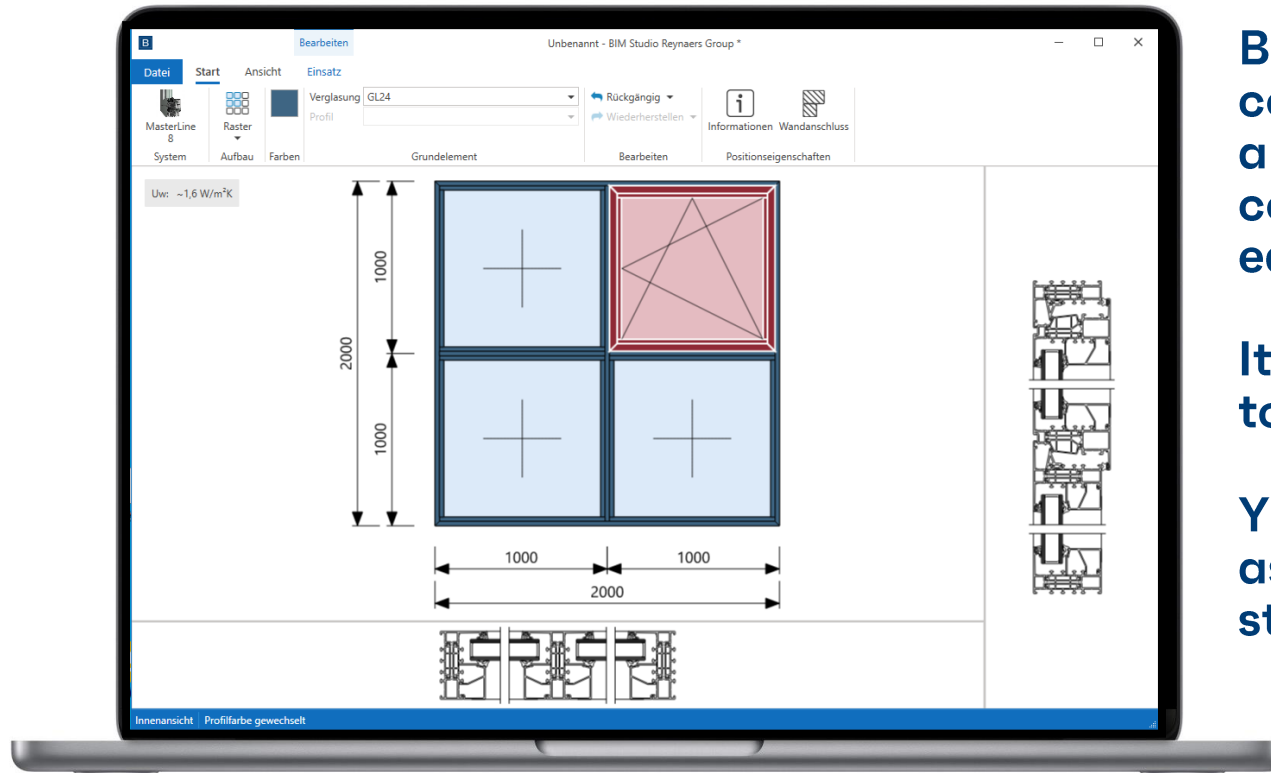




Reynaers
Aluminium

BIM Studio Manual




BIM Studio is our new free configurator for architecture and construction teams to easily create BIM models.

It's simple, fast, and easy to use!

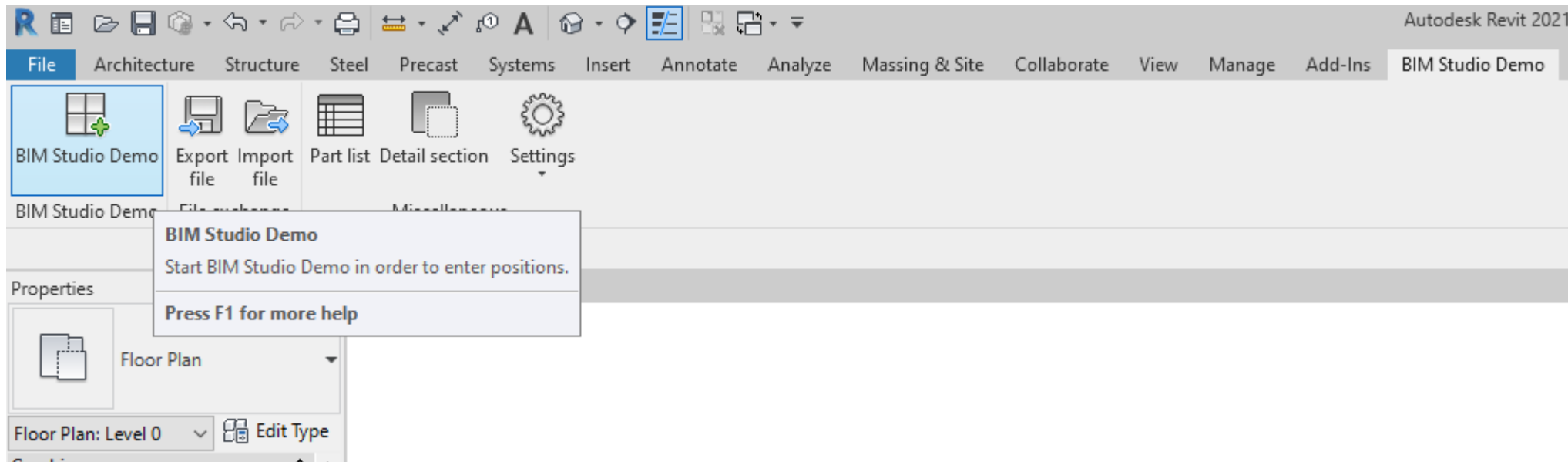
You can use BIM Studio as a Revit plug-in or a standalone application.

First configuration

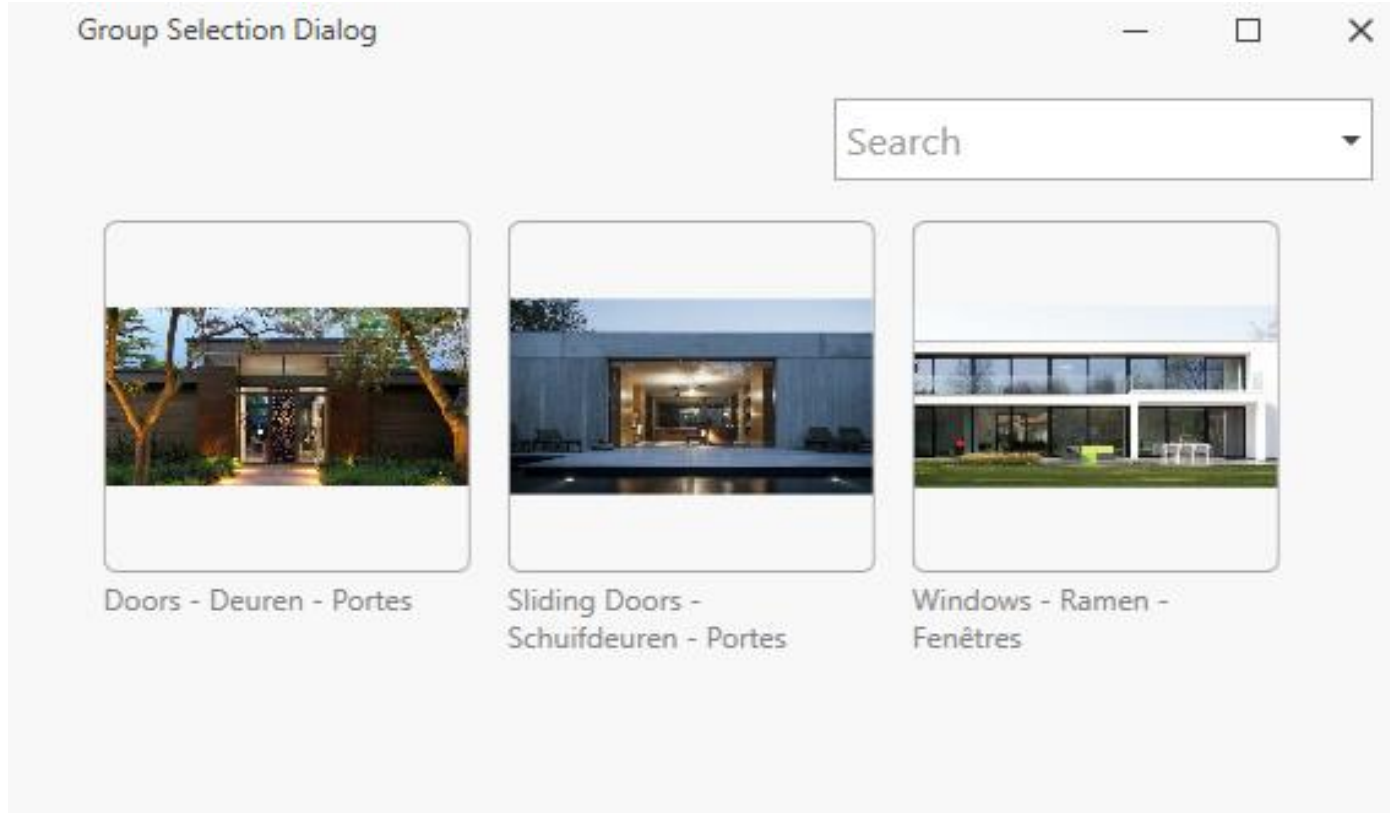
- Navigate to BIM Studio ribbon in Revit, BIM Studio opens.
- Choose from windows/doors/sliding systems.
- Filter which system, design, insulation, etc.
- Enlarge grid manually and numerically
- Enter position turn/tilt etc.. and undo
- Colors
- Glass / Panel and glass thickness
- Profile selection
- Copy/ paste
- Meeting style
- Check , give name, and choose from stand alone / wall based and first parameters
- Import

BIM Studio

01 Open BIM Studio in Revit



02 Group selection dialog: Choose one of tree suites: Doors/windows/sliding systems



03 Suite selection dialog: filter on system, design, insulation, etc.

System - Systeem - Série

- ☐ SlimLine 38 (6)
- ☒ MasterLine 8 (12)
- ☐ MasterLine 10 (4)

Design

- ☐ Classic (2)
- ☐ Slim Line/Steel Look (6)
- ☐ Renaissance (4)
- ☐ Functional (4)
- ☐ Cubic (2)
- ☐ Ferro (2)
- ☐ Deco (4)
- ☐ Hidden Vent - Verborgen Vleugel (4)

Insulation - Isolatie - Isolation

- ☐ Standa(a)rd (7)
- ☐ HI (7)
- ☐ HI+ (8)

Safety Options

- ☐ Burglar Protection (22)

Air-Water-Wind

- ☐ High (19)
- ☐ Medium (3)

Acoustics

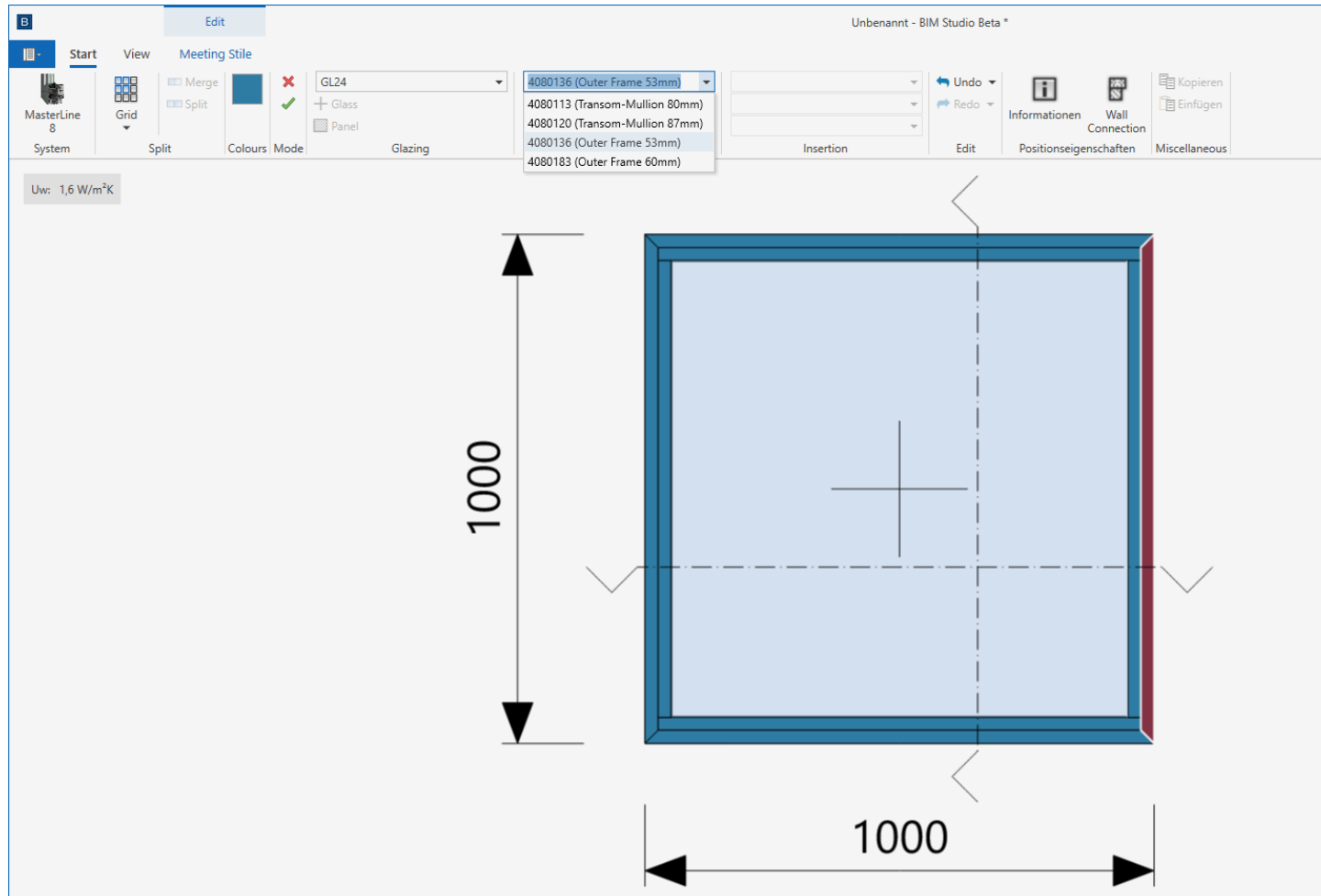
- ☐ Extreme (22)

Suite Selection Dialog

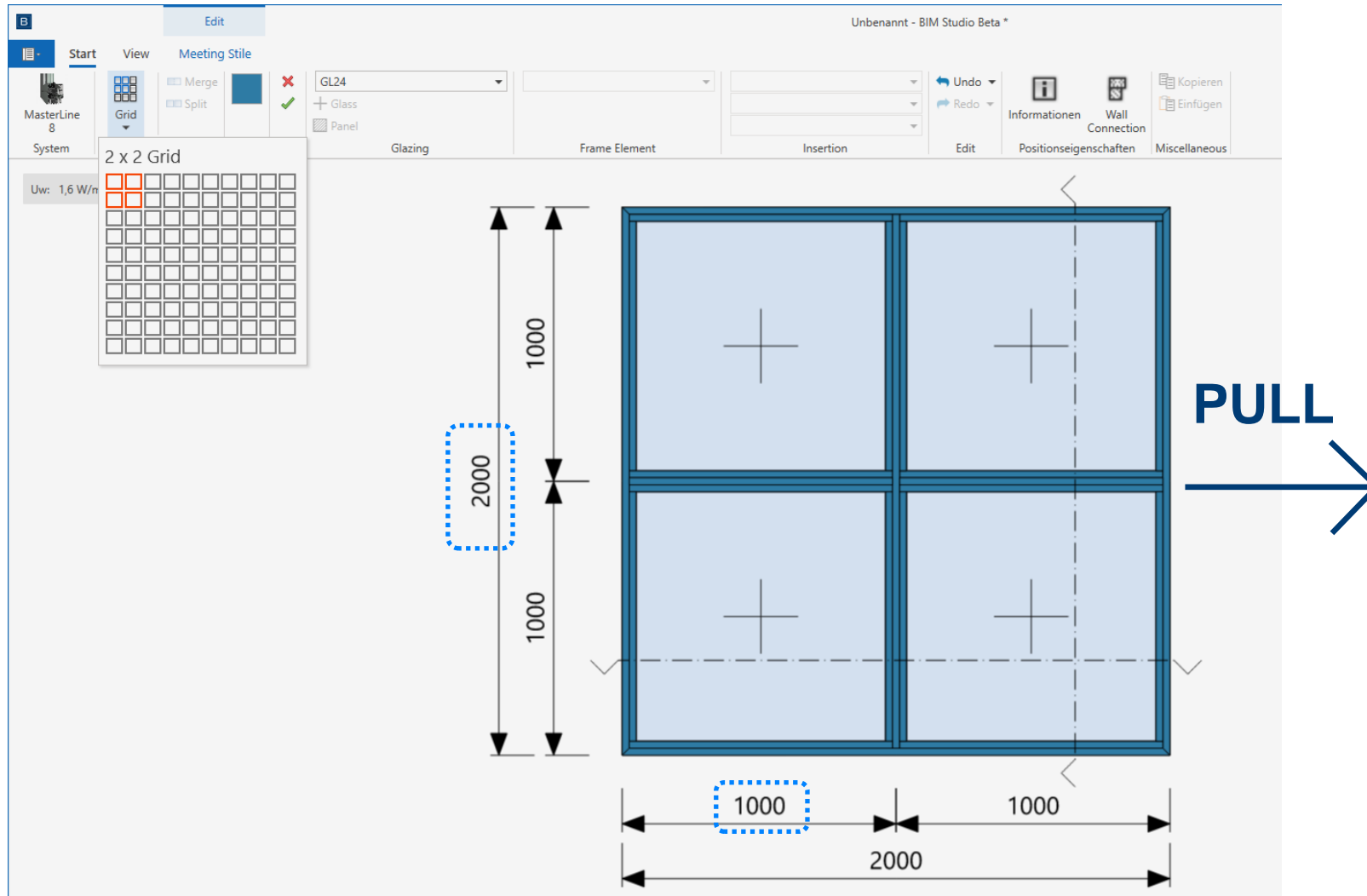
Search

MasterLine 8	MasterLine 8 HI	MasterLine 8 HI+	MasterLine 8 Renaissance	MasterLine 8 Renaissance HI	MasterLine 8 Renaissance HI+
MasterLine 8 Deco	MasterLine 8 Deco HI	MasterLine 8 Deco HI+	MasterLine 8-HV	MasterLine 8-HV HI	MasterLine 8-HV HI+
MasterLine 10 HI+	MasterLine 10 Renaissance HI+	MasterLine 10 Deco HI+	MasterLine 10-HV HI+	SlimLine 38 Classic	SlimLine 38 Classic HI
SlimLine 38 Ferro	SlimLine 38 Ferro HI	SlimLine 38 Cubic	SlimLine 38 Cubic HI		

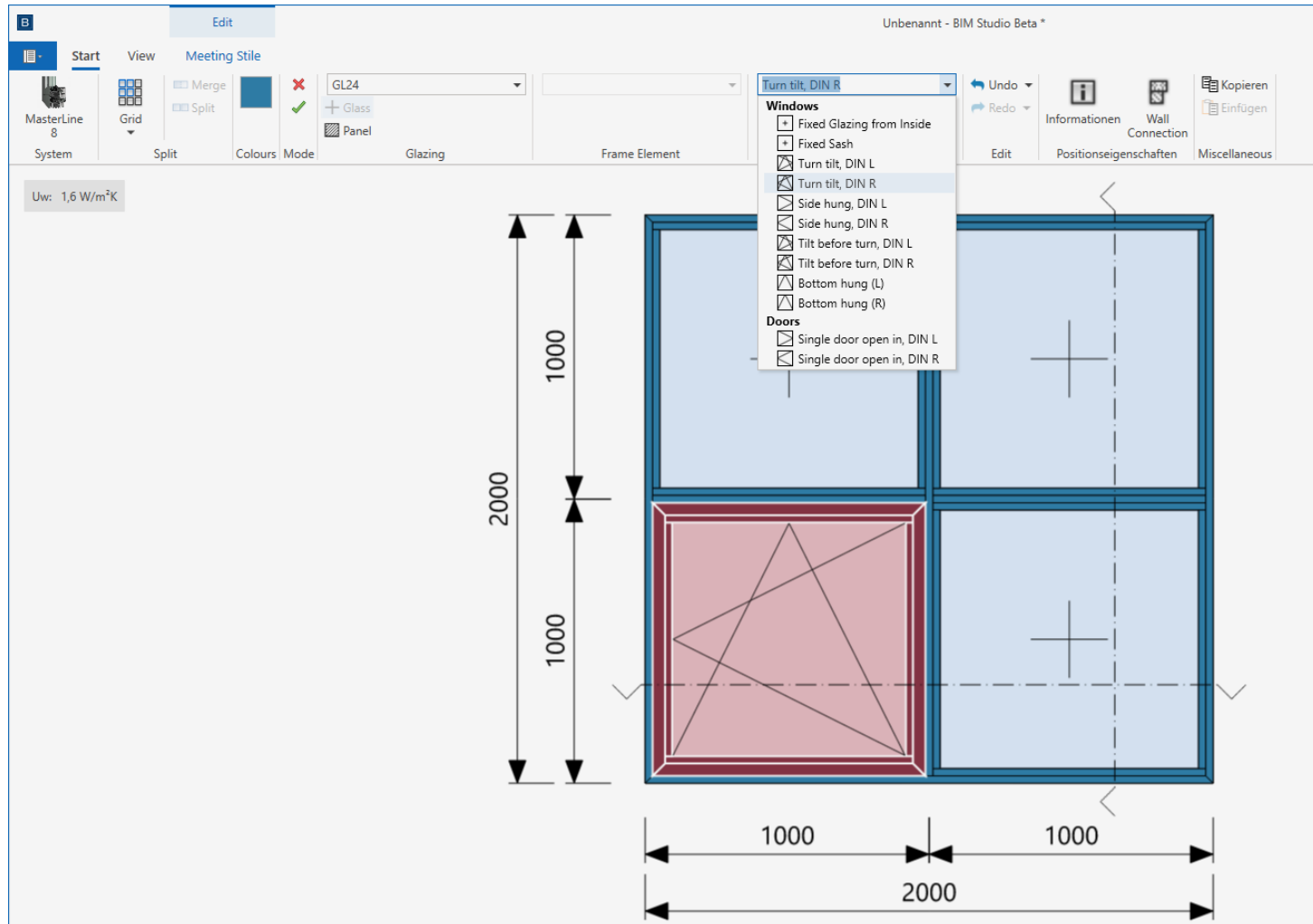
04 Position selection dialog: In this step you can alter the profiles within the system chosen earlier



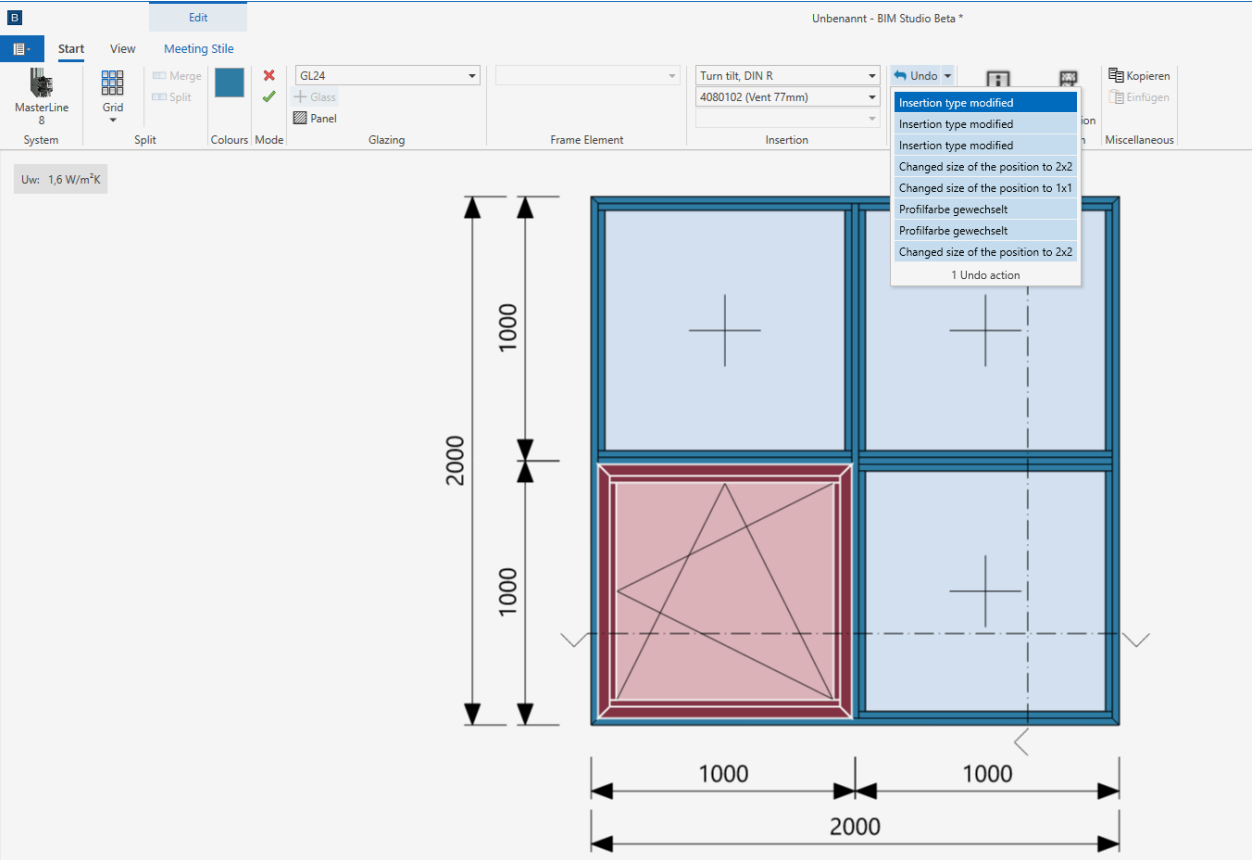
05 Choose your grid and adapt the configuration numerically or graphically



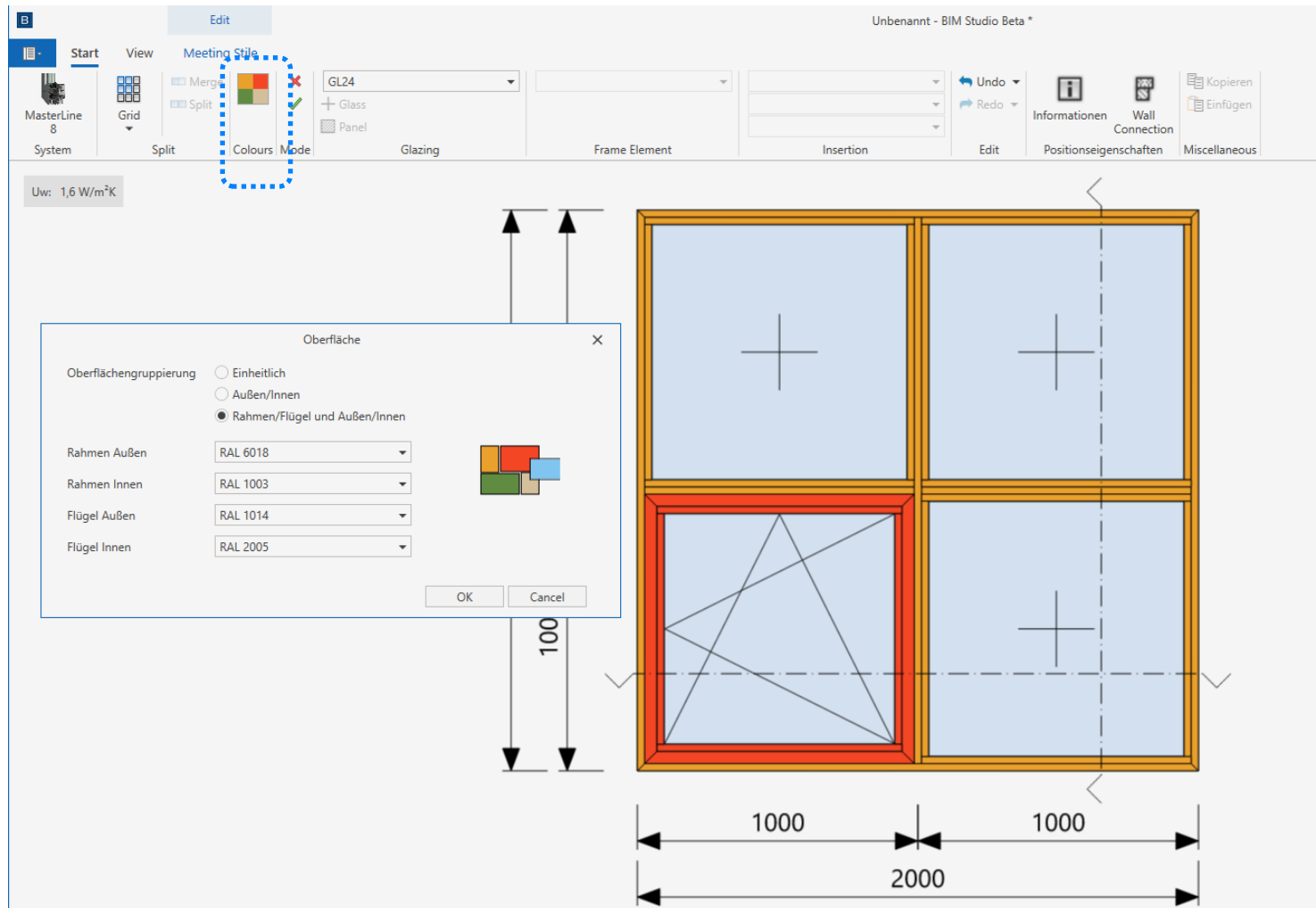
06 Insertion selection: assign turn tilt, fixed, etc. by clicking on a field, the control key can be used to edit several fields at once



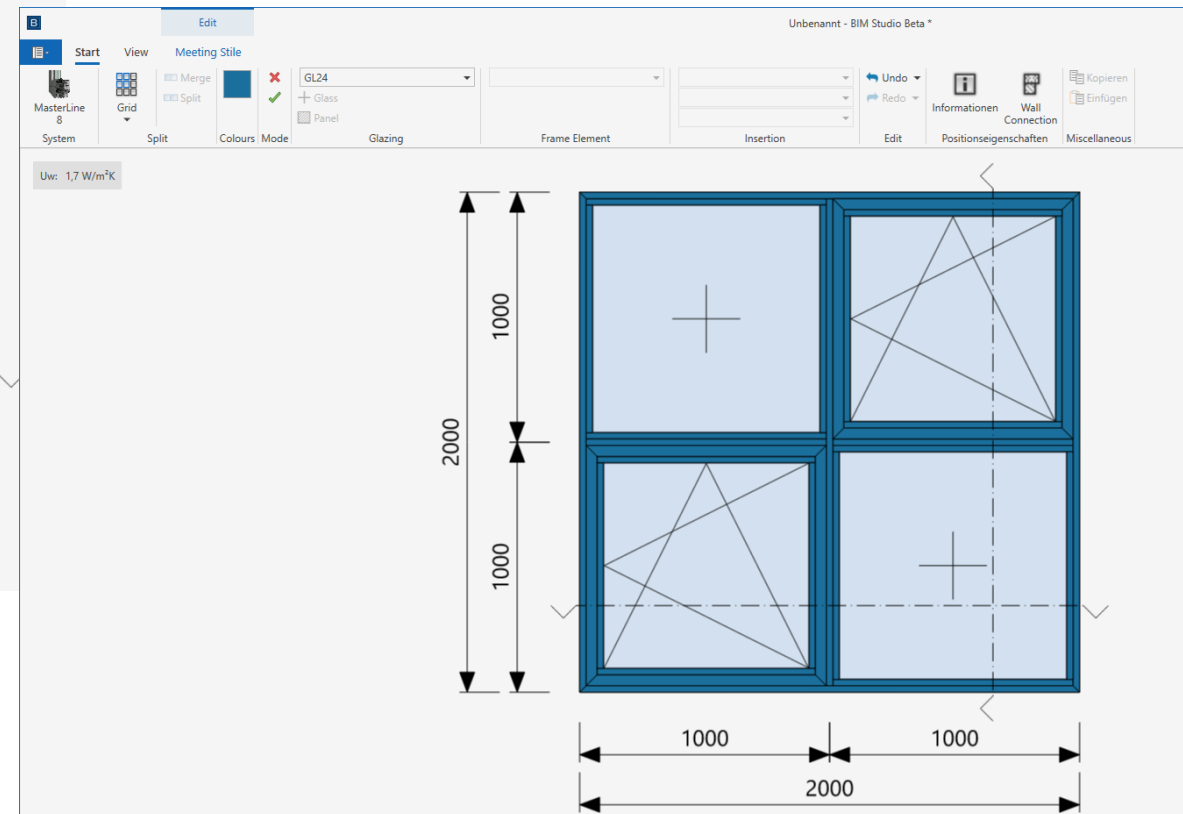
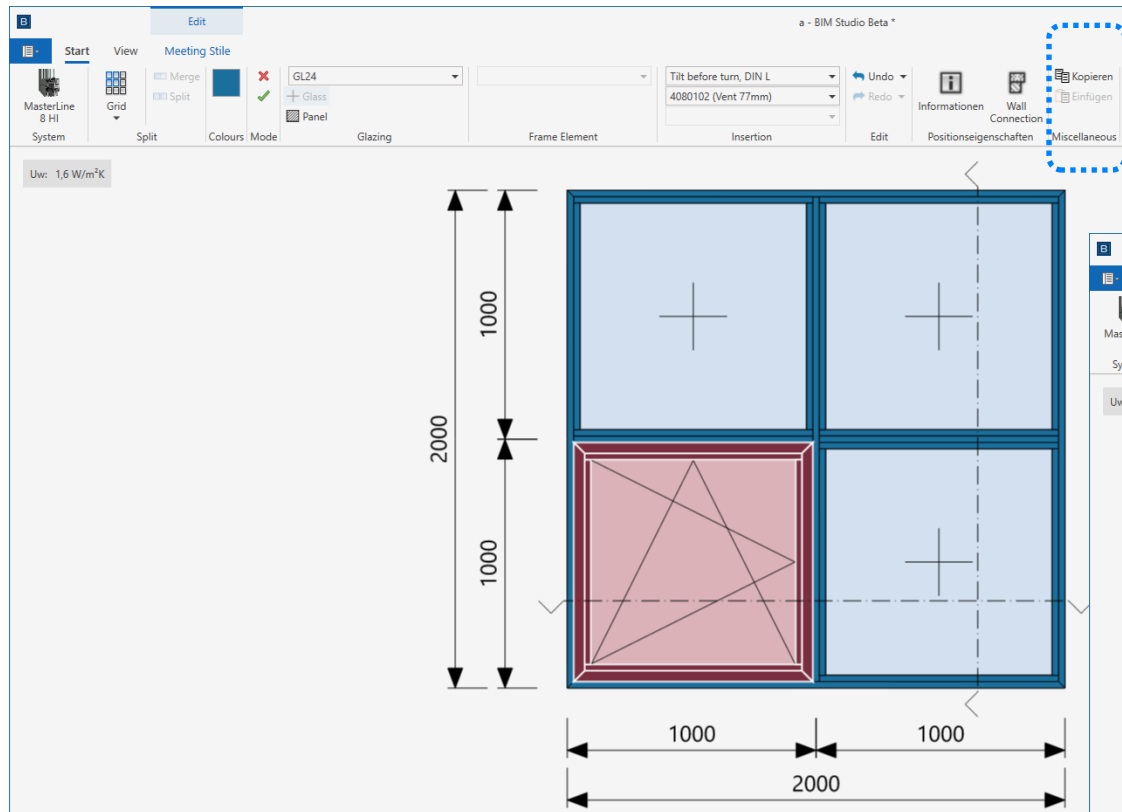
07 Undo & redo button with list



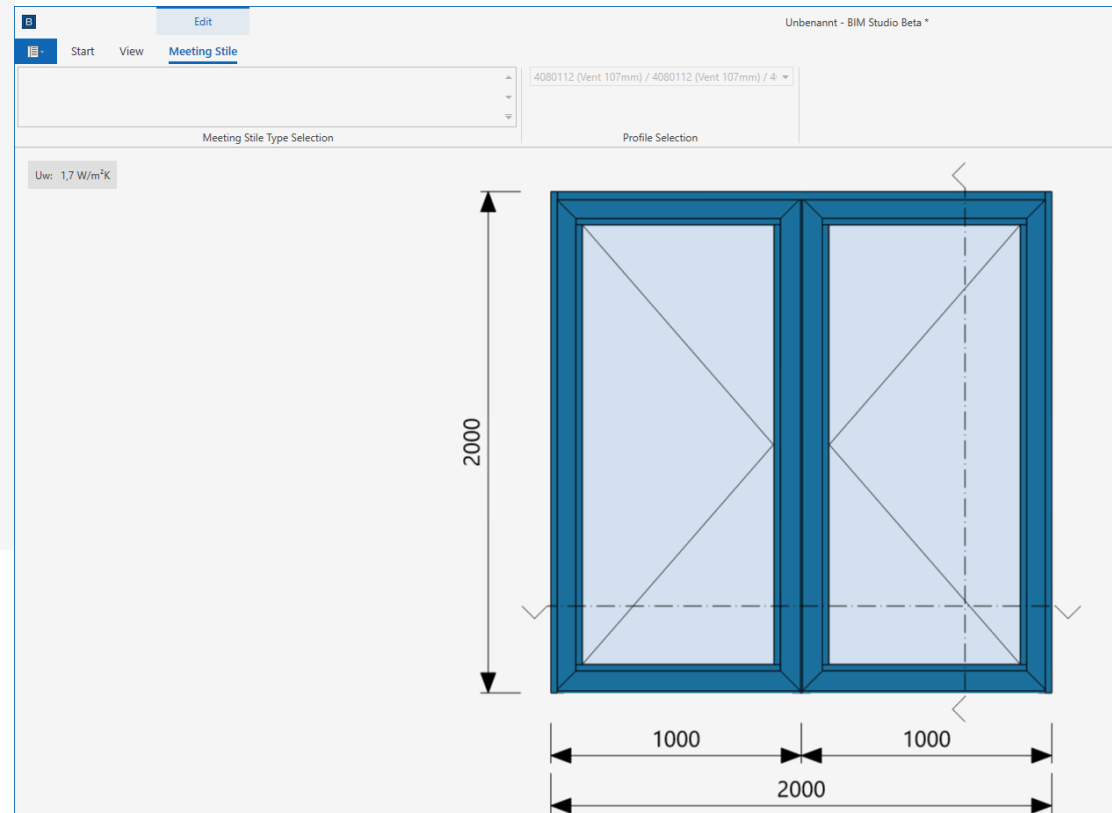
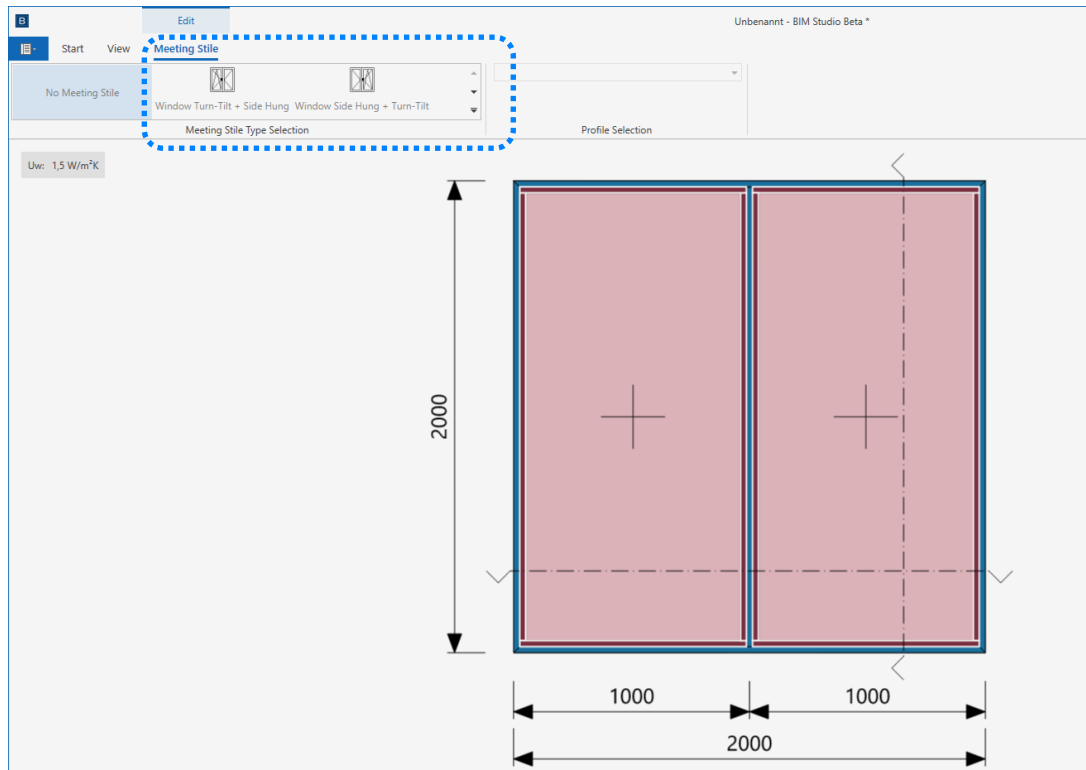
08 Colours : change it uniformly, inside/outside or inside/outside of every insertion



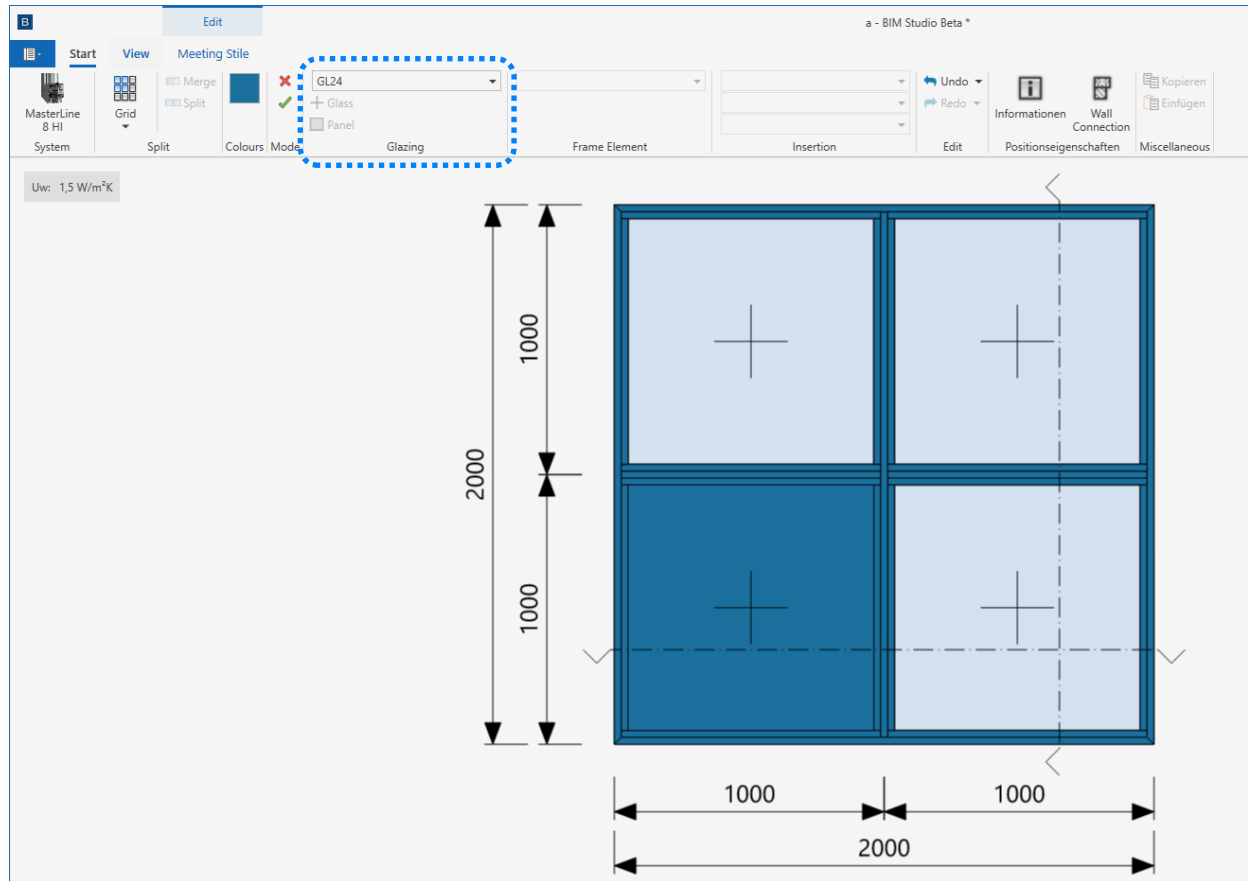
09 Copy/paste : possible to copy insertions with buttons or ctrl v + ctrl p



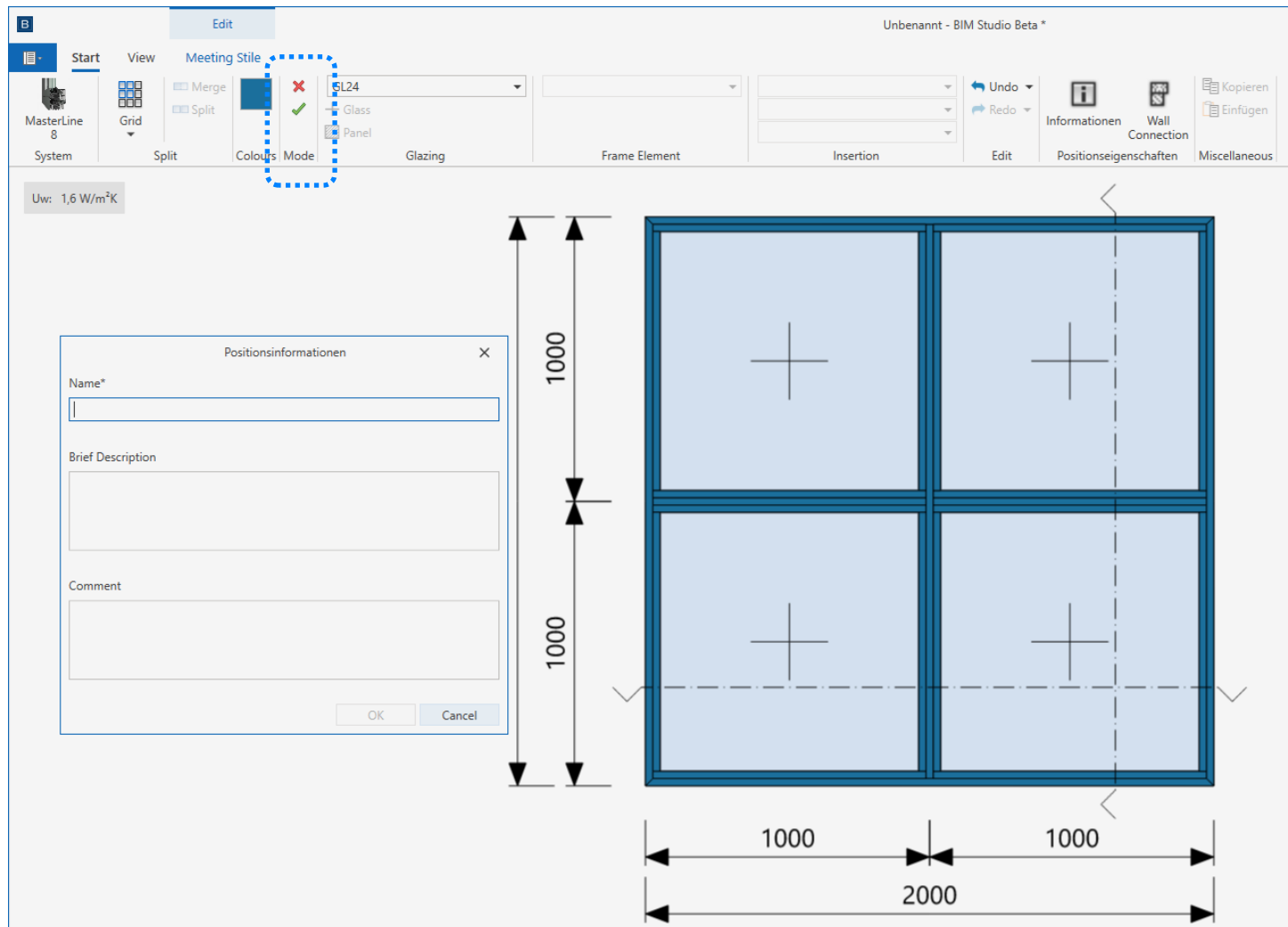
10 Meeting style: if you select two fields with ctrl key, you can choose a meeting stile



11 Glass / Panel and glass thickness



12 Click on check and name your configuration




13 Generic / Wall based and overview parameters:

Generic = Non-hosted family that is independent and not linked to a specific host element.

Import Elevation

Please select the desired positions for the import.

Name	Supplier	System	Family category	Family type	Width	Height	Height threshold/pocket filler/ Info
a	Reynaers	Reynaers MASTERLINE 8	Window element	Wall based	632,00	1000,00	915



a
Reynaers MASTERLINE 8

Opening interior bottom distance 20

Opening Interior Left Distance 10

Opening Interior Right Distance 10

Opening Interior Top Distance 20

Opening Rebate Distance 10

Opening Rebate Type Outside

Opening Thickness Inner Wall 250

Opening Thickness Outer Wall 100

Opening Total Thickness Wall 400

Surface Area (Glass) 0.47 m²

Surface Area (Profile) 0.17 m²

Surface Area (Total) 0.64 m²

Energy Analysis

Psi Value (Glass) (approx) 0.040

U Value (approx) 1.126

Uf Value (Profile) (approx) 1.900

Ug Value (Glass) (approx) 0.600

Identity Data

Materials and Finishes

Export information

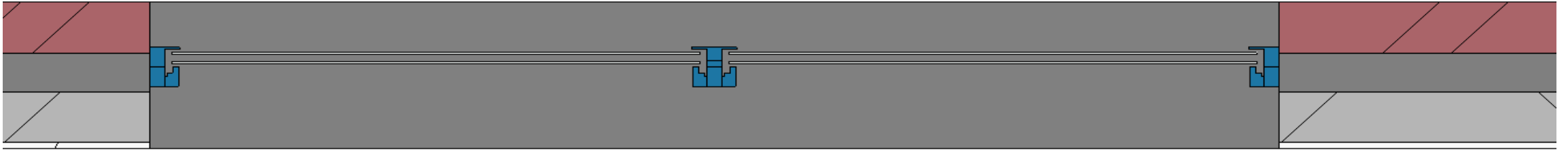
Export date: 1/10/2024 10:09:30 AM

Program name: BIM Studio Reynaers Group

Version: 1.6.21.0

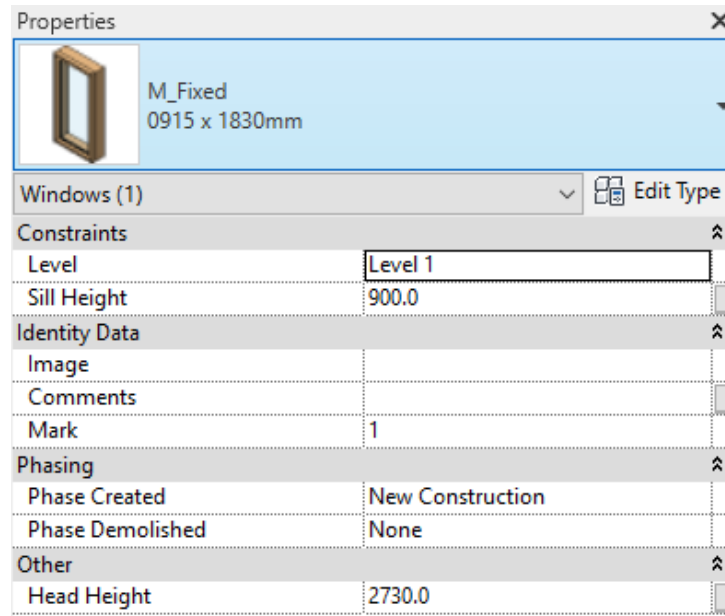
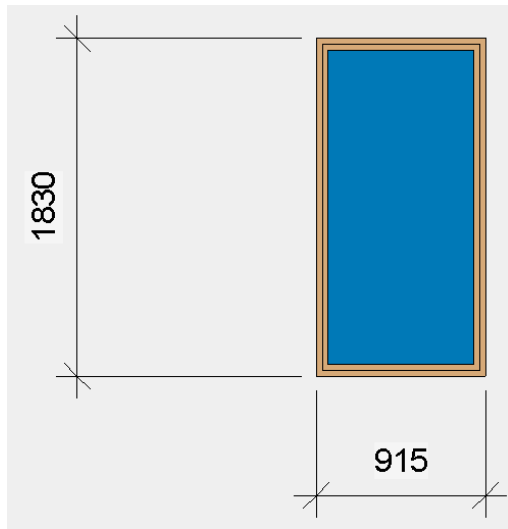
Import Cancel

14 Placement in Revit

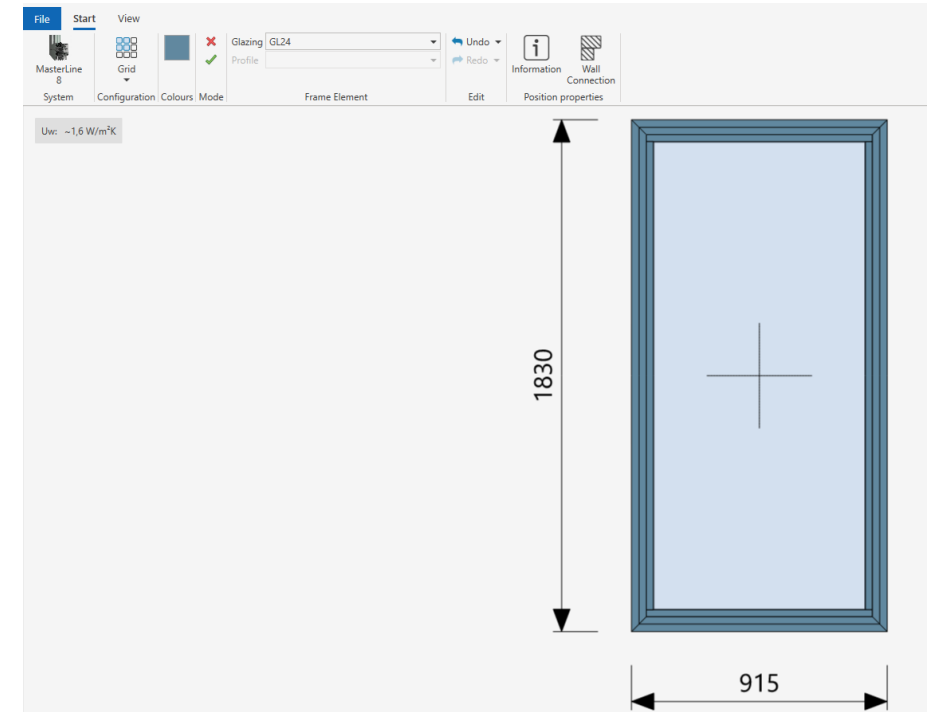


BIM Studio

15 If you select a window/door in Revit and open BIM Studio, the software will detect the dimensions and copy them. In this way, generic content can easily be converted into Reynaers configurations.



Revit

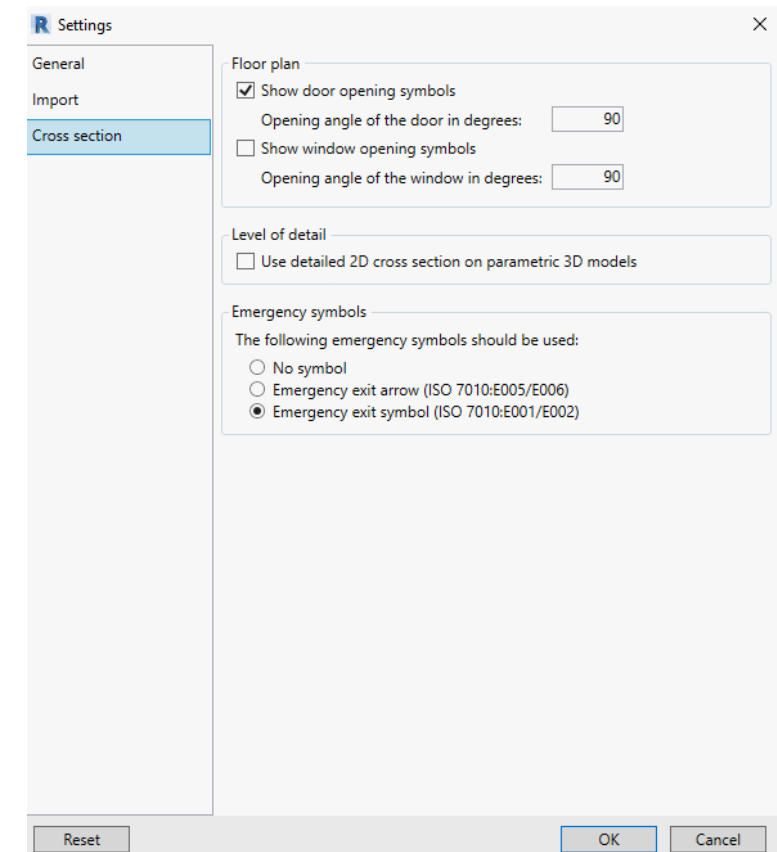
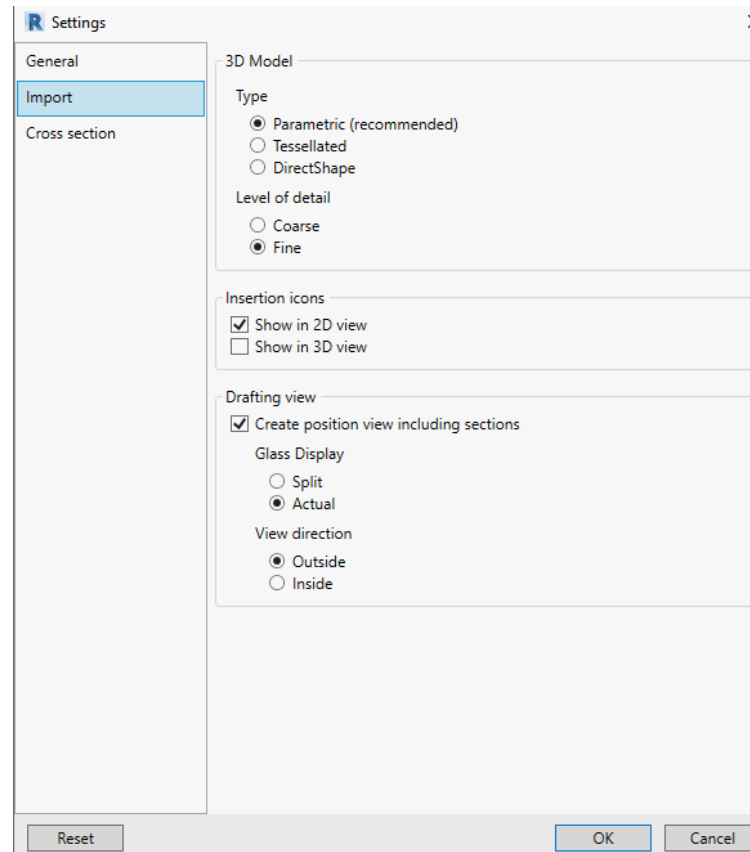
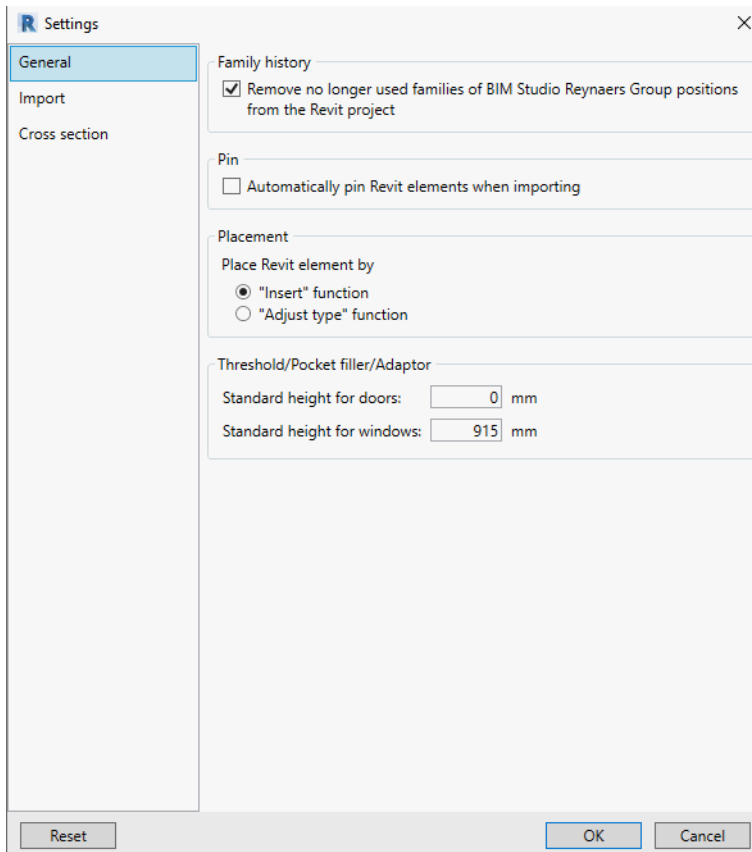
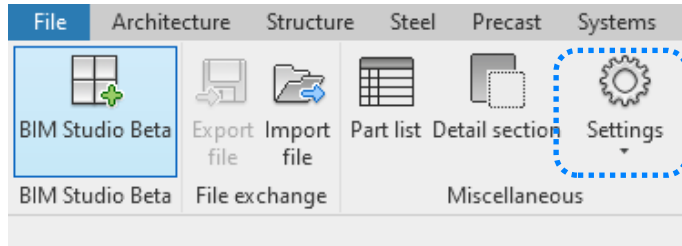


BIM Studio

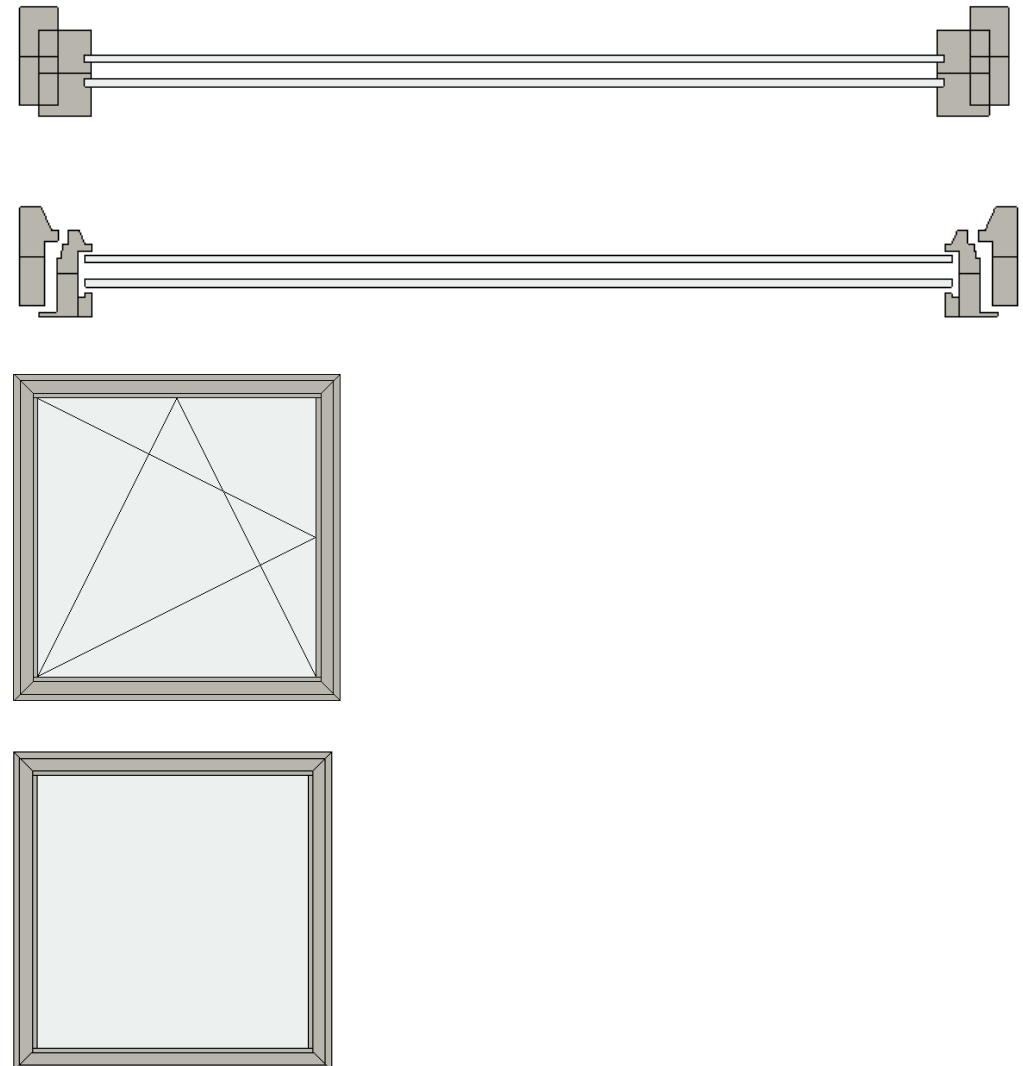
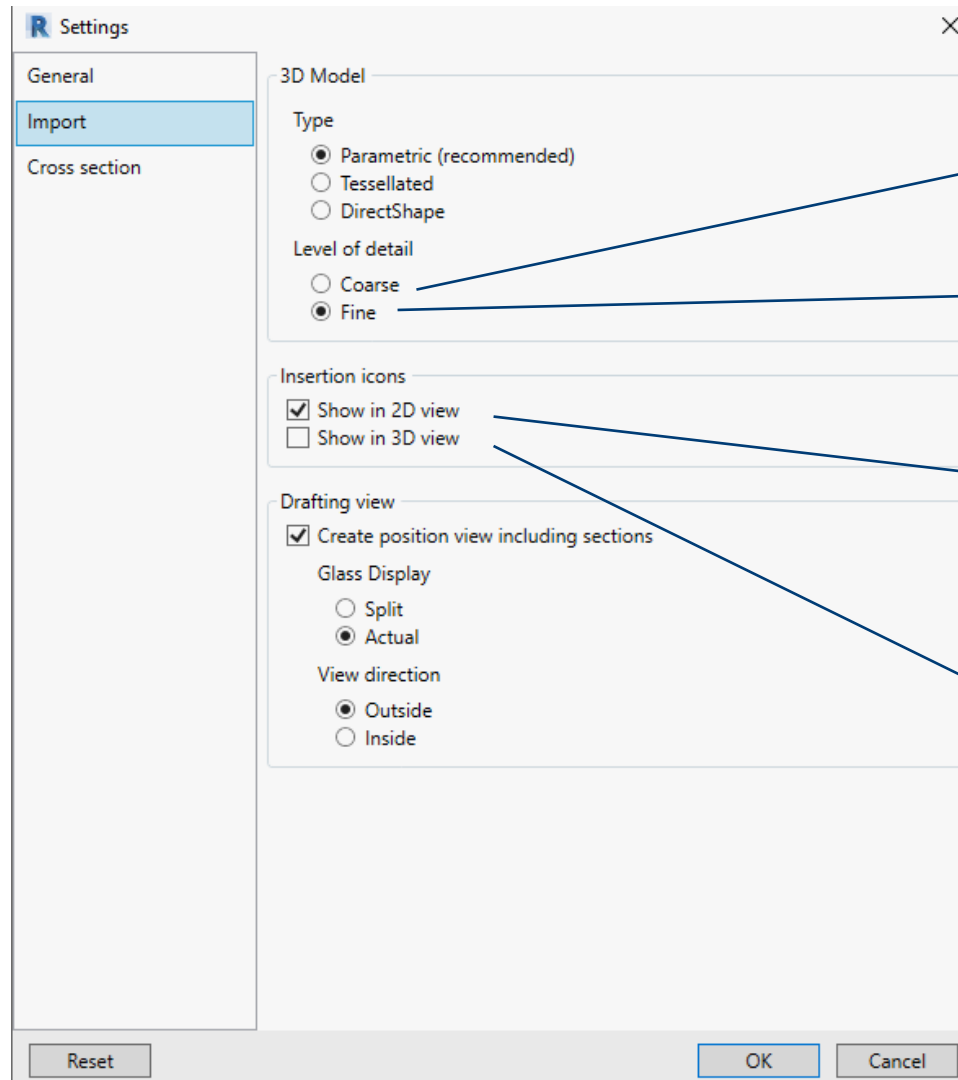
Settings

- 01 Settings in Revit Application
- 02 Settings in BIM Studio
- 03 Wall connections

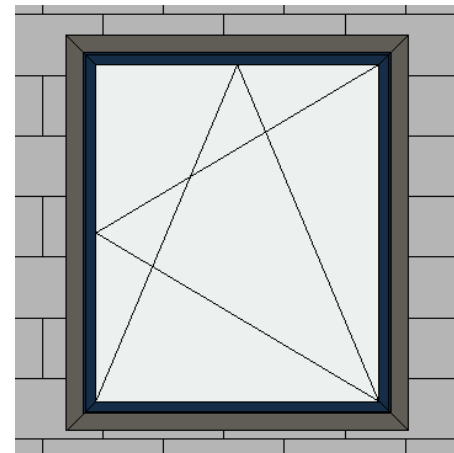
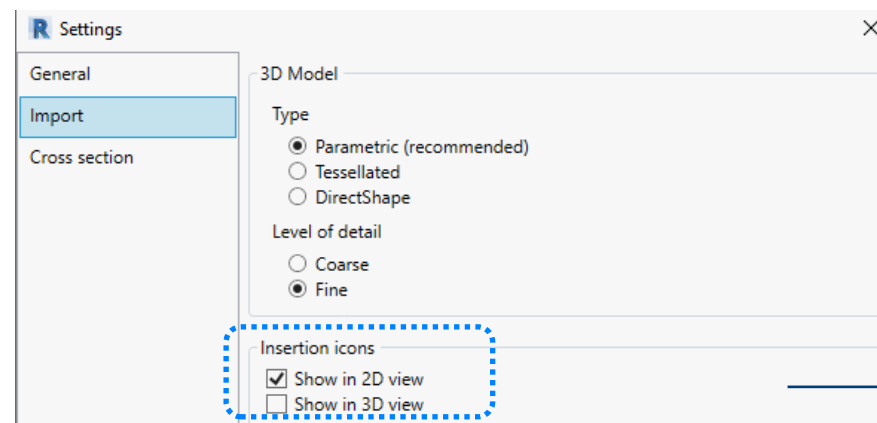
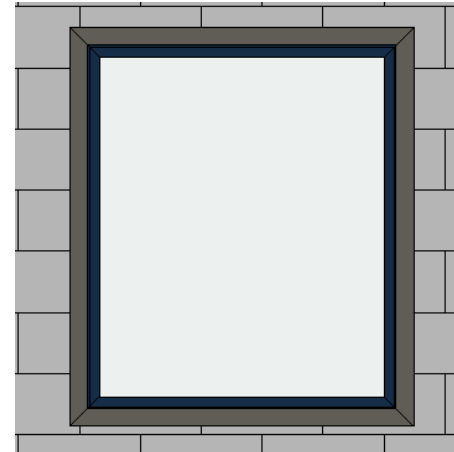
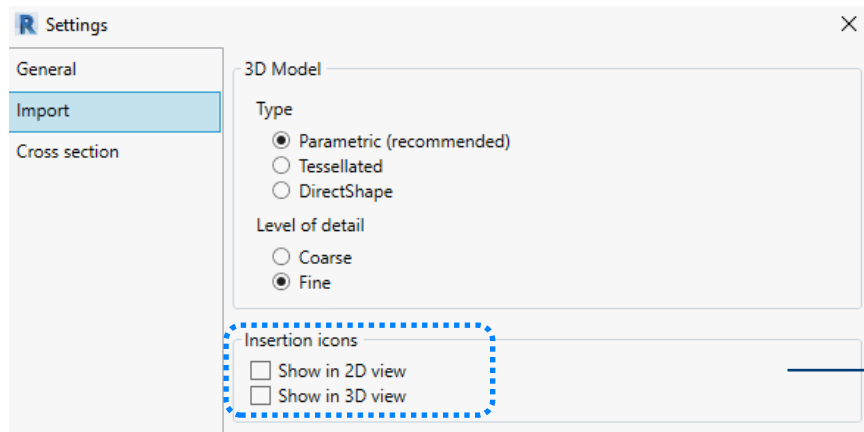
01 Settings in Revit: Overview of settings in Revit



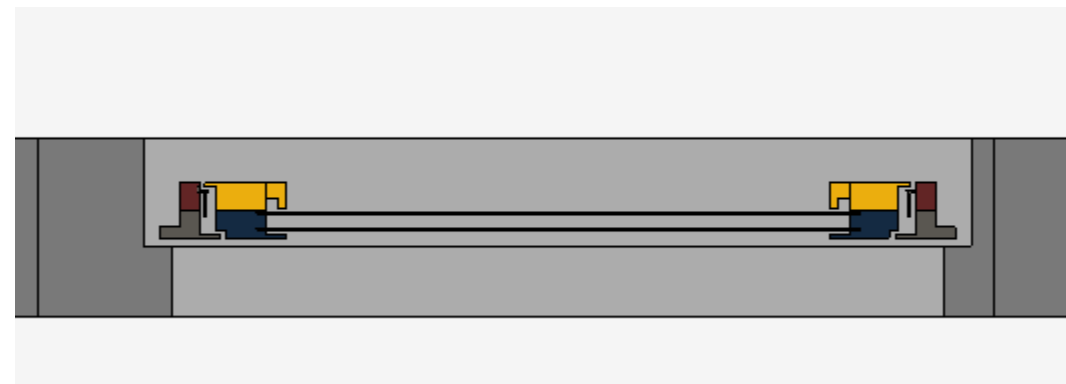
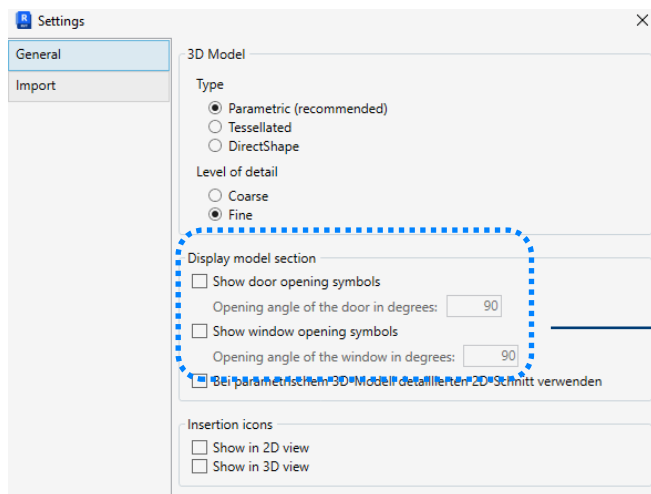
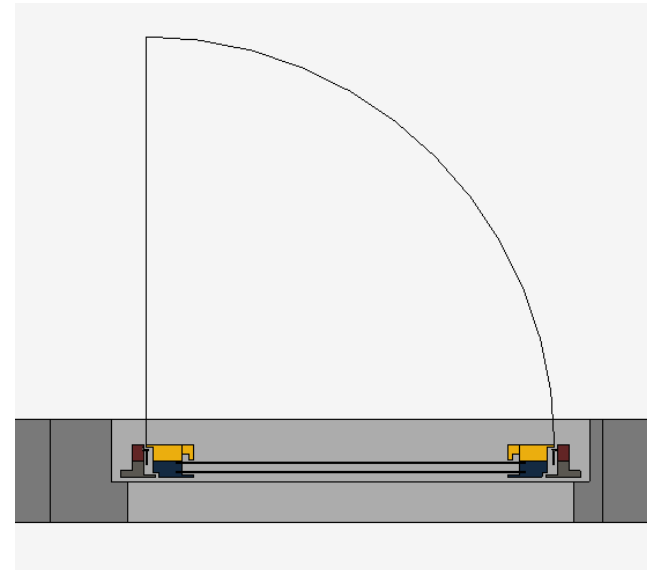
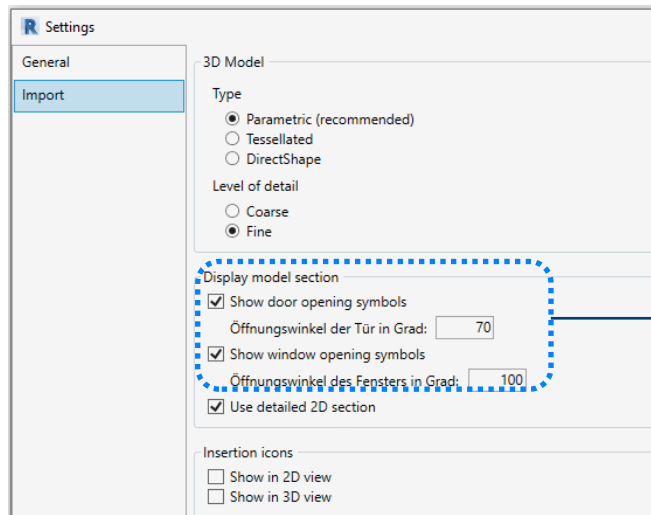
01 Settings in Revit => import => change the setting to the desired level of detail



01 Settings in Revit => import => change the setting to display the insert icons

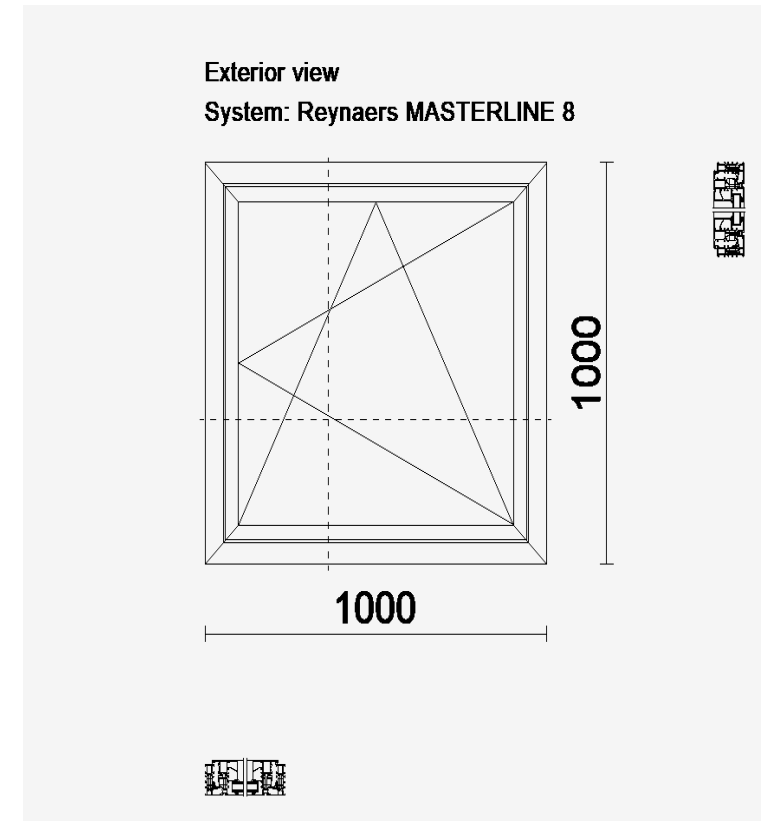
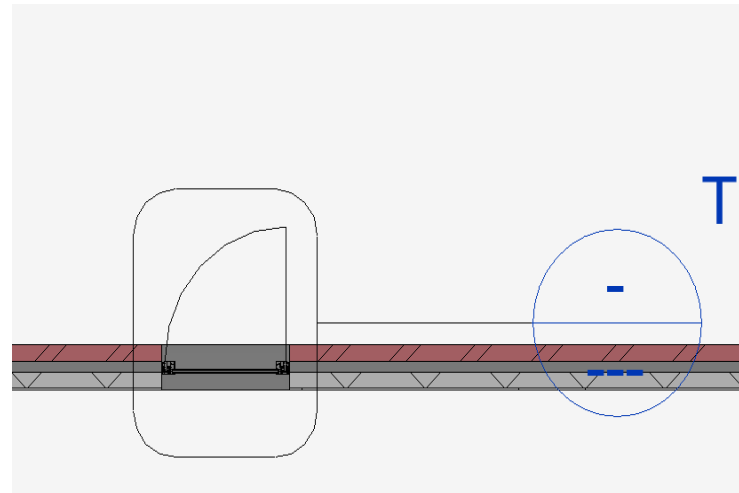
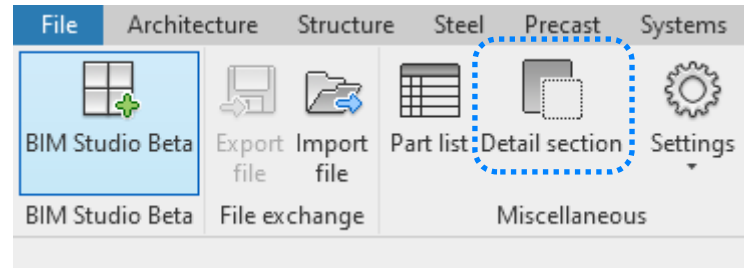
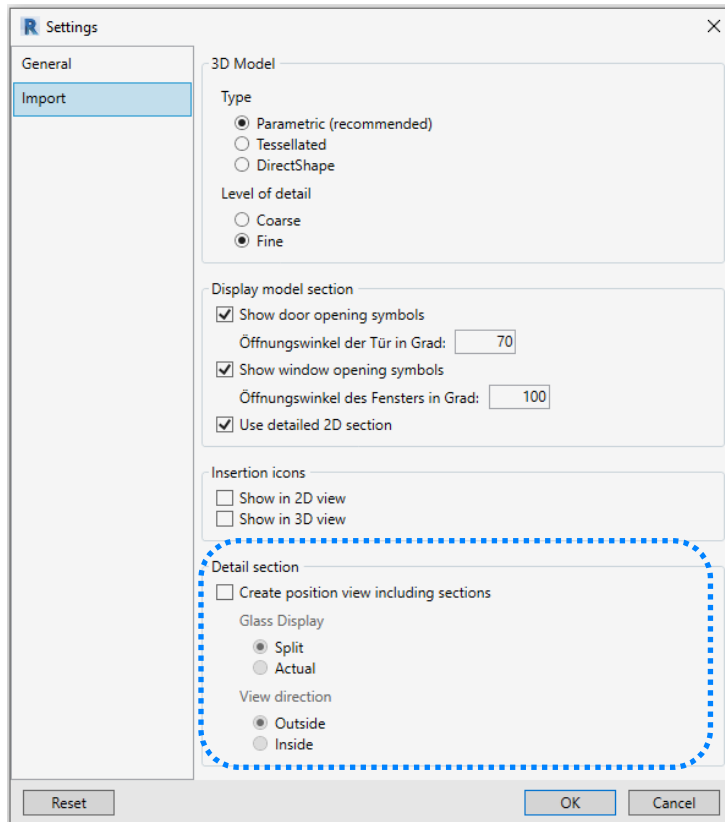


01 Settings in Revit => import => change the setting to display opening symbols

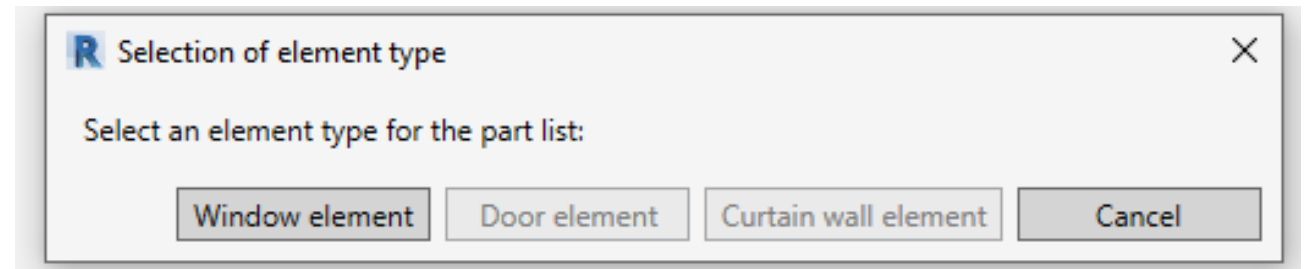
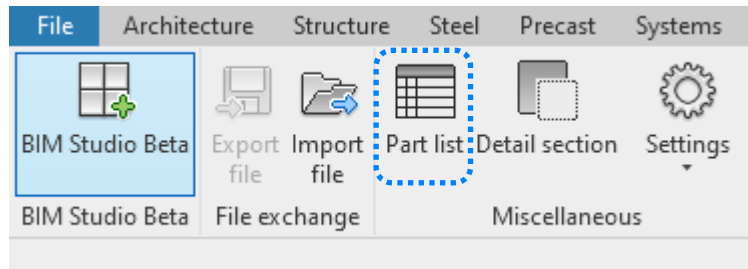


BIM Studio

01 Settings in Revit => Detail section: unassociated, view-specific details that are not part of the modeled design(Drafting view)



01 Settings in Revit => Part list: A schedule can list every instance of the element type you are scheduling (extracted from the properties)



Properties | Schedule | View Name | Format Unit | Calculated | Combine Parameters | Insert | Delete | Resize | Hide | Unhide All | Insert | Insert Data Row | Delete | Resize | Merge | Insert | Clear | Group | Ungroup | Unmerge | Image | Cell

Properties | Parameters | Columns | Rows | Titles & Headers

Modify Schedule/Quantities

Properties | Level 0 | South | Window Schedule

<Window Schedule>

A	B	C	D	E	F	G
U Value (approx)	Width	Height	System	Supplier	Finished Size	Elevation Name
1.7225 W/(m²·K)	1000	1000	Reynaers MASTERLINE 8	Reynaers	1000 x 1000mm	a
1.7045 W/(m²·K)	910	1210	Reynaers MASTERLINE 8	Reynaers	910 x 1210mm	z
1.7045 W/(m²·K)	910	1210	Reynaers MASTERLINE 8	Reynaers	910 x 1210mm	z
	1810	1210				

Schedule: Window Schedule | Edit Type

Identity Data

View Template: <None>

View Name: Window Schedule

Dependency: Independent

Phasing

Phase Filter: Show All

Phase: New Construction

Other

Fields: Edit...

Filter: Edit...

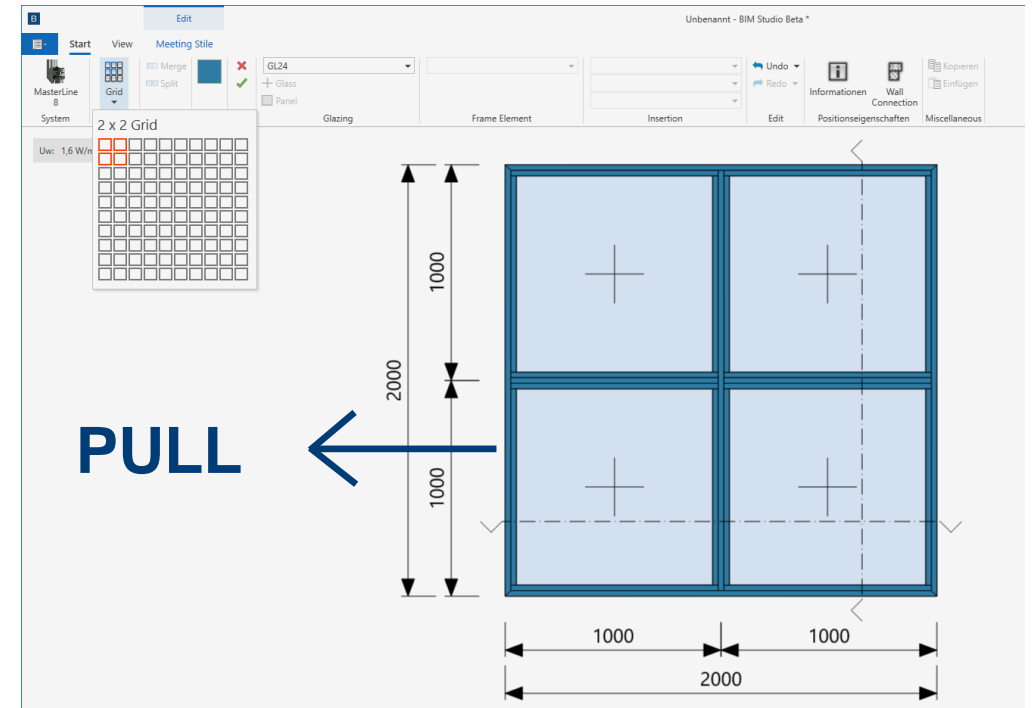
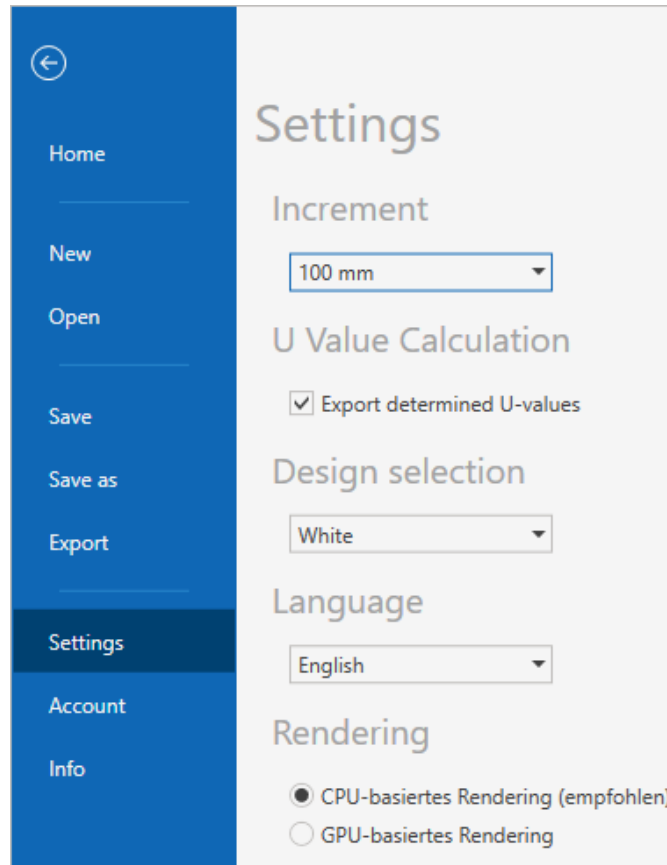
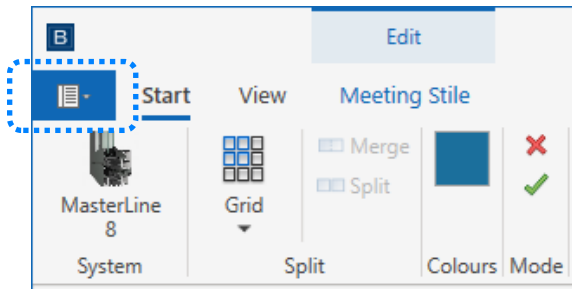
Sorting/Grouping: Edit...

Formatting: Edit...

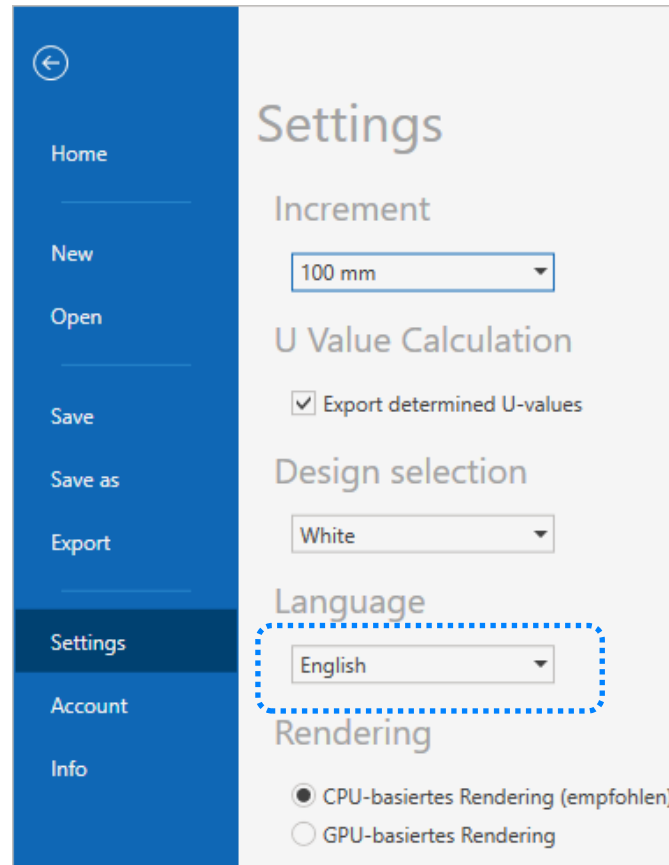
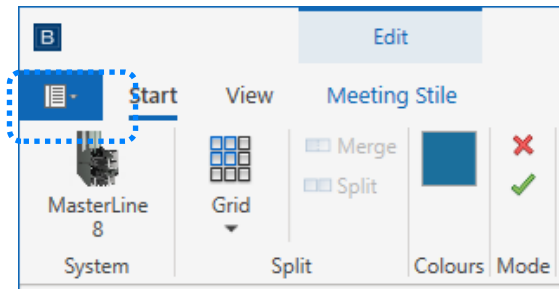
Appearance: Edit...

BIM Studio

02 Settings in BIM Studio => In the BIM Studio application, there are also settings that can be changed.
Increment = Step width= determines by how many mm the grid changes when using the drag function

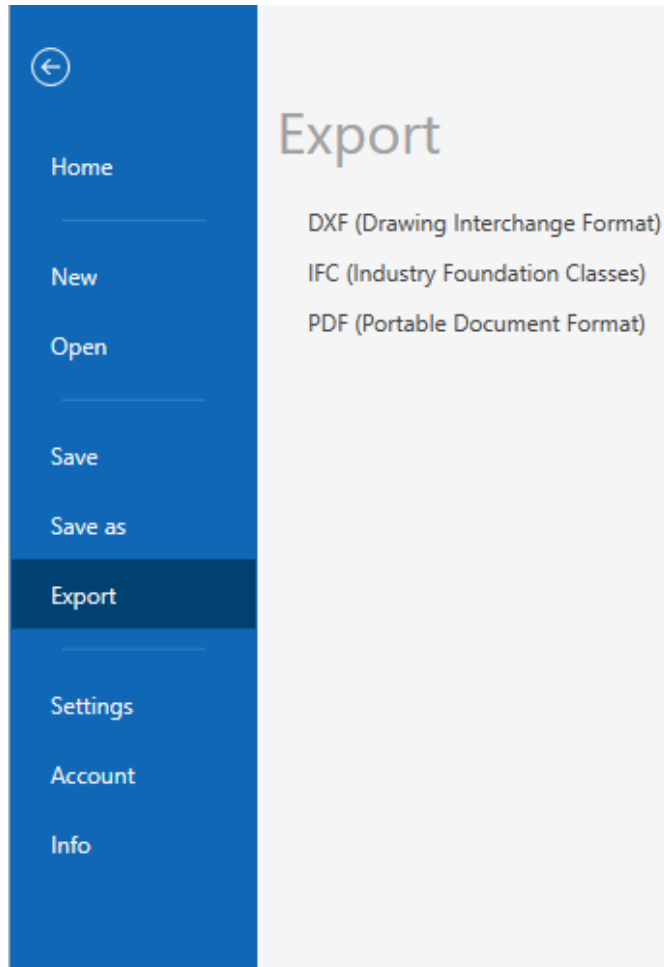


02 Settings in BIM Studio => In the BIM Studio application, there are also settings that can be changed: Language

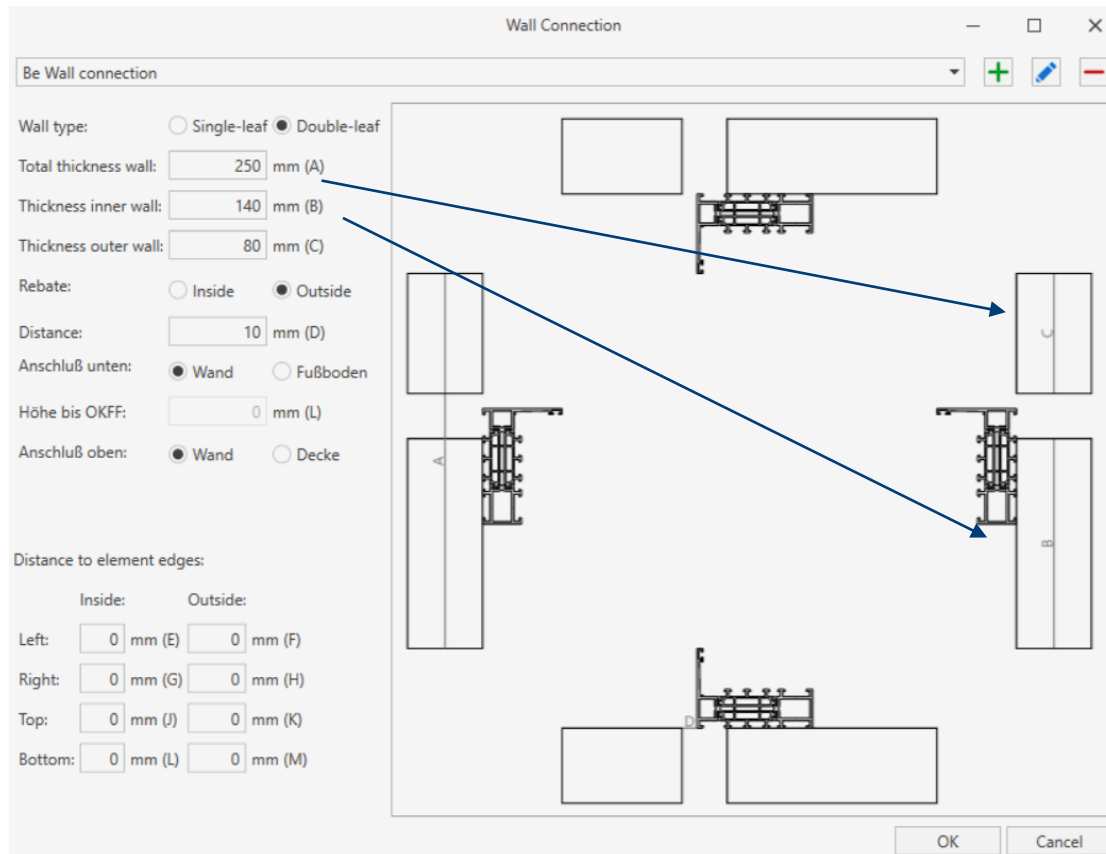


02 Settings in BIM Studio => In the BIM Studio application, there are also export and save functions.

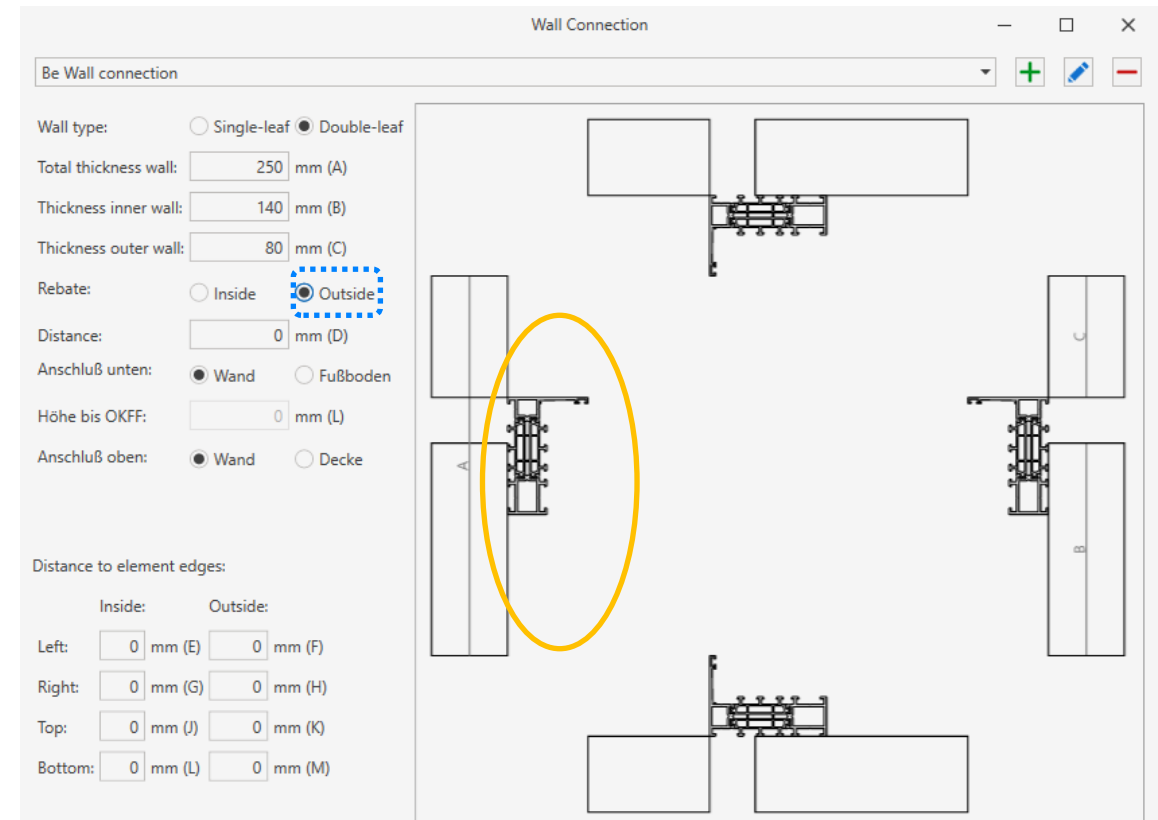
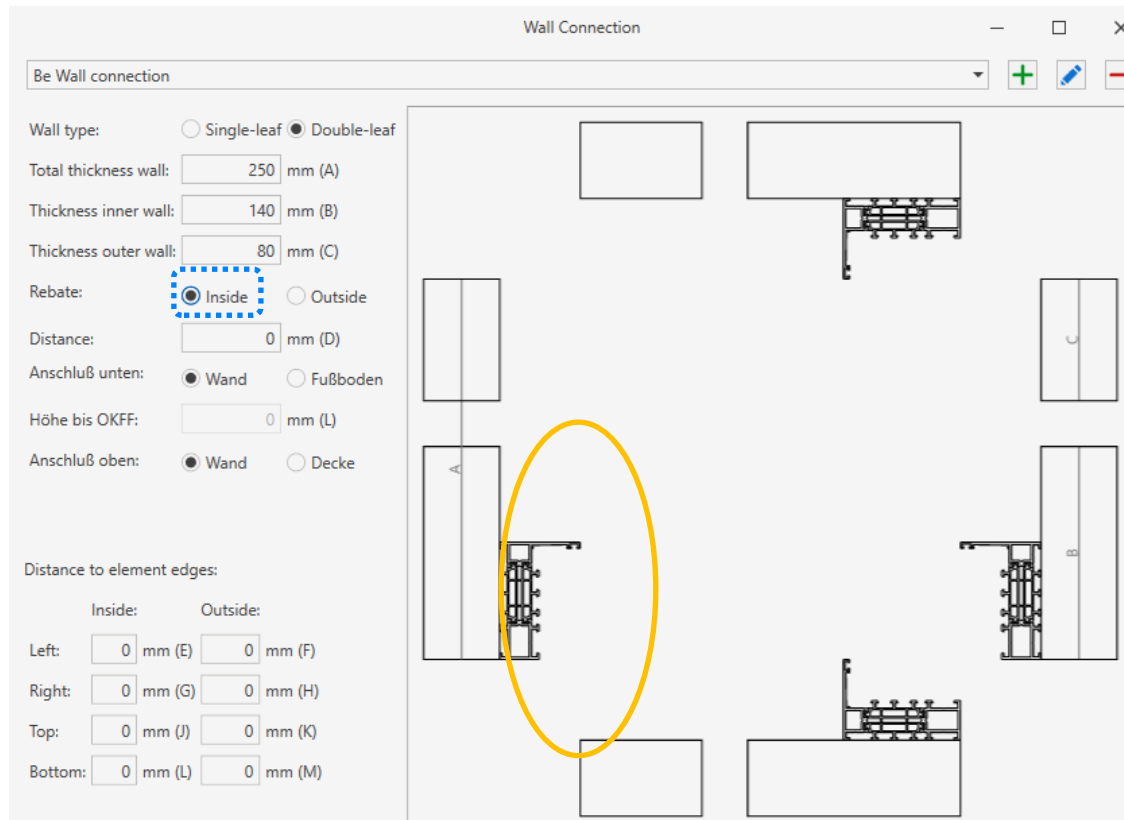
Possibilities to export to IFC, DXF or PDF. Also, an option to save it locally as a SAB.file



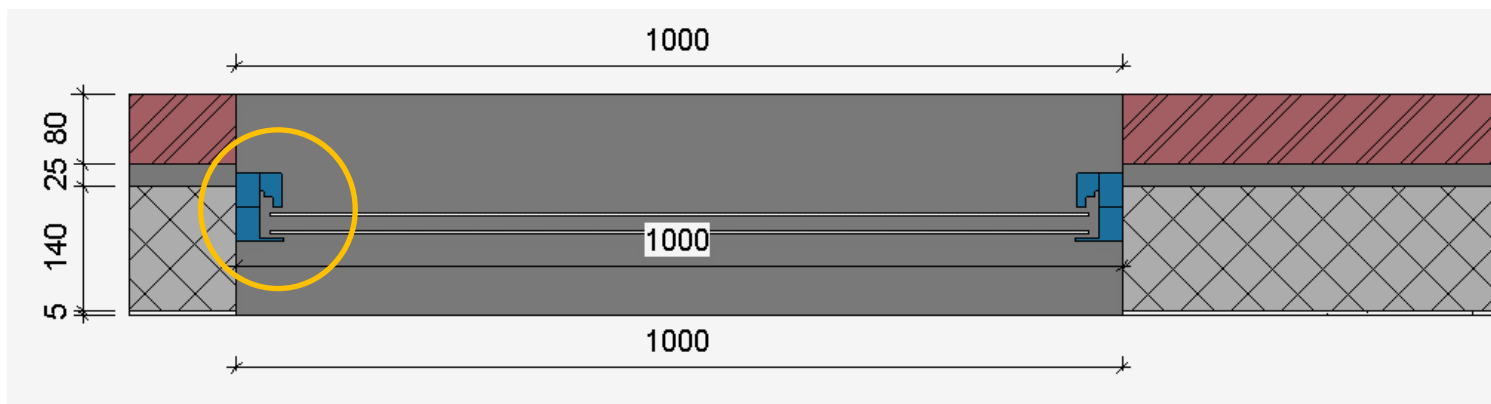
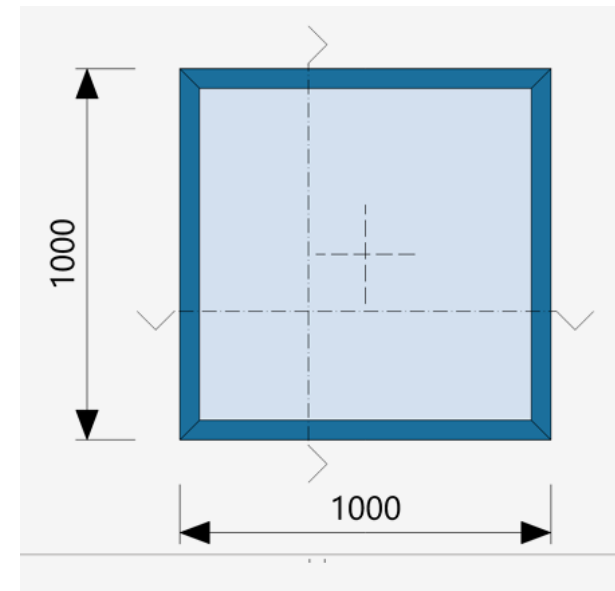
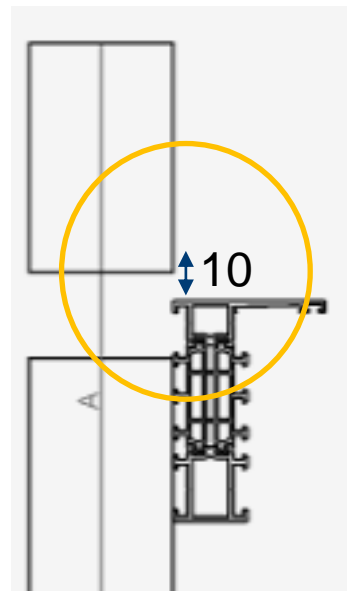
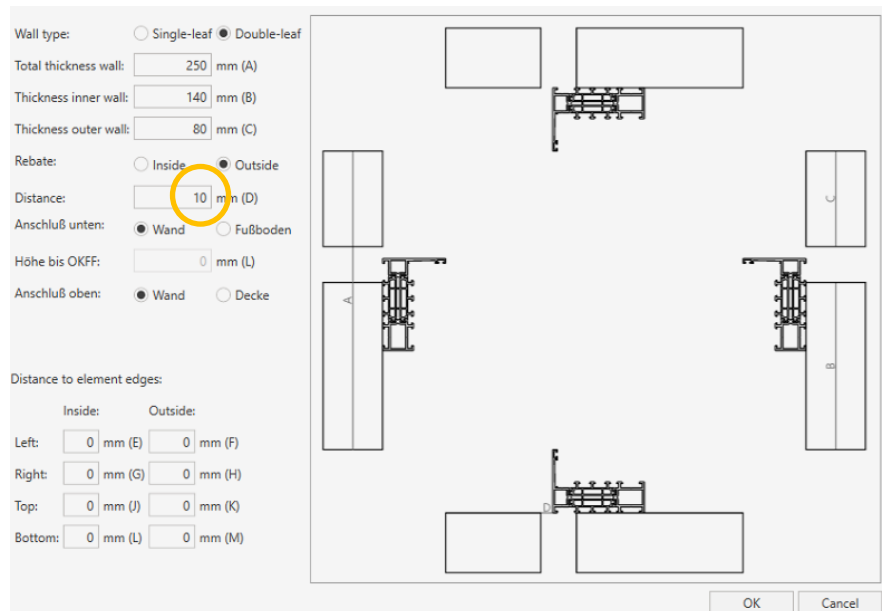
03 Wall connection: this function allows you to place the element in the right place in the wall. Note that one can create a exterior wall, interior wall, and cavity.



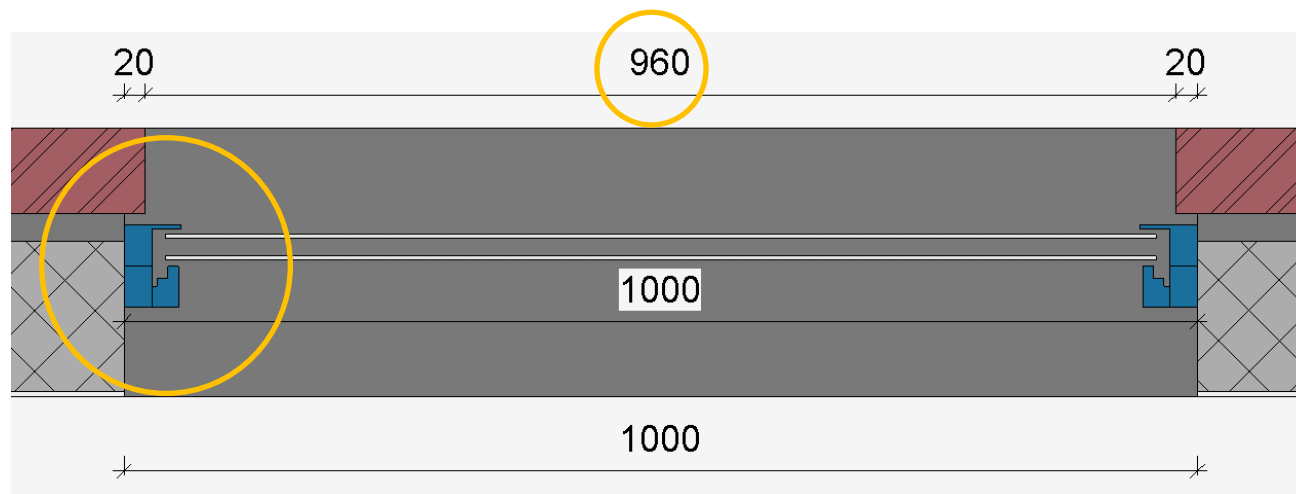
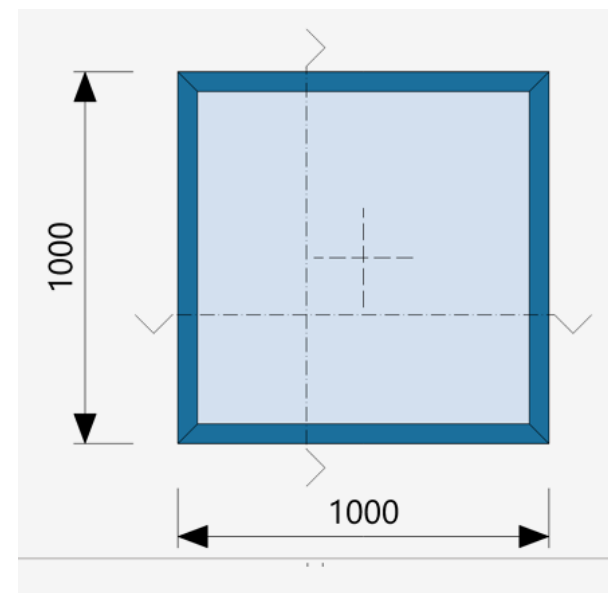
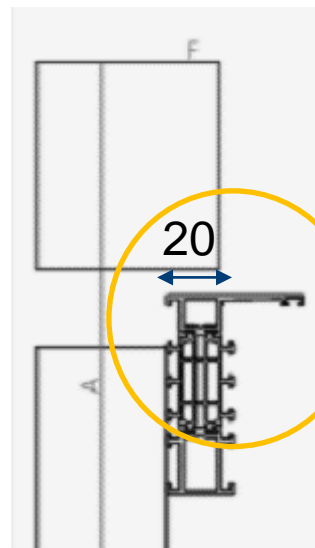
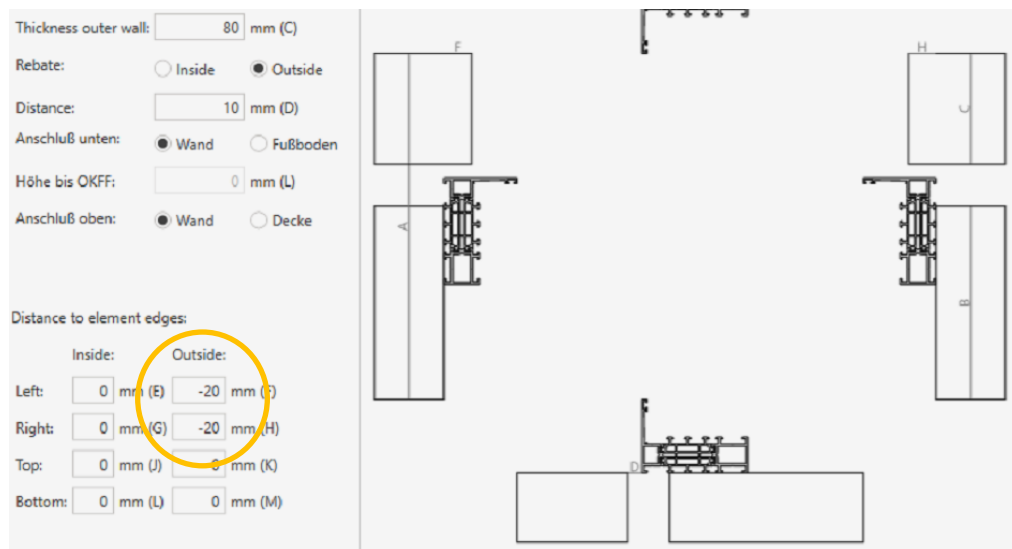
03 Wall connection



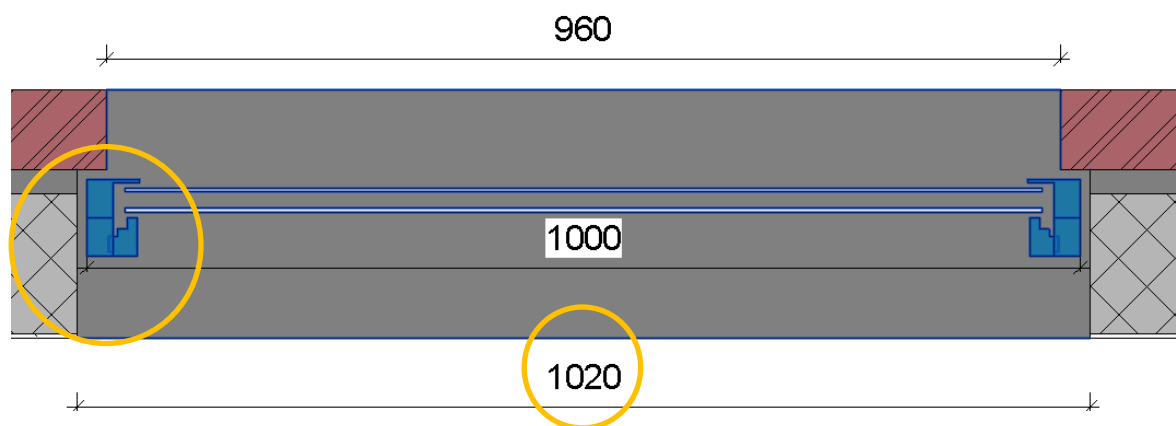
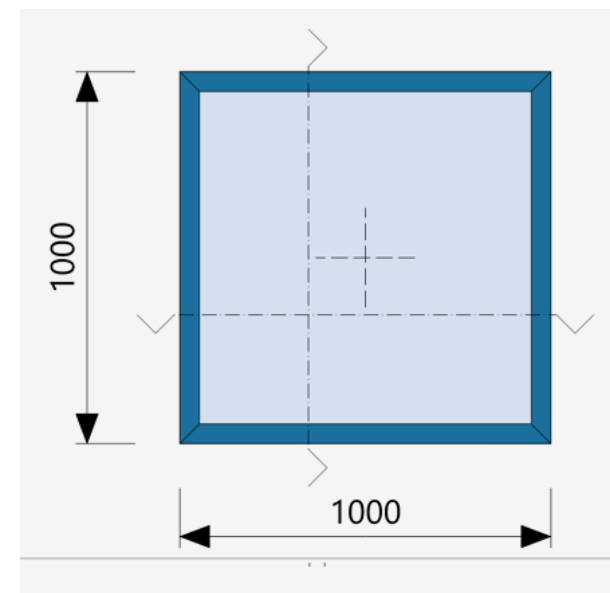
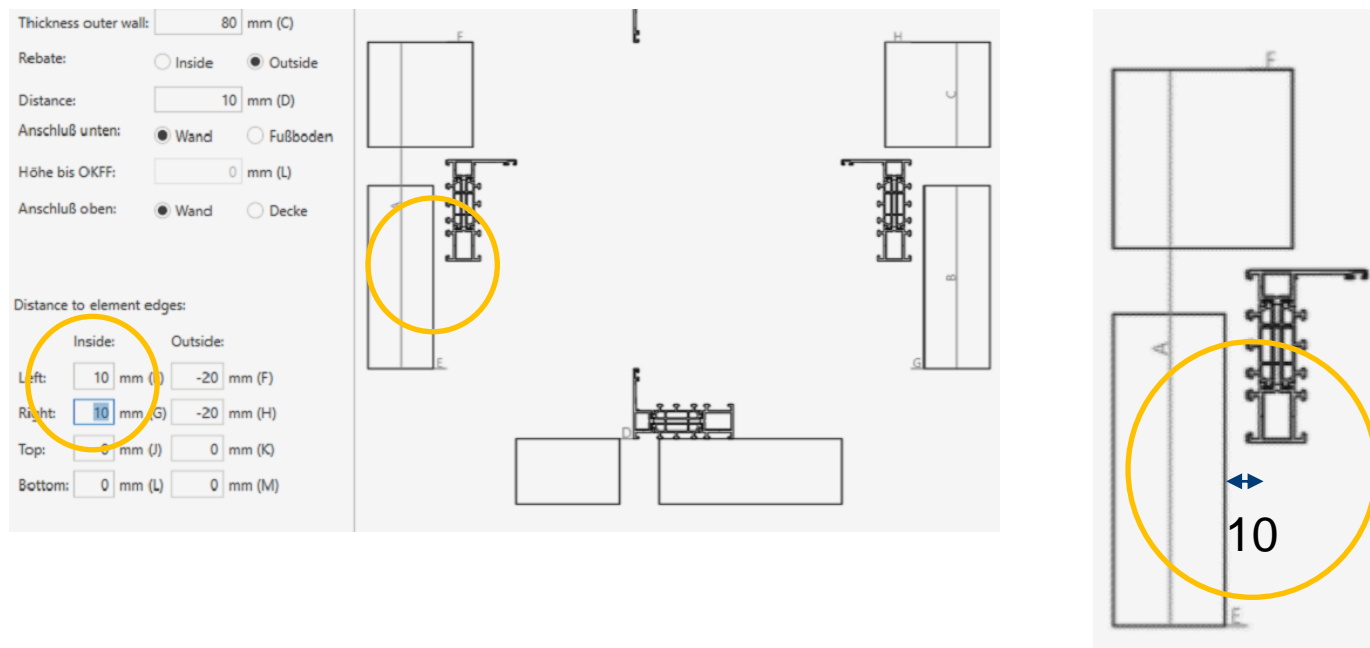
03 Wall connection: This parameter controls the position vertically (y-axis)



03 Wall connection : This parameter controls the element horizontally (x-axis)



03 Wall connection : This parameter controls the element horizontally (x-axis)





**Together
for better**