Construsoft Library Tools 2020
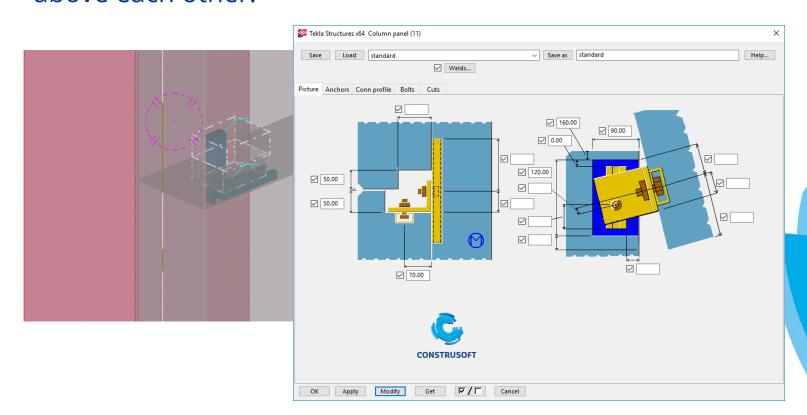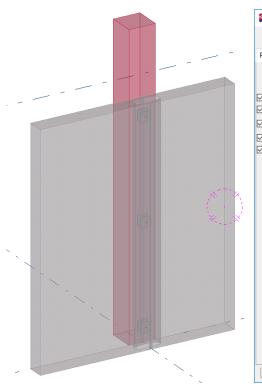
Concrete

Column – panels (11)

> Create a connection between a column and 2 panels above each other.
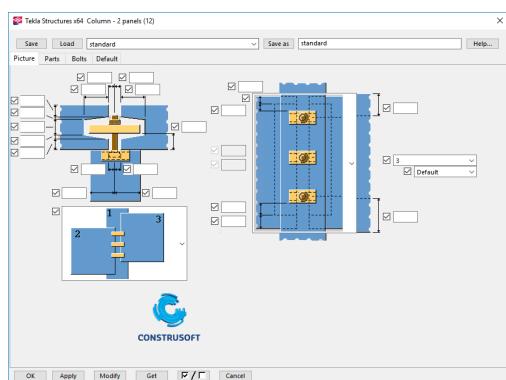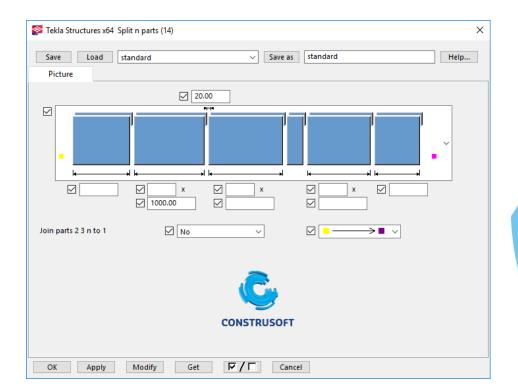
Column – panel (12)

> Create a connection between a columns and 2 panels.

Split multiple parts (14)

> This component can replace an existing wall element for multiple new walls. There is no component created.
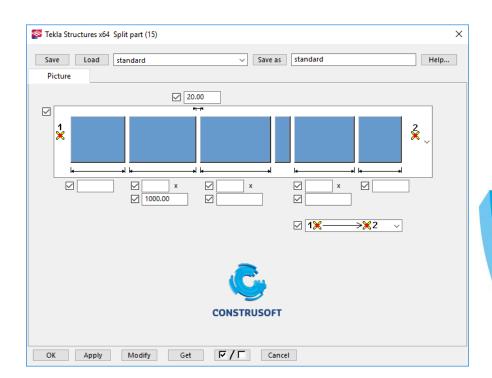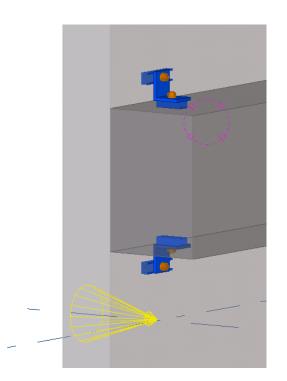
Split part (15)

> This component can replace an existing wall element for multiple new walls. Select part and two points. There is no component created.
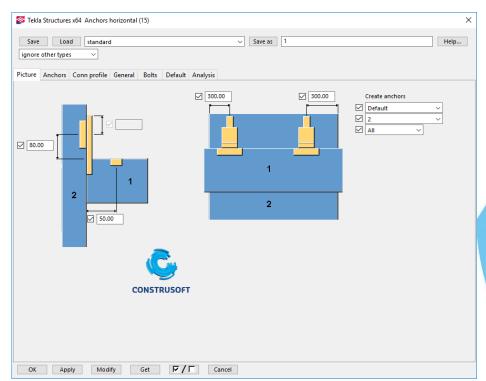
Anchors horizontal (15)
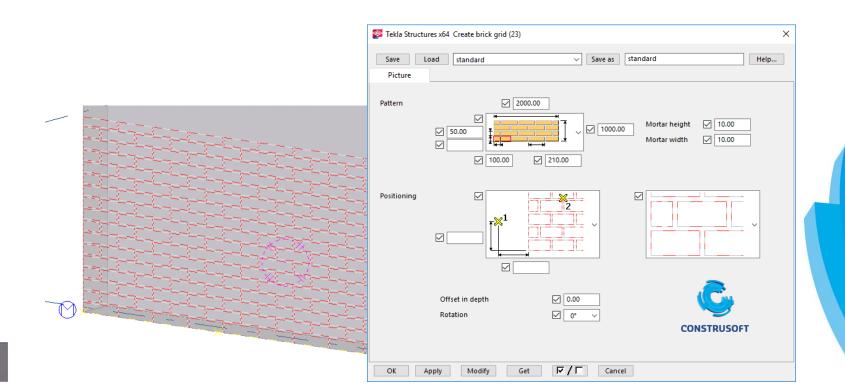
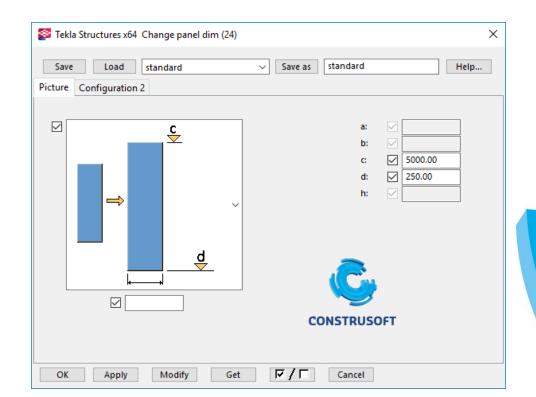> Create anchors between a panel and beam/floor.

Create brick grid (23)

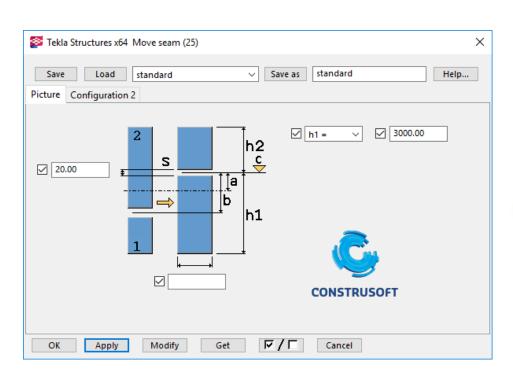> Creates a brick structure on a object.

Change panel dim (24)

> This component can replace an existing wall element for a new wall element with different dimensions.
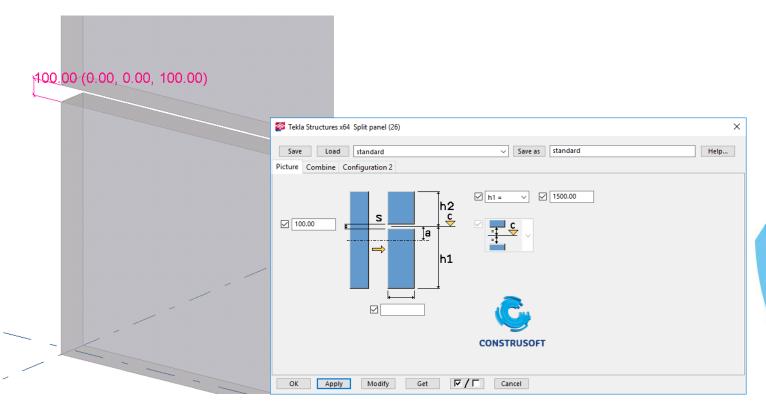
Move seam (25)

> Create a seam between 2 wall elements above each other. Height of the walls can be changed also. There is no component created.
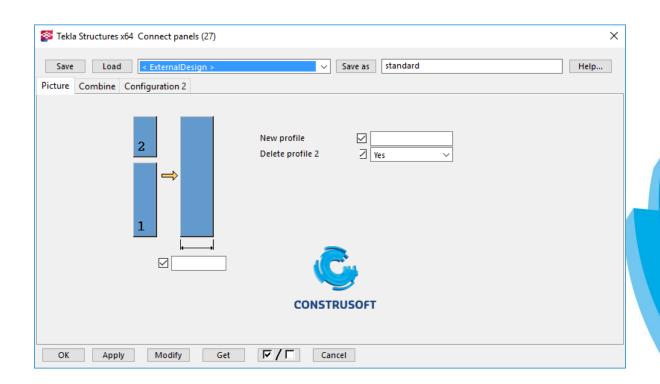
Split panel (26)

> Split 1 panel into 2 panels and define the seam at once. There is no component created.
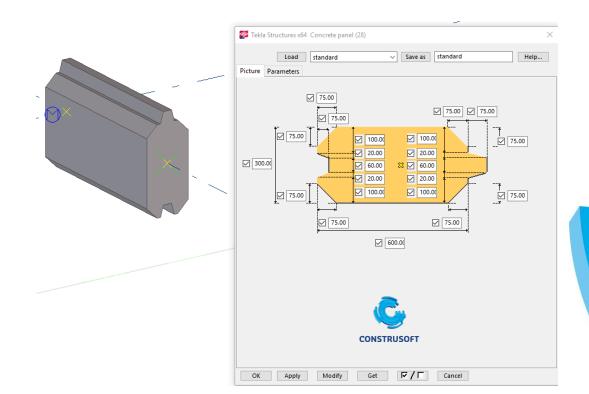
Connect panels (27)

> Creates 1 panel from 2 panels with different extra options for the combined panel. There is no component created.
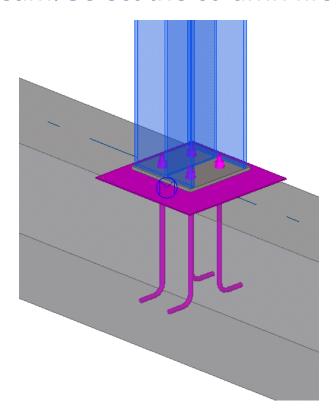
Concrete panel (28)

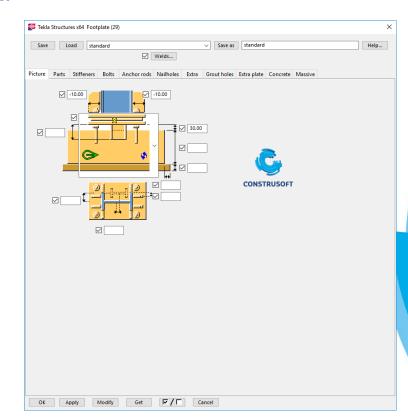> Creates a concrete panel with userdefined settings. New profile is added in the profile catalog.

Footplate (29)

> Creates a footplate between a steel column and concrete beam. Select the column first.
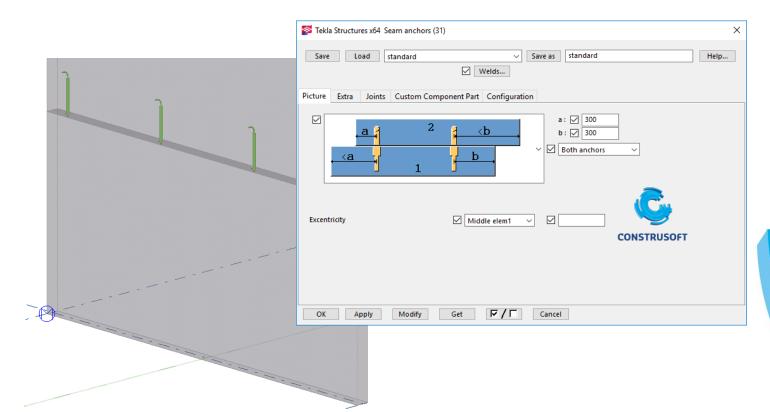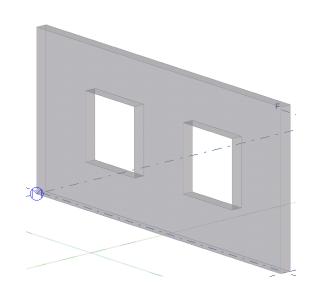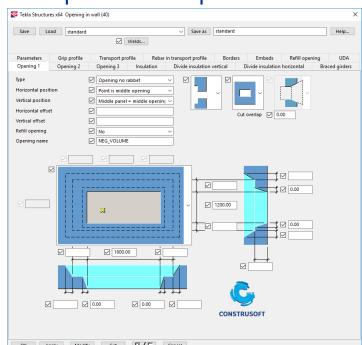
Seam anchors (31)

> 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.
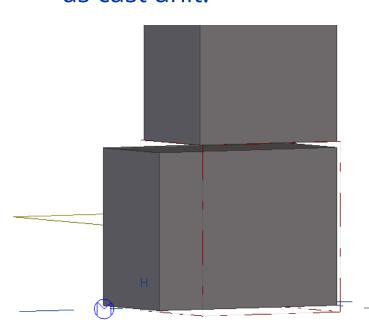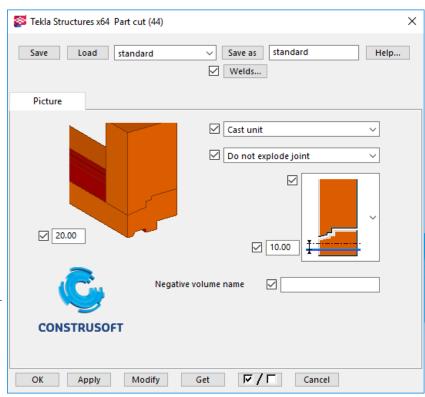
Part cut (44)

> Create a part cut with possible seam. Part can be added as cast unit.

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.
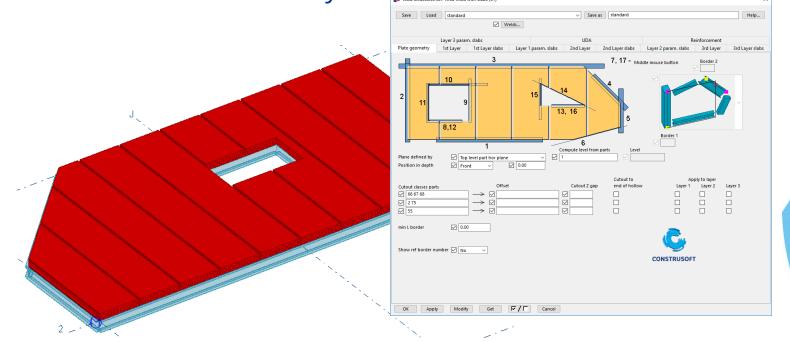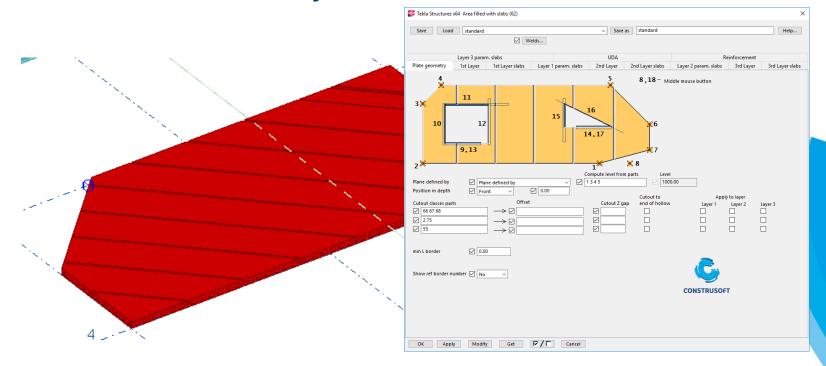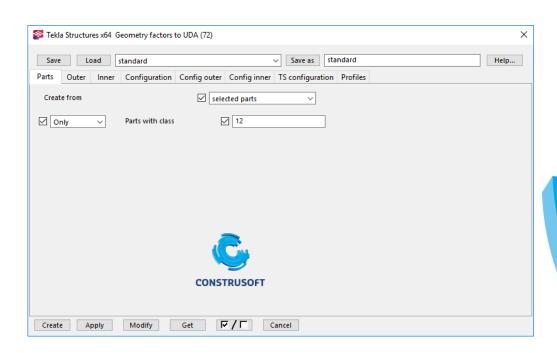
Area filled with slabs (62)

> This component can be used for filling floor areas using slabs, hollowcore floors, but can also be used for adding insulation and finish-layers.
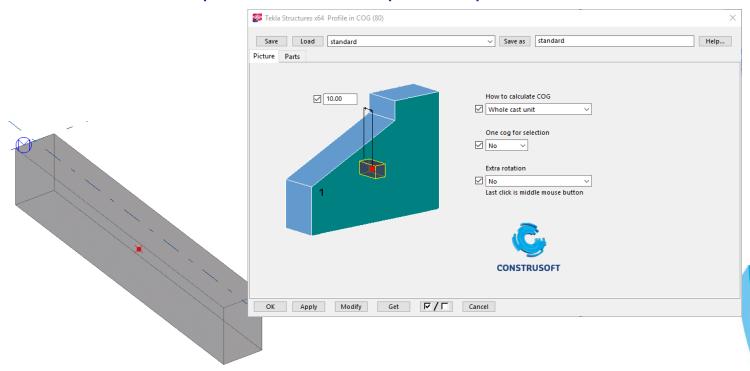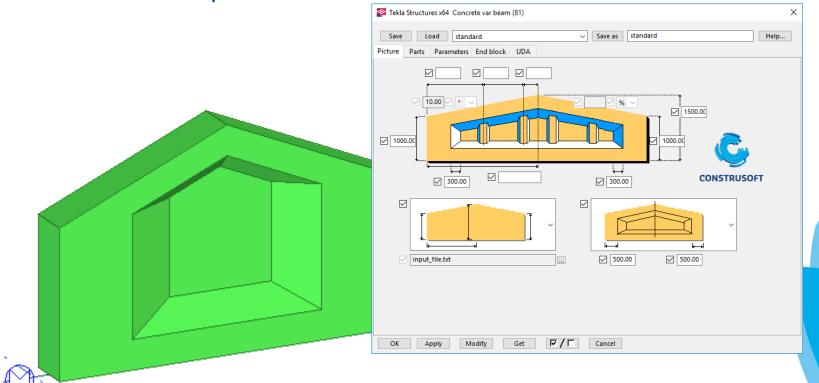
Geometry factors to UDA (72)

Profile in COG (80)

> Shows the COG position in the picked part.

Concrete var beam (81)

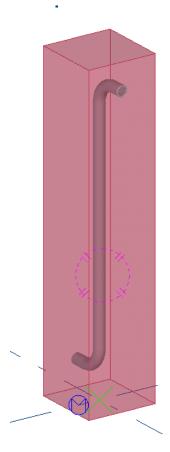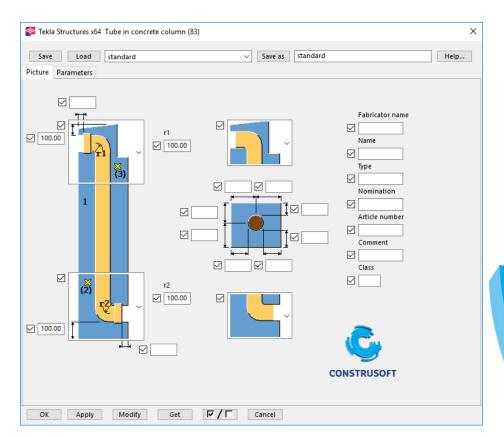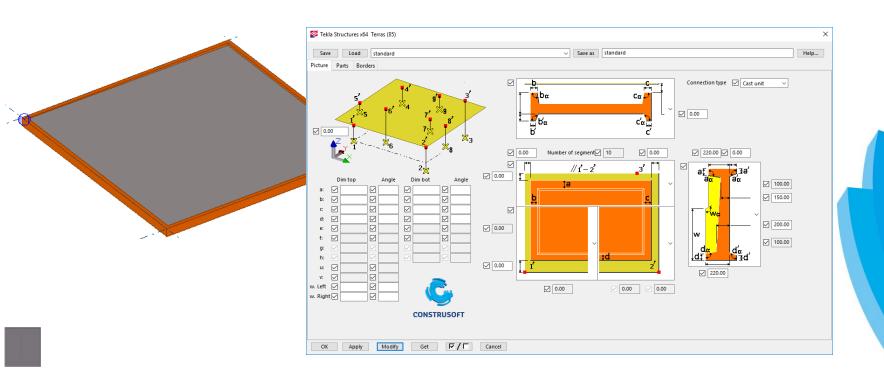> Use this component to create a variable beam.

Tube in concrete column (83)

> Use this component to create a tube in a concrete

Terrace (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:
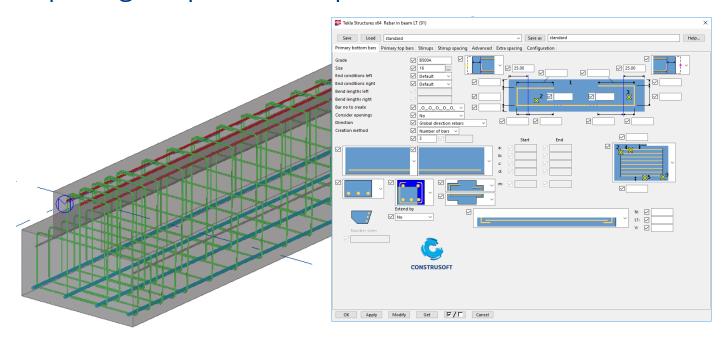
> http://download.construsoft.com/files/nl/Voorbeeldmodel_wapeningcomponenten.zip

Rebar in beam LT (91)

> Create rebar in different concrete beams. For example model with all rebar components see download:

> http://download.construsoft.com/files/nl/Voorbeeldmodel_wapeningcomponenten.zip
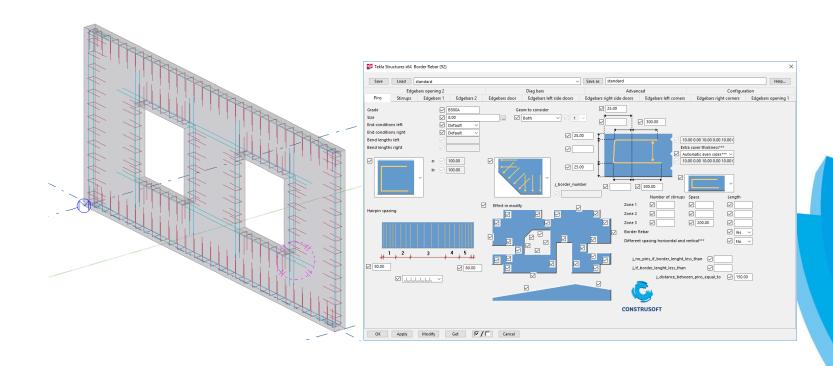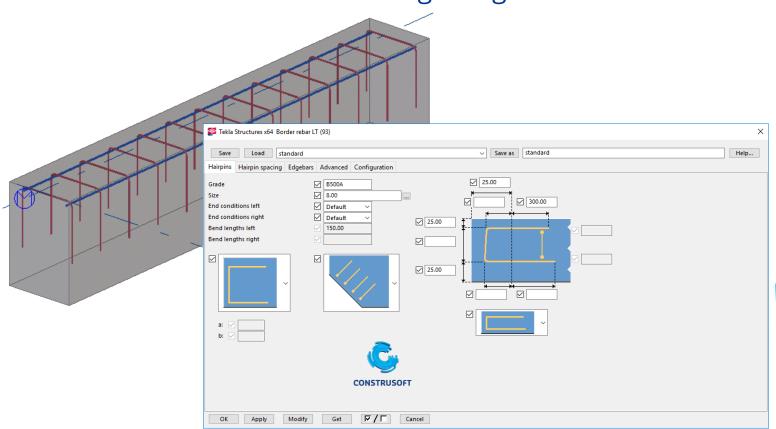
Border rebar (92)

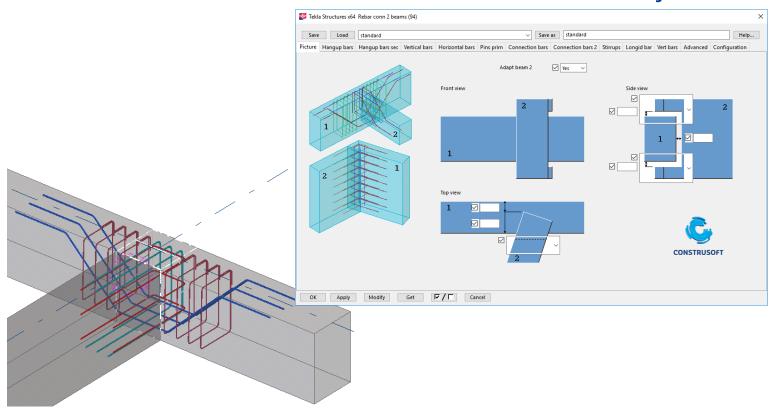> **>** Creates border rebars

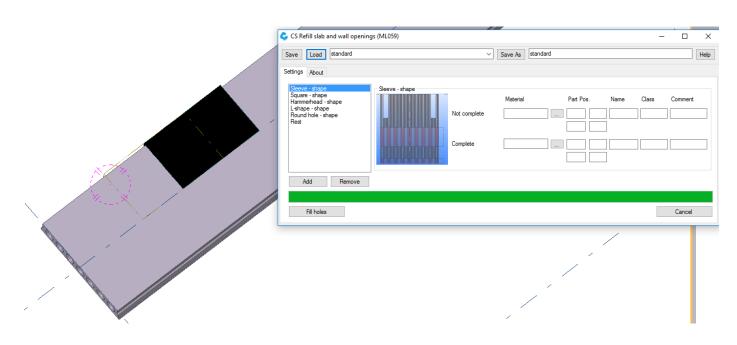# Border rebar for single edge (93)

> Creates border rebars on a single edge.

Rebar conn 2 beams (94)

> Creates rebar connection between 2 concrete objects.

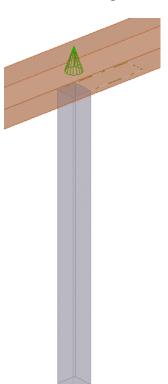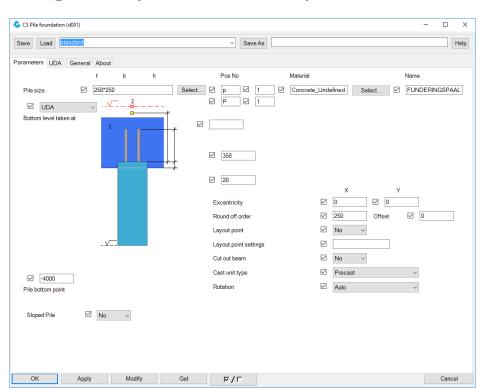# ML059 – Refill slab and wall openings

> Fill openings in slabs and walls.

Pile foundation (d001)

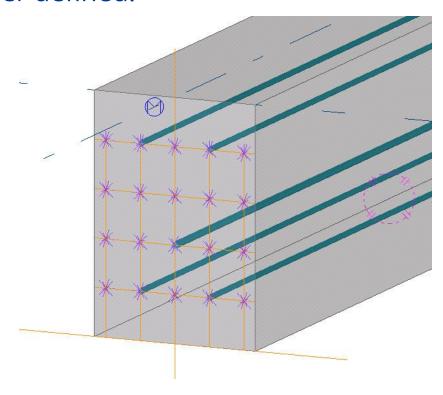> Placed by selecting mainpart and one point.

Prestressed cables in Concrete beam (m005)

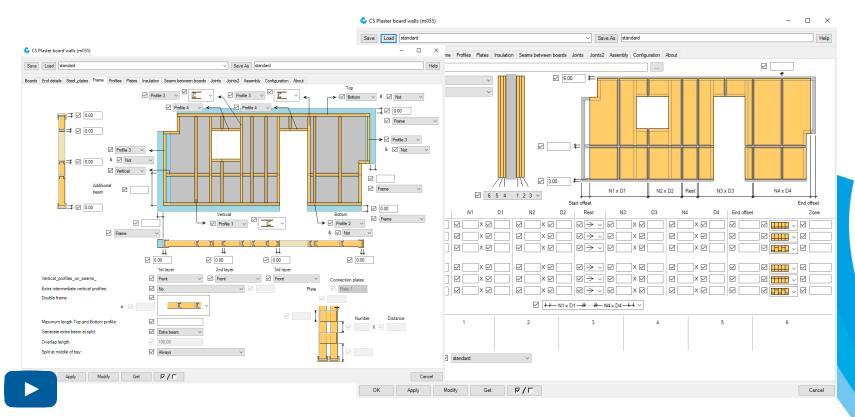> Places Prestressing reinforcement in a matrix which can be user defined.

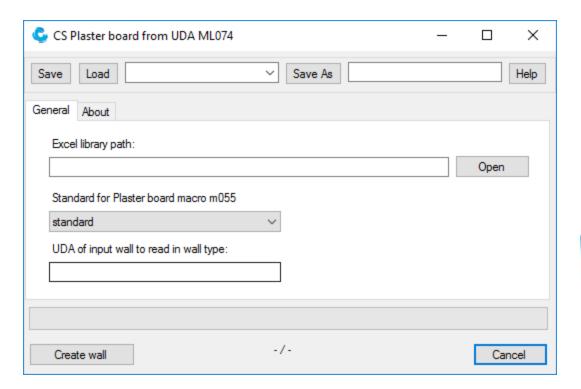# Plaster boards on walls (m055)

> Scans the contour of a wall and places profiles and plates in the exact contour of the wall.
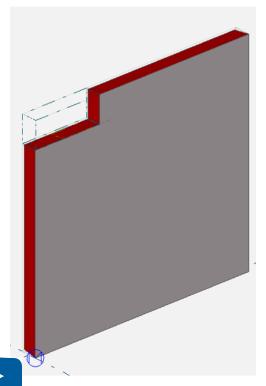
ML074 – CS Plaster Board

> Use this macro in combination with plugin m055 to generate the plugin on all the walls in the model.

Bevel tool (m008)
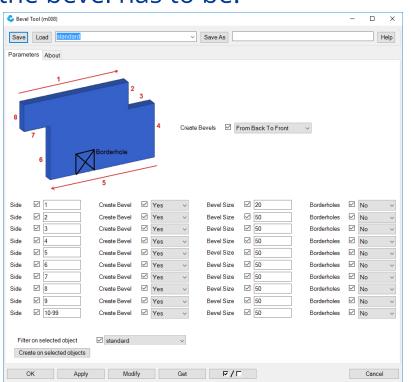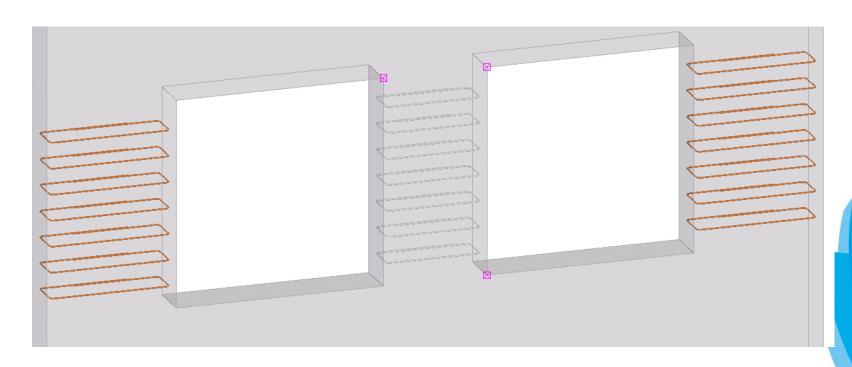
> Placement by selecting the Main part.

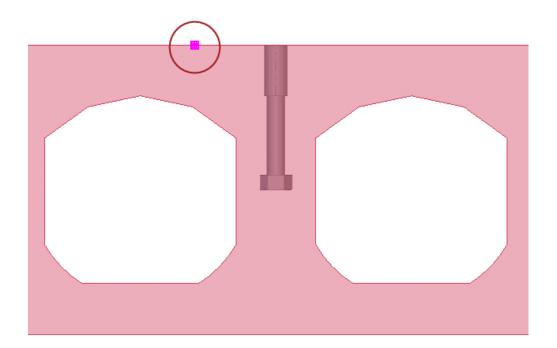> Choose on which side (s) the bevel has to be.

Wall reinforcement (m017)

> Make reinforcement in different 'zones' in walls.
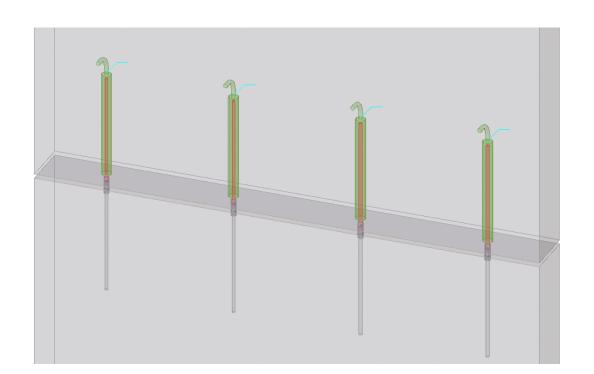
Hollowcore Embeds (m020)

> Regardless of the insertion point the component part is placed in the rib or in the middle of the channel.
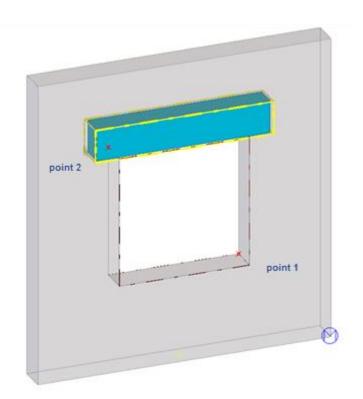
Seam Anchors (m031)

> Select 2 walls to place.

> Uses custom components. Can be set on tabpage CuCoPa

Brick wall opening (m032)

> Select part and 2 points to place.

Brick Wall Splitting (m033)
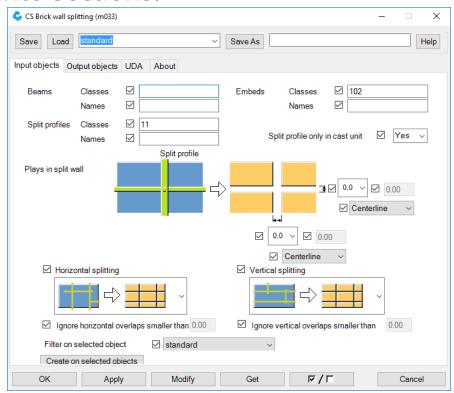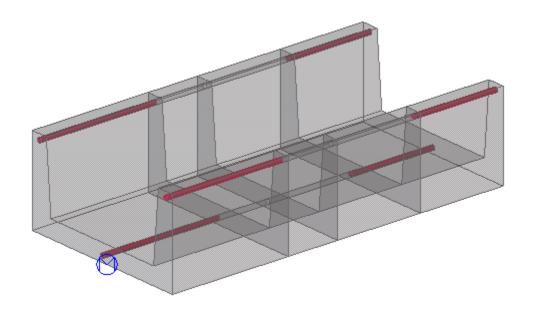
> New masonry walls can be generated with this tools which can be divided into sections.
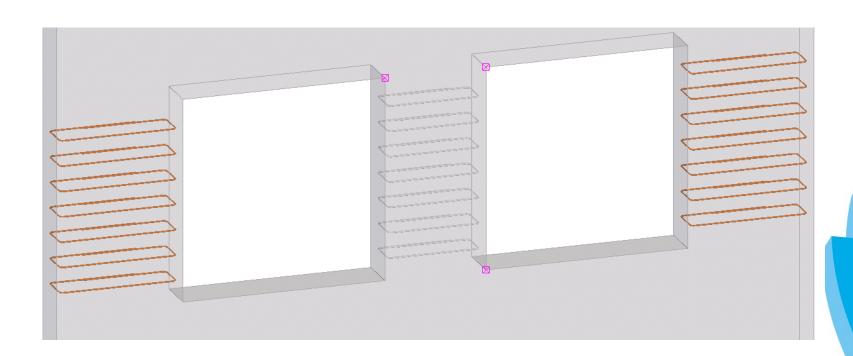
Connection tubes (m037)

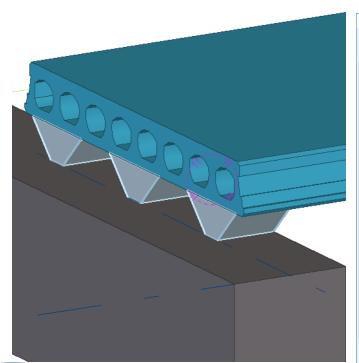> To link several prefabricated parts with tube / recesses .

Rebars in wall Simplified (m057)

> Make reinforcement in different 'zones' in walls.
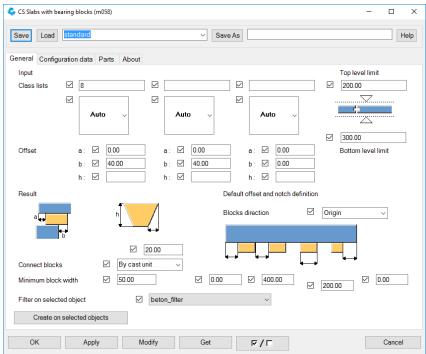
Bearing blocks on slabs (m058)

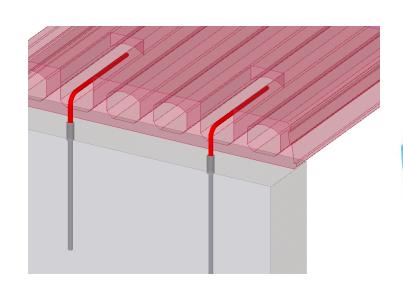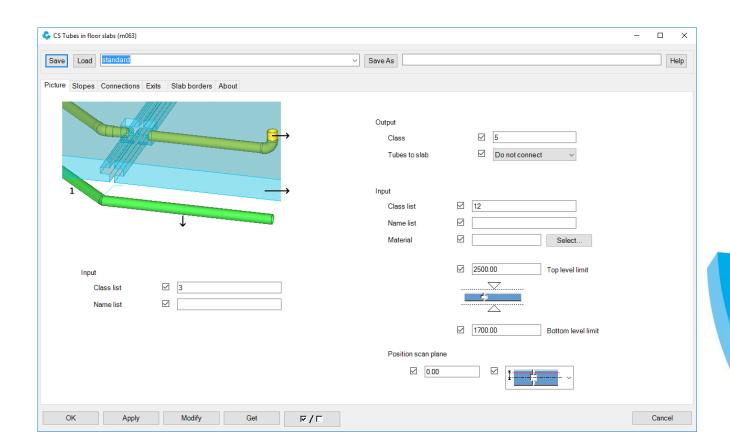> Creates bearing blocks on slabs

Wall Slab Connection (m062)

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

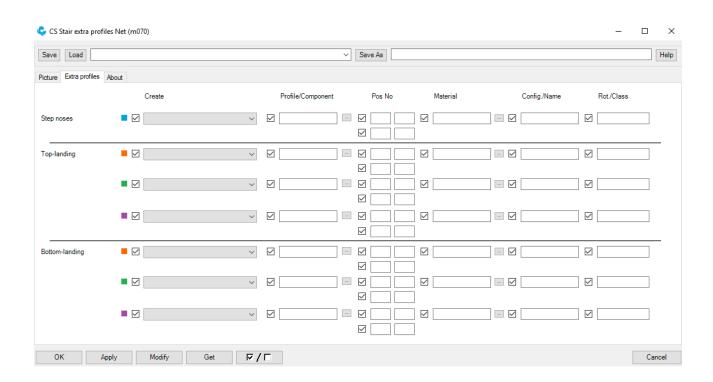# Tubes in floor slabs (m063)

> **Places tubes in floors.**

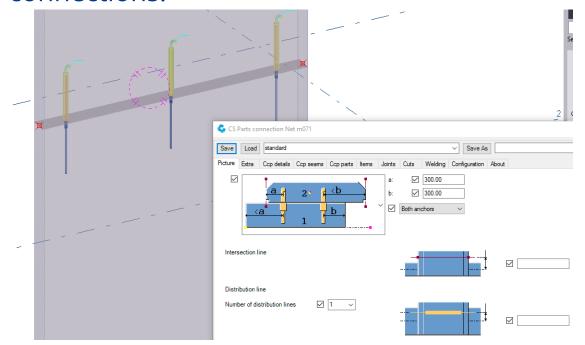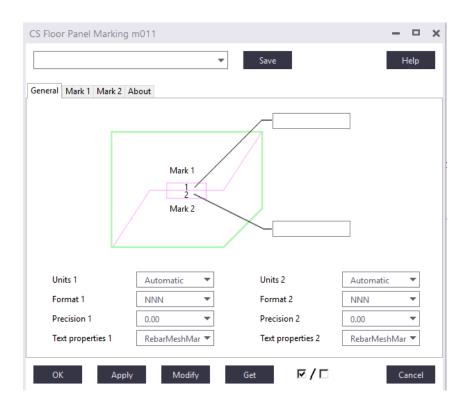# Stair extra profiles (m070)

Parts connection (m071)

> Pick two or three parts and end with middle mouse button. Click 2 points. This plugin can create different kinds of connections.
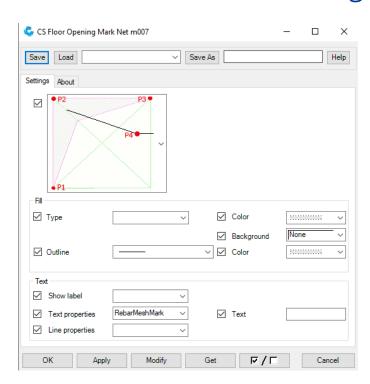
Floor panel marking (m011)

> Dimension openings on General drawings.

Floor Opening mark (m007)

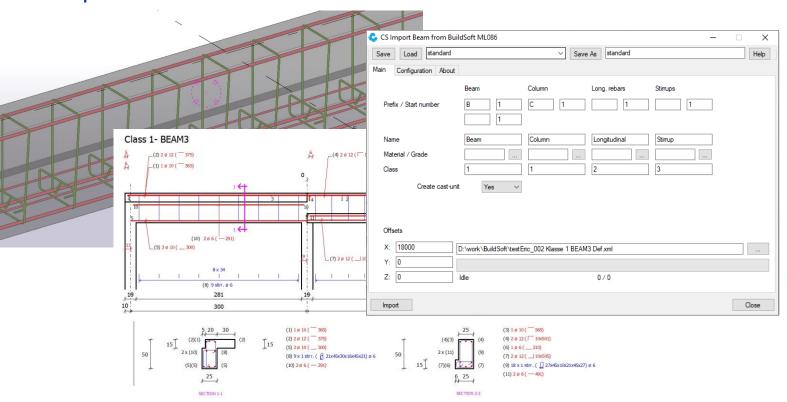> Creates a circle or rectangular opening mark.

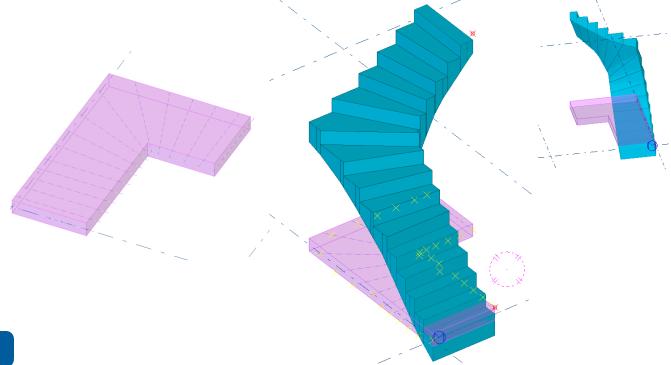# ML086 – Import Beam from BuildSoft

> Import concrete beams and reinforcement from BuildSoft
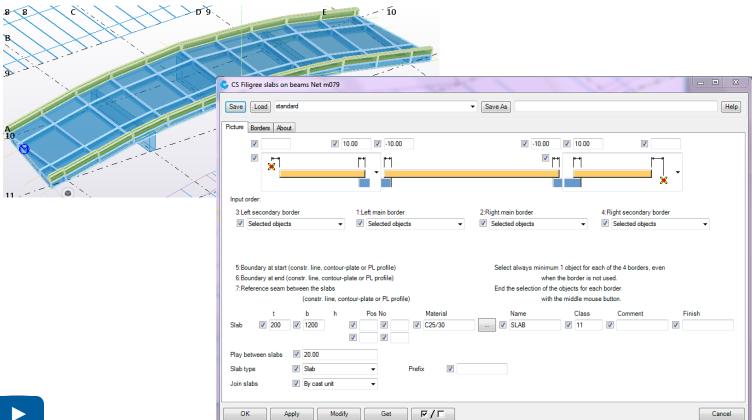
Spiral Concrete Stair (m006)

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

Filigree slabs on beams (m079)
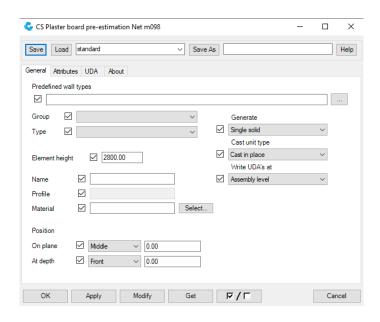
> Create slabs or beam on selected borders objects.
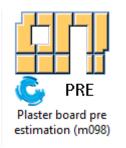
Plaster board pre estimation (m098)

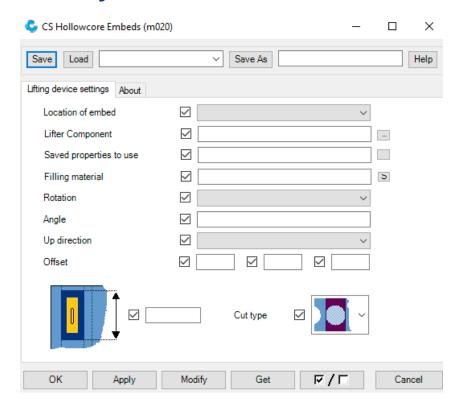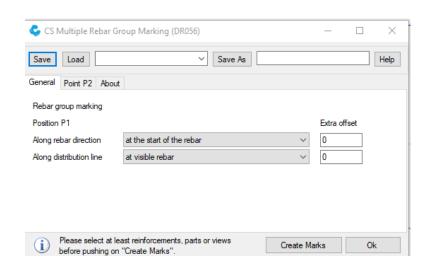> Plaster board pre-estimation creates predefined wall types.

Hollow Core Lifting Tool (m020)

> Let's you choose loctaion of embed and creates it.
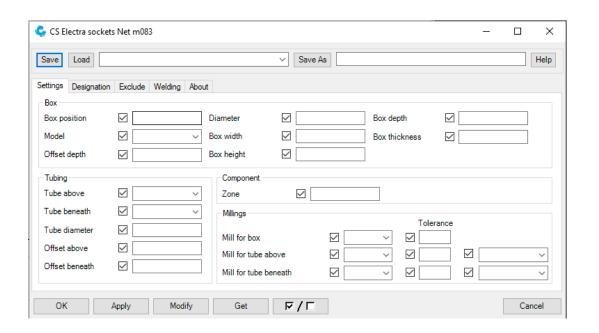
DR056 – Rebar Group Multiple Marking

> Rebar Group Multiple Marking.

Electra Sockets (m083)

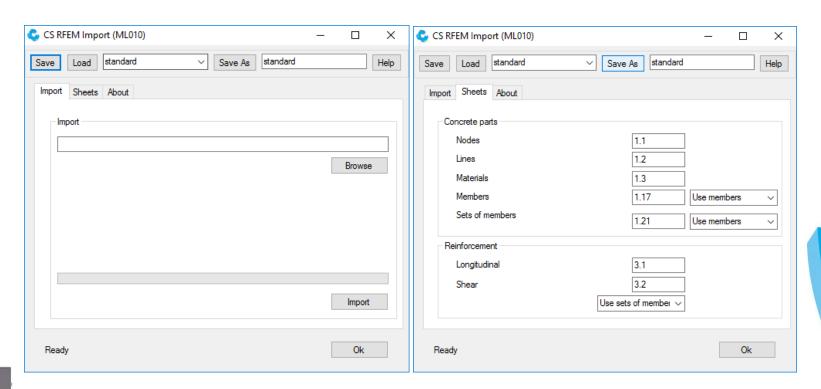> Creates Electra Sockets with welding.

ML010 – RFEM import

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

ML121 – Bricks parameters to UDA
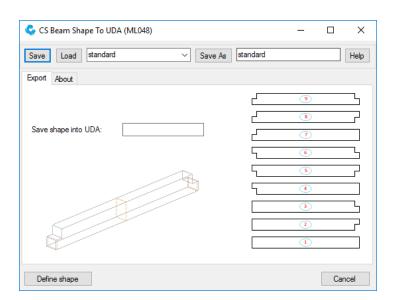
> Copy brick parameters to UDA.


```
More:
Brick_COG_Z                    : 220.00
Brick_COG_Y                    : 3175.00
Brick_COG_X                    : 410.45
angle                          : 180.00
Brick_type                     : 1
```
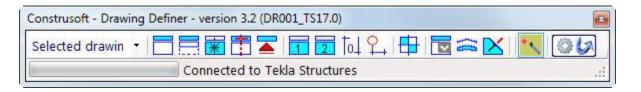
ML048 - Beam Shape to UDA

> 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

DR001 – Drawing Definer

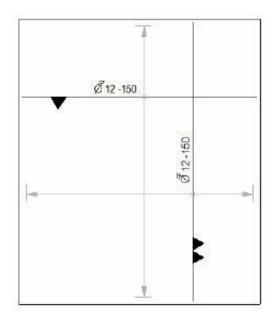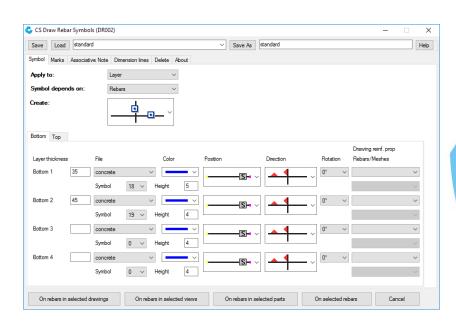> A toolbar with a collection of different drawing tools.

> Most tools insert symbols or dimension lines

> Conditions can be defined to a detailed level

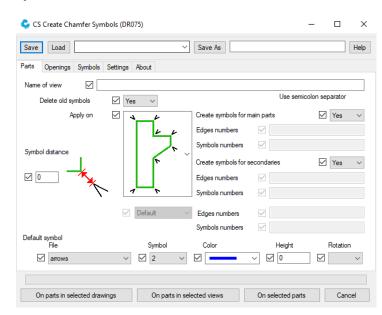> More information: documentation Drawing Definer

DR002 – Draw Rebar Symbols

> Insert symbols and / or (more) associative comments on rebar

> Can be applied to the drawing, view or bar

> Application: Reinforcement Flags (low indication)

DR075 – Create Chamfer Symbols

> Creates symbols on chamfers in drawings as seen in the picture.

Linked Dimensions (m117)

> Dimension selected parts and embeds.