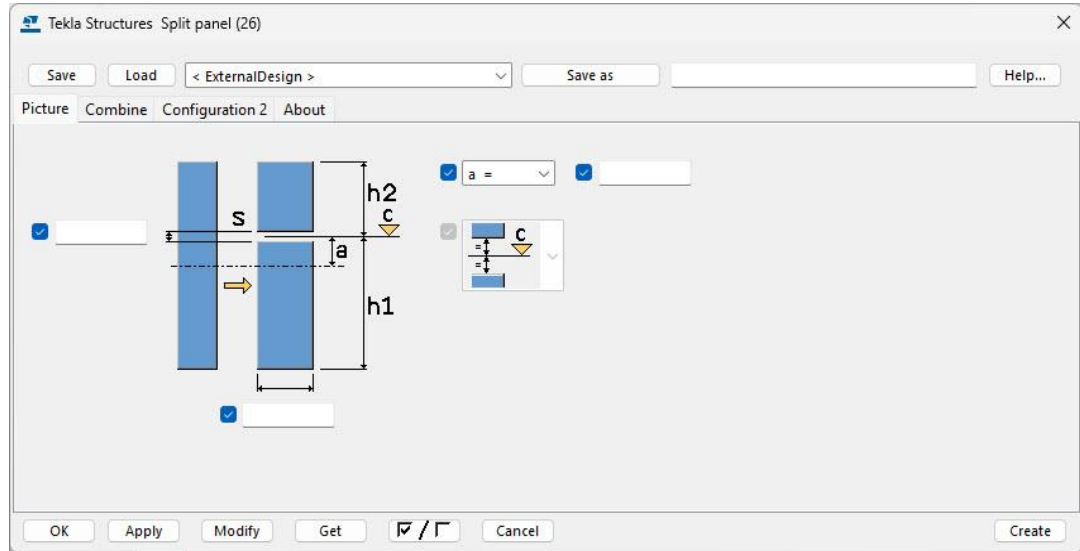
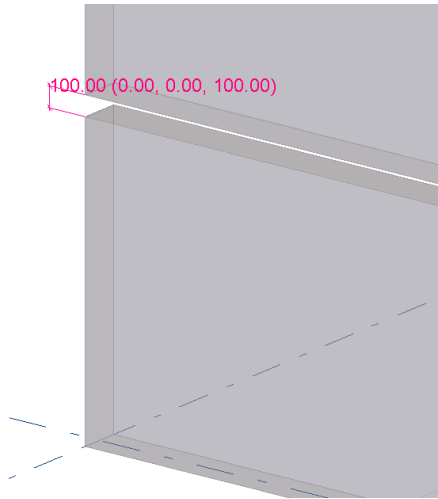
Move seam (25)

- Create a seam between 2 wall elements above each other. Height of the walls can be changed also. There is no component created.



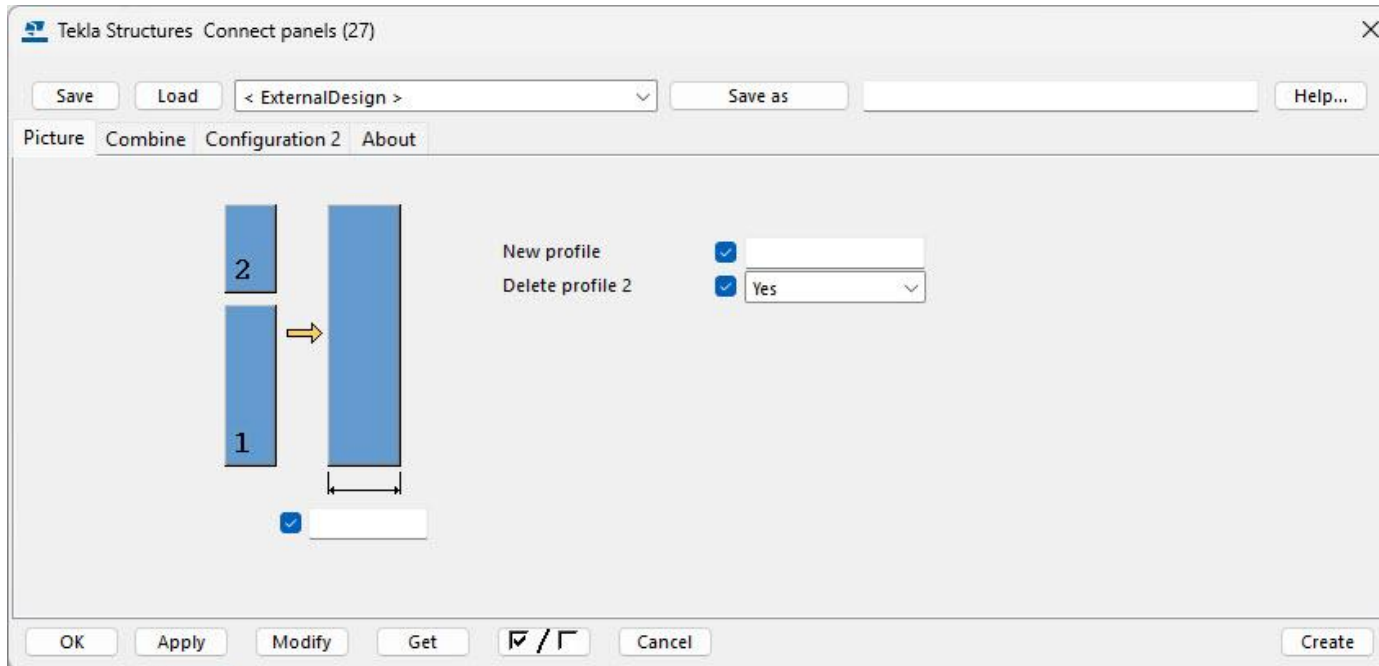
Split panel (26)

- Split 1 panel into 2 panels and define the seam at once. There is no component created.



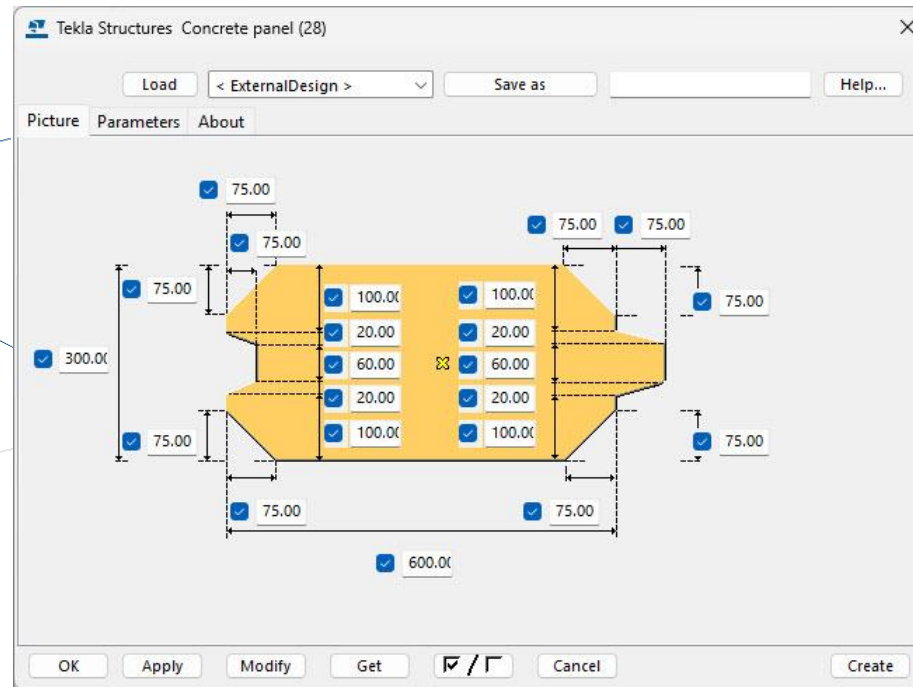
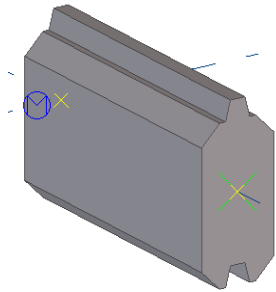
Connect panels (27)

- Creates 1 panel from 2 panels with different extra options for the combined panel. There is no component created.

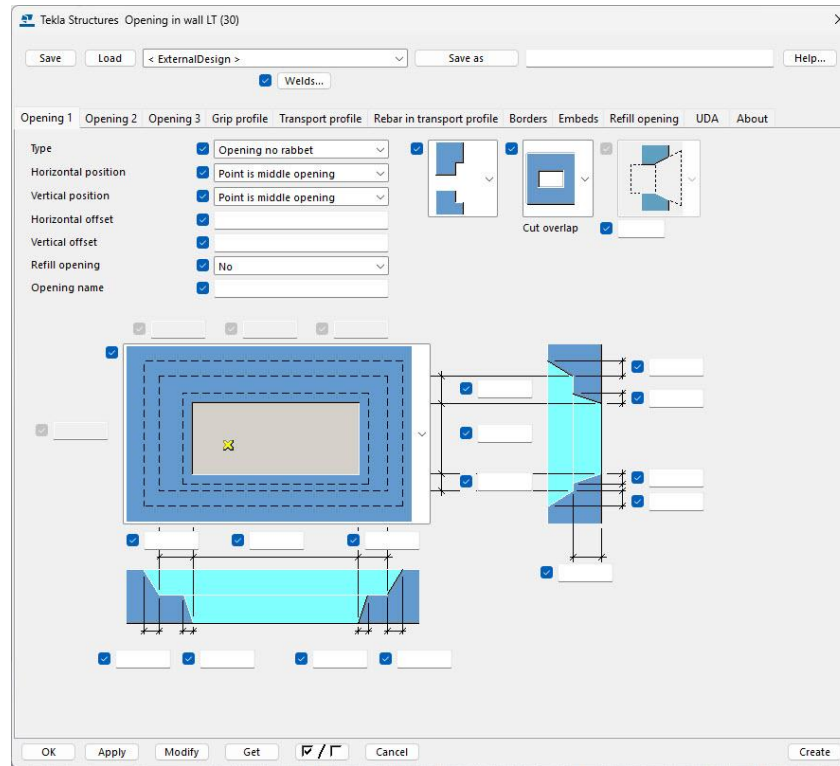


Concrete panel (28)

- Creates a concrete panel with userdefined settings. New profile is added in the profile catalog.

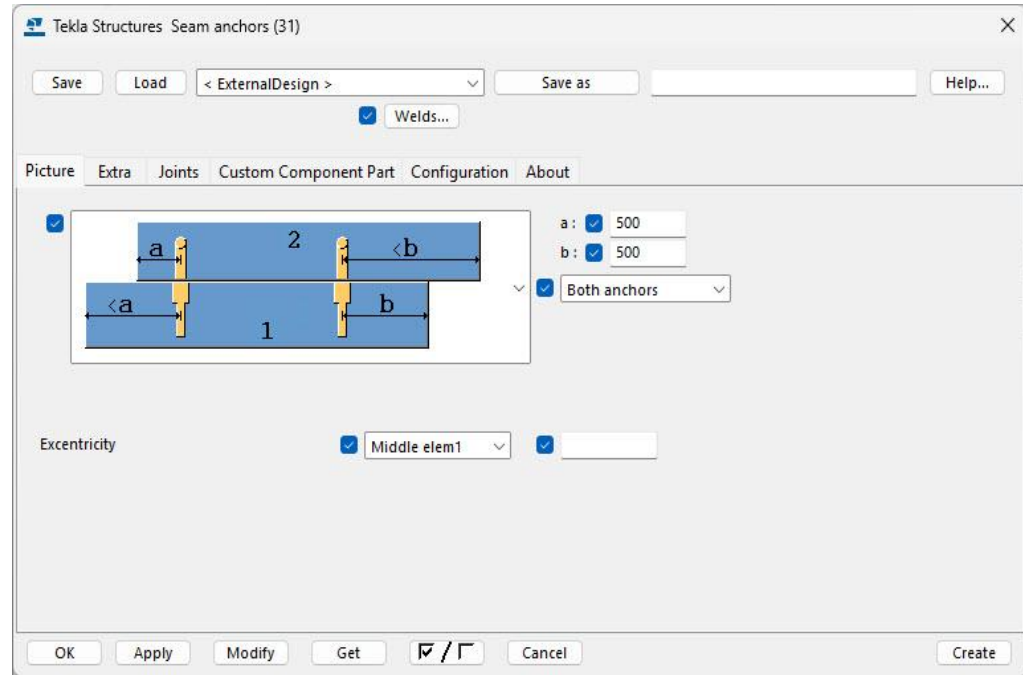
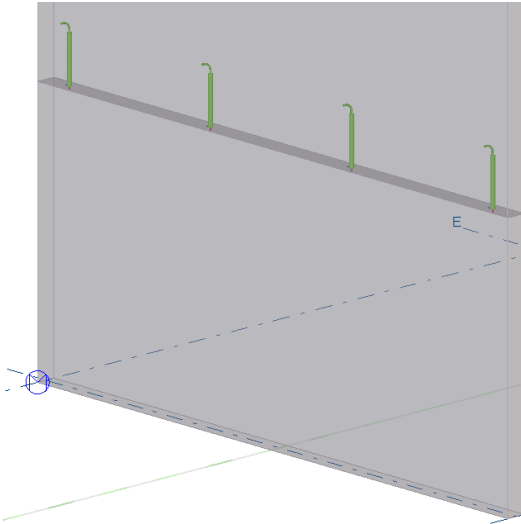


Opening in wall LT (30)



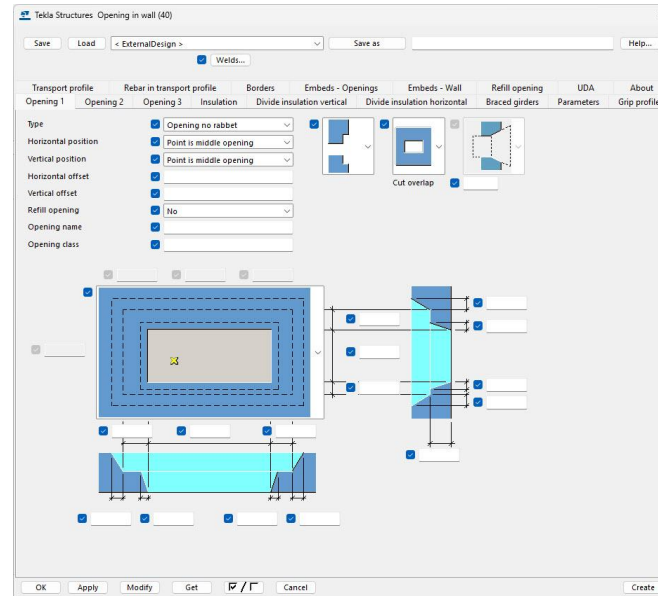
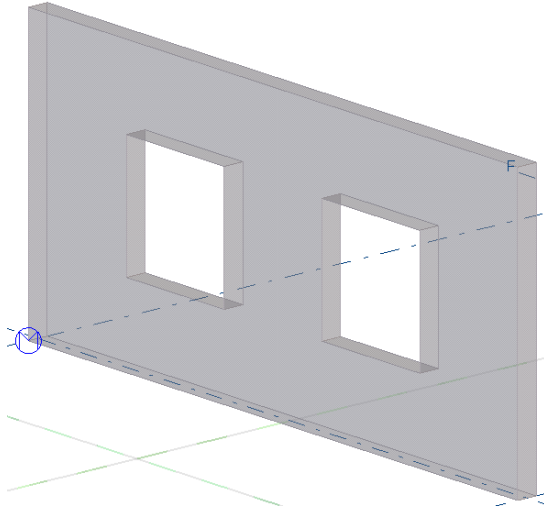
Seam anchors (31)

- Creates anchors between 2 panels. Type of anchor can be defined.



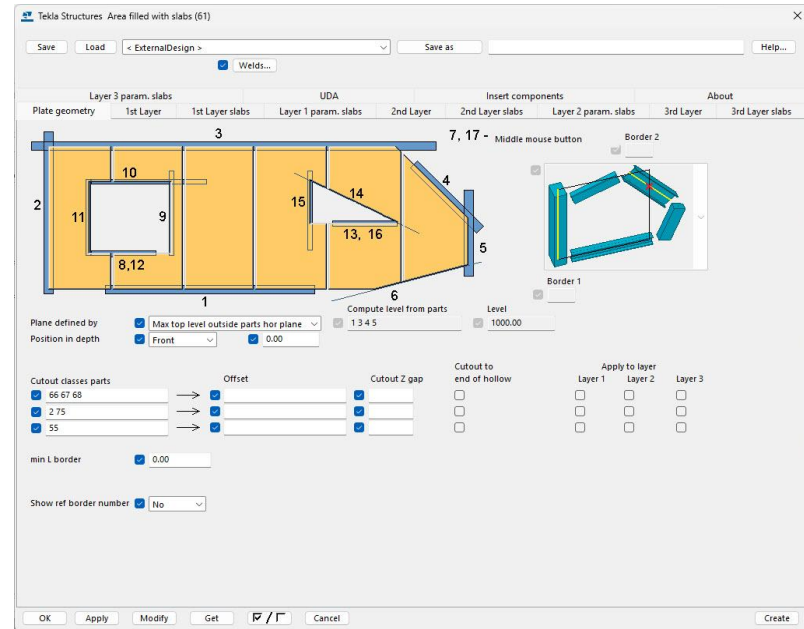
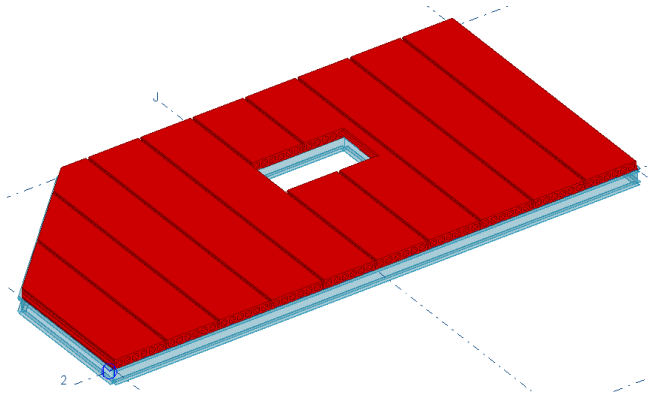
Opening in wall (40)

- This component creates multiple openings in concrete walls such as doors and windows. Optional objects are transport profiles, grip profiles, borders and embeds. Placing is done by picking a main part and a point.



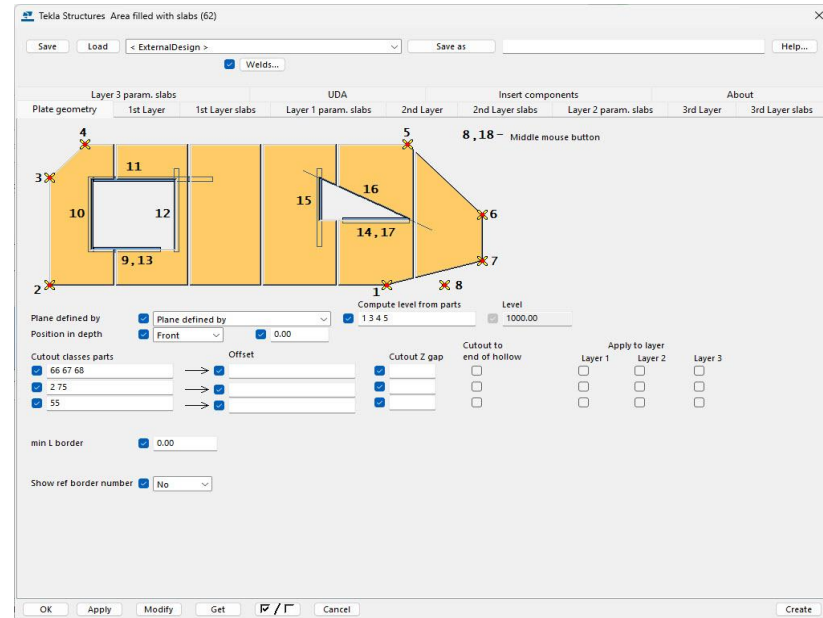
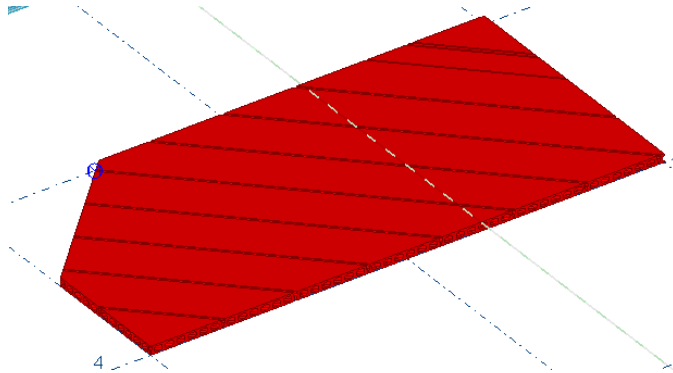
Area filled with slabs (61)

- This component can be used for filling floor areas using slabs, hollowcore floors, but can also be used for adding insulation and finish-layers.

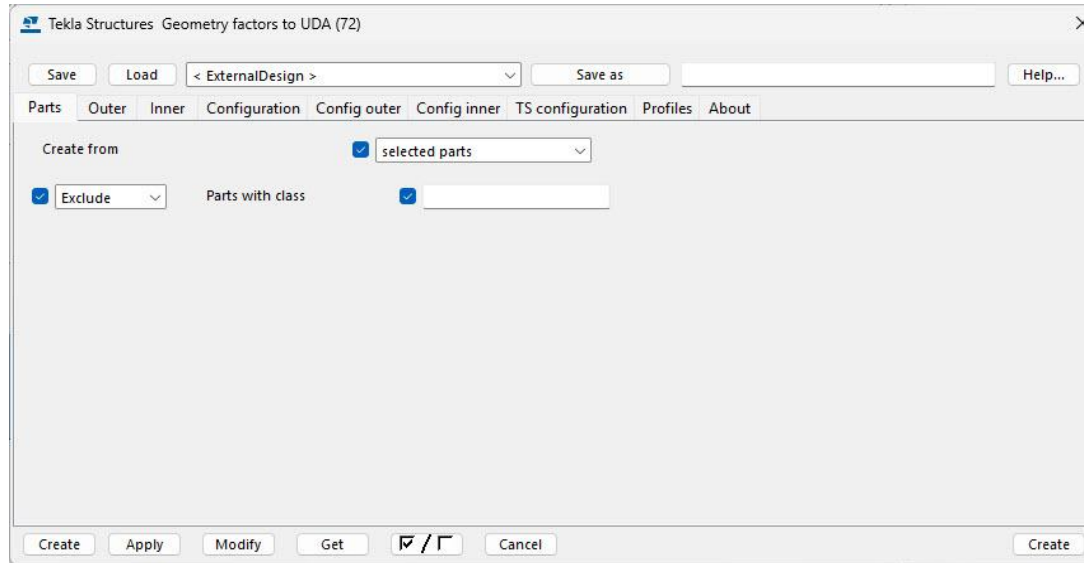


Area filled with slabs (62)

- This component can be used for filling floor areas using slabs, hollowcore floors, but can also be used for adding insulation and finish-layers.

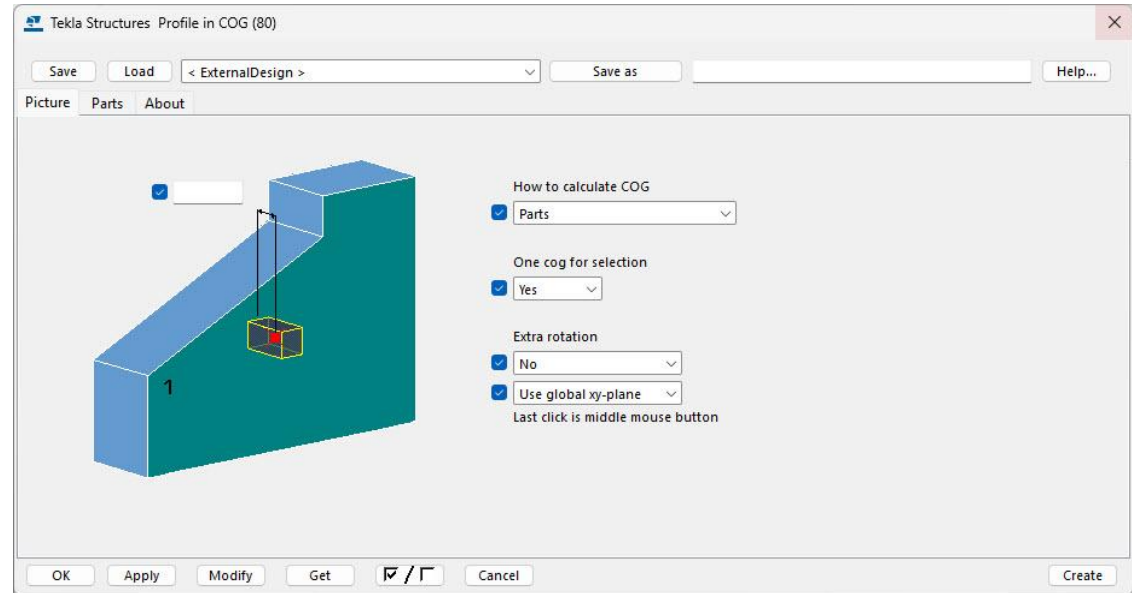
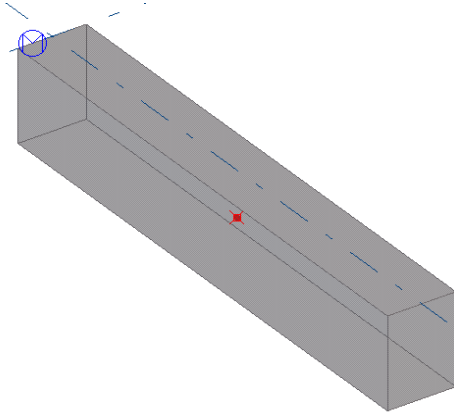


Geometry factors to UDA (72)



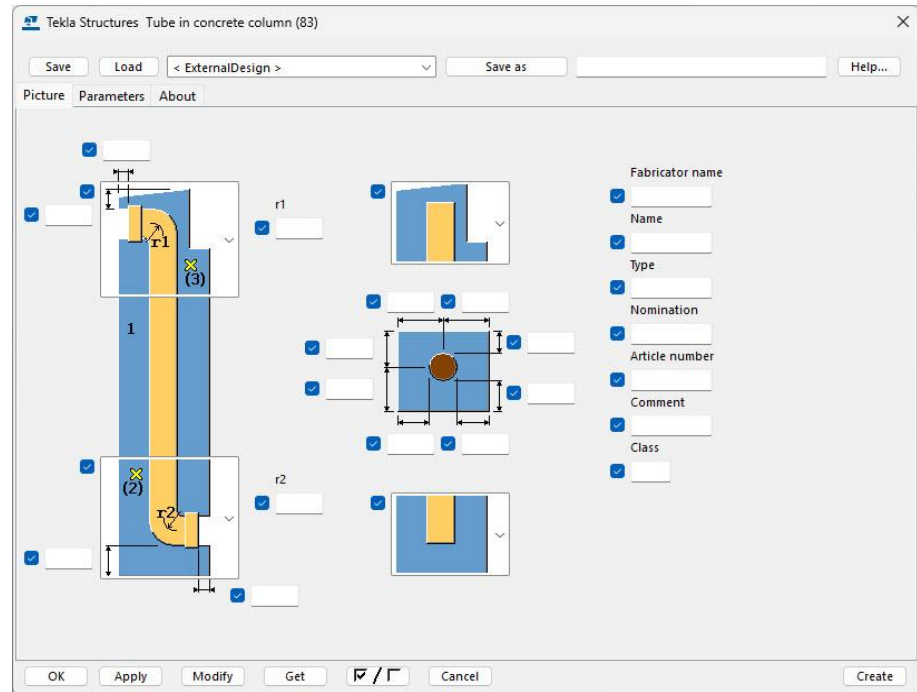
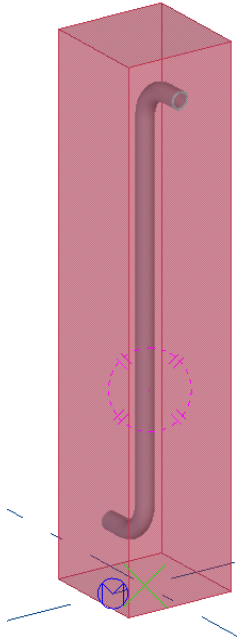
Profile in COG (80)

- Shows the COG position in the picked part.



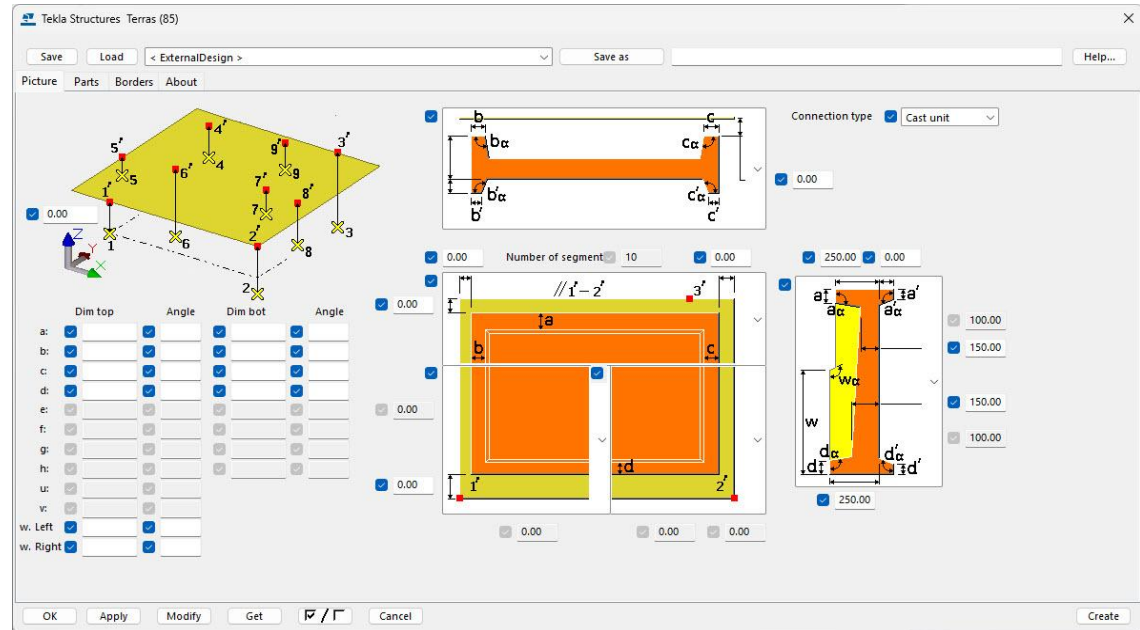
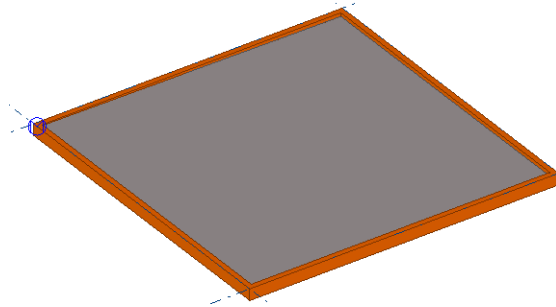
Tube in concrete column (83)

- Use this component to create a tube in a concrete column.



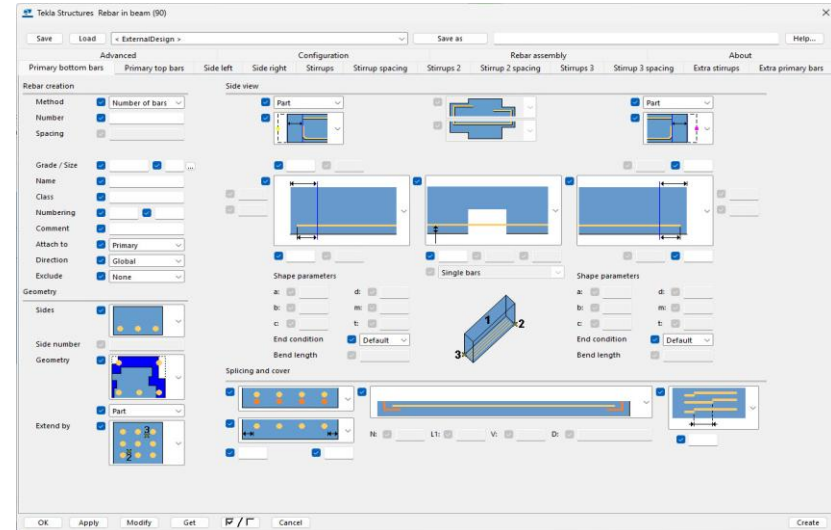
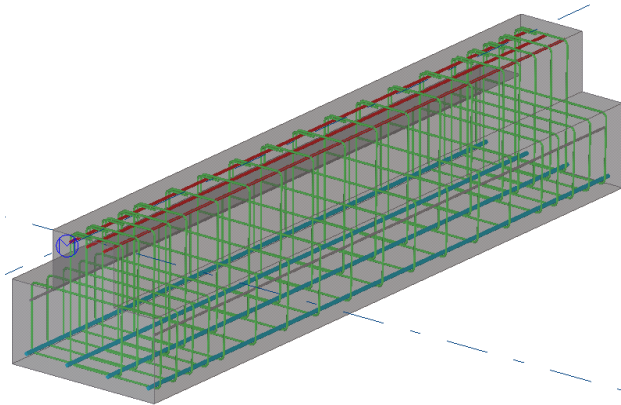
Terras (85)

- Use this component to create a terrace.



Rebar in beam (90)

- Create rebar in different concrete beams. For example model with all rebar components see download:
- http://download.construsoft.com/files/nl/Voorbeeldmodel_wa_peningcomponenten.zip

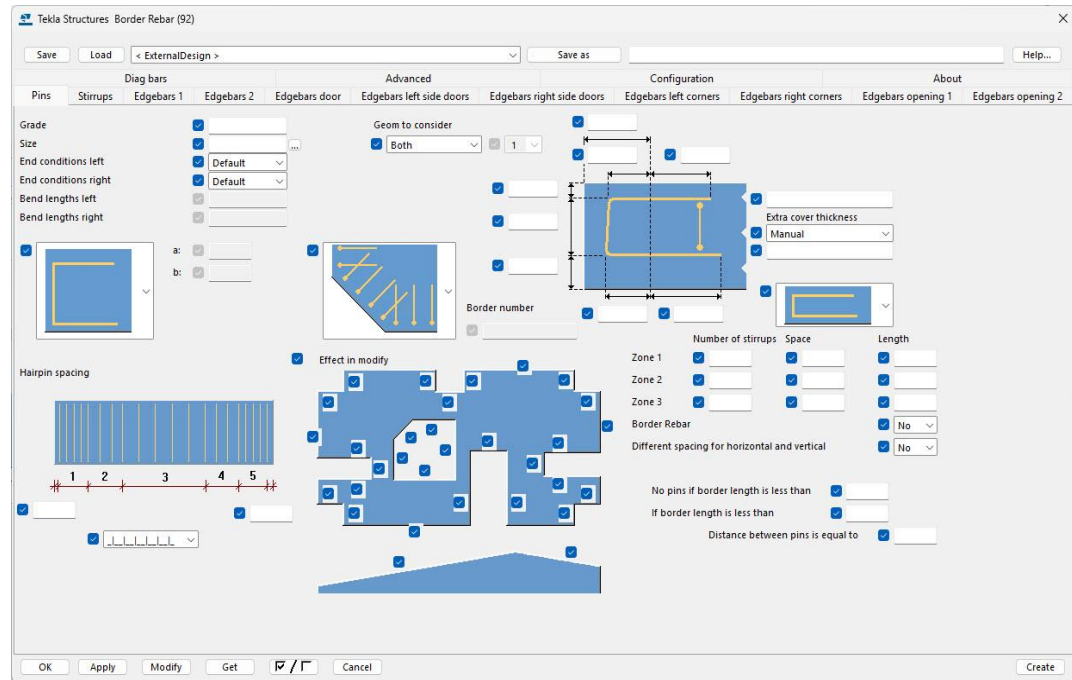
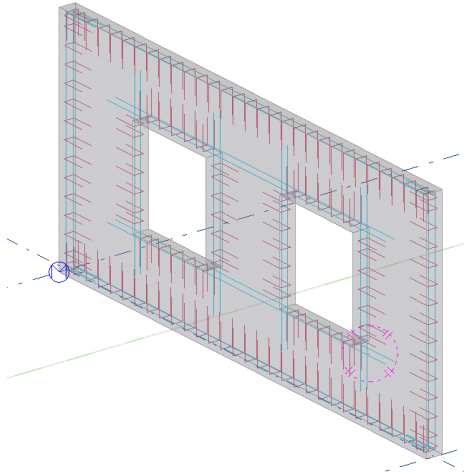


-



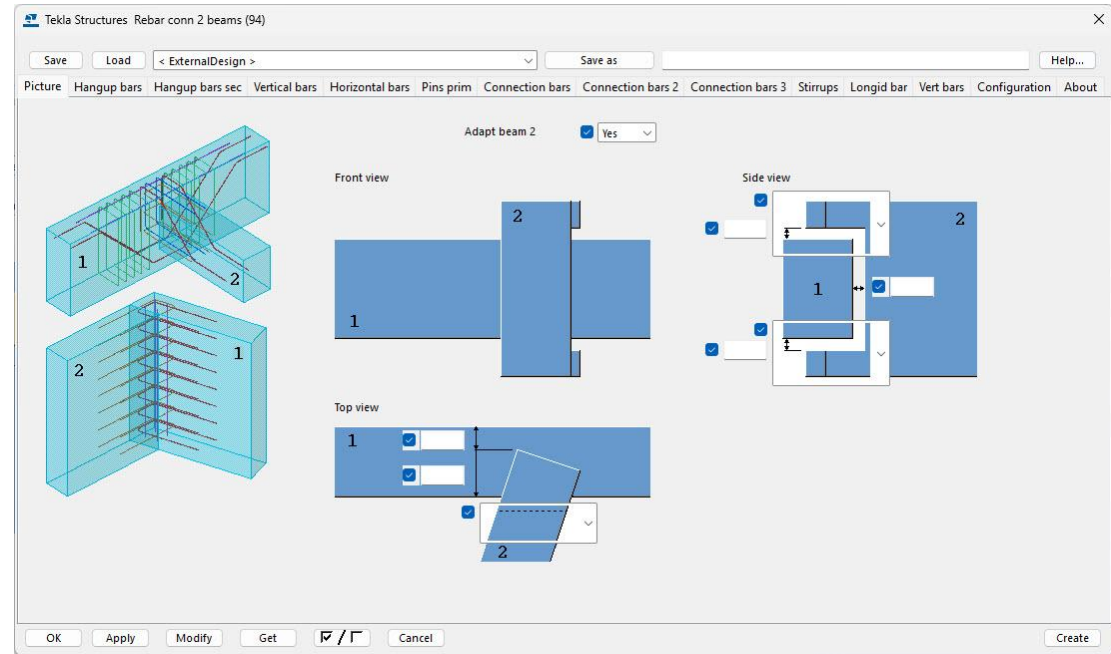
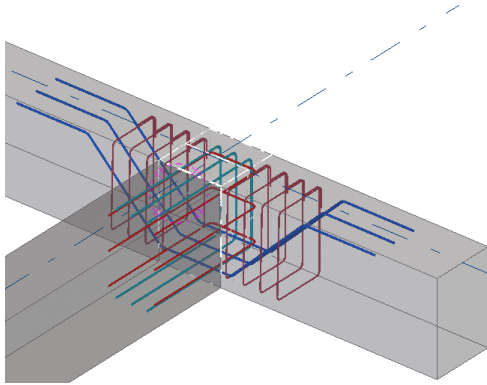
Border rebar (92)

- Creates border rebars.



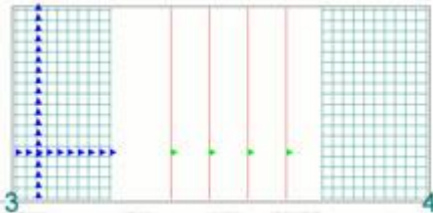
Rebar conn 2 beams (94)

- Creates rebar connection between 2 concrete objects.



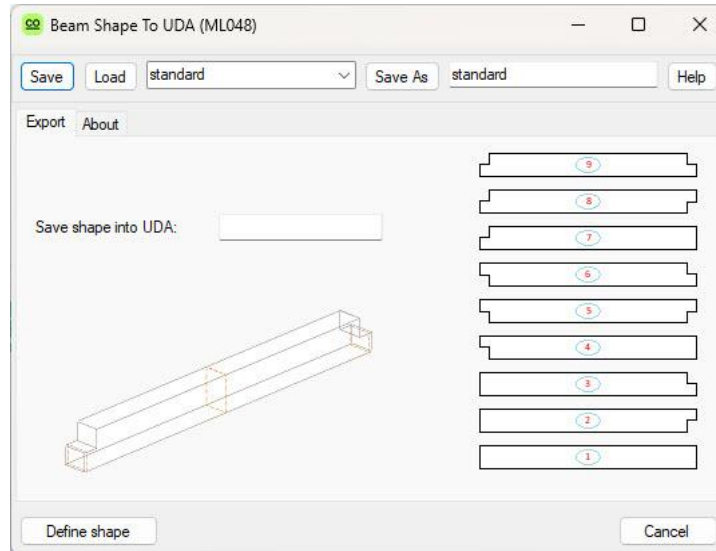
Add rebar symbols (m138)

- Create rebar symbols, which are bound to the rebars in model.
- If rebar is changed, the symbol is adapted automatically.

The screenshot shows the 'Add rebar symbols (m138)' dialog box. It has a 'standard' dropdown menu, a 'Save' button, and a 'Help' button. The 'Symbol' tab is active, showing 'Symbol depends on:' with 'Layer' and 'Rebars' checked. 'Place symbols at picked position' is set to 'No'. The 'Top' tab is selected, showing a table of rebar layers with columns for Layer thickness, File, Color, Position, Offset, Direction, and Rotation. The table has four rows for Top 1, Top 2, Top 3, and Top 4. Each row has checkboxes for 'concrete', 'Symbol', and 'Height', and dropdown menus for 'Symbol' and 'Height'. The 'Position' column has a dropdown menu with 'S' selected. The 'Offset' column has a dropdown menu with '0.00' selected. The 'Direction' column has a dropdown menu with '0°' selected. The 'Rotation' column has a dropdown menu with '0°' selected. At the bottom, there is a 'Filter on selected object' dropdown menu with 'standard' selected, a 'Delete already created symbols' checkbox, and a 'Create on selected objects' button. The bottom of the dialog box has 'OK', 'Apply', 'Modify', 'Get', and 'Cancel' buttons.

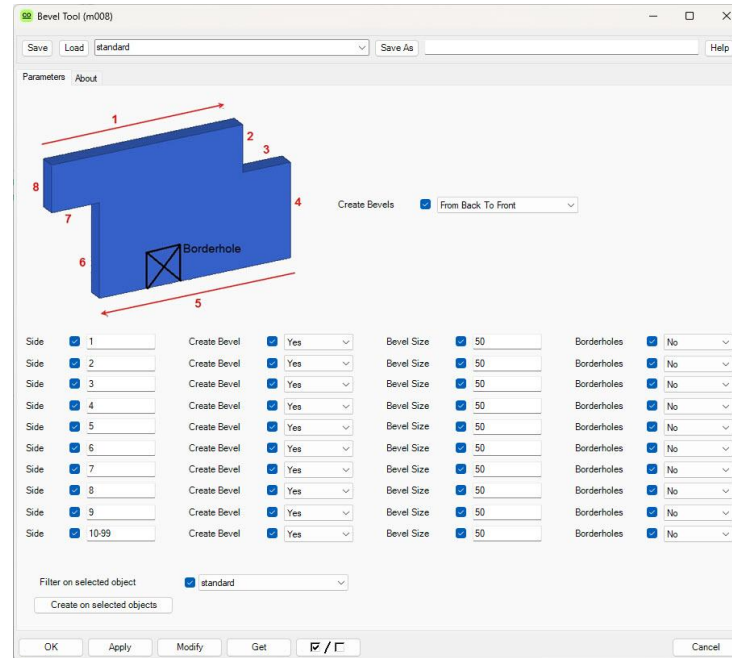
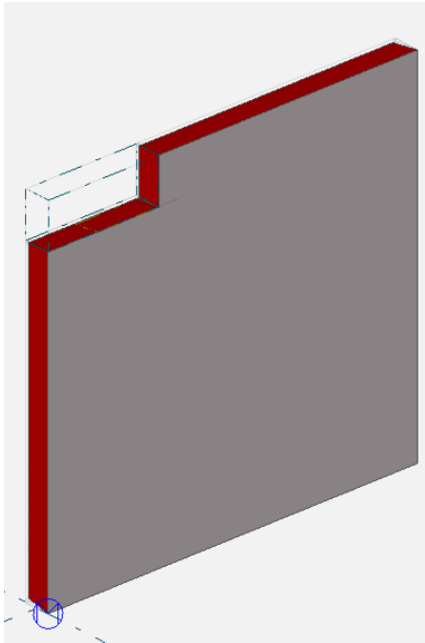
Beam shape to UDA (ML048)

- Recognise beam shapes (prefab foundation beams) at start and endposition (straight, nose, gap) and writes this code into a UDA.
 - Other customcomponent details use this shape to place correct reinforcement with rebar in beam components 90 & 91.



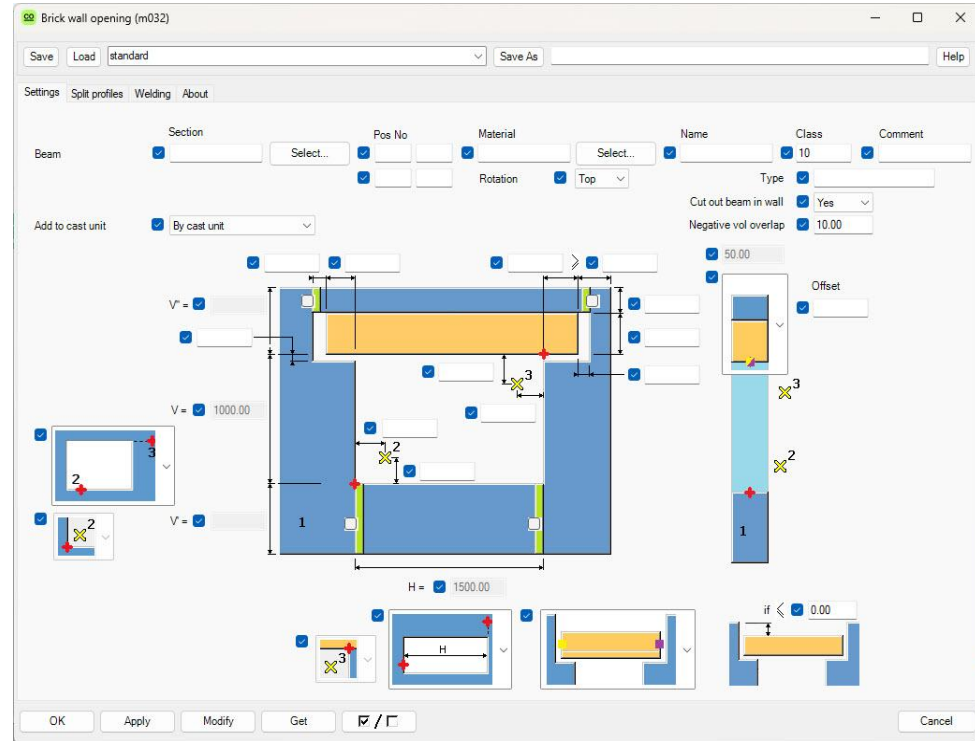
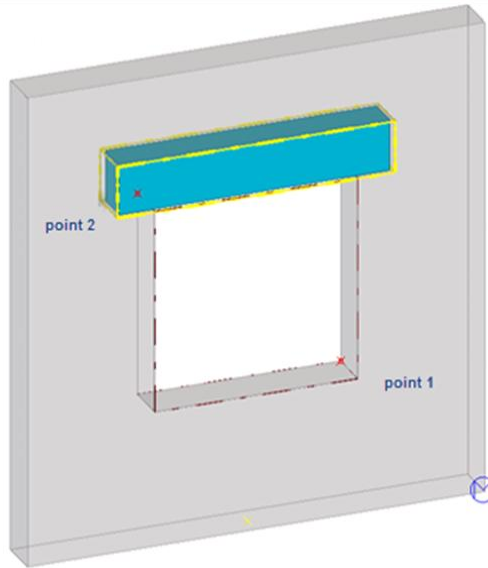
Bevel tool (m008)

- Placement by selecting the Main part.
- Choose on which side(s) the bevel has to be.



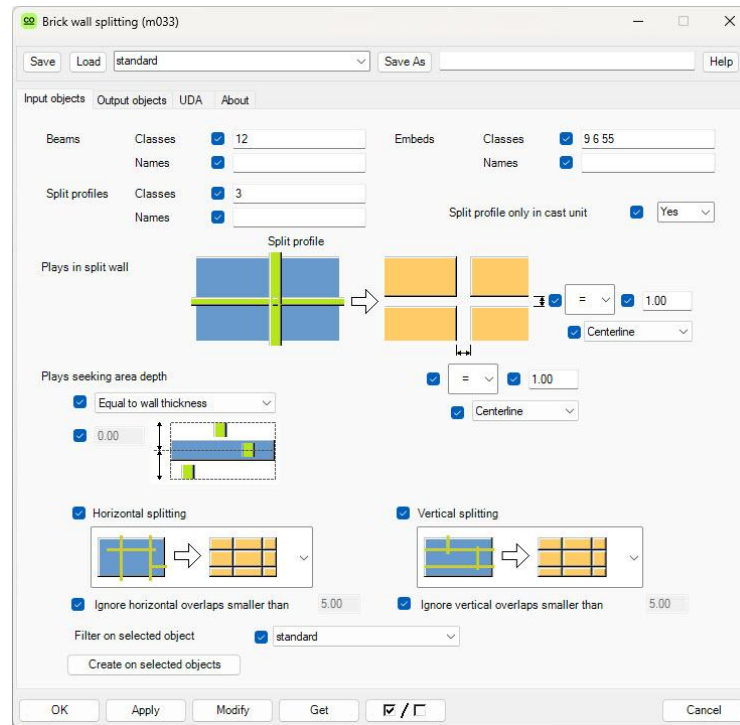
Brick wall opening (m032)

- Select part and 2 points to place.



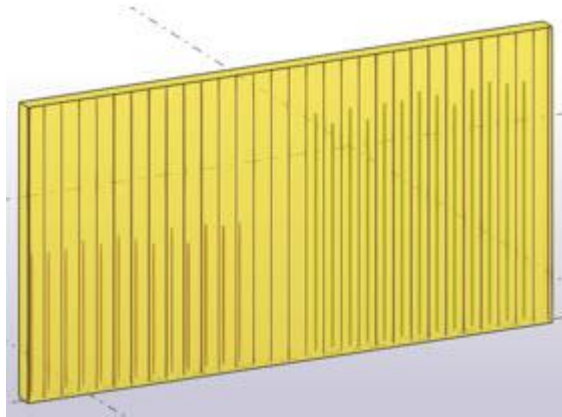
Brick wall splitting (m033)

- New masonry walls can be generated with this tools which can be divided into sections.



Collect similar rebars (ML144)

- Create various groups based on the rebar UDA, Length, Size, etc...
- Number the collection.



Collect Similar Rebars (ML144)

standard Save Help

General About

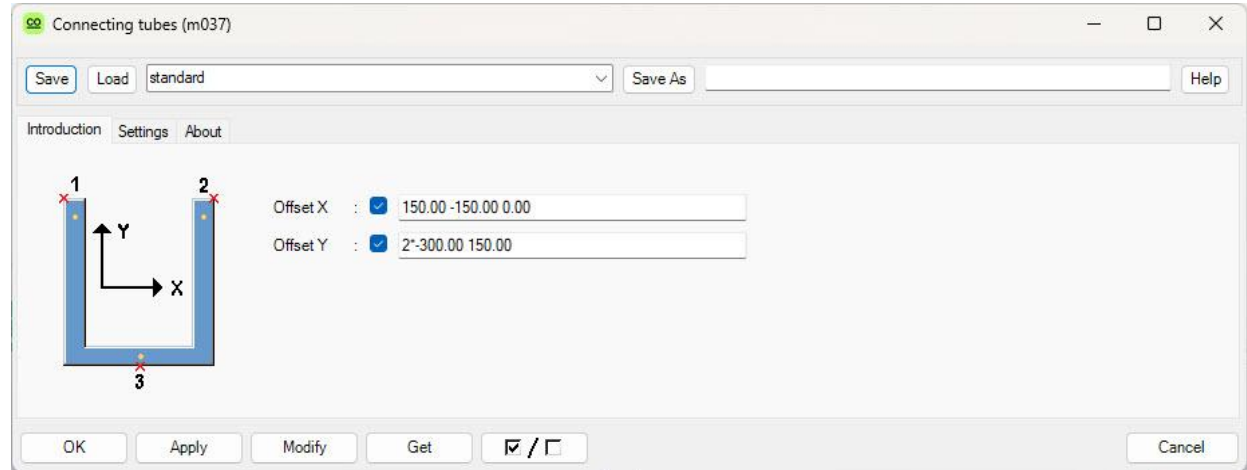
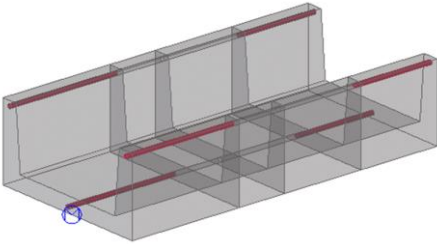
Collect rebars by	Tolerance	Calculation method
Length Yes	0	in the middle
Grade No		
Size No		
Class No	Rebar UDA name	
UDA No		
Number collected rebars	Prefix	Start number
No		1

Collect Cancel



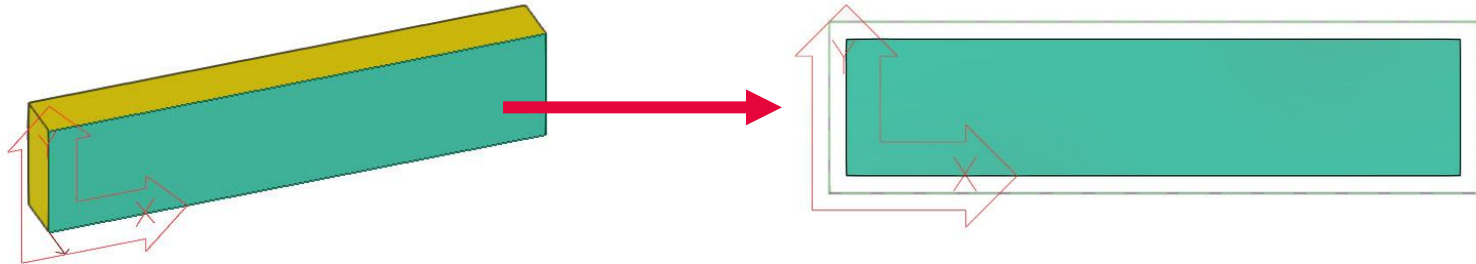
Connection tubes (m037)

- To link several prefabricated parts with tube / recesses.



Create surface view (ML501)

- Creates a view to the surface of a selected object.



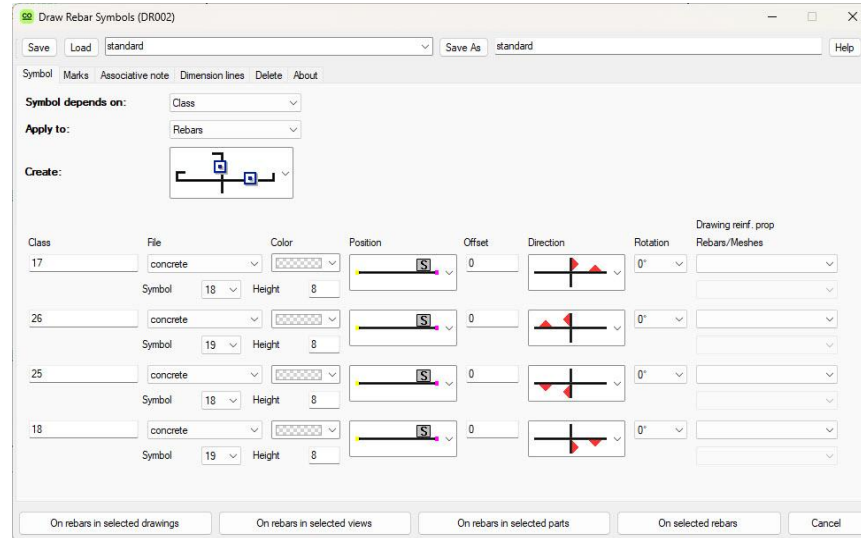
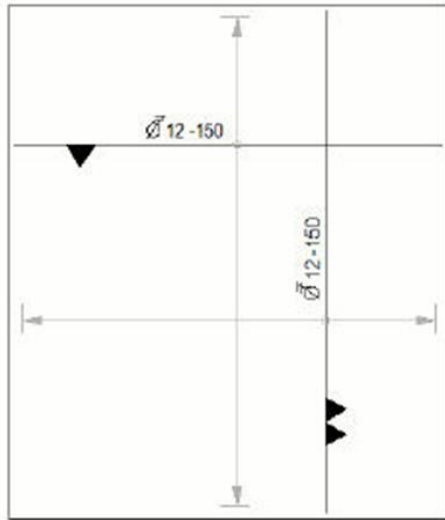
Create surface view wEdge (ML502)

- Creates a view to the surface of a selected object and aligns the work plane along the selected edge.



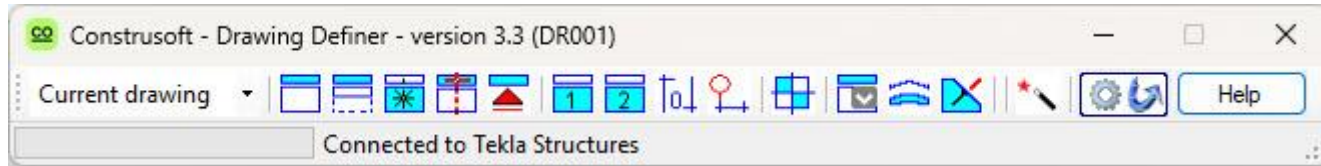
Draw rebar symbols (DR002)

- Insert symbols and / or (more) associative comments on rebar.
- Can be applied to the drawing, view or bar.
- Application: Reinforcement Flags (low indication).



Drawing definer (DR001)

- A toolbar with a collection of different drawing tools.

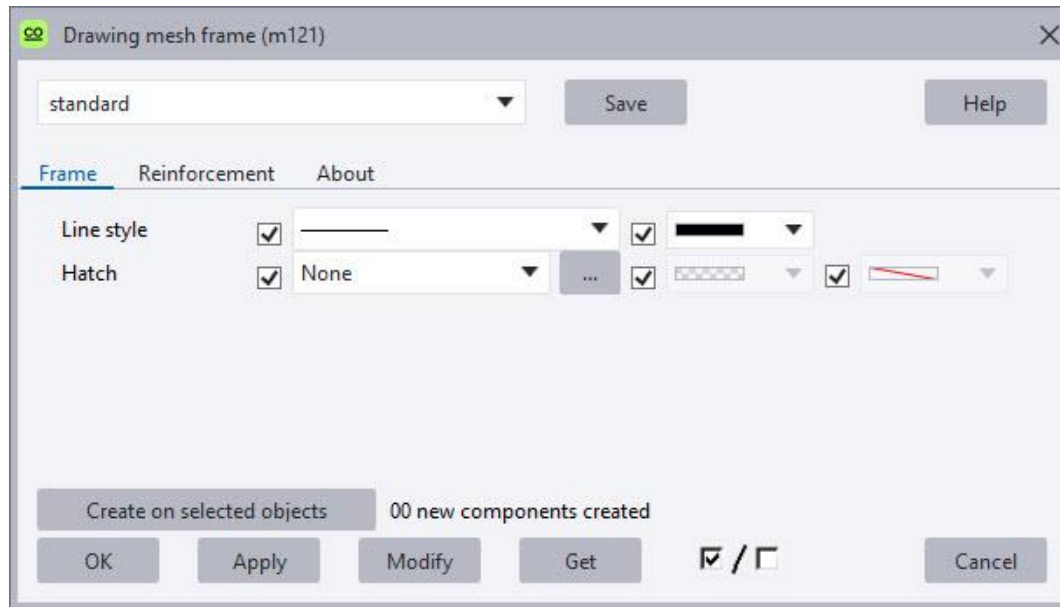


- Most tools insert symbols or dimension lines.
- Conditions can be defined to a detailed level.
- More information: documentation Drawing Definer.



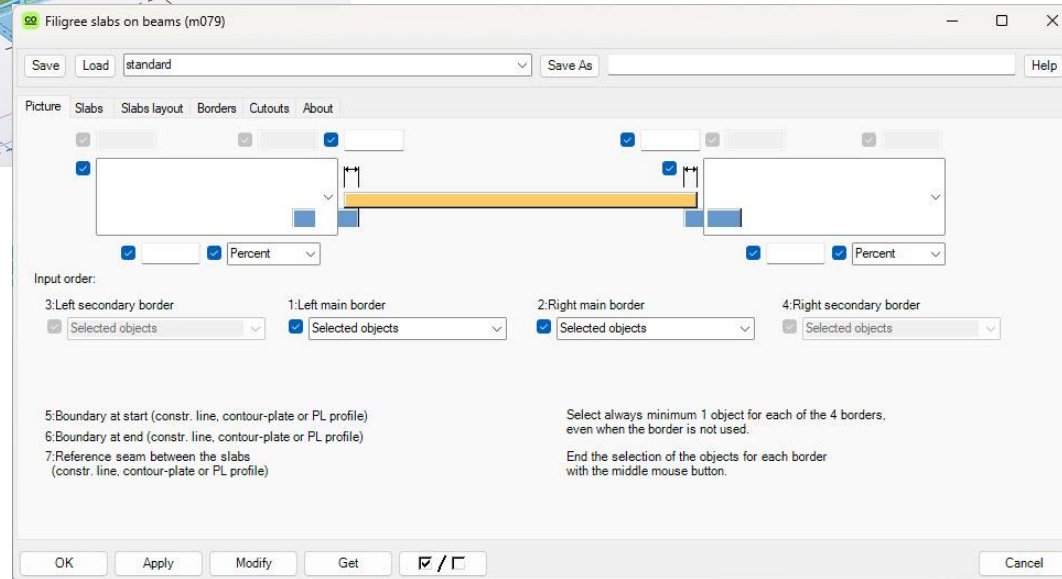
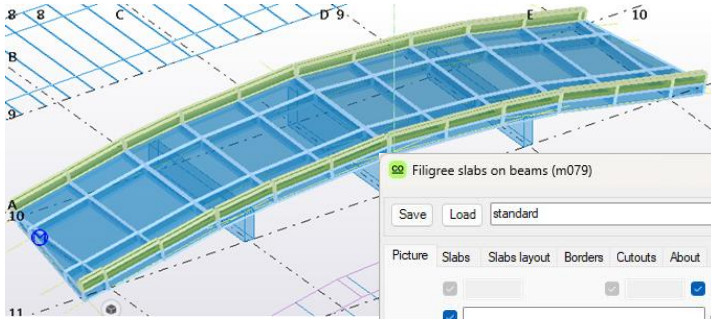
Drawing mesh frame (m121)

- Creates a frame around rebars mesh by picking it.



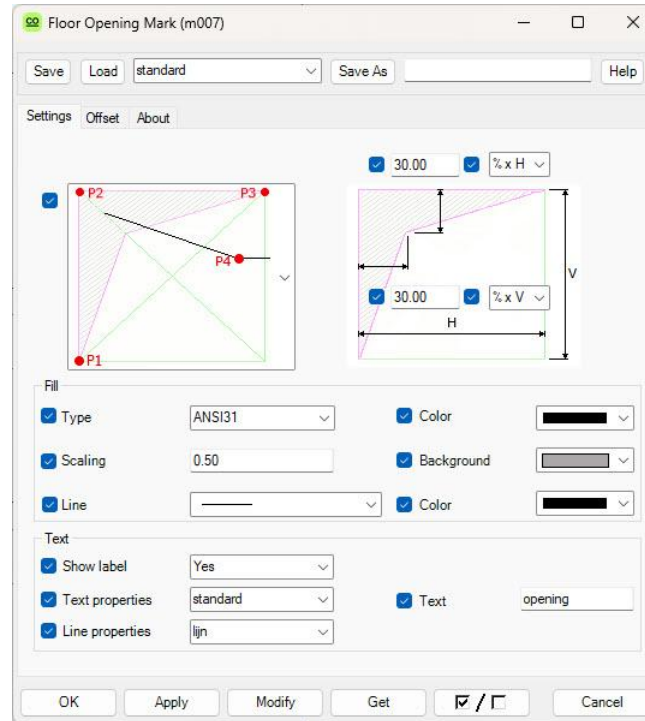
Filigree slabs on beams (m079)

- Create slabs or beam on selected borders objects.



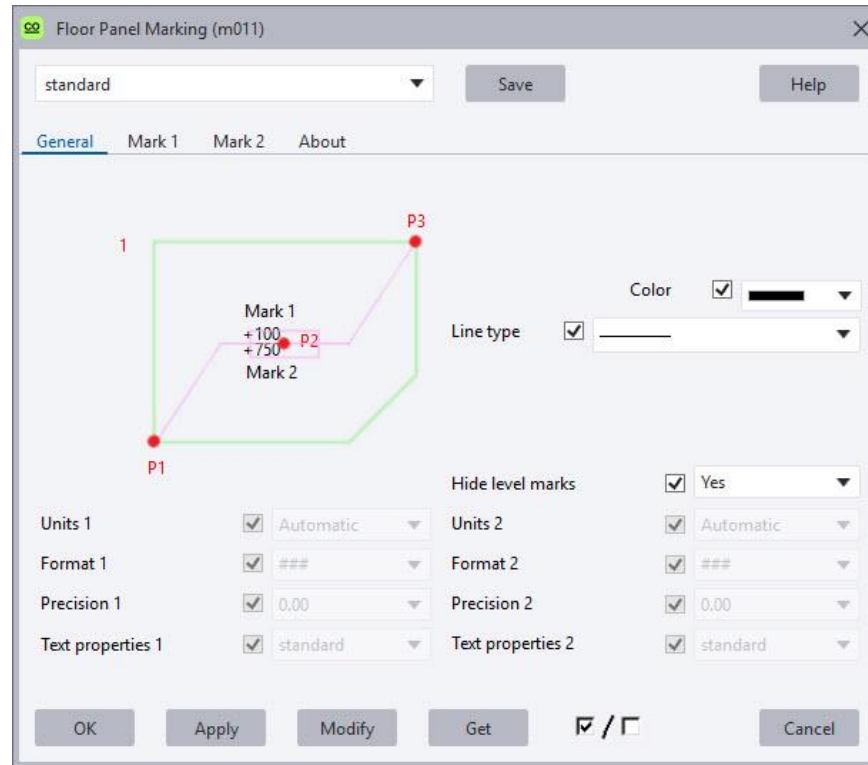
Floor opening mark (m007)

- Creates a circle or rectangular opening mark.



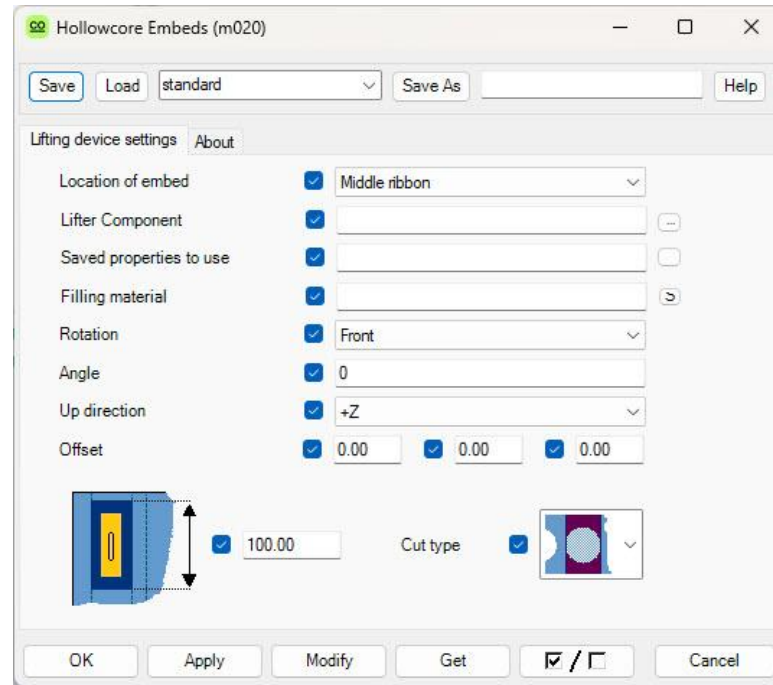
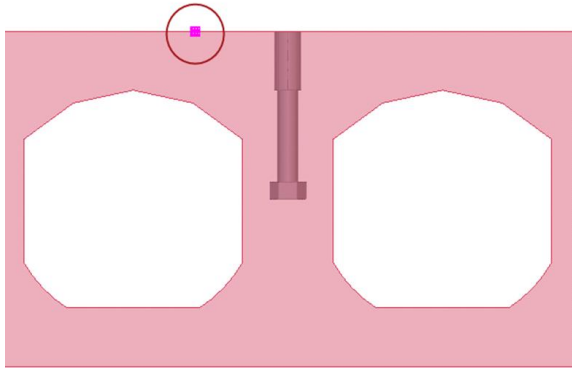
Floor panel marking (m011)

- Dimension openings on General drawings.



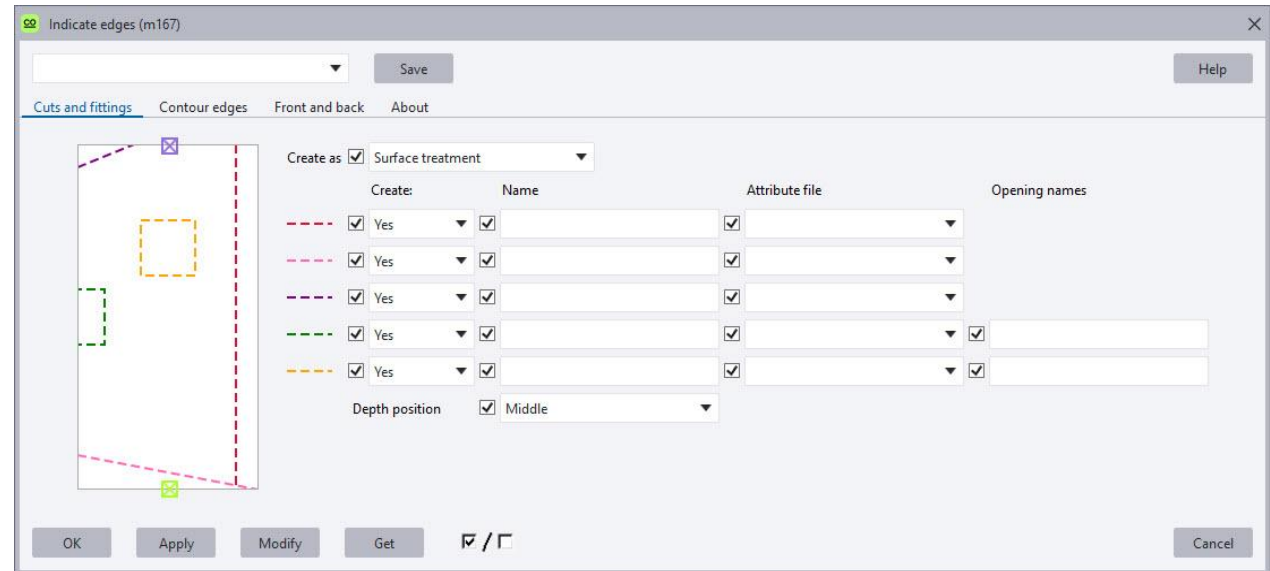
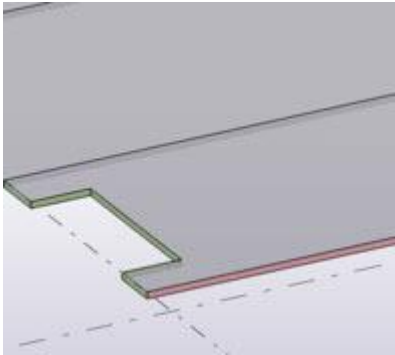
Hollowcore embeds (m020)

- Regardless of the insertion point the component part is placed in the rib or in the middle of the channel.



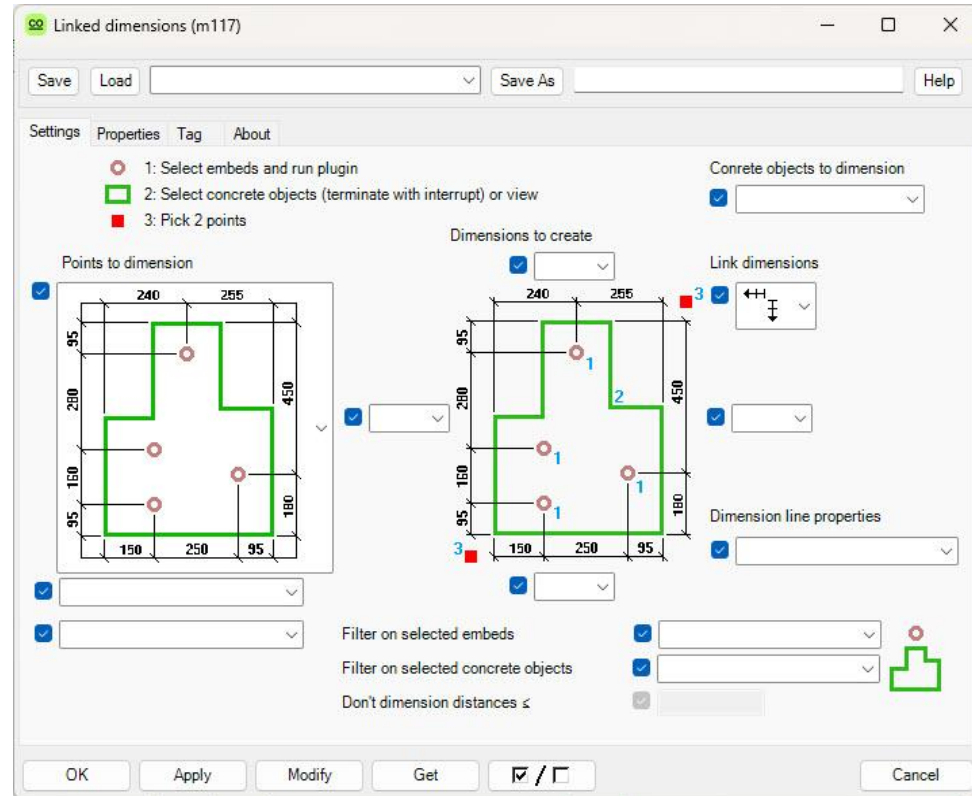
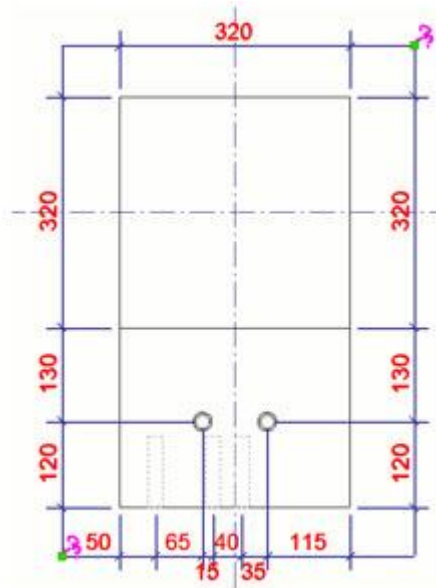
Indicate edges (m167)

- Indicate different types of edges.
- Create predefined surface treatment on the edges.



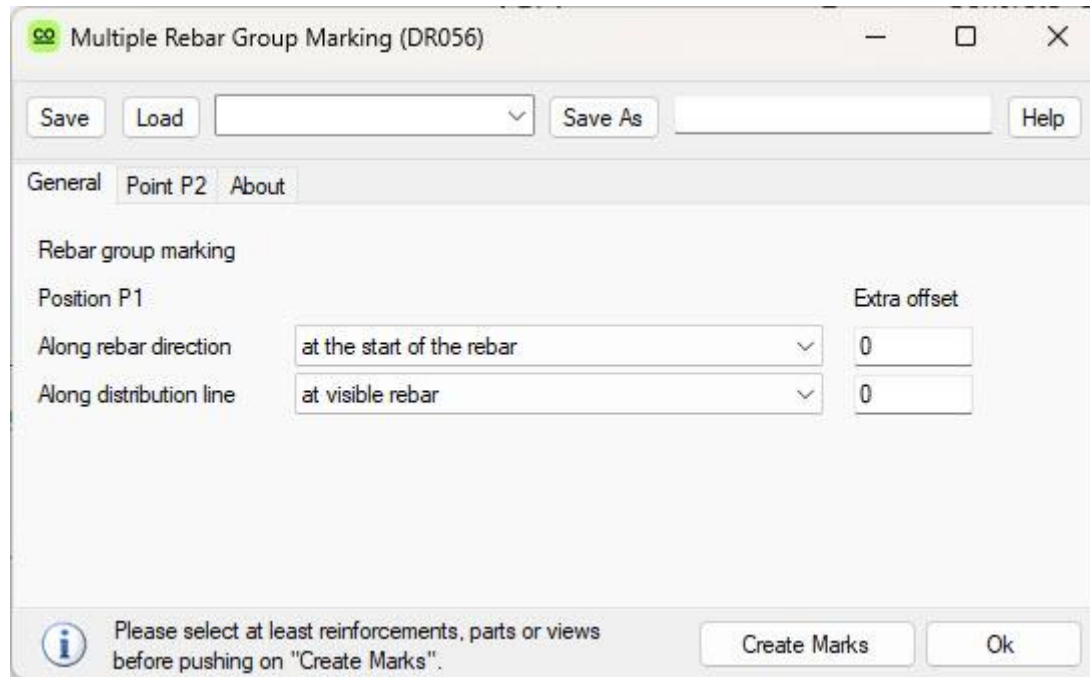
Linked dimensions (m117)

- Dimension selected parts and embeds.



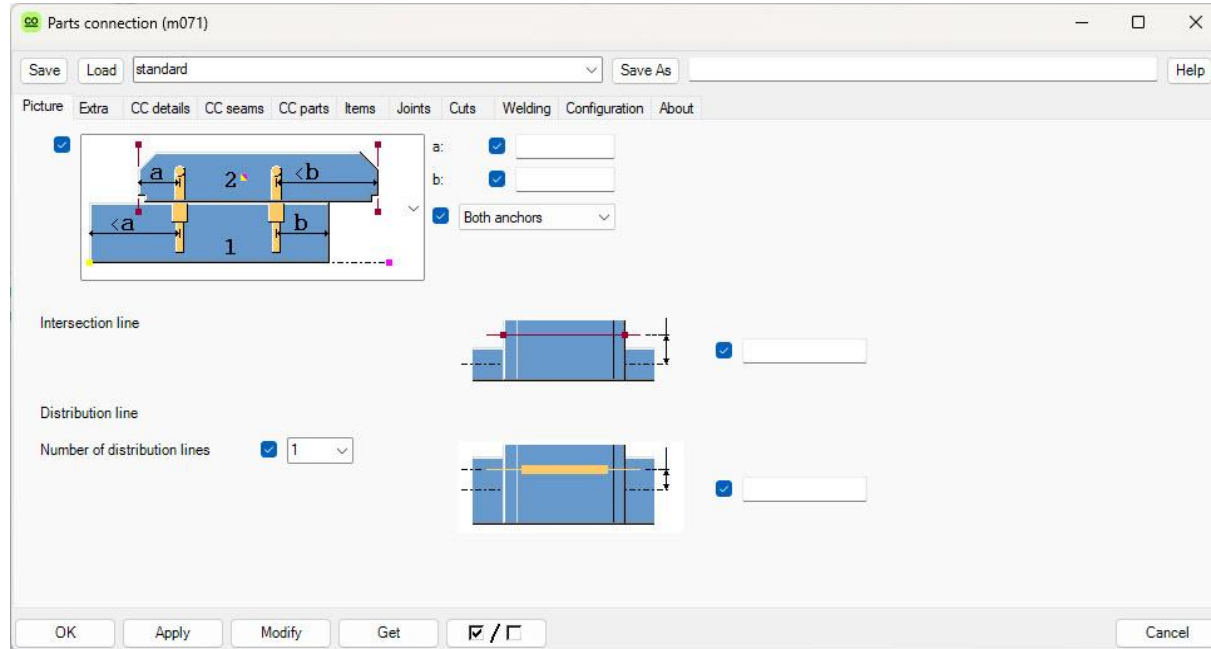
Multiple rebar group marking (DR056)

- Rebar Group Multiple Marking.



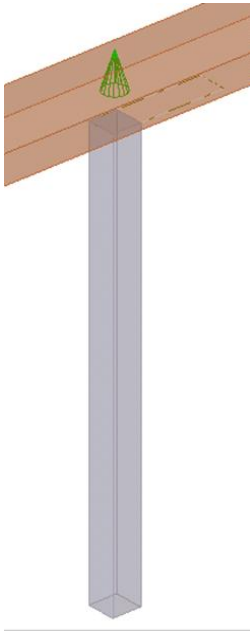
Concrete parts connections (m071)

- Pick two or three parts and end with middle mouse button. Click 2 points. This plugin can create different kinds of connections.



Pile foundation (d001)

- Placed by selecting mainpart and one point.



File foundation (d001)

Save Load standard Save As Help

Parameters Rectangular array Circular array UDA General About

Pile size ☒ 250*250 Select.. ☒ p ☒ 1 ☒ Concrete_Undefiner Select... ☒ FUNDERINGSPAAL

☒ 300 ☒ 20

Excentricity ☒ 0 ☒ 0

Round off order ☒ Offset ☒

Layout point ☒ No

Layout point settings ☒

Cut out beam ☒ Yes

Cast unit type ☒ Cast in place

Pour number ☒ 11

Rotation ☒ Auto

Split piles from input part ☒ No

☒ -4000

Pile bottom point

Sloped Pile ☒ No

OK Apply Modify Get / Cancel

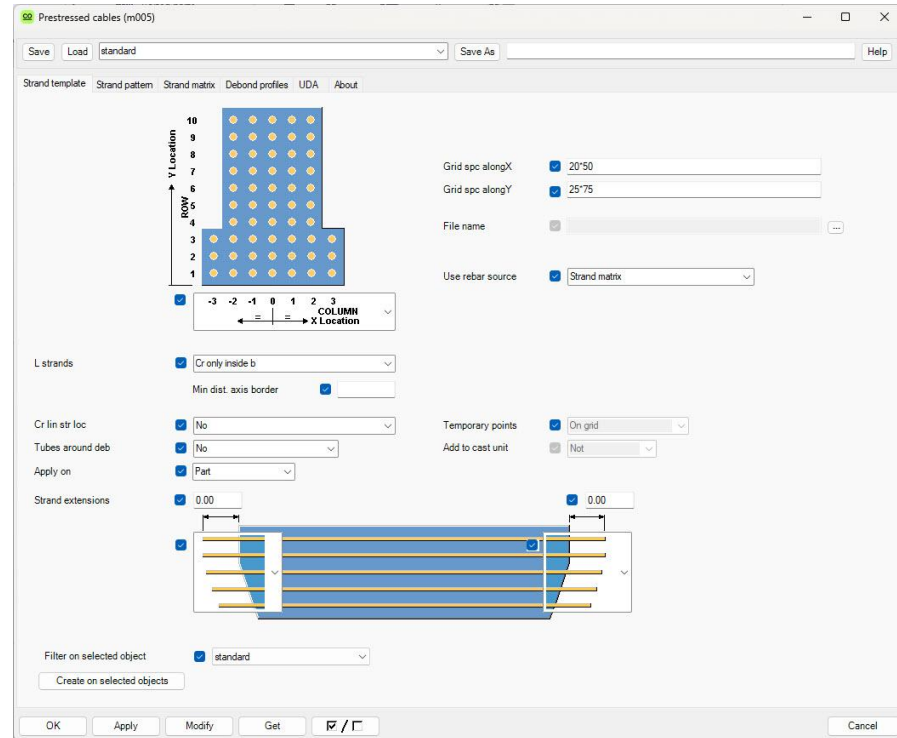
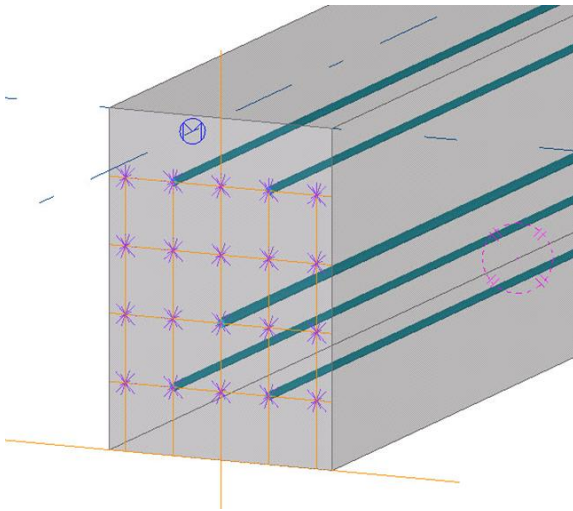


Pourmaker (ML509)



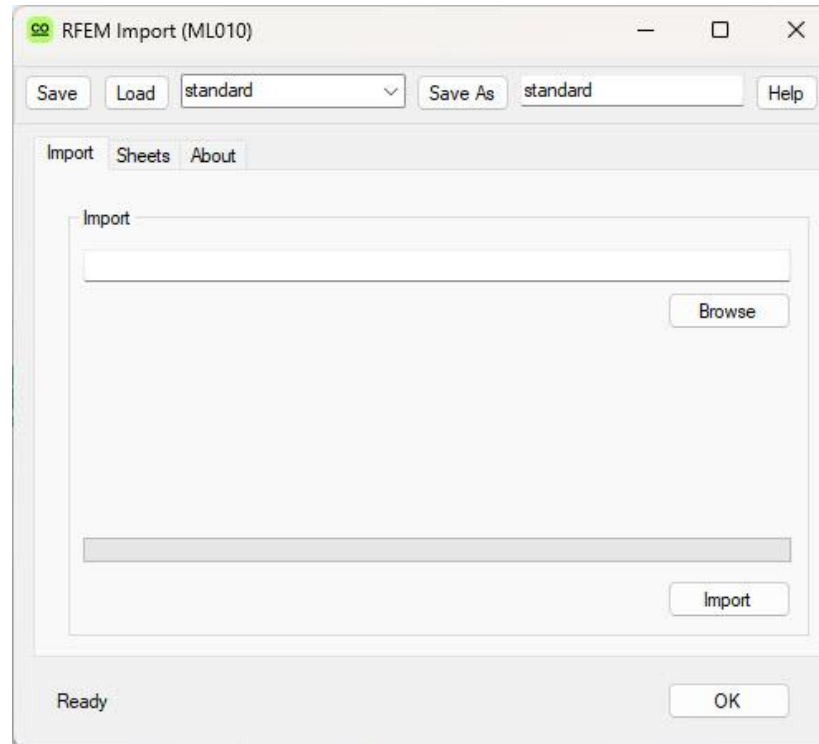
Prestressed cables (m005)

- Places Prestressing reinforcement in a matrix which can be user defined.



RFEM import (ML010)

- Application can be used for the import of RFEM calculation results.

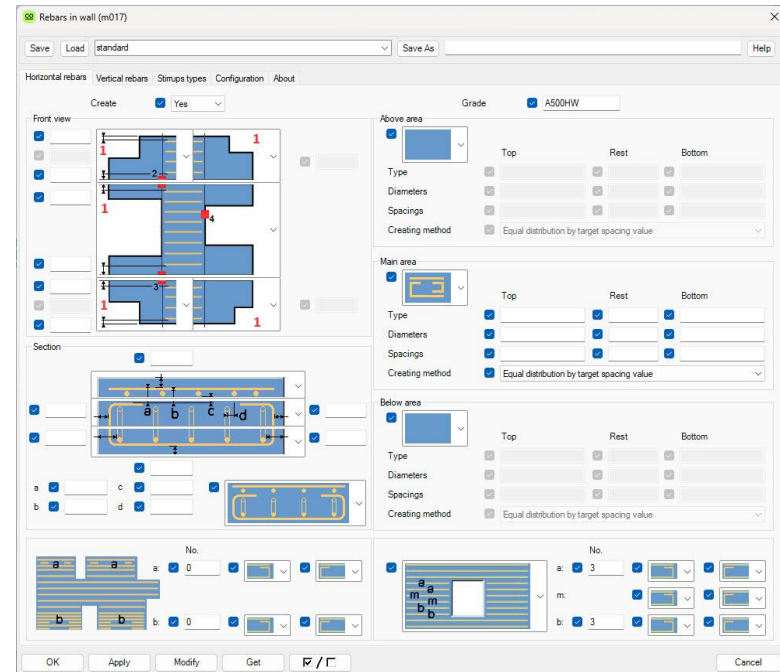
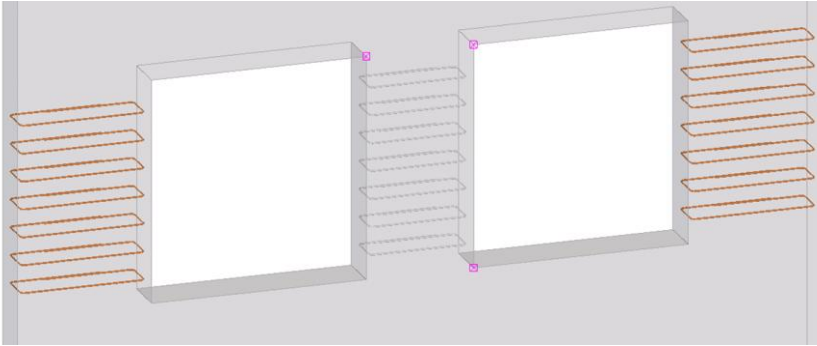


Rebar seq letters (ML510)



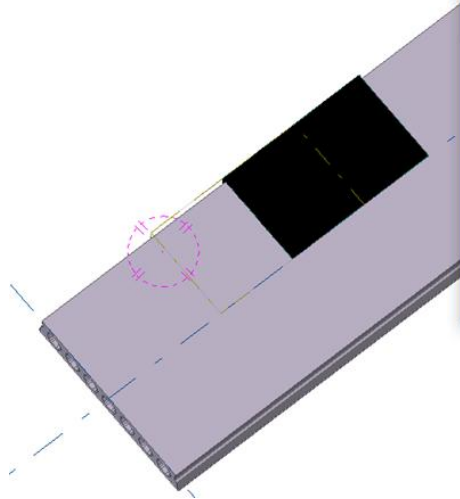
Rebars in wall (m017)

- Make reinforcement in different 'zones' in walls.



Refill slab and wall openings (ML059)

- Fill openings in slabs and walls.



Refill slab and wall openings (ML059)

Save Load standard Save As standard Help

Settings About

Sleeve - shape
Square - shape
Hammerhead - shape
L-shape - shape
Round hole - shape
Rest

Sleeve - shape

Not complete

Complete

Material

Part Pos.

Name

Class

Comment

Filler part attributes

Filler part attributes

Add Remove

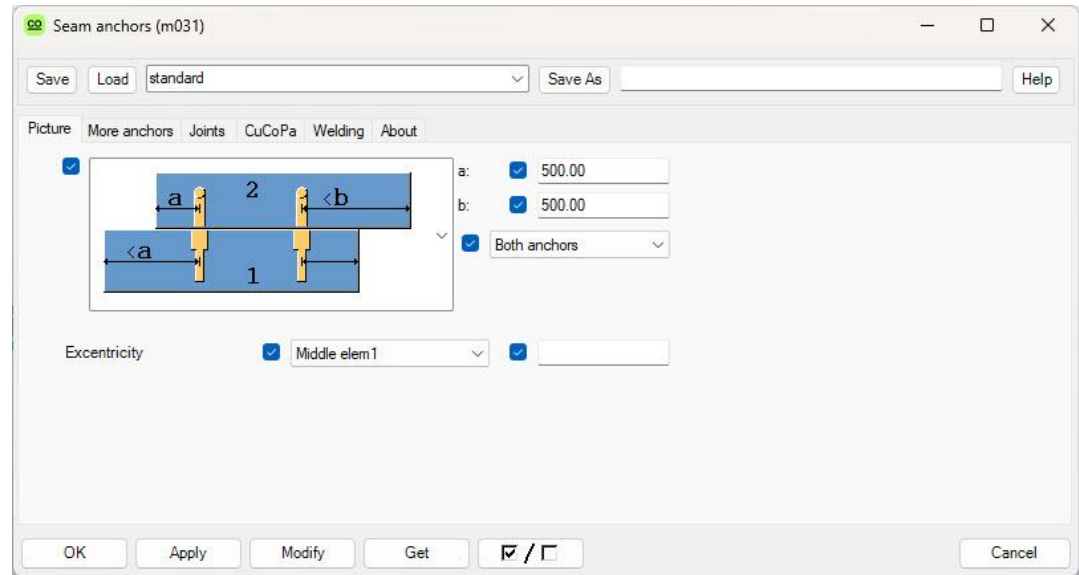
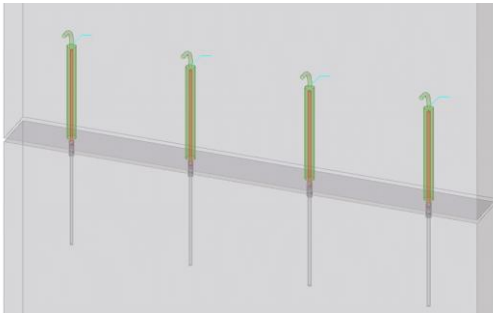
Fill holes

Cancel



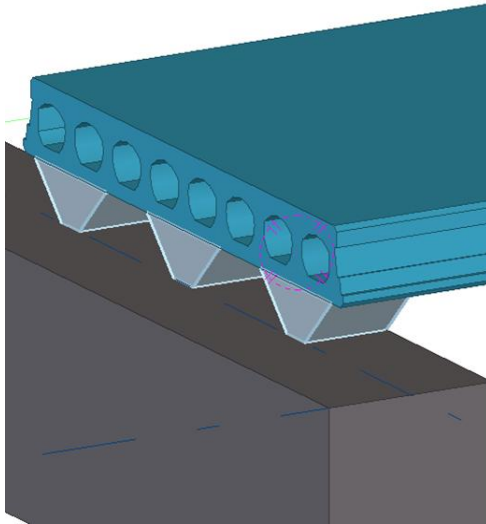
Seam anchors (m031)

- Select 2 walls to place.
- Uses custom components. Can be set on tab page CuCoPa.



Bearingblocks on slabs (m058)

- Creates bearing blocks on slabs.




Slabs with bearing blocks (m058)

General

Configuration data

Parts

About

Input

Class lists

☒ 1
☒
☒

Auto

Auto

Auto

Offset

a:

b:

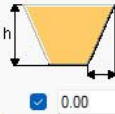
h:

☒ 10.00
☒ 40.00
☒

☒ 10.00
☒ 40.00
☒

☒ 10.00
☒ 40.00
☒

Result

☒ 0.00

Connect blocks

☒ By cast unit

Minimum block width

☒ 50.00

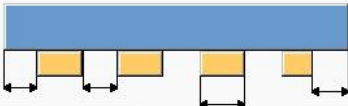
Filter on selected object

☒ standard

Default offset and notch definition

Blocks direction

☒ Origin



☒ 0.00
☒ 400.00
☒ 200.00
☒ 0.00

Top level limit

☒ 1000.00



☒ 1000.00

Bottom level limit

OK

Apply

Modify

Get

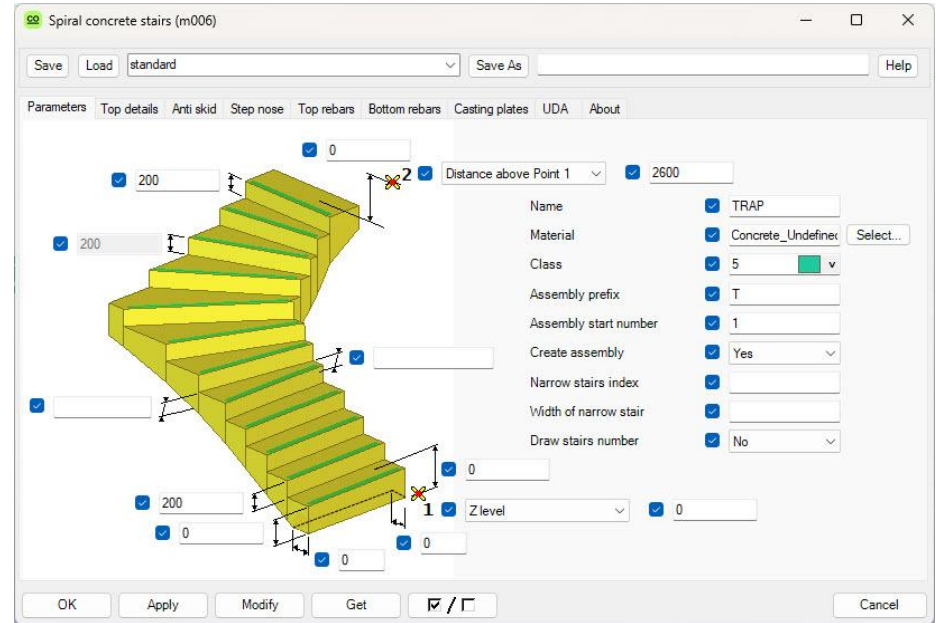
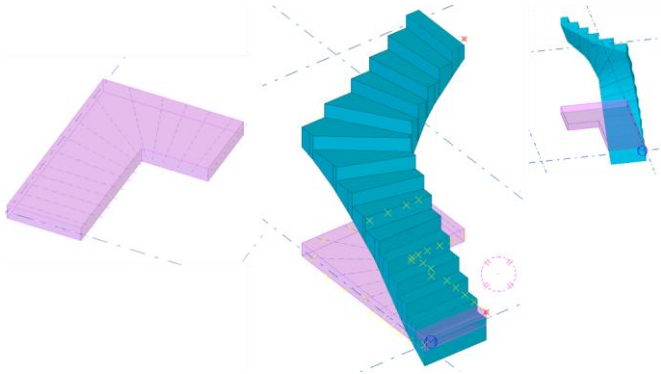
☒ / ☐

Cancel

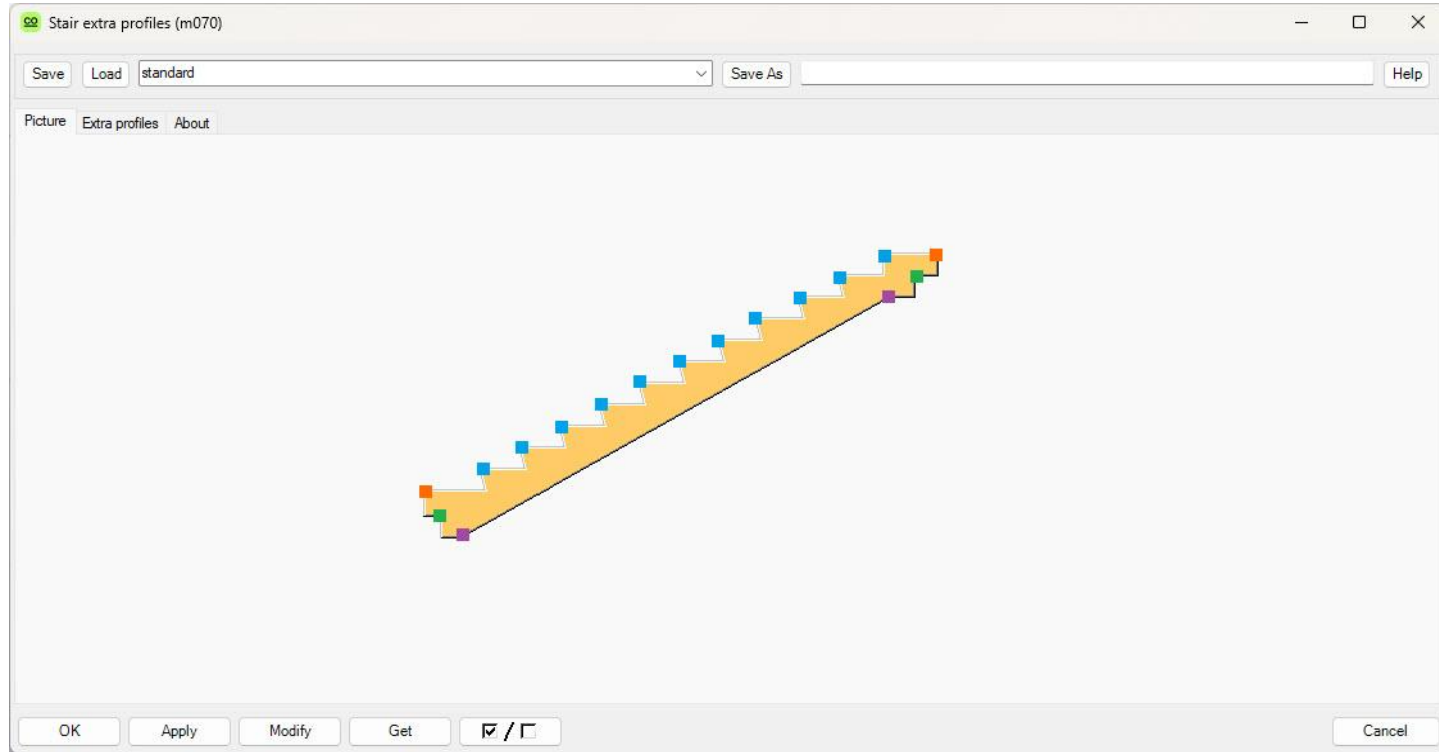


Spiral Concrete Stair (m006)

- First model construction lines on the 'base' (= contour plate) of the stair tread lines and click on it while placing the plug-in.

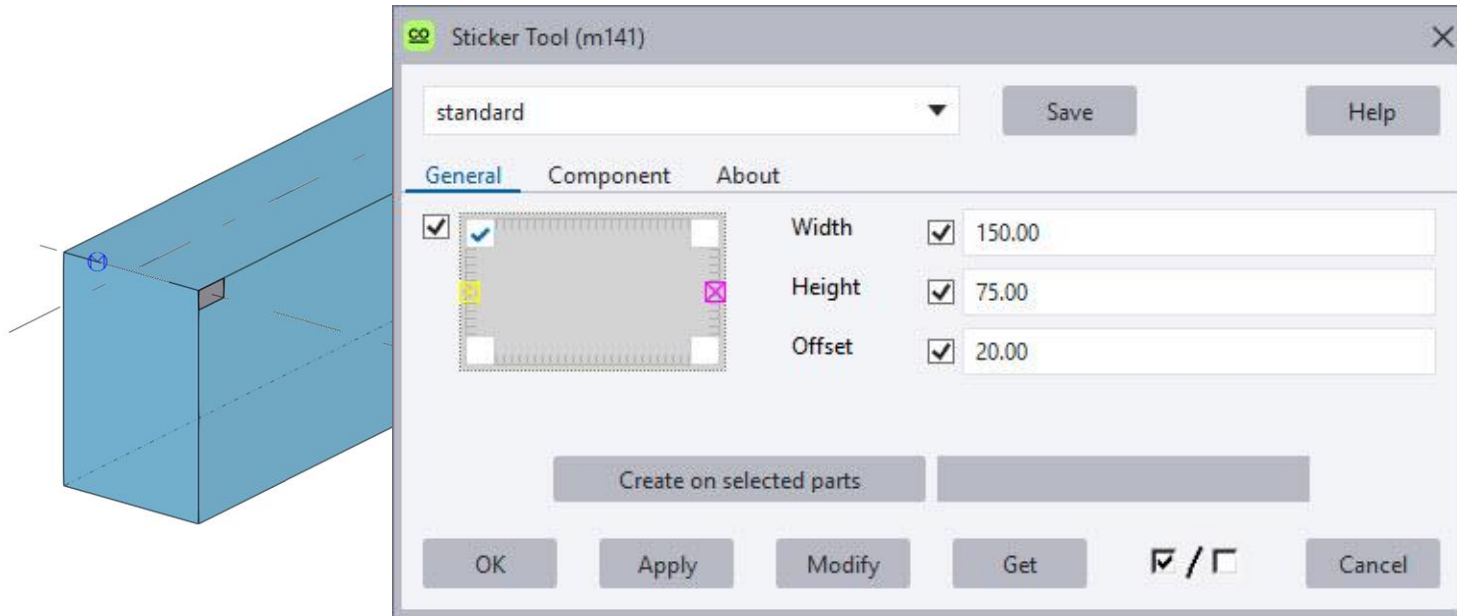


Stair extra profiles (m070)



Sticker tool (m141)

- Place sticker on selected part.



Investigating cuts and niches (m034)

Investigating cuts and niches (m034)

Save Load standard Save As Help

Settings Dimensions UDA About

Chamfer

Name ☒ chamfer

Class ☒ 3

Profile ☒ 10*10 ...

Material ☒ S235J0 ...

Length ☒ 50.00

Pos No ☒ C ☒ 1

Ass No ☒ C ☒ 1

Comment ☒ CHAMFER

Filter ☒ standard

Notch

Name ☒ notch

Class ☒ 4

Profile ☒ 30*30 ...

Material ☒ S235J0 ...

Length ☒ 50.00

Pos No ☒ N ☒ 1

Ass No ☒ N ☒ 1

Comment ☒ NOTCH

Filter ☒ standard

Narrowing

Name ☒ narrowing

Class ☒ 5

Profile ☒ 10*10 ...

Material ☒ S235J0 ...

Length ☒ 50.00

Pos No ☒ NA ☒ 1

Ass No ☒ NA ☒ 1

Comment ☒ NARROWING

Filter ☒ standard

Add parts by ☒ Sub-Assembly

Filter on selected object ☒ standard

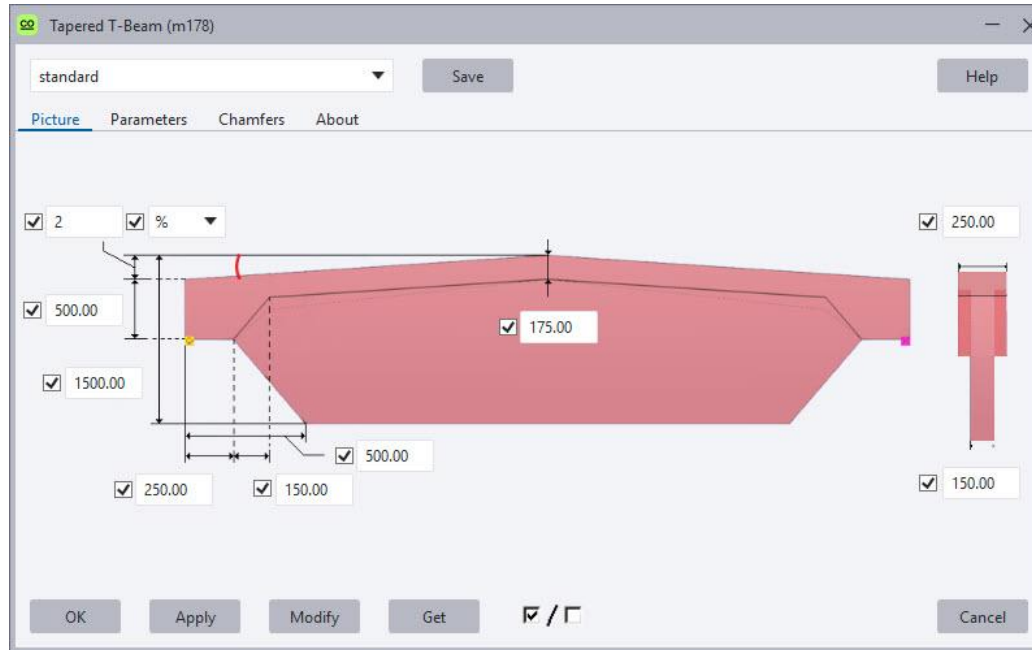
Create on selected objects

OK Apply Modify Get ☒ / ☐ Cancel



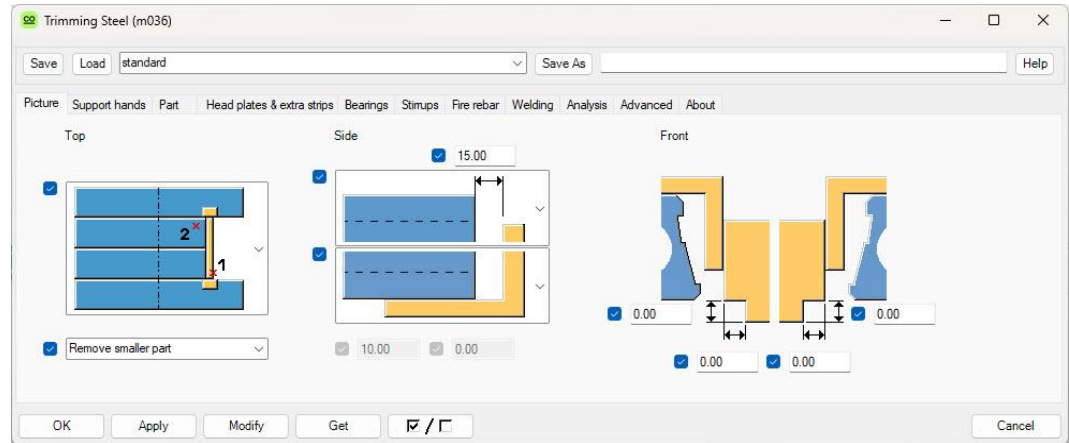
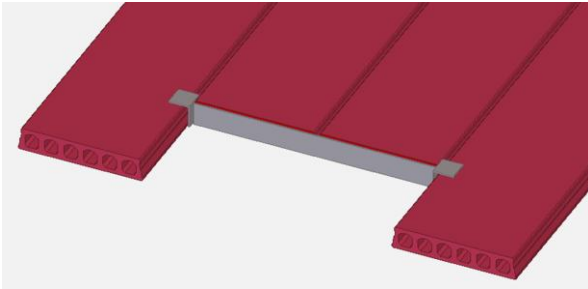
Tapered T-beam (m178)

- Creates a precast concrete saddle truss beam with T-shaped cross-section.



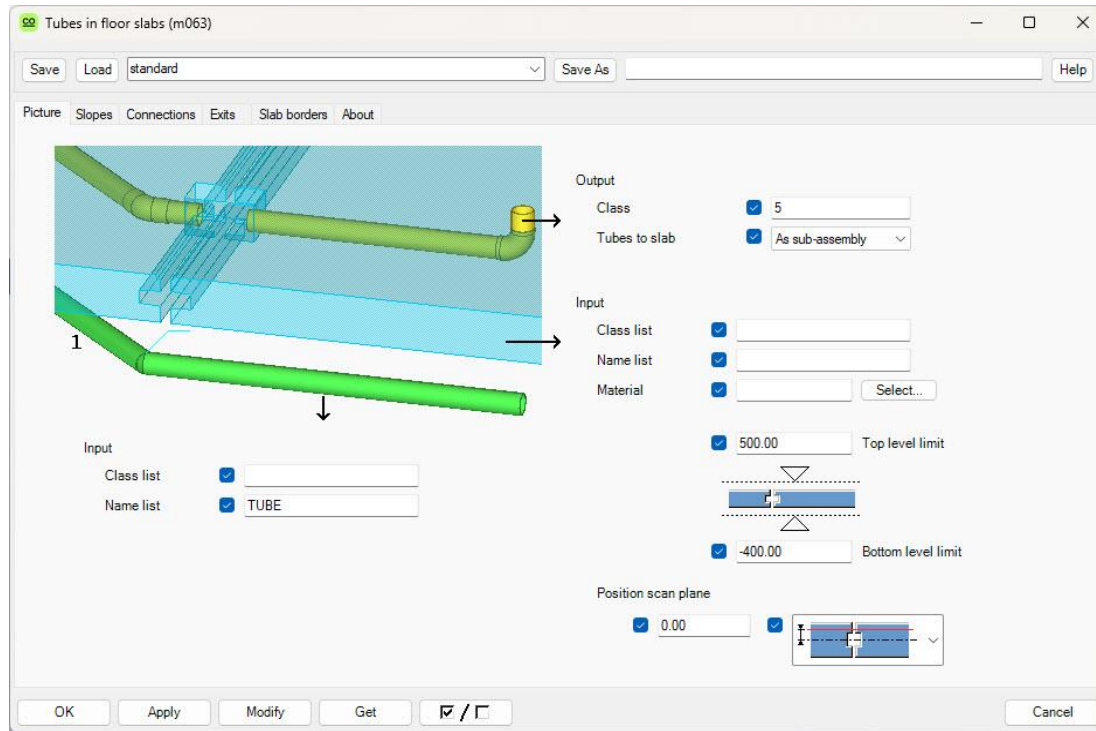
Trimming steel (m036)

- Select the parts (at least 3), close with middle mouse button. Then click a point where the trimmer iron should be placed.



Tubes in floor slabs (m063)

- Places tubes in floors.



Wall Slab Connection (m062)

- This plugin uses the following custom components (..\components_sketches\concrete\uel\):
 - Stekeind-gebogen
 - UITSPARING_KANAALPLAAT (D13)

