

The image is a high-angle, perspective view of a complex architectural facade. It features a dense arrangement of 3D rectangular blocks, or cubes, of varying sizes and orientations. The blocks are primarily in shades of blue, white, and grey, creating a dynamic, geometric pattern. Some blocks are reflective, showing distorted images of the sky and clouds. The blocks are mounted on a yellow, textured surface, which appears to be a wall or a large panel. The overall effect is one of depth and complexity, with strong shadows and highlights that emphasize the three-dimensional nature of the cladding.

ArchiRADAR

CLADDING ARCHICAD OBJECT

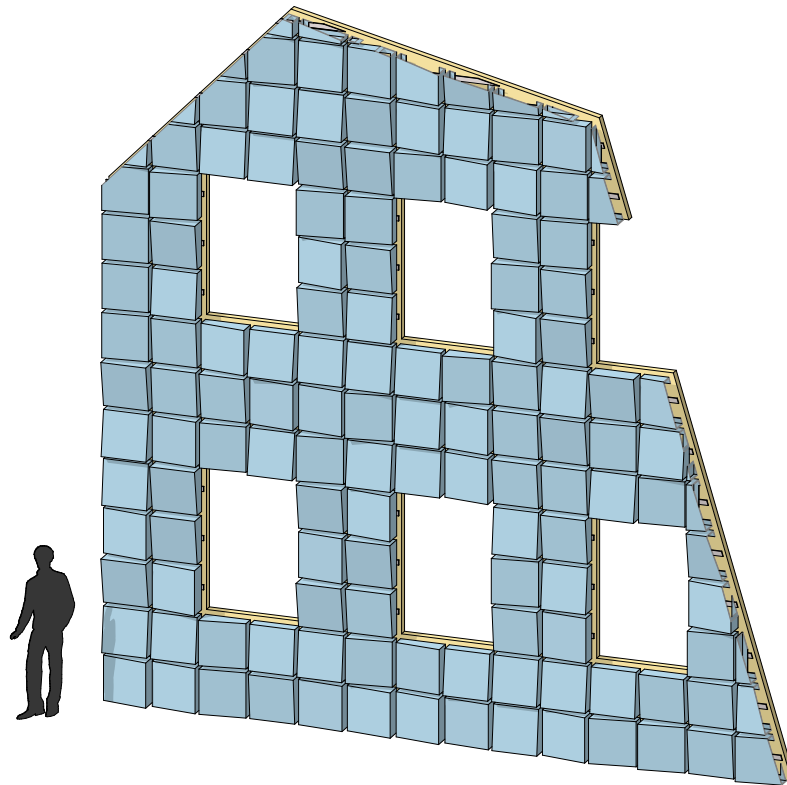
V 28.09

ArchiRADAR

CLADDING ARCHICAD OBJECT

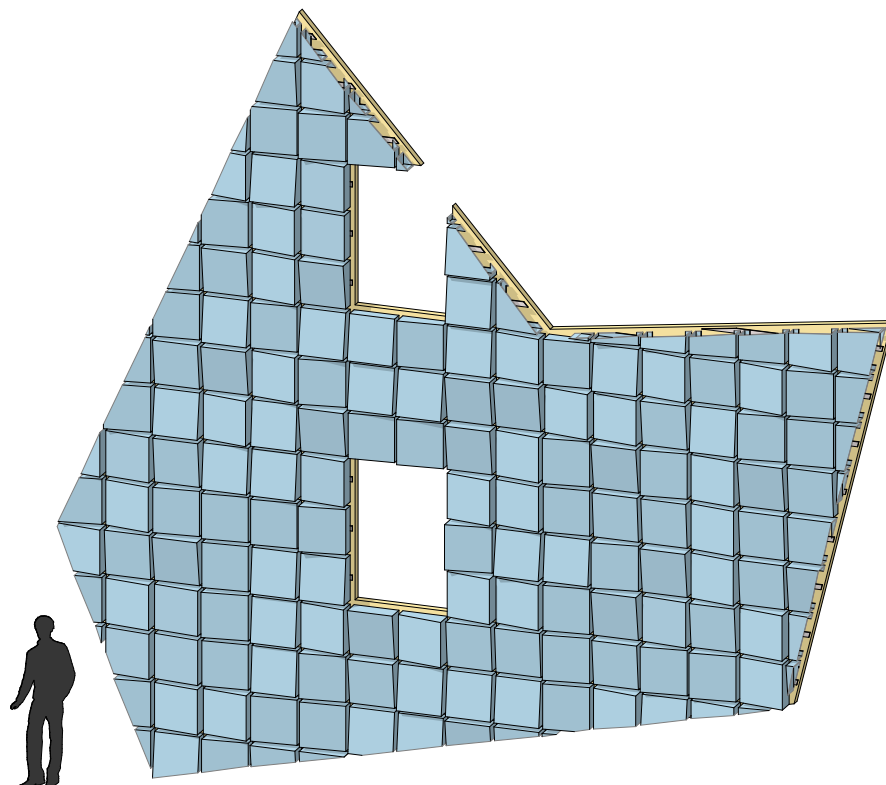
Cladding - Irregular e more complex polygons

You can edit the vertices independently, add and remove further vertices.



Irregular polygon	<input checked="" type="checkbox"/>
Editing plane	
Position	On the inside >
Reference construction plane	
Show editing plan	<input checked="" type="checkbox"/>
Show reference axes	<input type="checkbox"/>
Surface	<input type="color" value="#4682B4"/> Paint - Pal... >

Interface

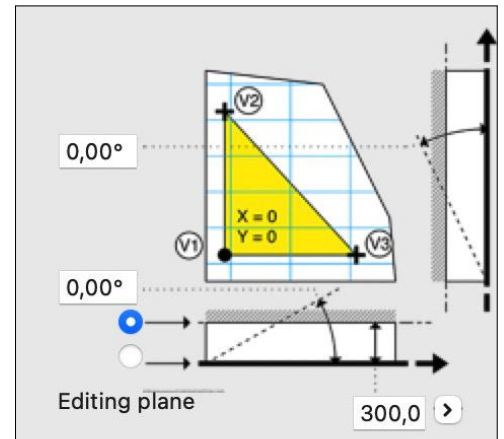
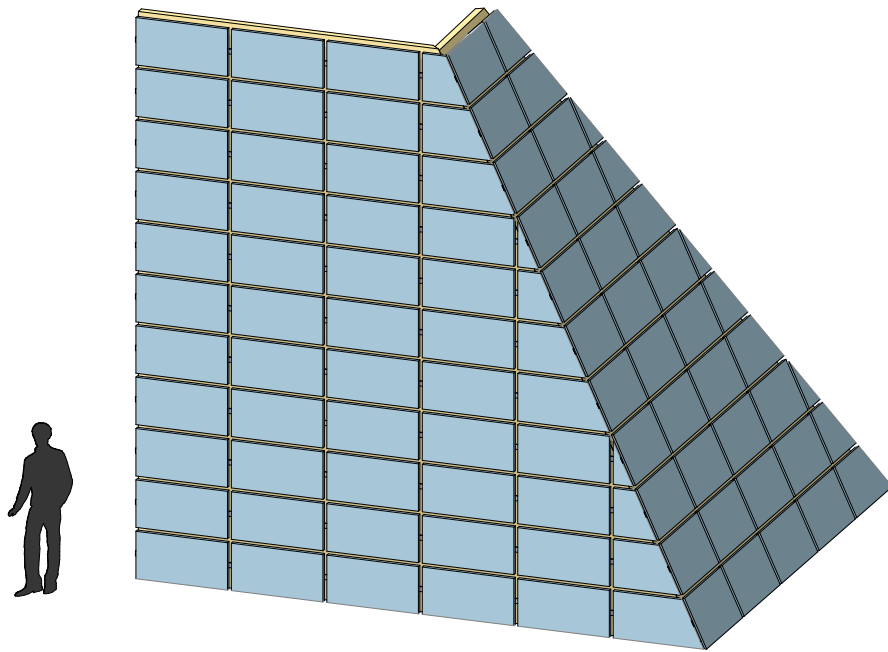


ArchiRADAR

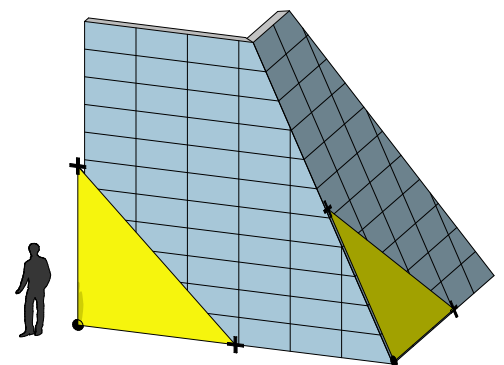
CLADDING ARCHICAD OBJECT

Cladding - General rotation

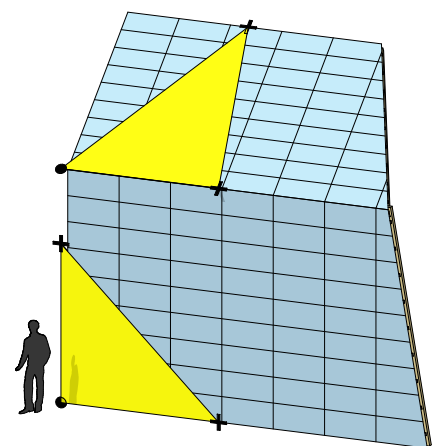
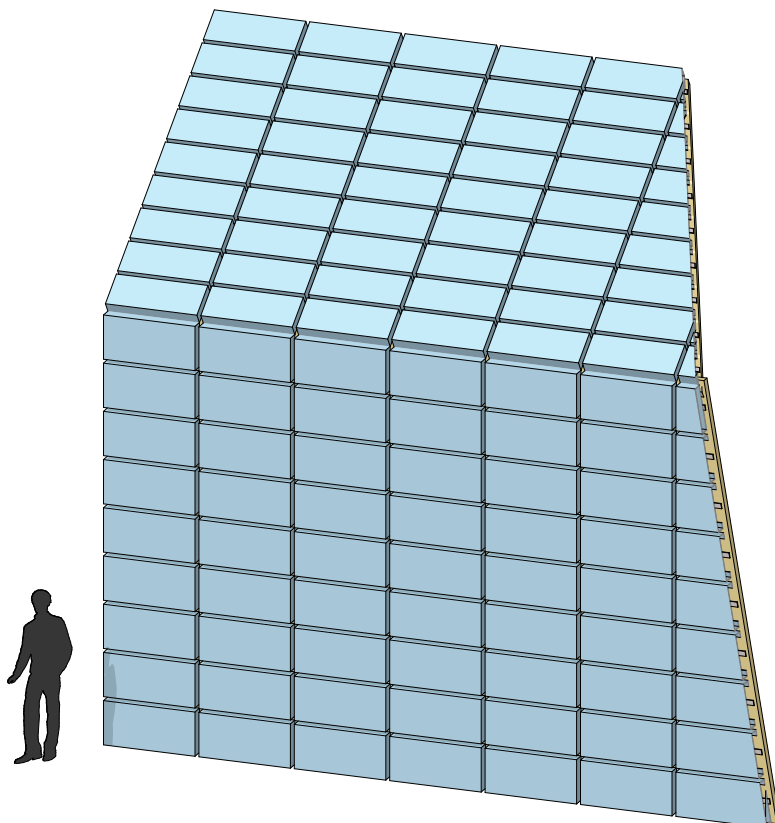
You can rotate in 3d the whole object 360 degree. You can also align correctly the grid considering the z direction orthogonal to the XY plane



Interface



EDITING PLANE



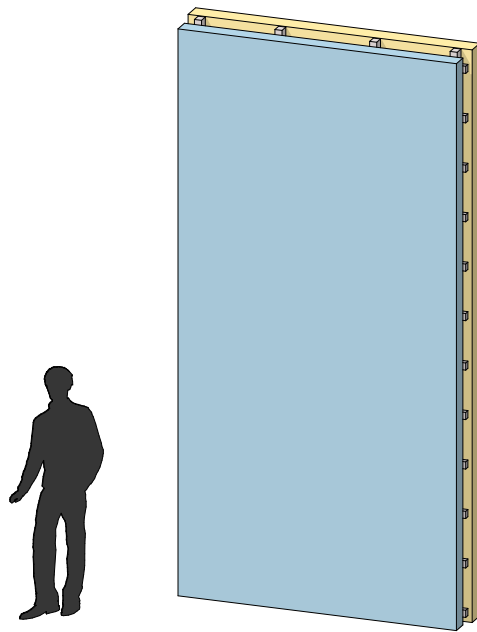
EDITING PLANE

ArchiRADAR

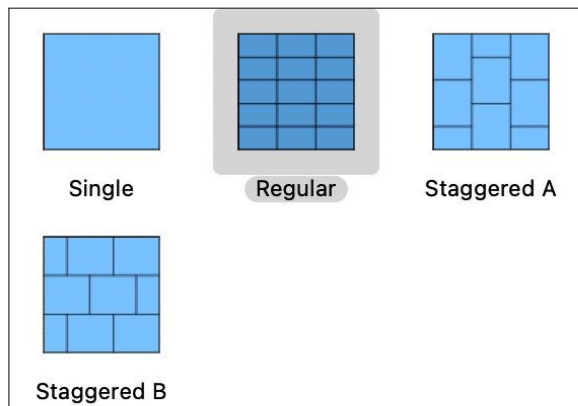
CLADDING ARCHICAD OBJECT

Pattern - Single panel or patterns

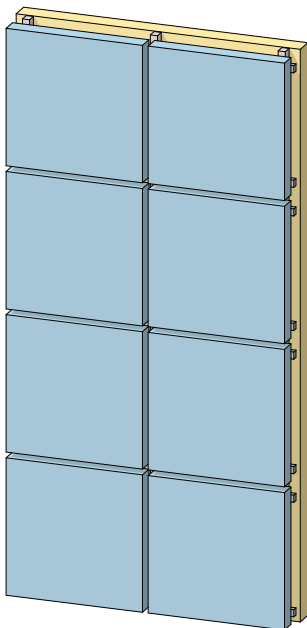
Four different patterns are available; you can decide which patterns use in every moment of the design. You can also decide to manage a single panel.



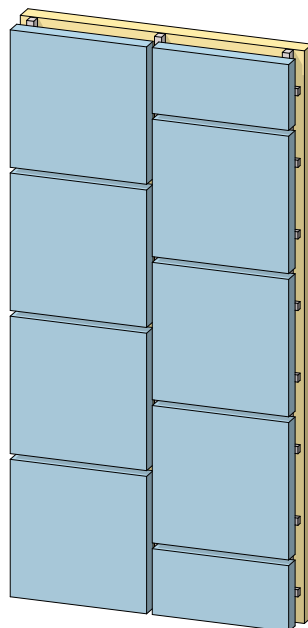
Single



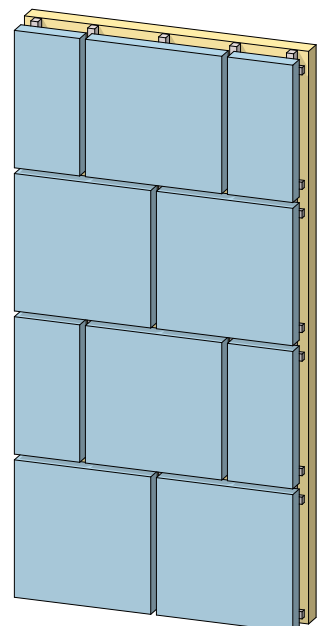
Interface



Regular



Staggered A



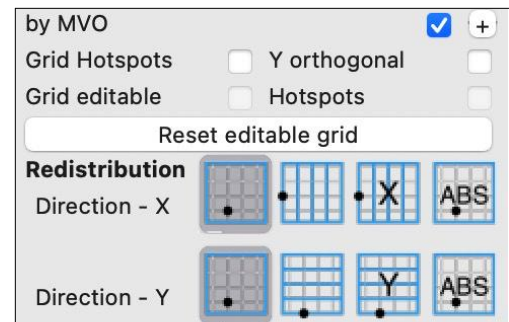
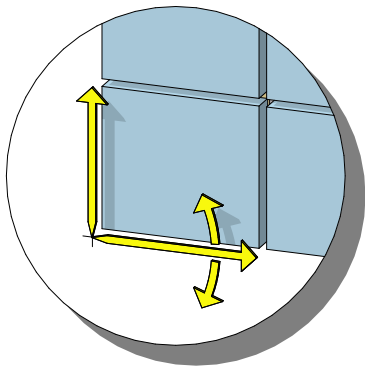
Staggered B

ArchiRADAR

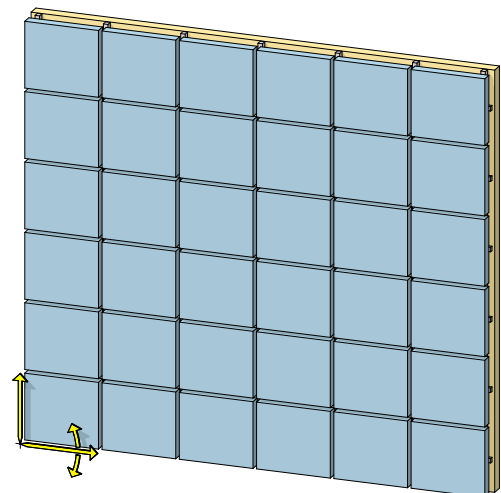
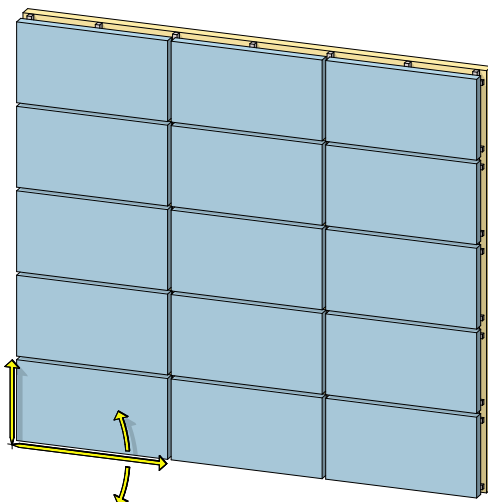
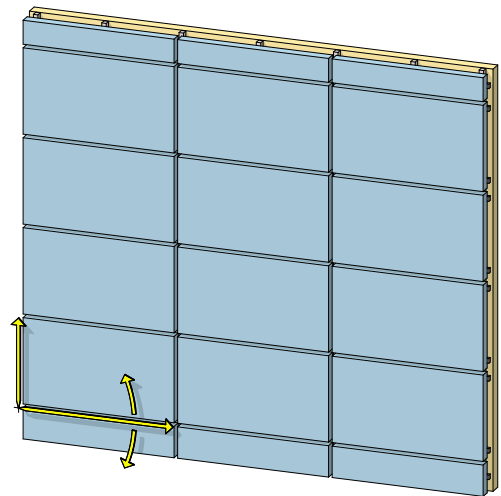
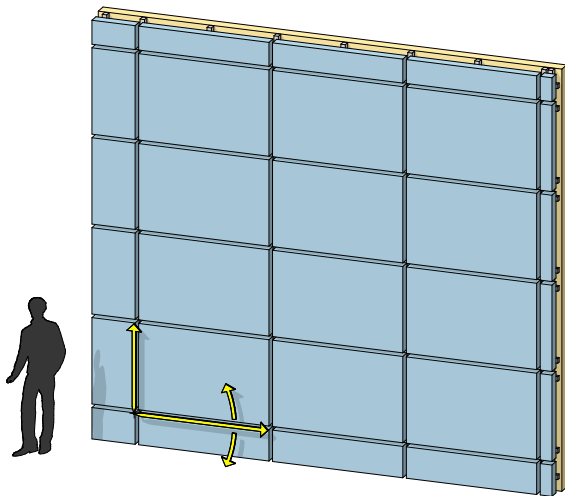
CLADDING ARCHICAD OBJECT

Grid - Personal or joined grid

You can manage a grid with personal dimension or automatic redistribution of the panels in the two directions. You have also the possibility to choose the numbers of panel in both directions. Directly in the 3d windows you can manage the origin of the grid and its dimension.



Interface

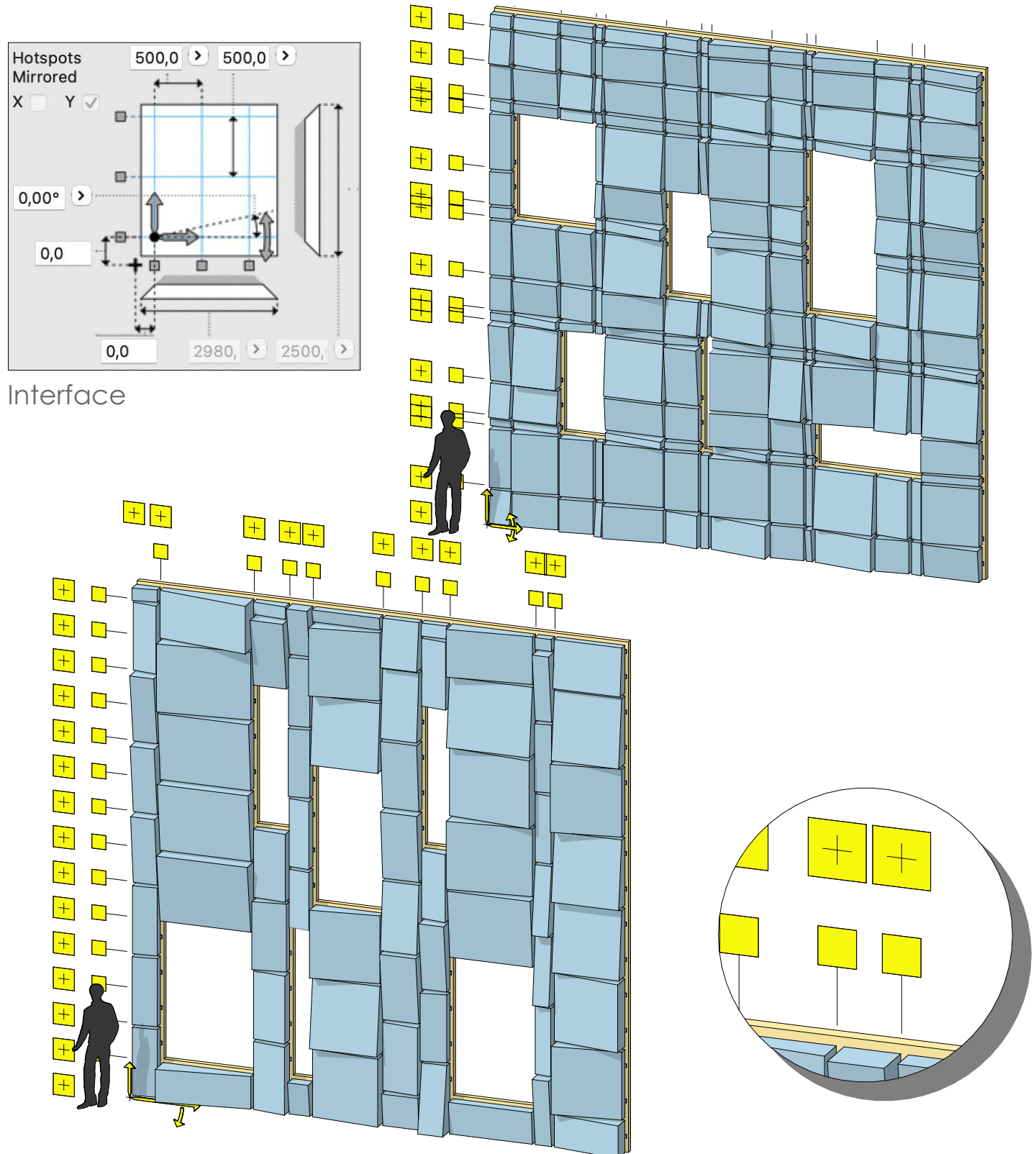


ArchiRADAR

CLADDING ARCHICAD OBJECT

Grid - Editable

You can edit single rows and columns. Delete or add new ones

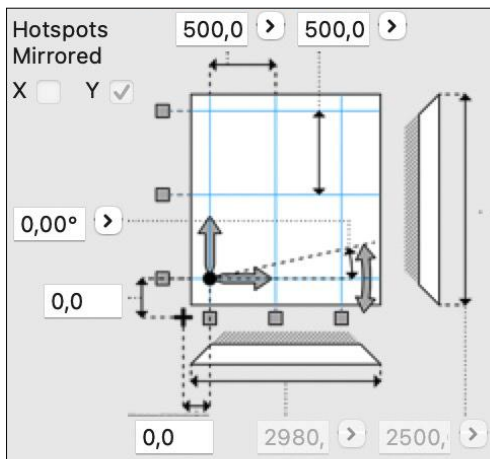


ArchiRADAR

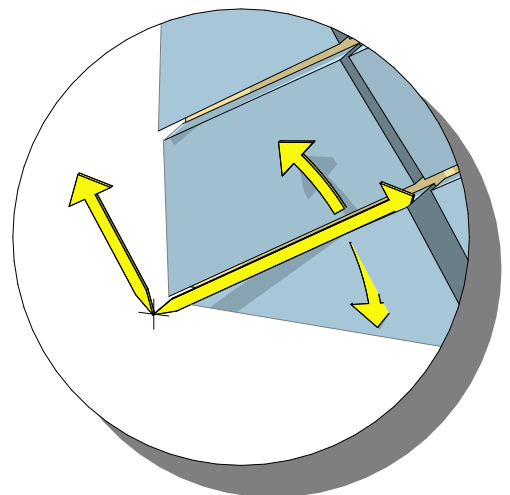
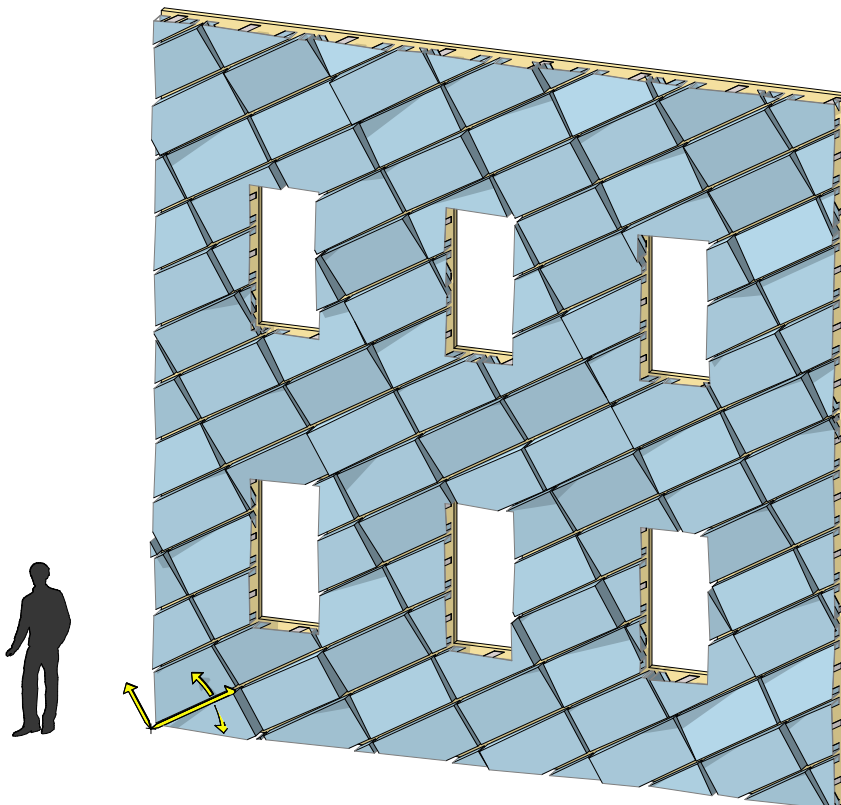
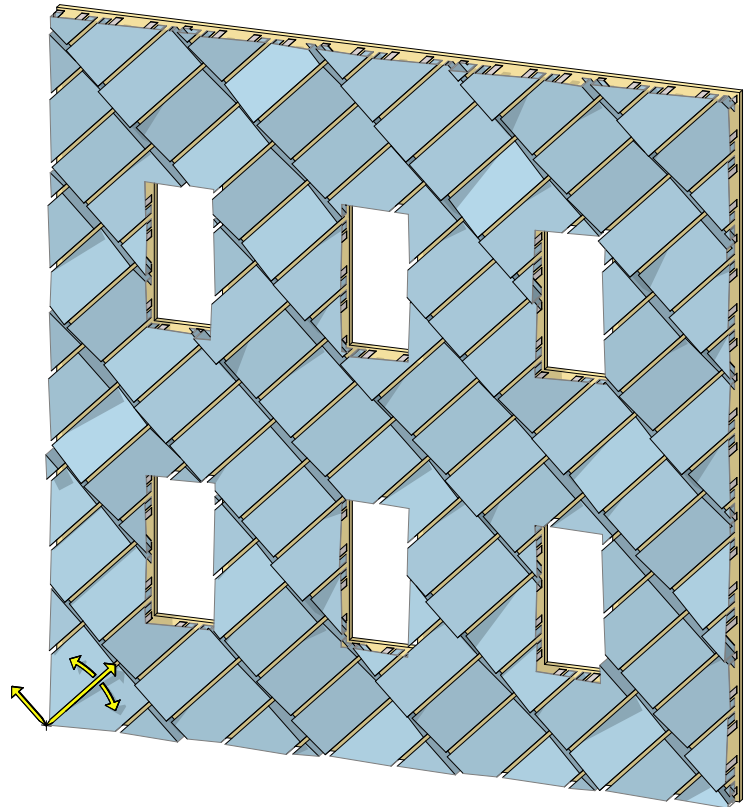
CLADDING ARCHICAD OBJECT

Grid - Rotable

You can rotate the grid 360 degree



Interface

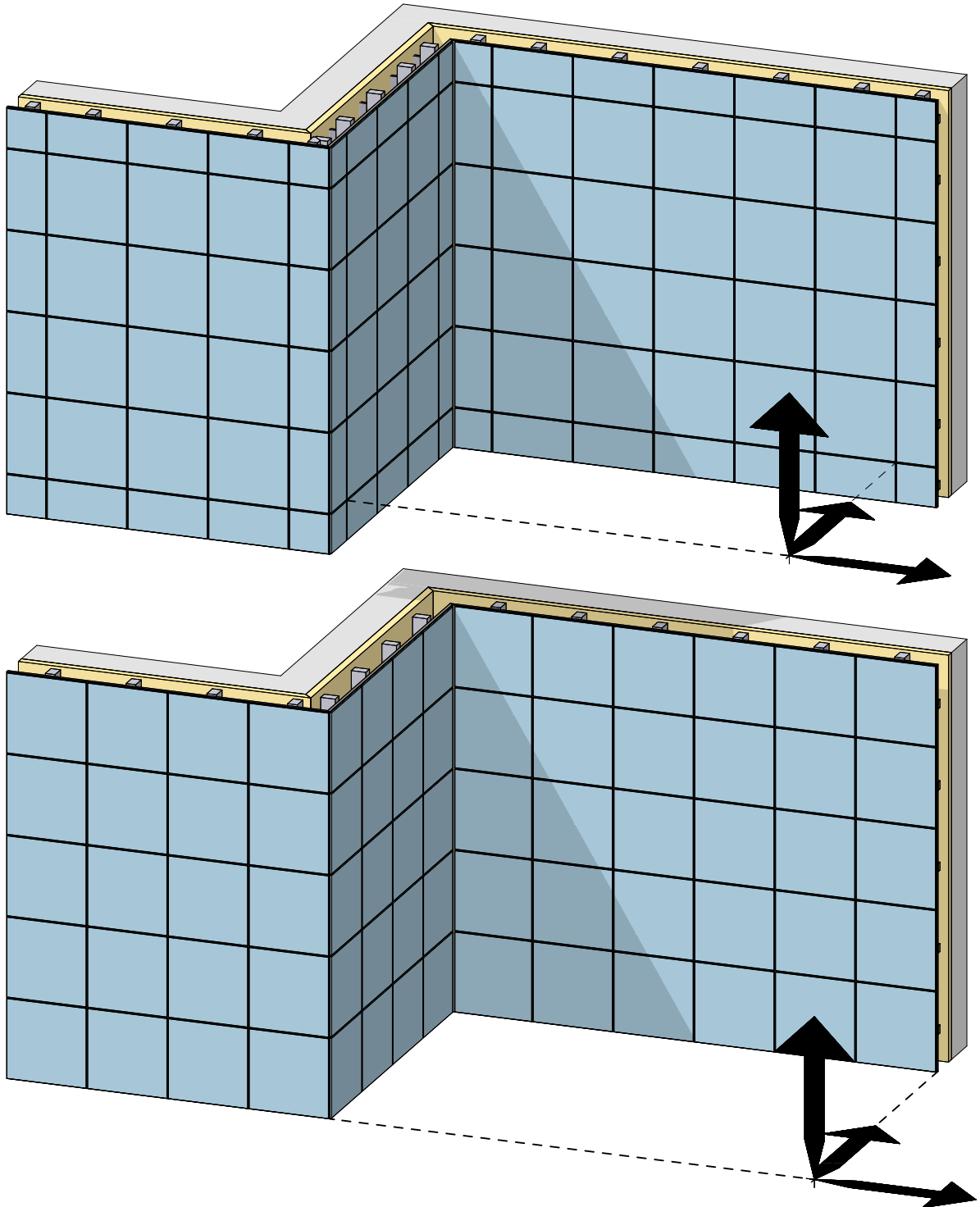


ArchiRADAR

CLADDING ARCHICAD OBJECT

Grid - Absolute Origin

You can manage a unique origin for all the cladding; if you have applied the cladding using the accessory on a complex building you can use this option to quickly manage with a single hotspot the origin of multiple claddings. The origin is referenced to the absolute coordinates of the design.

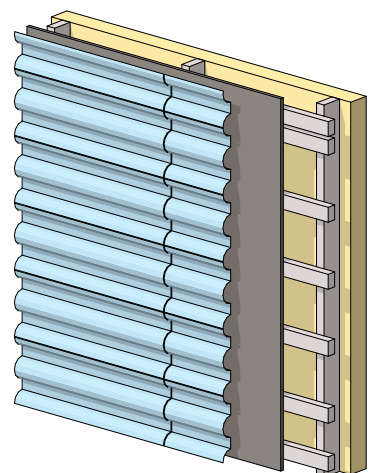
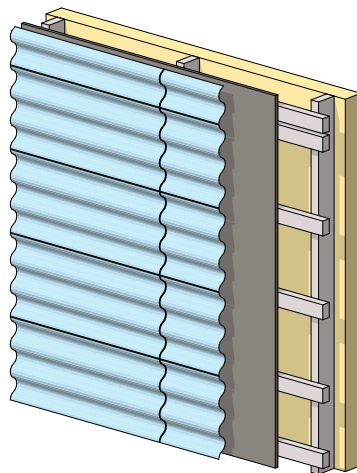
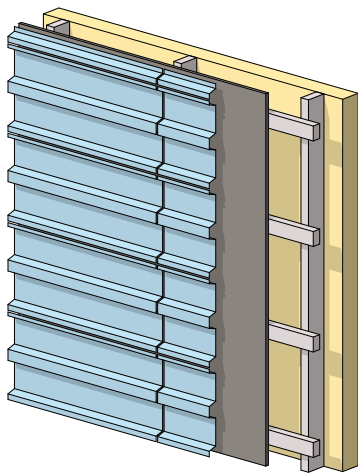
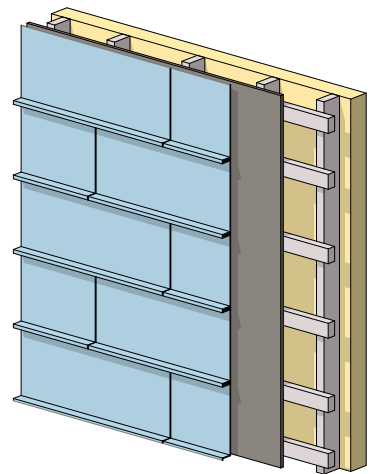
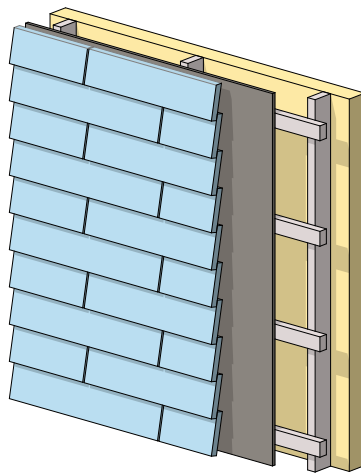
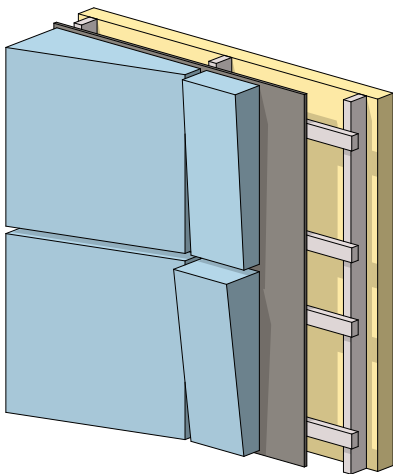
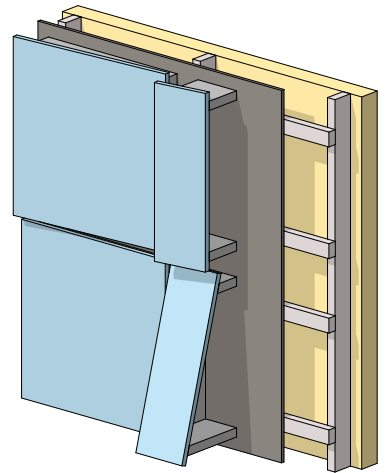
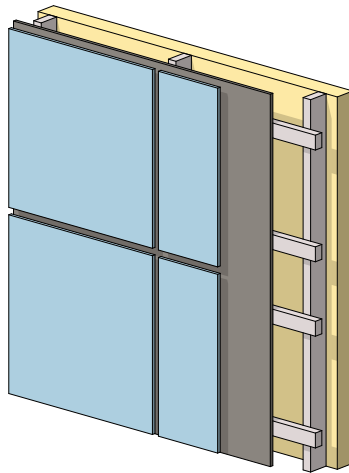
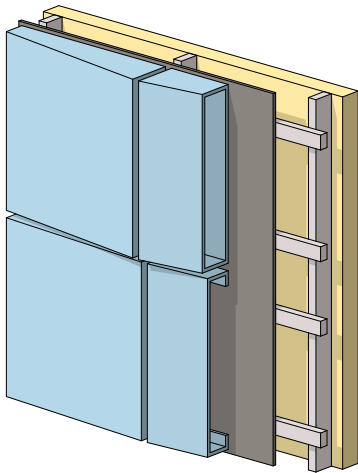


ArchiRADAR

CLADDING ARCHICAD OBJECT

Panel - Type of panel

You can manage the detail of the panel: horizontal and vertical offset, depth, overhang

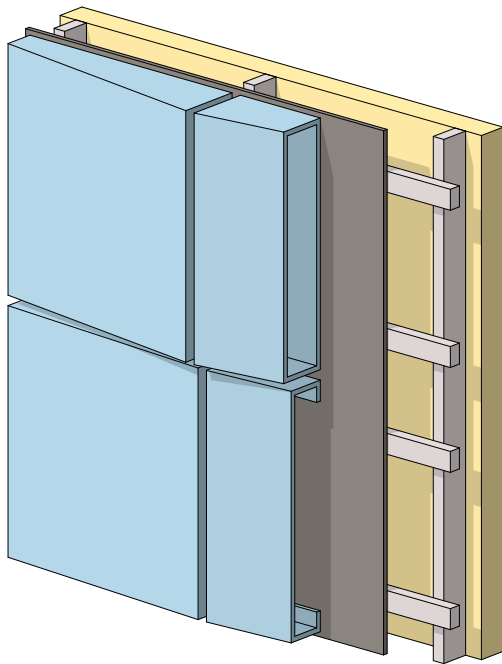


ArchiRADAR

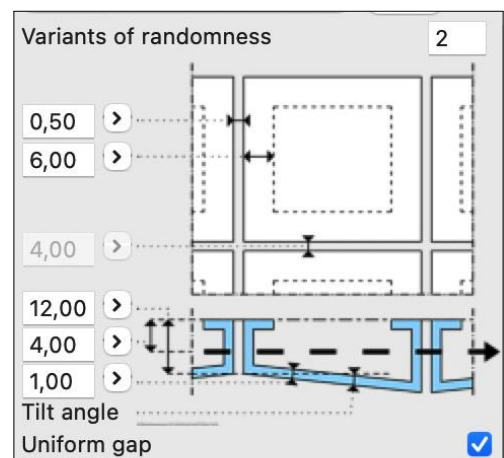
CLADDING ARCHICAD OBJECT

Panel - Type of panel

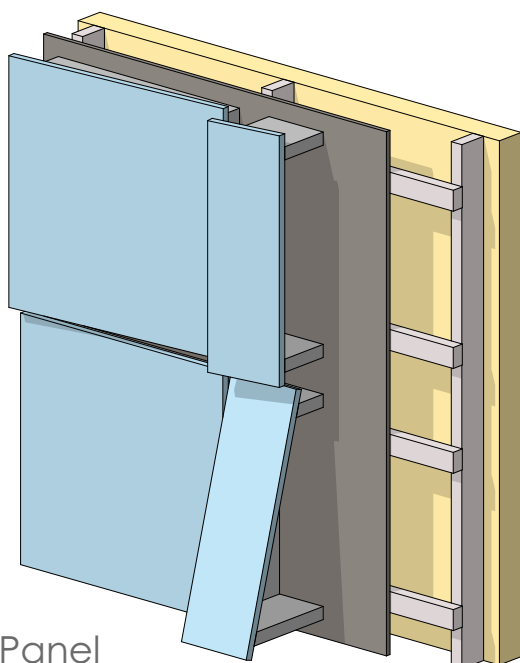
You can manage the detail of the panel: horizontal and vertical offset, depth, overhang



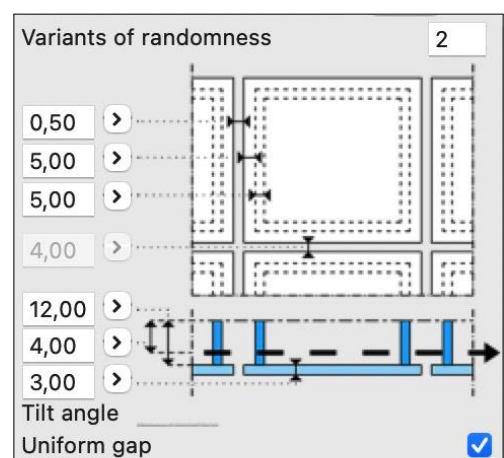
Box Panel



Interface of the object



Flat Panel



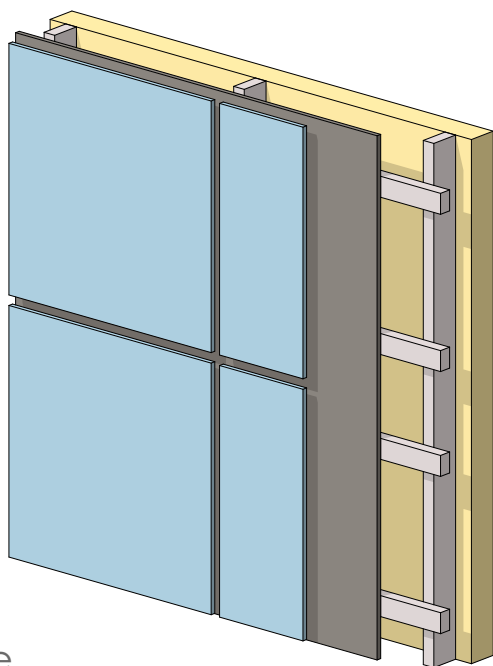
Interface of the object

ArchiRADAR

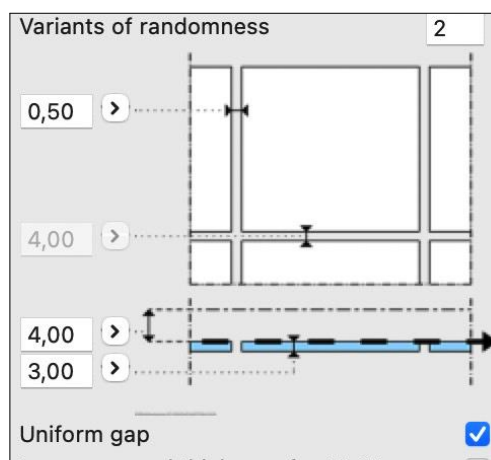
CLADDING ARCHICAD OBJECT

Panel - Type of panel

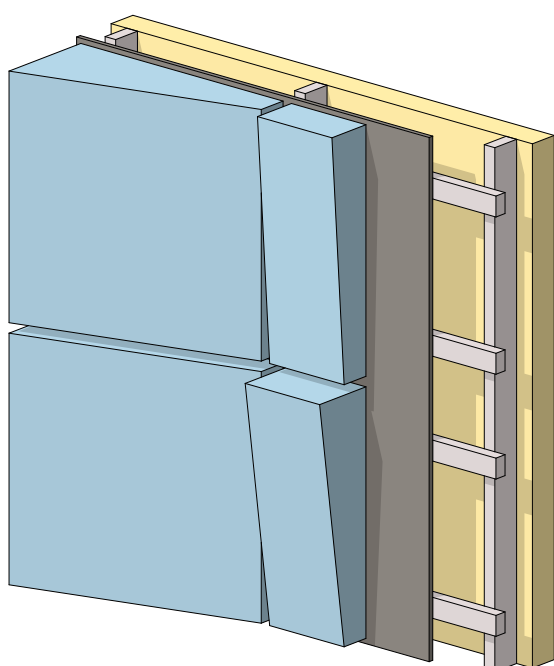
You can manage the detail of the panel: horizontal and vertical offset, depth, overhang



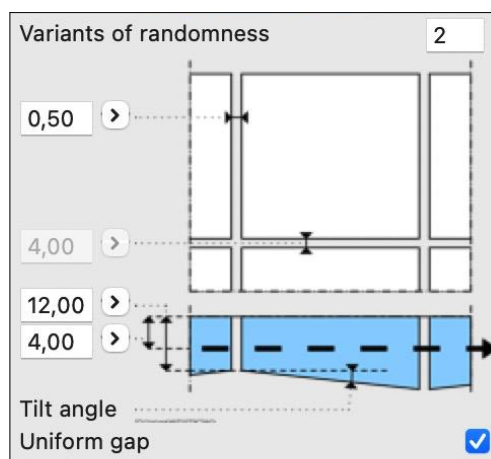
Simple



Interface of the object



Full



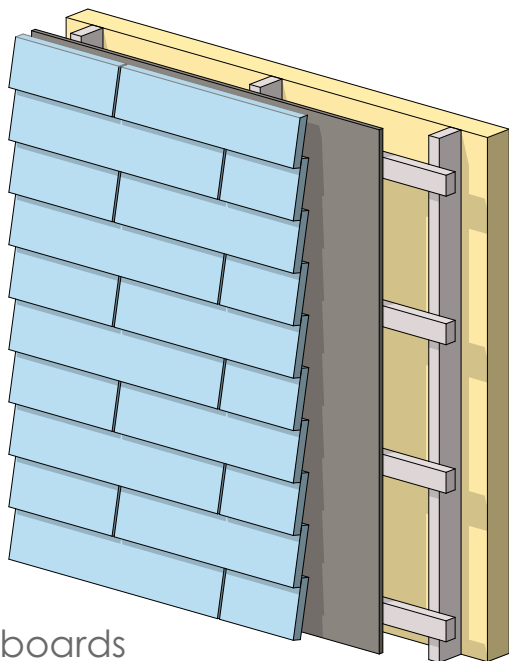
Interface of the object

ArchiRADAR

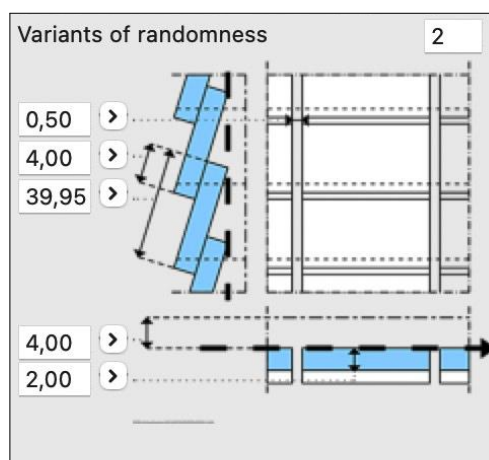
CLADDING ARCHICAD OBJECT

Panel - Type of panel

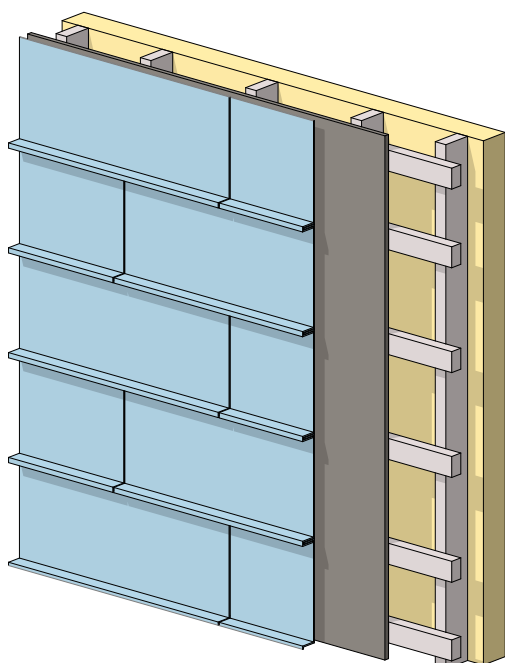
You can manage the detail of the panel: horizontal and vertical offset, depth, overhang



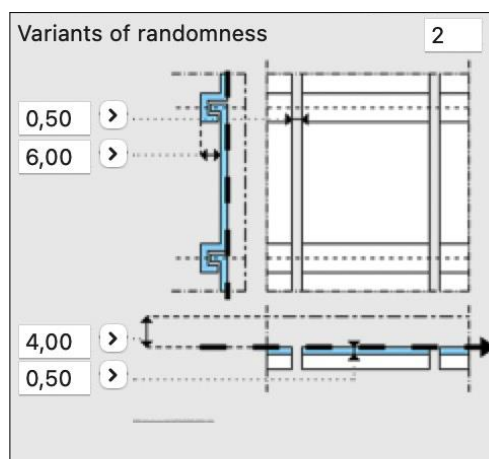
Clapboards



Interface of the object



Strips



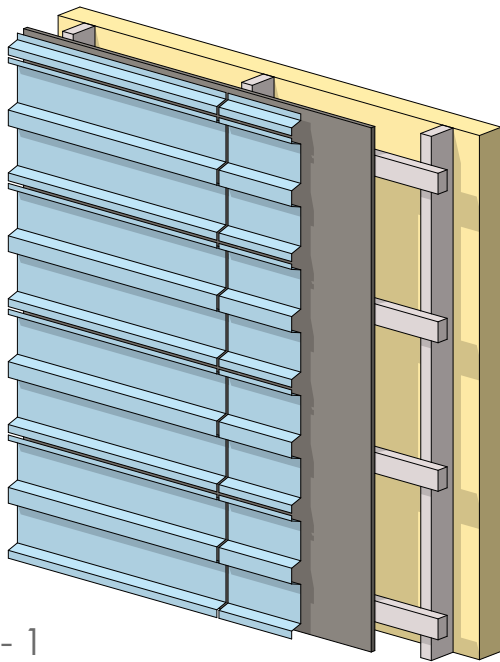
Interface of the object

ArchiRADAR

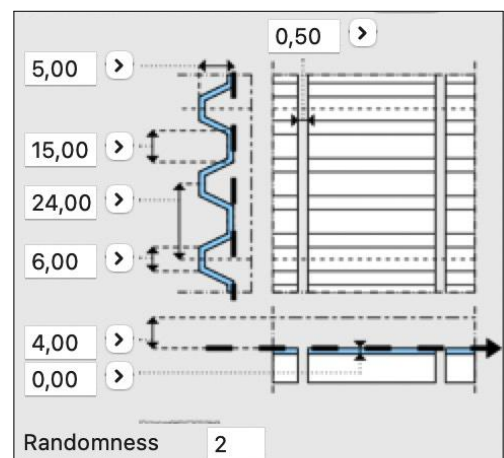
CLADDING ARCHICAD OBJECT

Panel - Type of panel

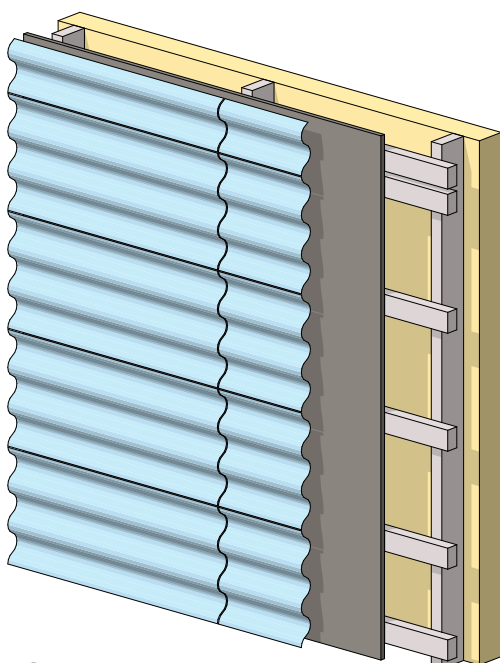
You can manage the detail of the panel: horizontal and vertical offset, depth, overhang



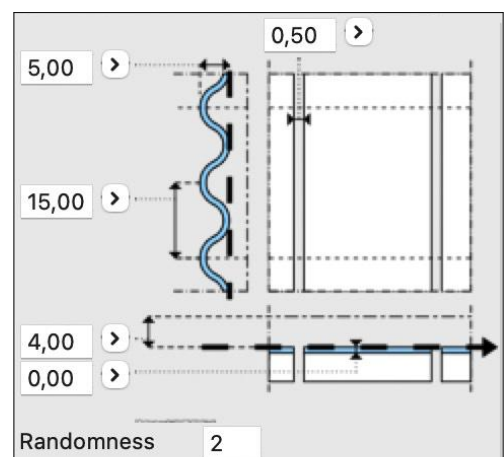
Steel - 1



Interface of the object



Steel - 2



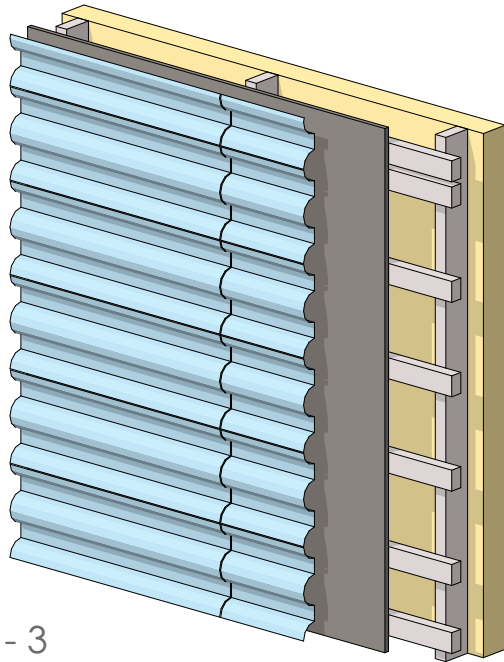
Interface of the object

ArchiRADAR

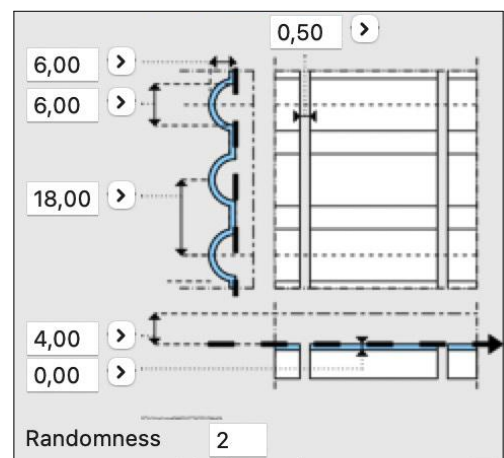
CLADDING ARCHICAD OBJECT

Panel - Type of panel

You can manage the detail of the panel: horizontal and vertical offset, depth, overhang



Steel - 3



Interface of the object

ArchiRADAR

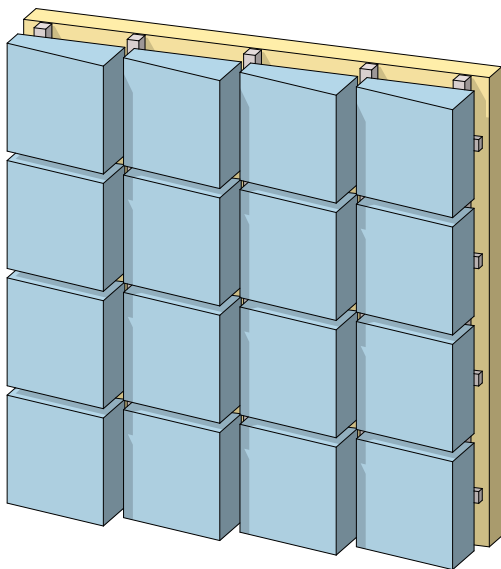
CLADDING ARCHICAD OBJECT

Panel - Tilt direction

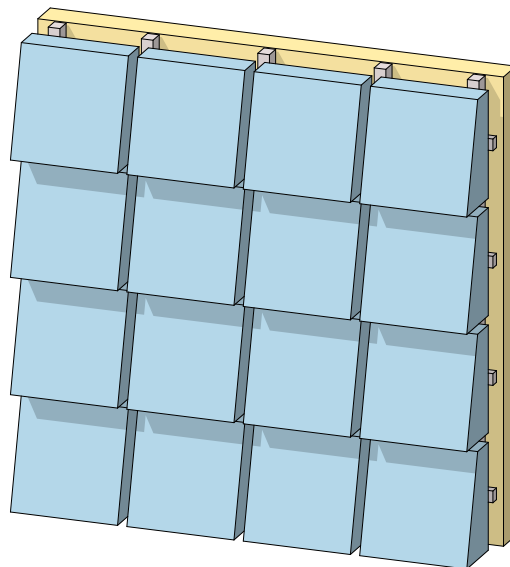
You can manage a grid with personal dimension or automatic redistribution of the panels in the two directions. You have also the possibility to choose the numbers of panel in both directions. Directly in the 3d windows you can manage the origin of the grid and its dimension.

General	Up	>	RND	<input checked="" type="checkbox"/>
Tilt angle				
0,00	>	RND	<input checked="" type="checkbox"/>	Min 5,00 > Max 10,0 >
Depth				
120,	>	RND	<input type="checkbox"/>	Min 49,0 > Max 50,0 >
Surfaces				

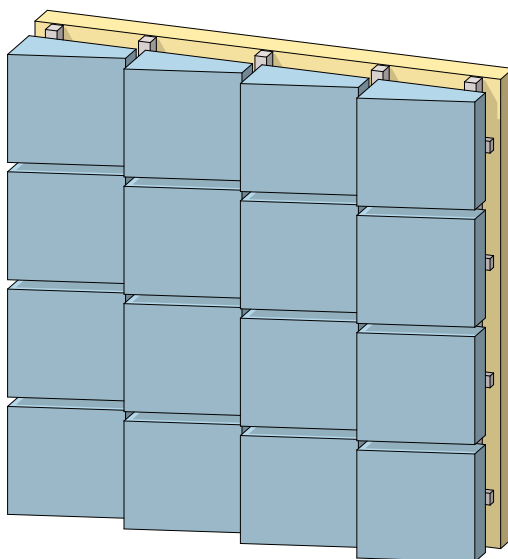
Interface



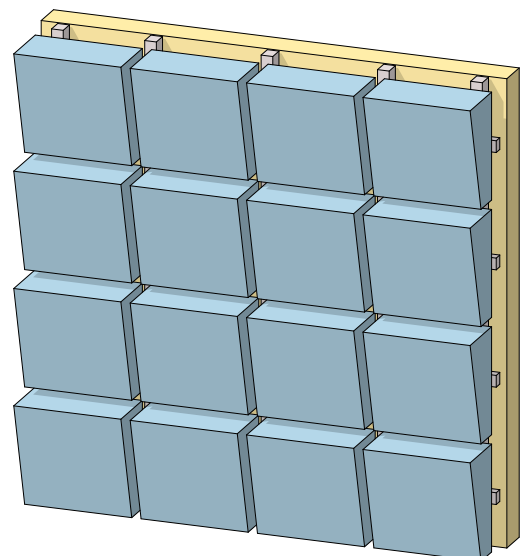
Left



Up



Right



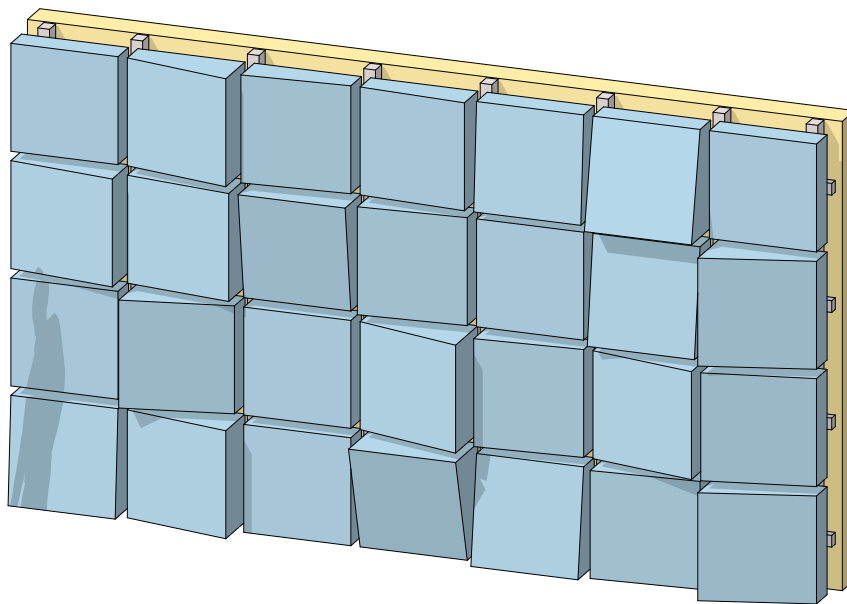
Down

ArchiRADAR

CLADDING ARCHICAD OBJECT

Panel - Random Tilt direction and angle, random depth

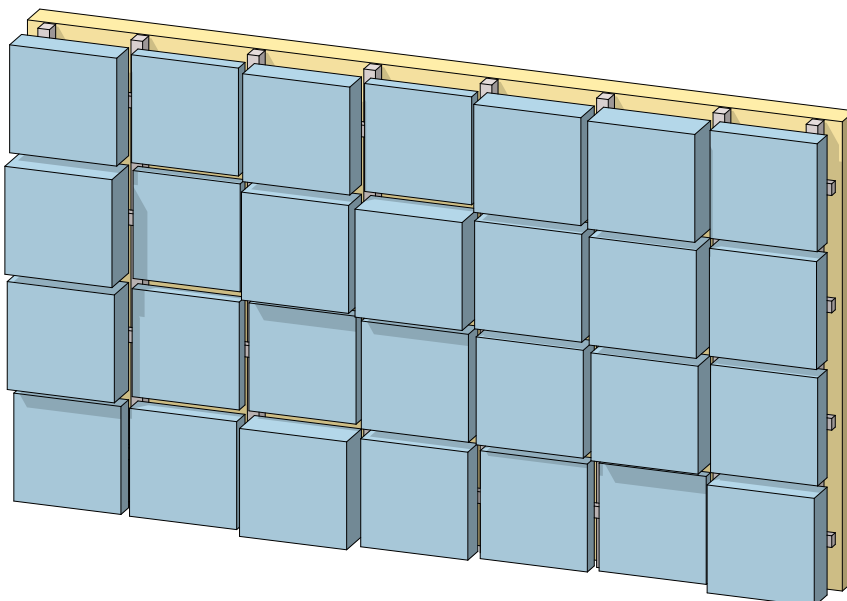
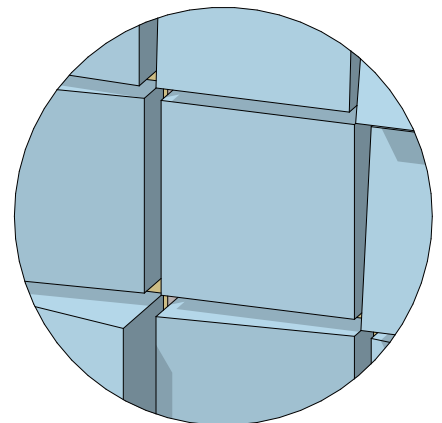
You can manage a grid with personal dimension or automatic redistribution of the panels in the two directions. You have also the possibility to choose the numbers of panel in both directions. Directly in the 3d windows you can manage the origin of the grid and its dimension.



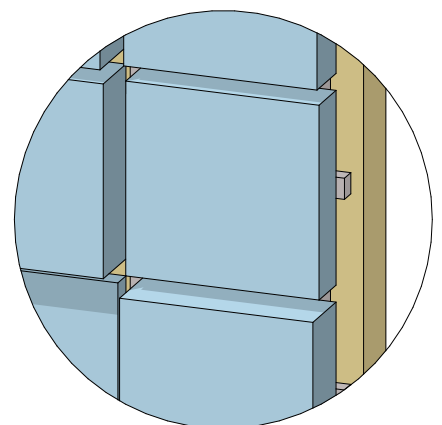
Random tilt and direction

General	Up	>	RND	<input checked="" type="checkbox"/>
Tilt angle				
0,00	>	RND	<input checked="" type="checkbox"/>	Min 5,00 > Max 10,0 >
Depth				
120,	>	RND	<input type="checkbox"/>	Min 49,0 > Max 50,0 >
Surfaces				

Interface of the object



Random depth

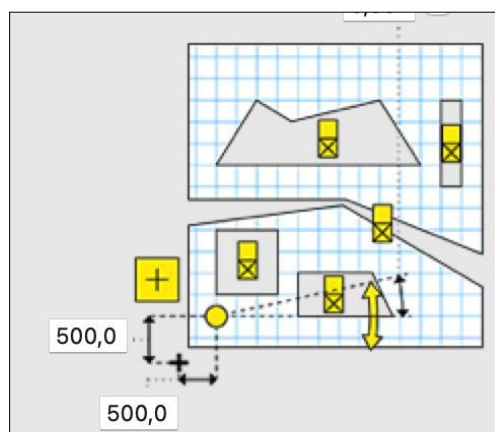


ArchiRADAR

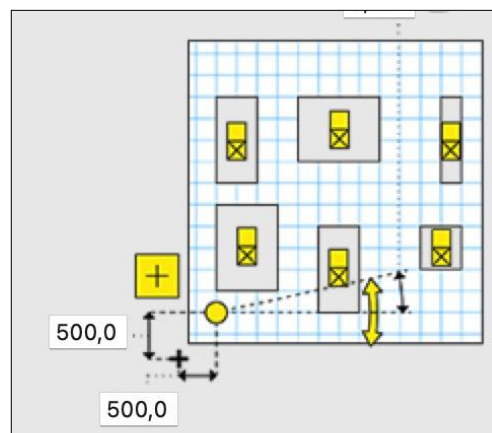
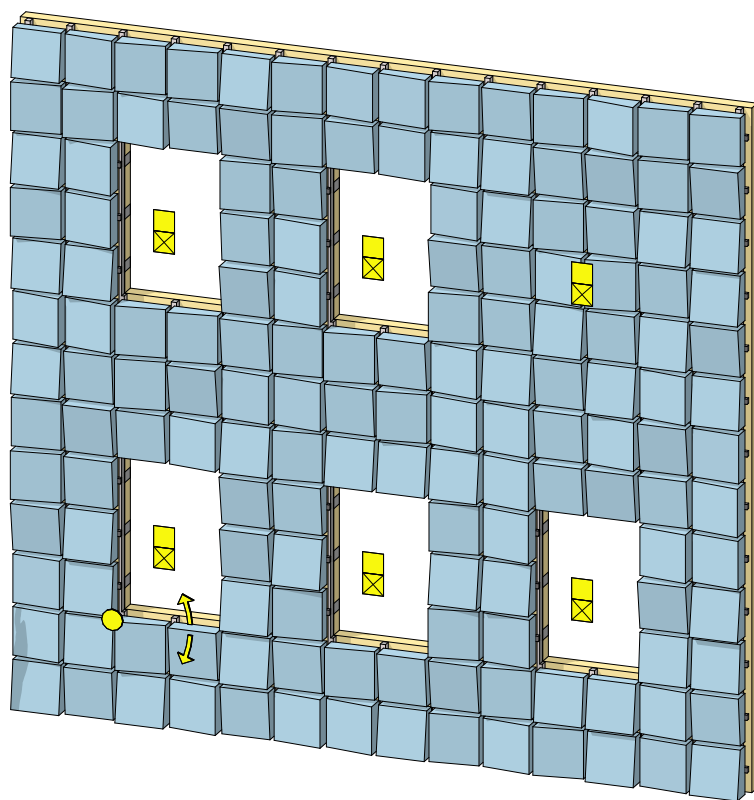
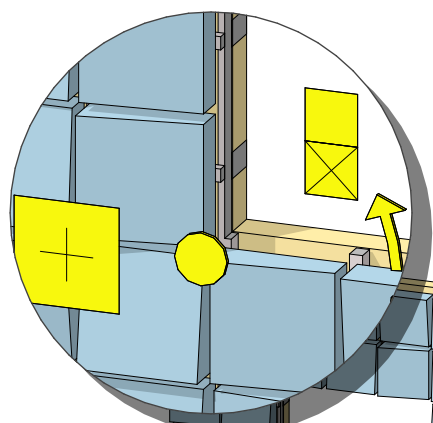
CLADDING ARCHICAD OBJECT

Holes - Regular grid and personal holes

You can manage a grid of holes or individually edit their dimension. Editable hotspot are available on the 3d window to edit and add new holes



Interface



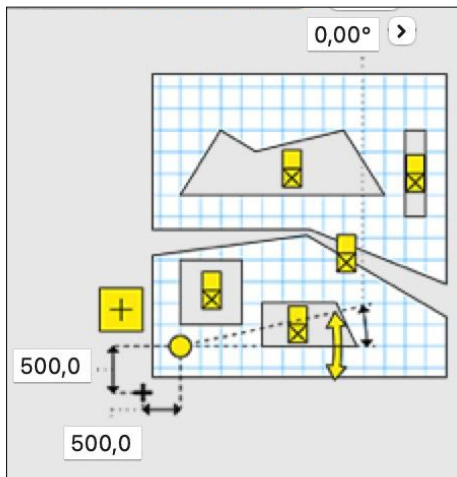
Interface

ArchiRADAR

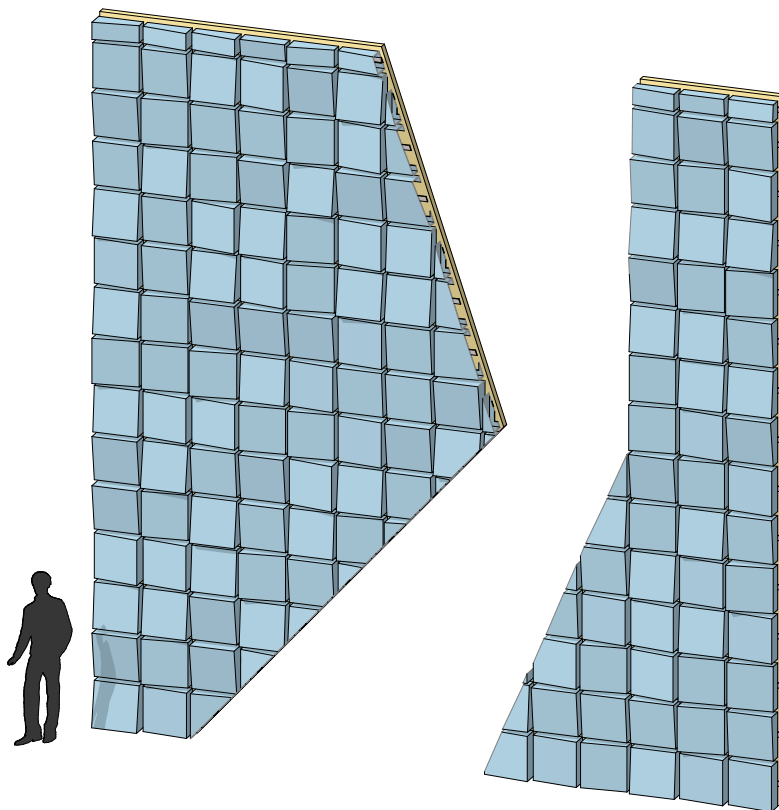
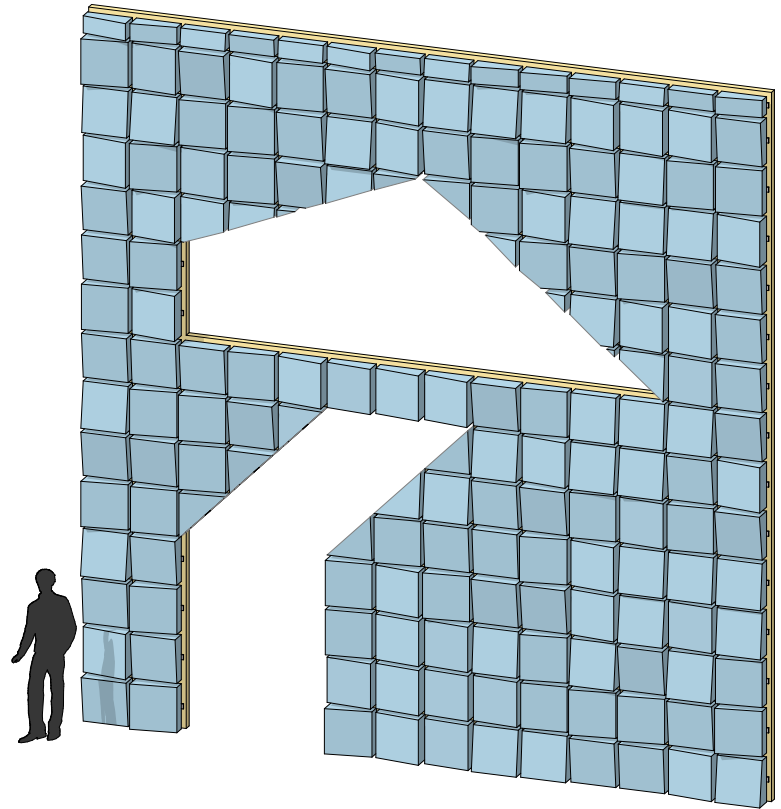
CLADDING ARCHICAD OBJECT

Holes - Irregular e more complex polygons

You can edit the vertices independently, add and remove further vertices.



Interface

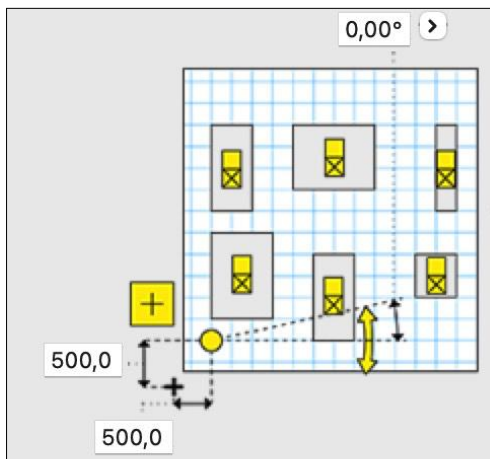


ArchiRADAR

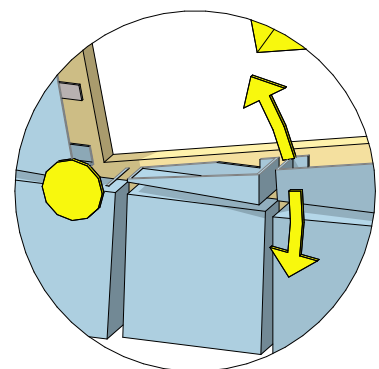
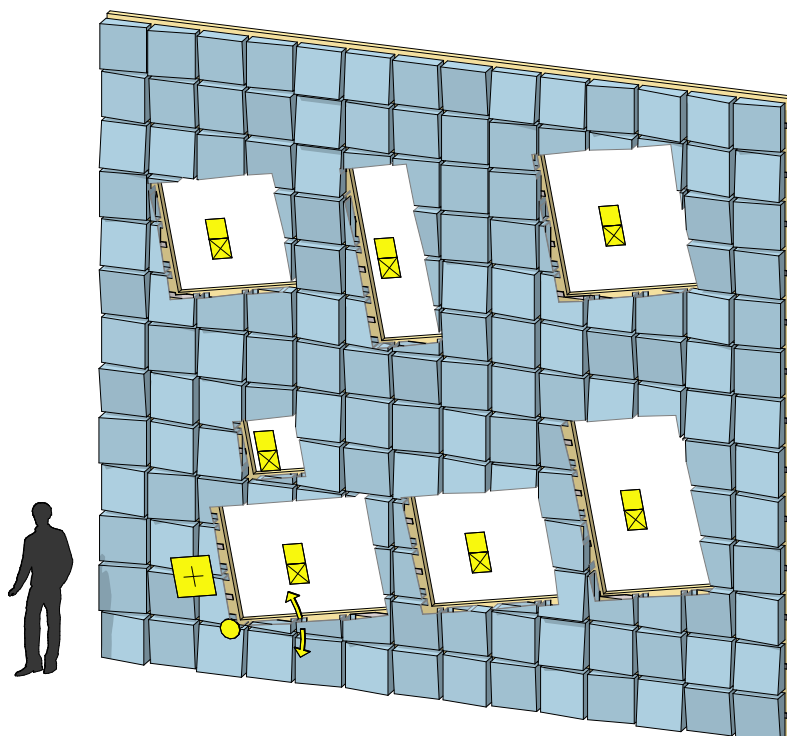
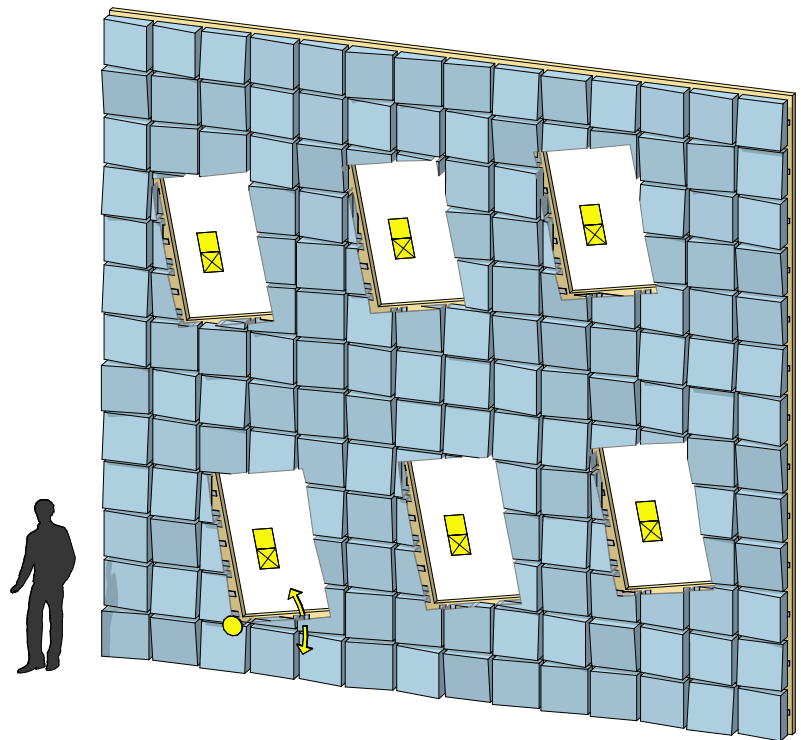
CLADDING ARCHICAD OBJECT

Holes - Possibility to drag and rotate all the holes together

You can move a base point of all the holes; the same point is the center of a general rotation.



Interface



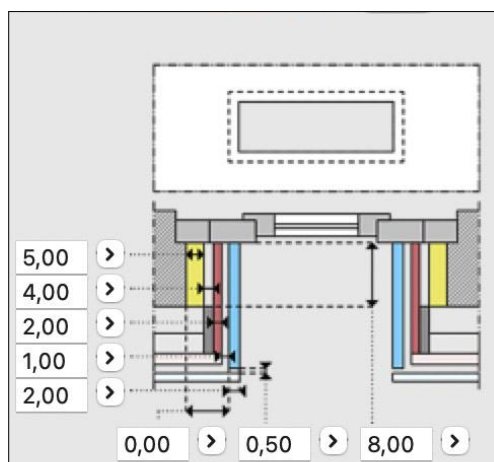
ArchiRADAR

CLADDING ARCHICAD OBJECT

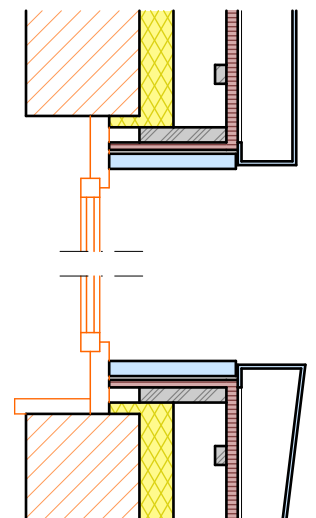
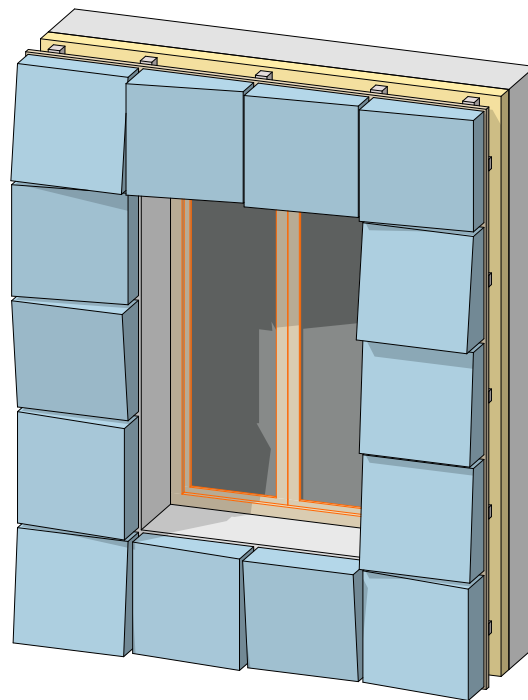
Holes - Frame types

You can turn on to kind of frame: internal ed external frame. The frame have additional layers of insulation, substructure and boards.

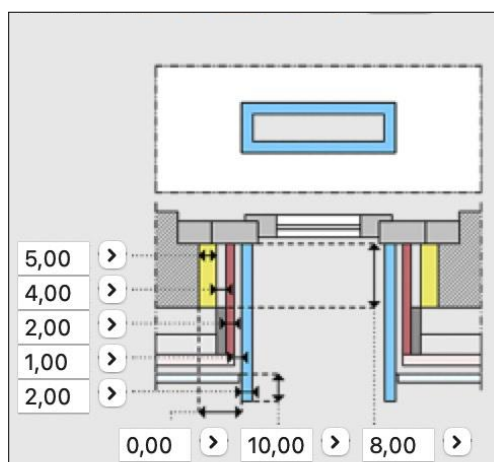
INTERNAL FRAME



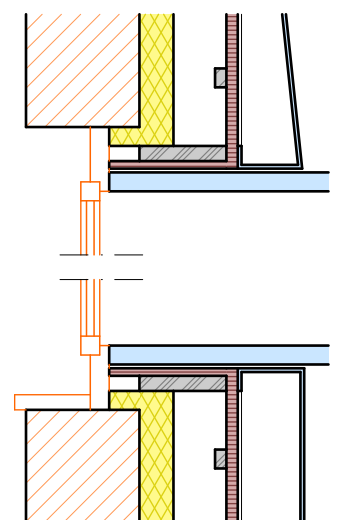
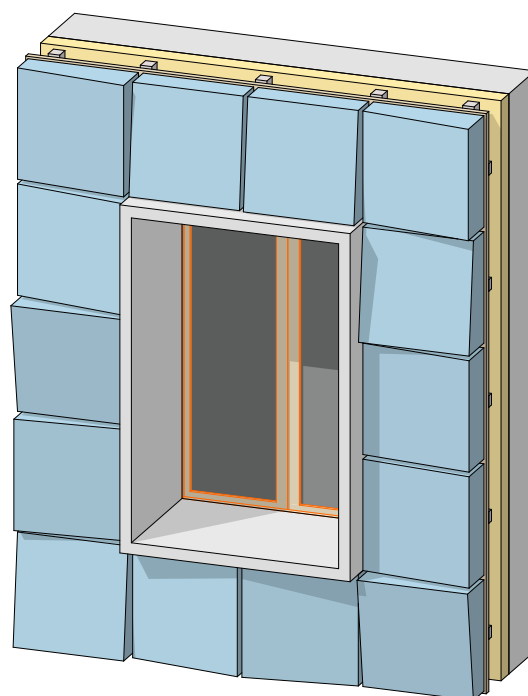
Interface



EXTERNAL FRAME



Interface

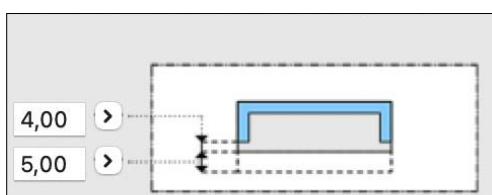
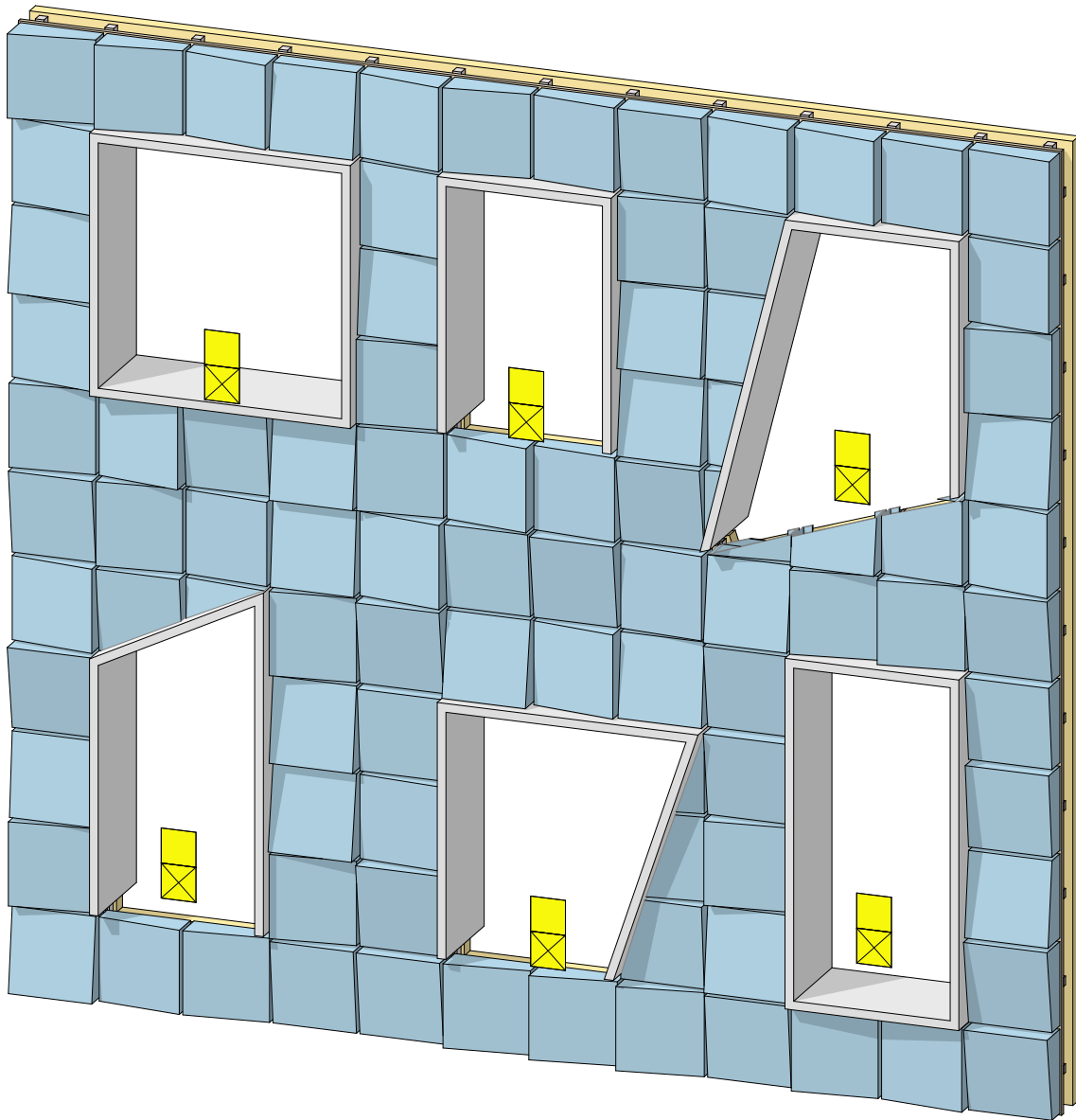


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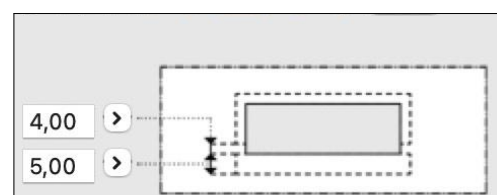
CLADDING ARCHICAD OBJECT

Holes - Frame Sll

You can turn off the sill of the frame individually for each single holes, to use the sill of the window. You can manage also the void under the panels to leave space for the sill of the window.



Interface



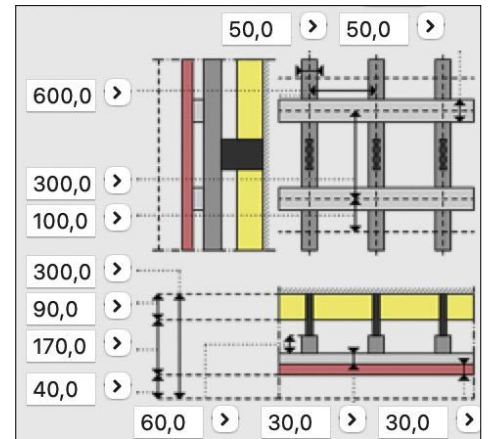
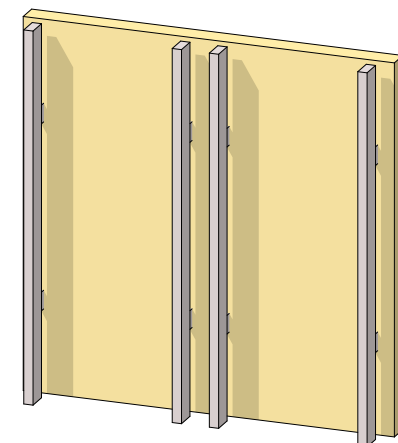
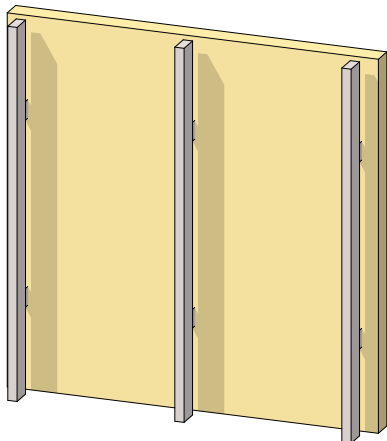
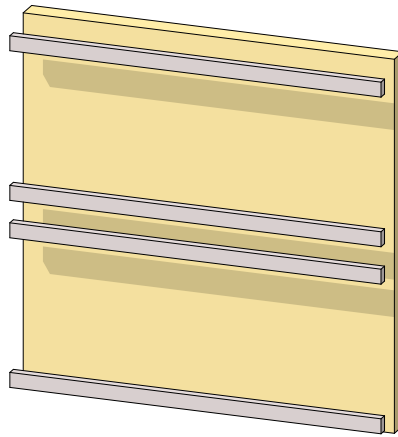
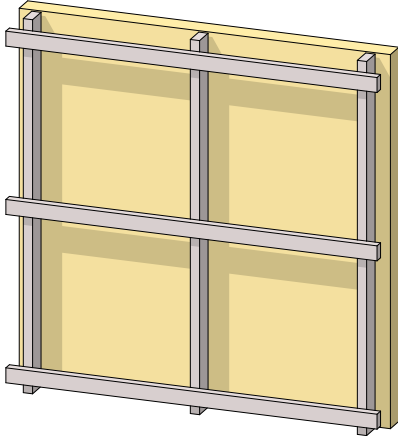
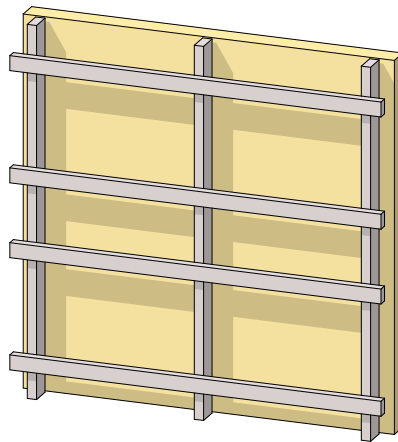
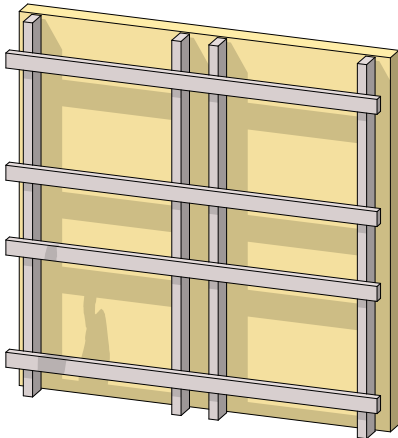
Interface

ArchiRADAR

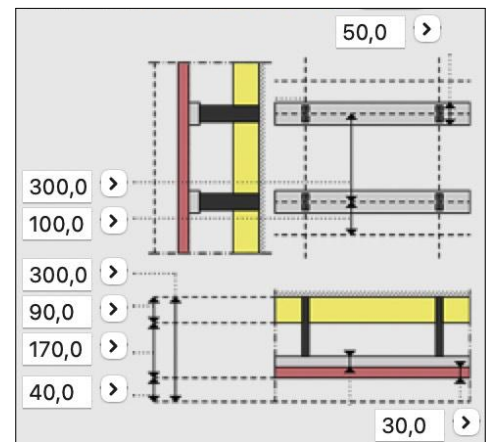
CLADDING ARCHICAD OBJECT

Structure - Vertical and Horizontal structure with insulation

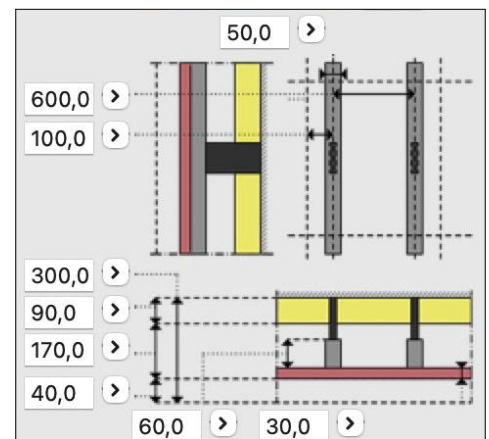
You can manage the structure with different position of the profiles. Horizontal and vertical profile can be placed on the joints or have an offset from the side. In the same interface dialog you can manage the depth of the whole cladding: insulation, structure, panels, boards. The structure can be dependent or independent from the position of the panels.



Interface - Structure



Interface - Structure



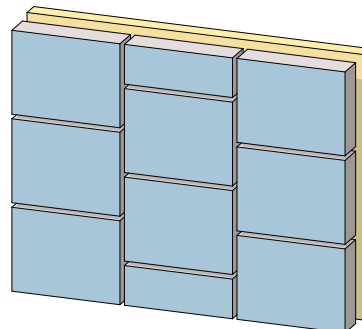
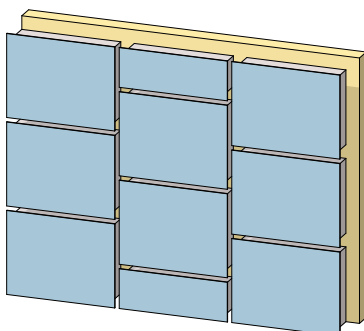
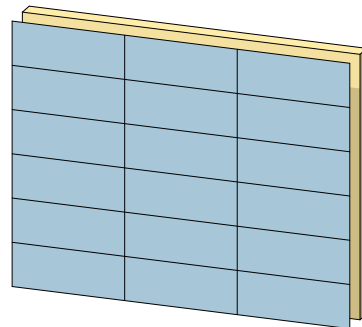
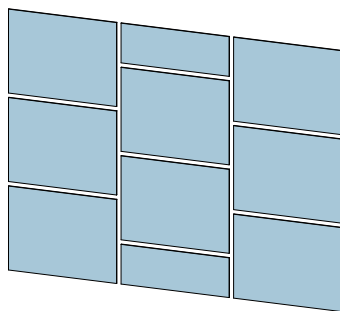
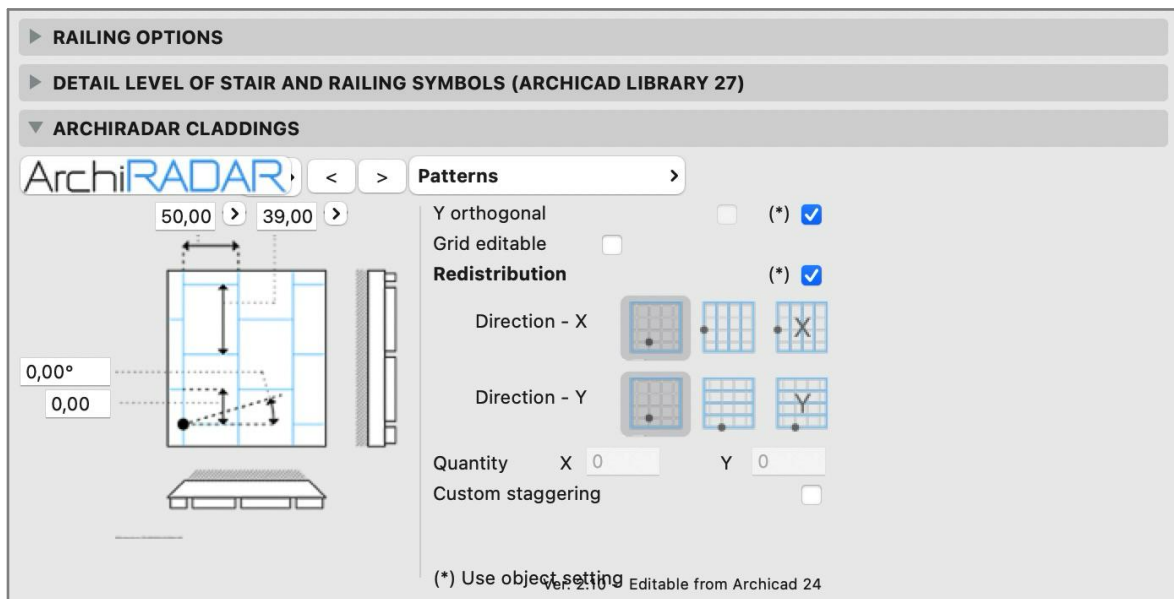
Interface - Structure

ArchiRADAR

CLADDING ARCHICAD OBJECT

Model View Options - Detail

Using Model View Option you can create different solutions and apply them to all the cladding in few seconds without editing every single objects. Using too many "by MVO" setting can affect the speed in editing the cladding objects when you have many objects.

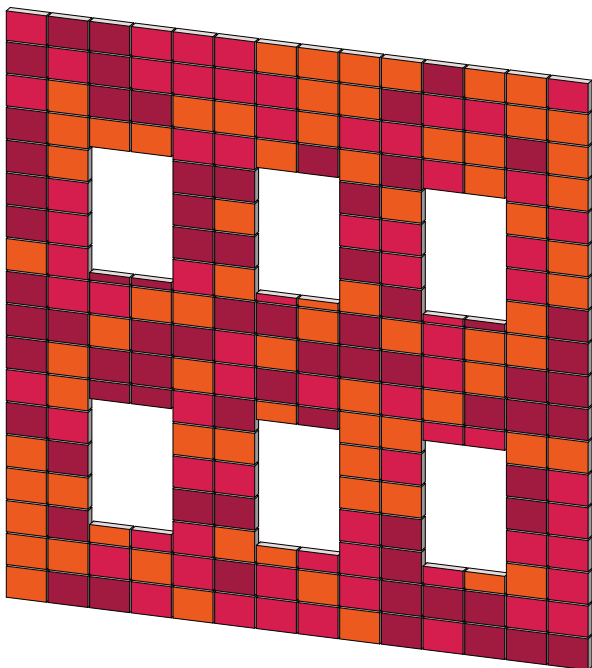
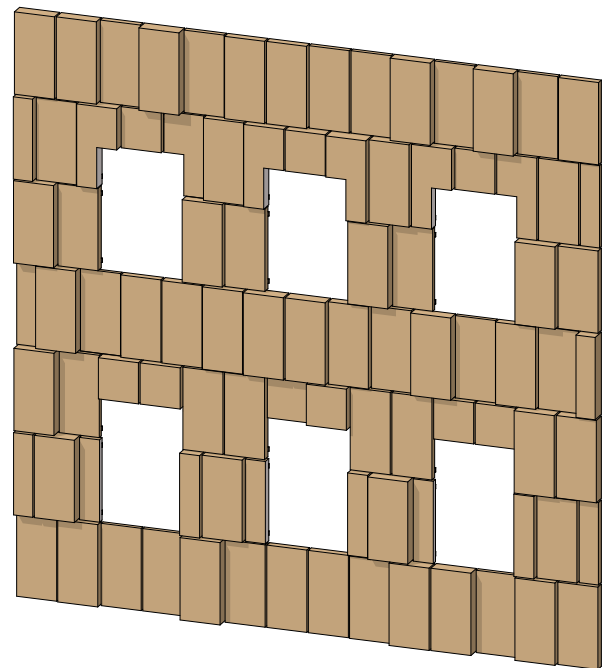
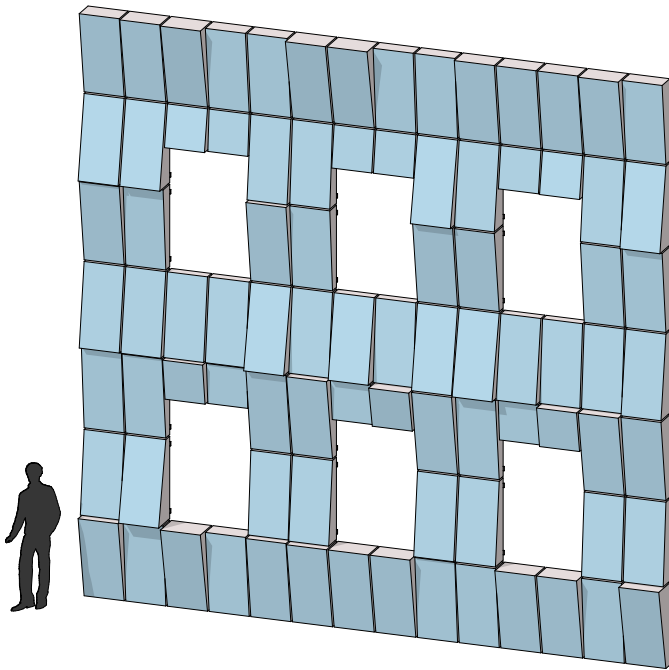


ArchiRADAR

CLADDING ARCHICAD OBJECT

Model View Options - Patterns, grid and panels

Using Model View Option you can create different solutions and apply them to all the cladding in few seconds without editing every single objects. Using too many "by MVO" setting can affect the speed in editing the cladding objects when you have many objects.

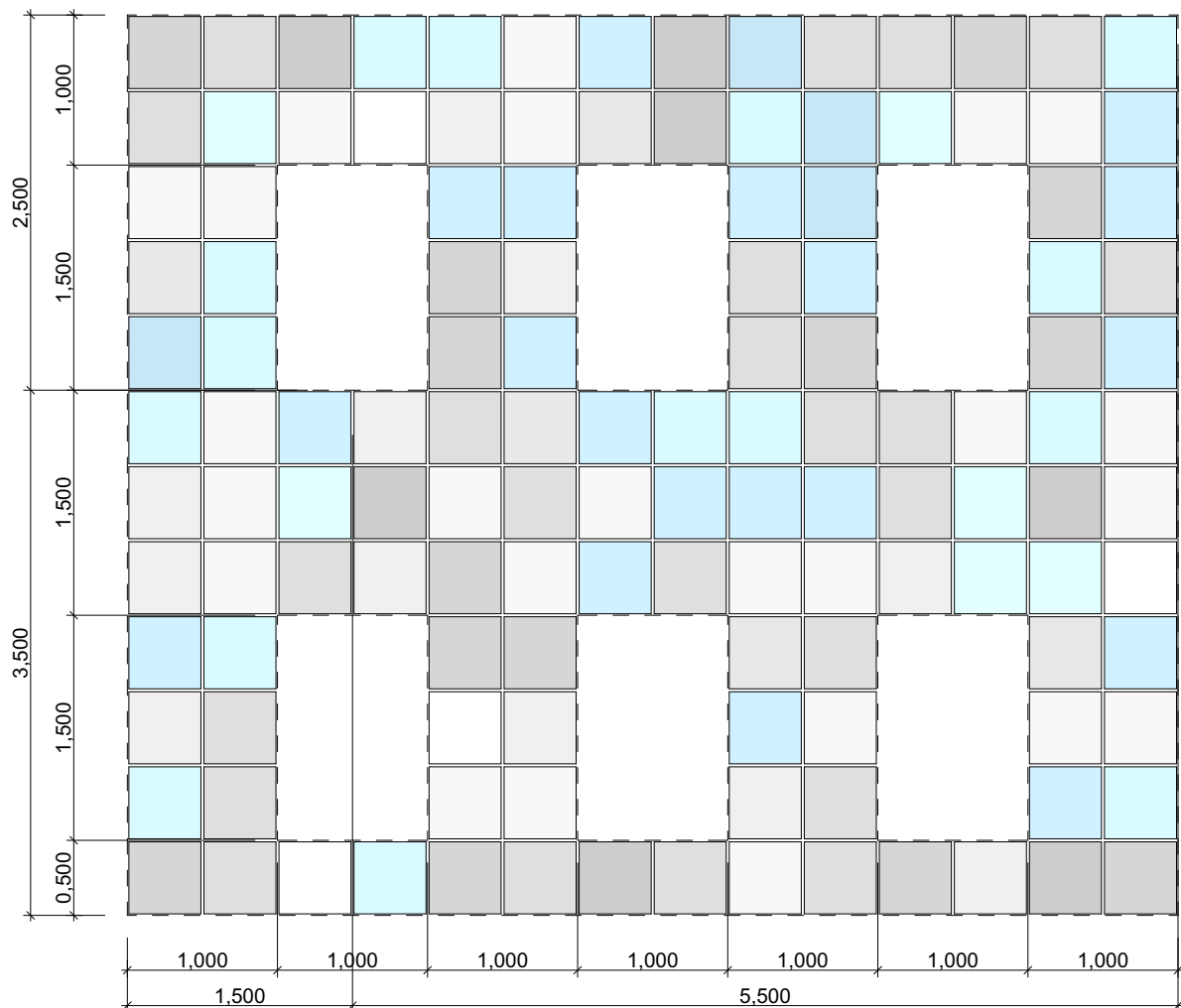


ArchiRADAR

CLADDING ARCHICAD OBJECT

Scheme - Schedule in floor plan

With this option you can visualize a scheme of the cladding in the floor plan; you can edit the cladding as in 3d; you can rotate and arrange schemes of different objects to manage them together in a single view. This option is very useful for designers to manage in a single view all the claddings.



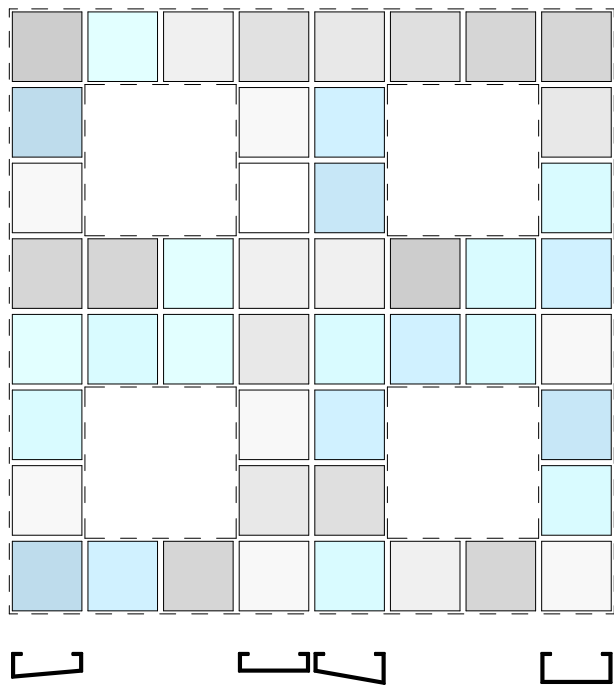
ArchiRADAR

CLADDING ARCHICAD OBJECT

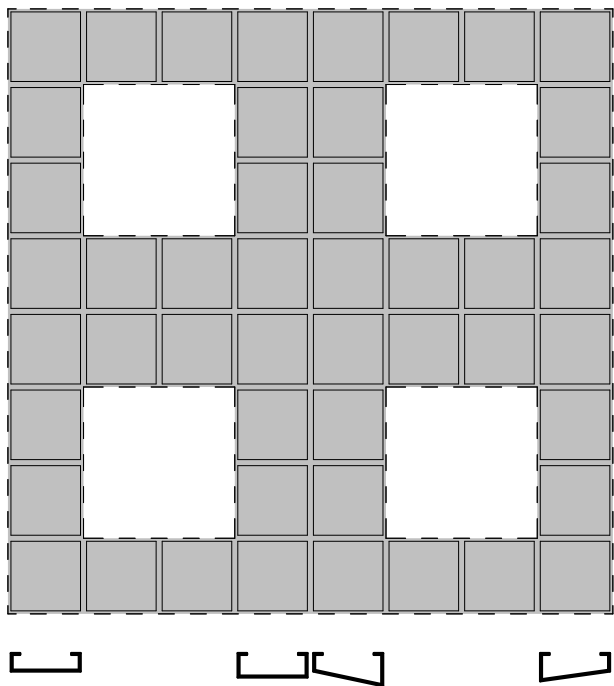
Scheme - Schedule in floor plan

The scheme has three different visualization options.

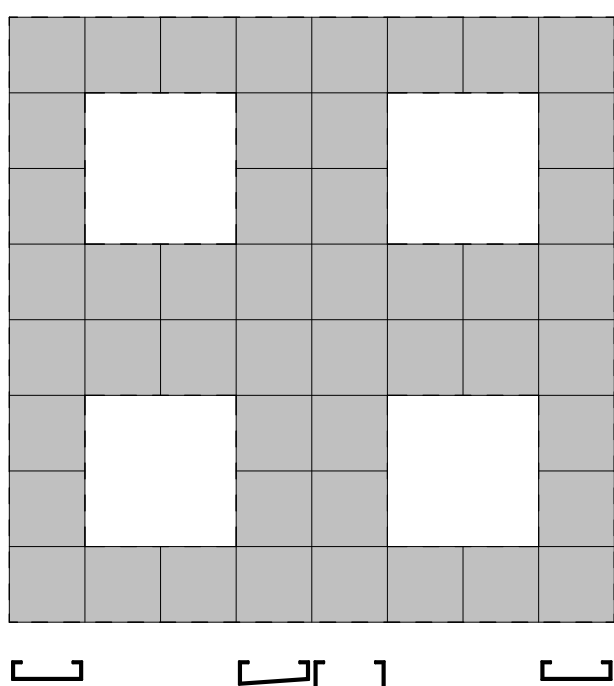
Only panels



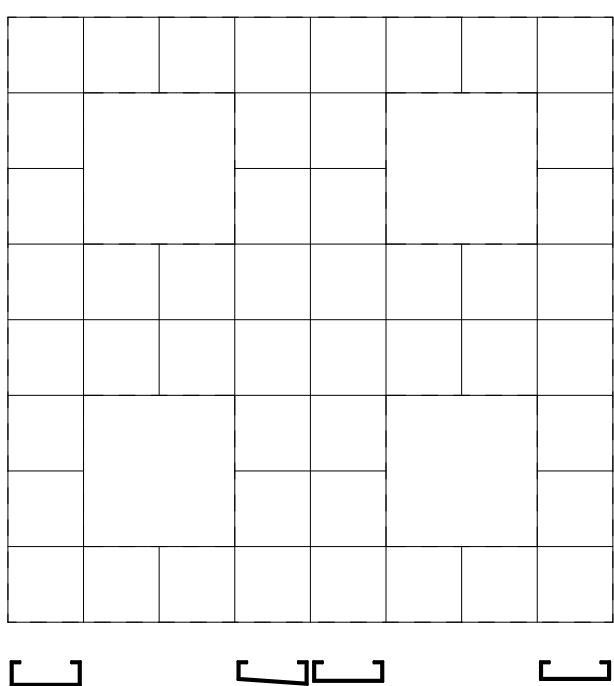
Schematic panels



Schematic plane



Schematic lines

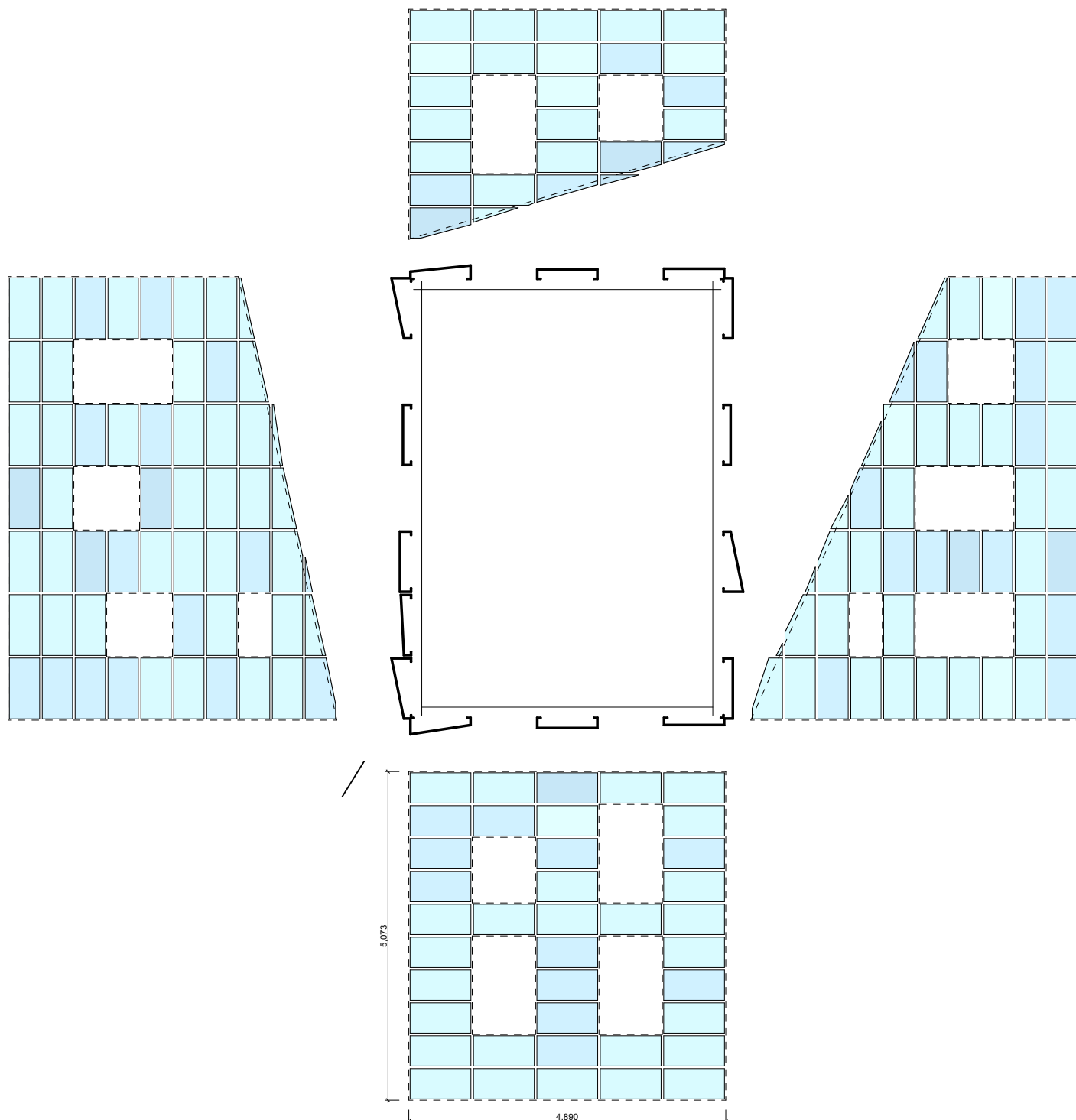


ArchiRADAR

CLADDING ARCHICAD OBJECT

Scheme - Schedule in floor plan

You can automatically adjust the position of the scheme in front of the cladding

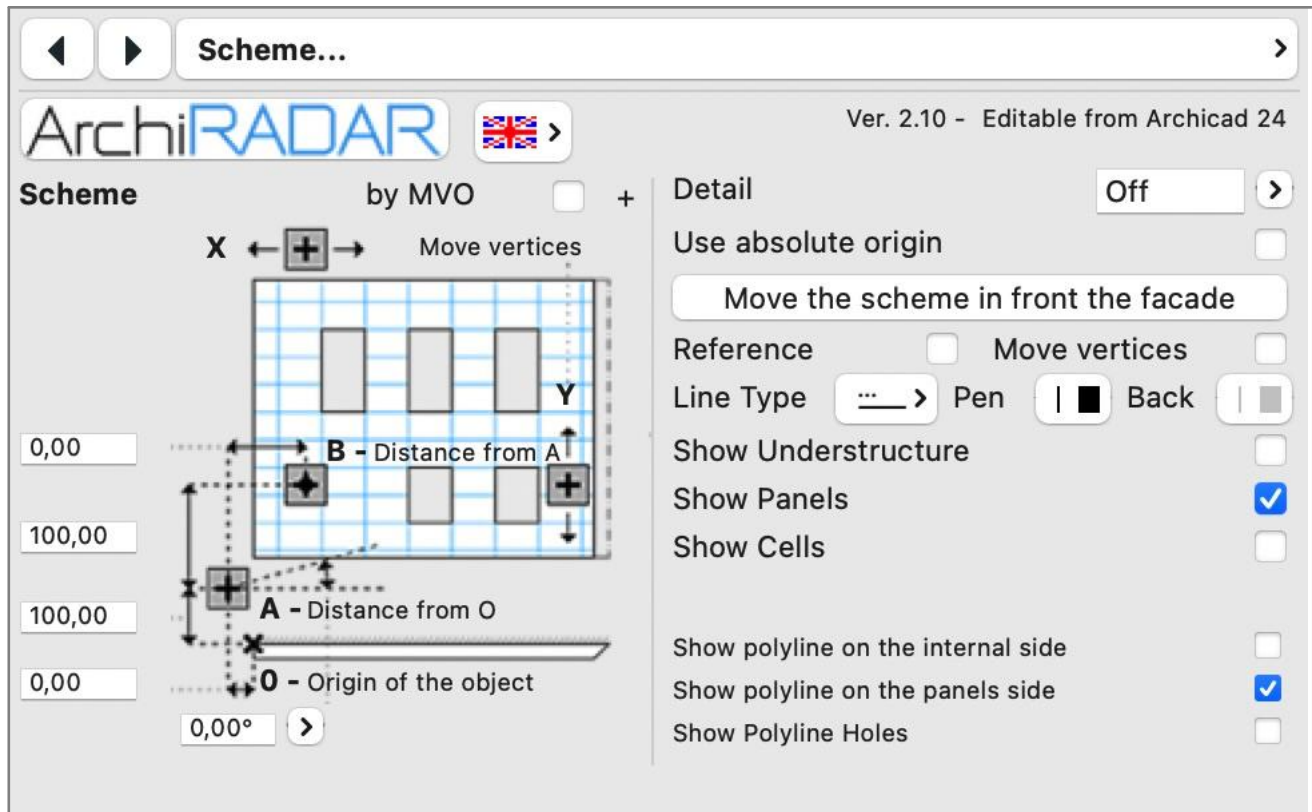


ArchiRADAR

CLADDING ARCHICAD OBJECT

Scheme - Schedule in floor plan

New dialog setting for scheme



ArchiRADAR

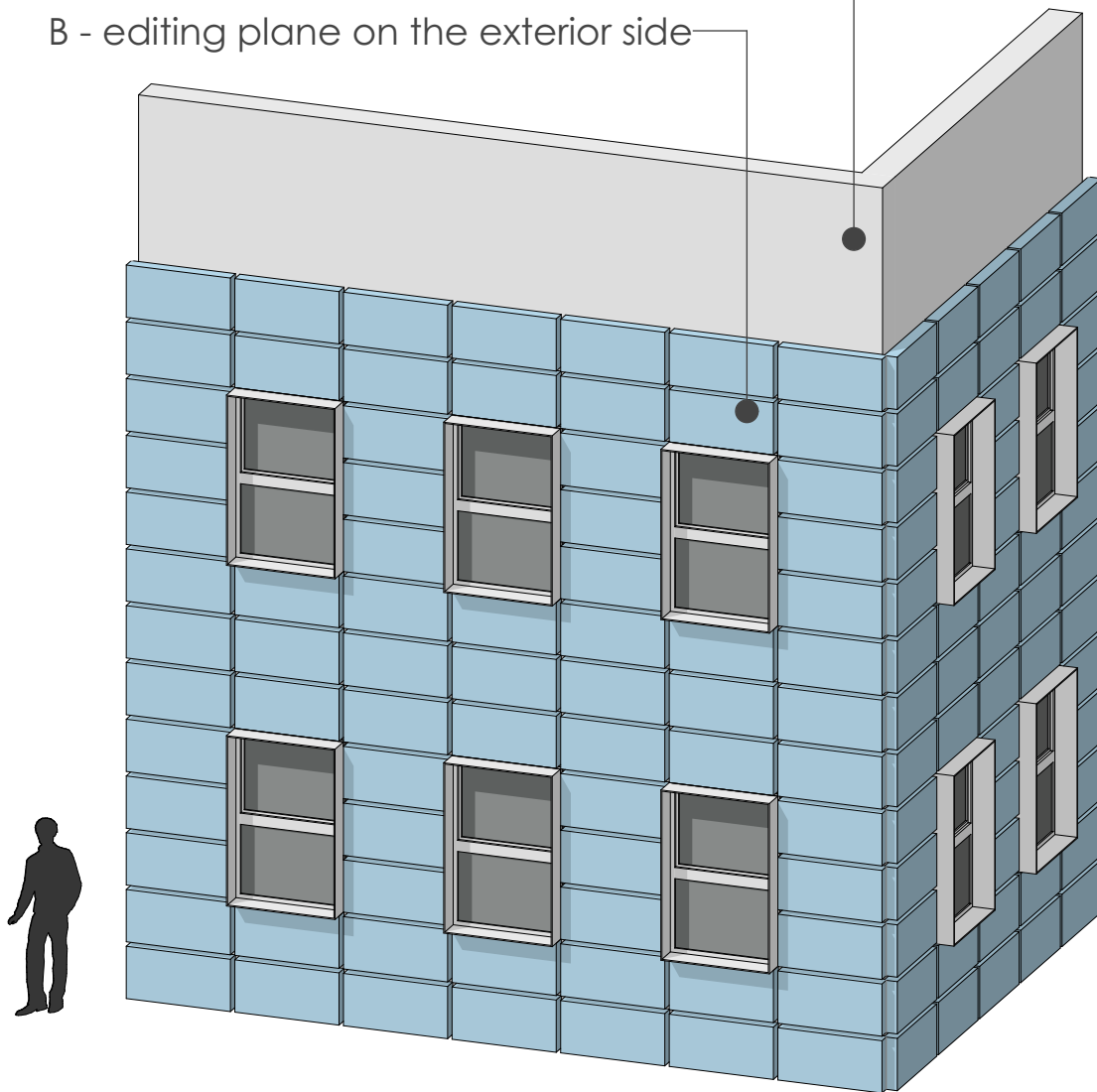
CLADDING ARCHICAD OBJECT

Editing plane interior-exterior

With this option you can switch the editing plan. This is a very complex option but very useful. According to the project you can edit directly the cladding on plane of the panels

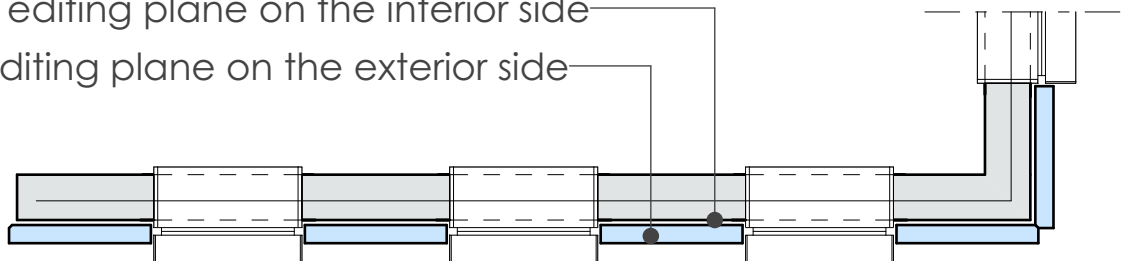
A - editing plane on the interior side

B - editing plane on the exterior side



A - editing plane on the interior side

B - editing plane on the exterior side

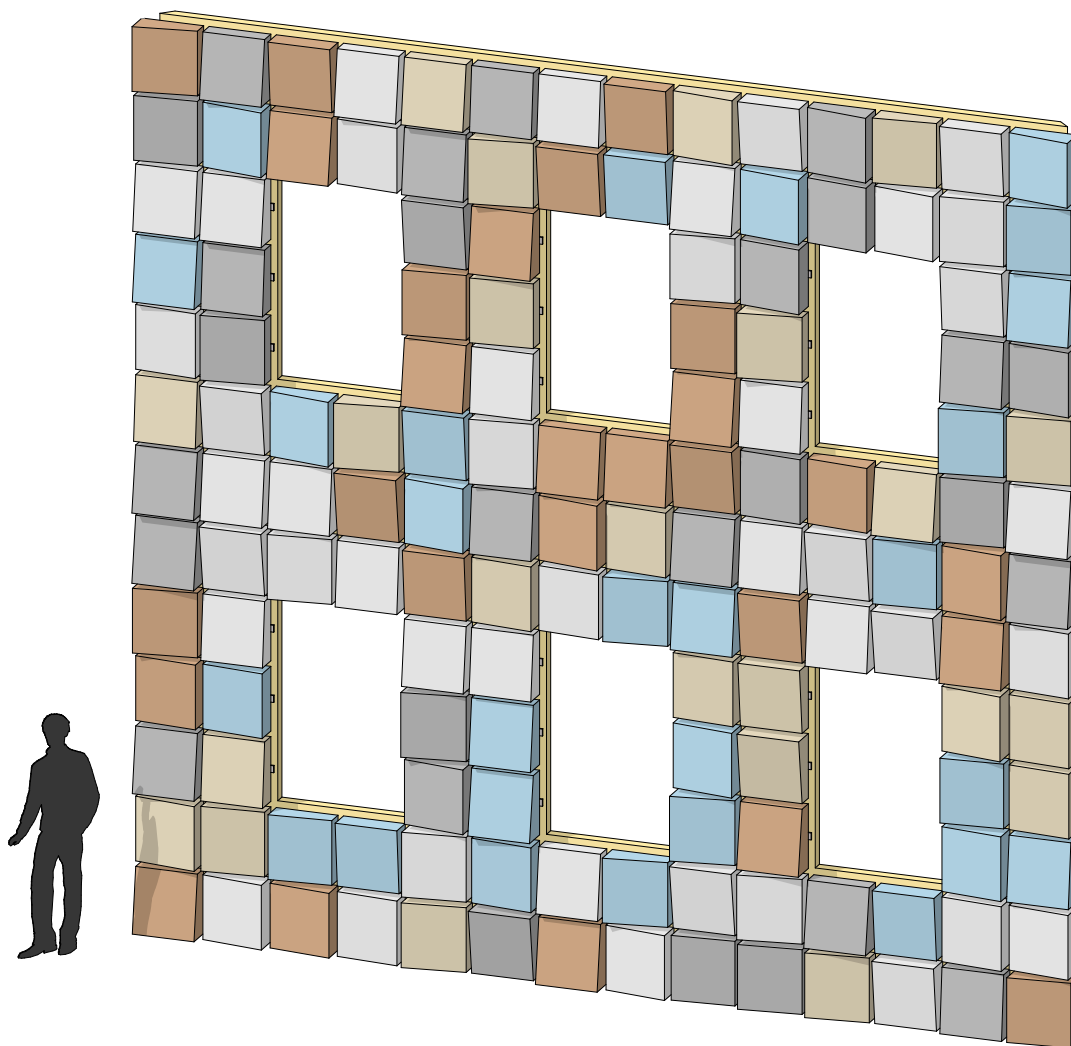


ArchiRADAR

CLADDING ARCHICAD OBJECT

Random Surfaces

You can define 5 different Surfaces chosen from Archicad Surfaces.



Surfaces

Random Colour ☒ Quantity >

Panels ☐ Pa ☐ Pa ☐ Pa ☐ Pa ☐ Pa ☐ St

Structure ☐ Paint - Light Gray >

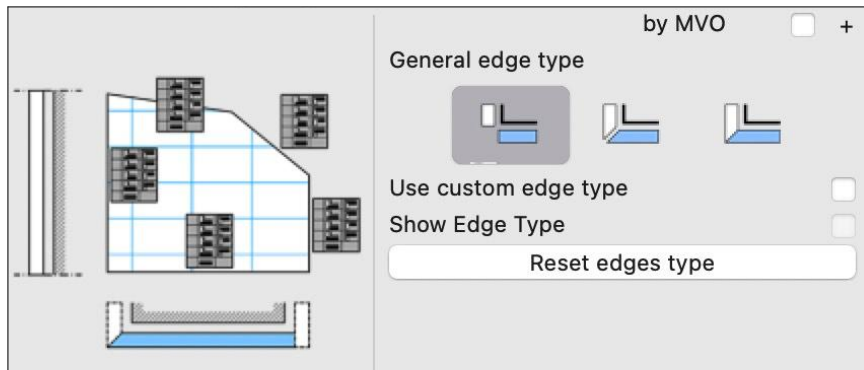
Archicad Colors

ArchiRADAR

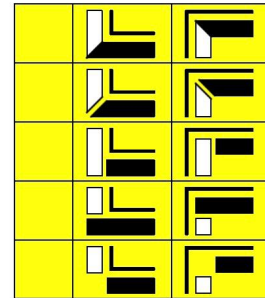
CLADDING ARCHICAD OBJECT

Edge Type - Claddings connection

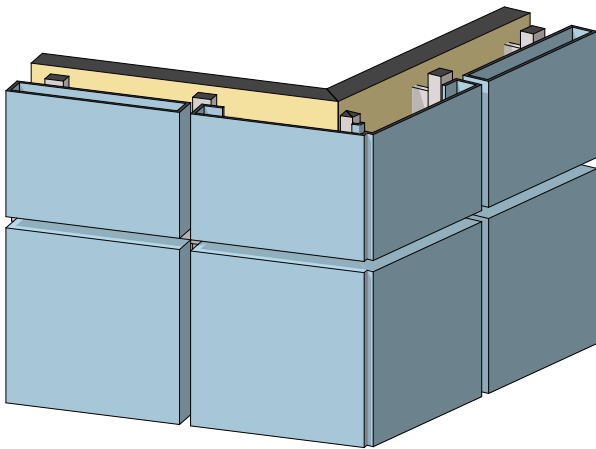
For each single side you can define 5 different type of connection to the adjacent cladding. It will be dimensioned according to the connection angle.



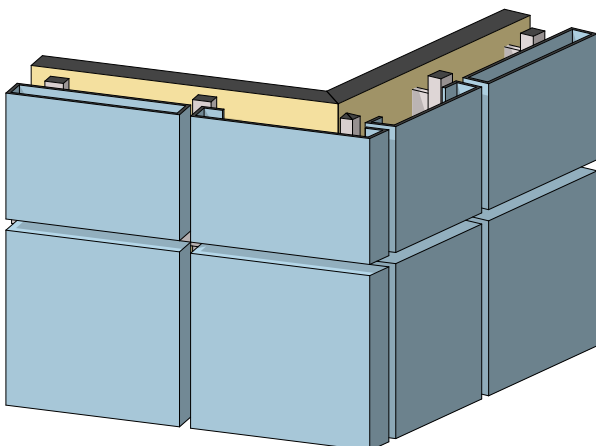
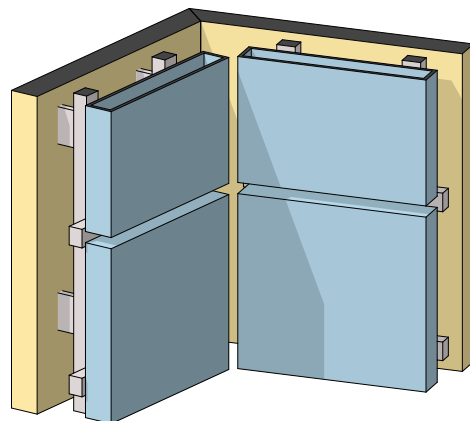
Interface



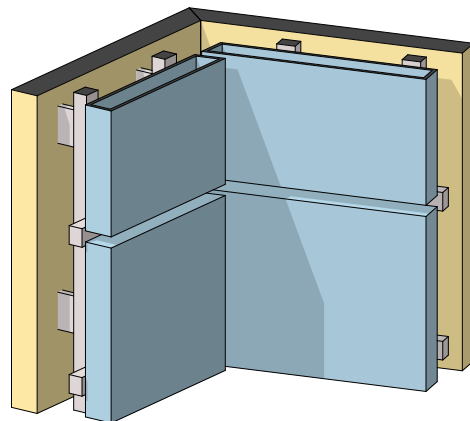
Interactive palette



Without connection



Overhung

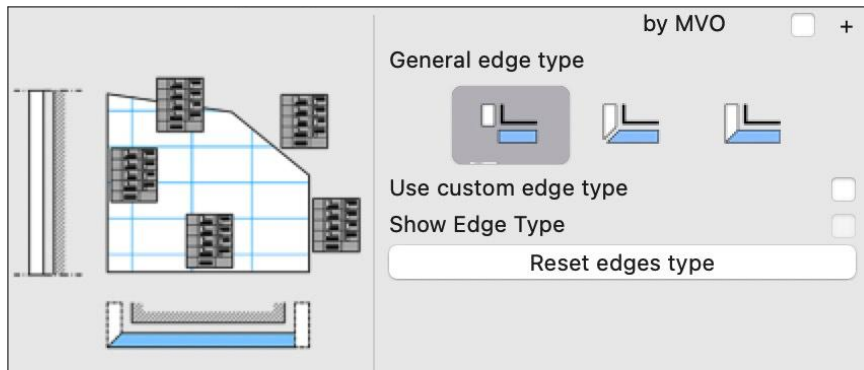


ArchiRADAR

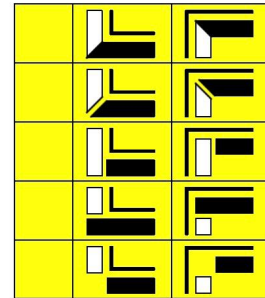
CLADDING ARCHICAD OBJECT

Edge Type - Claddings connection

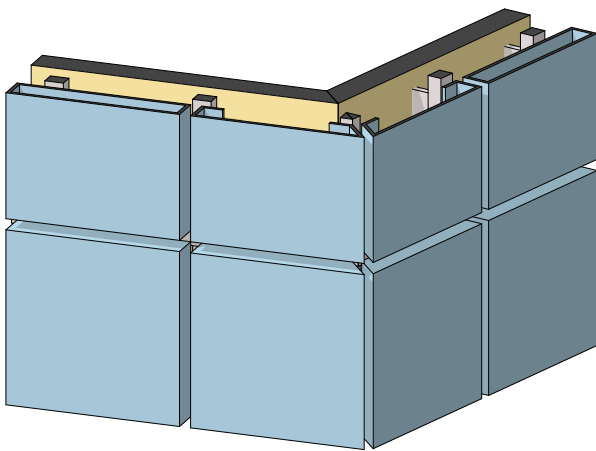
For each single side you can define 5 different type of connection to the adjacent cladding. It will be dimensioned according to the connection angle.



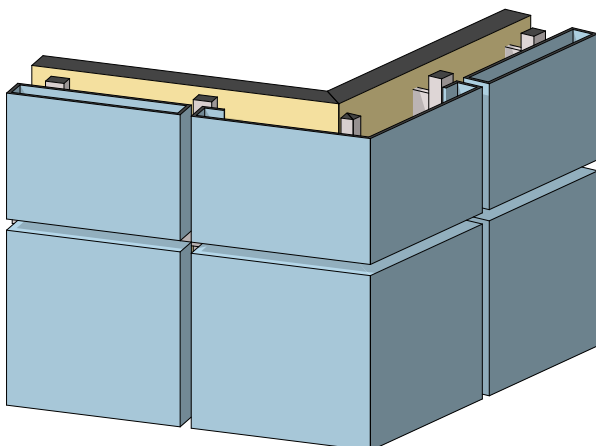
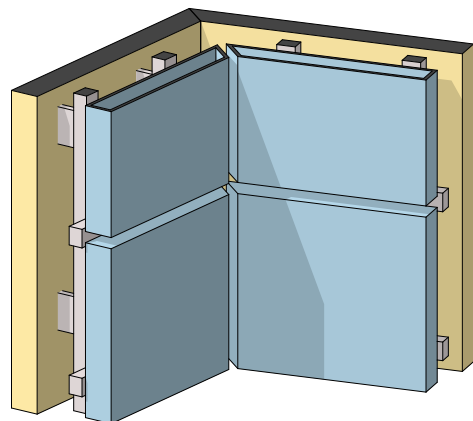
Interface



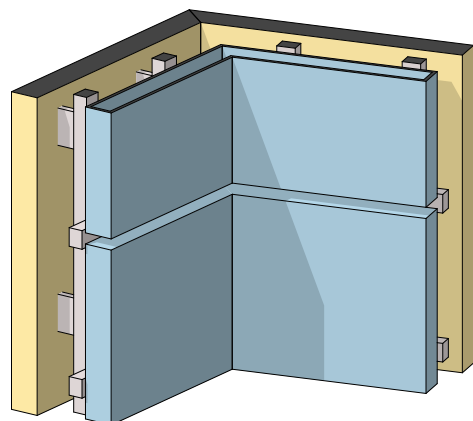
Interactive palette



With joint



Connected

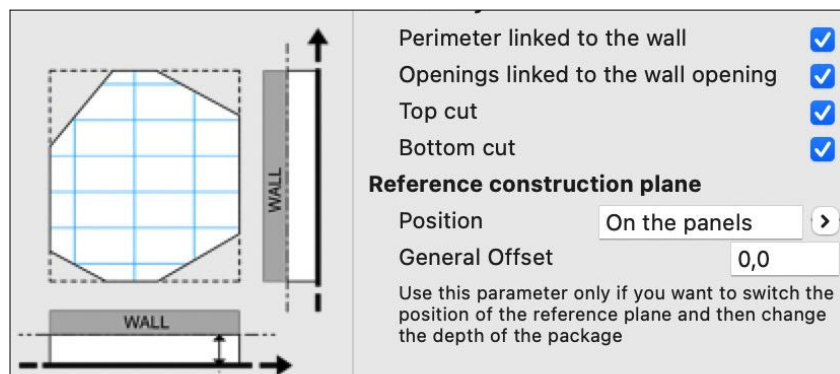


ArchiRADAR

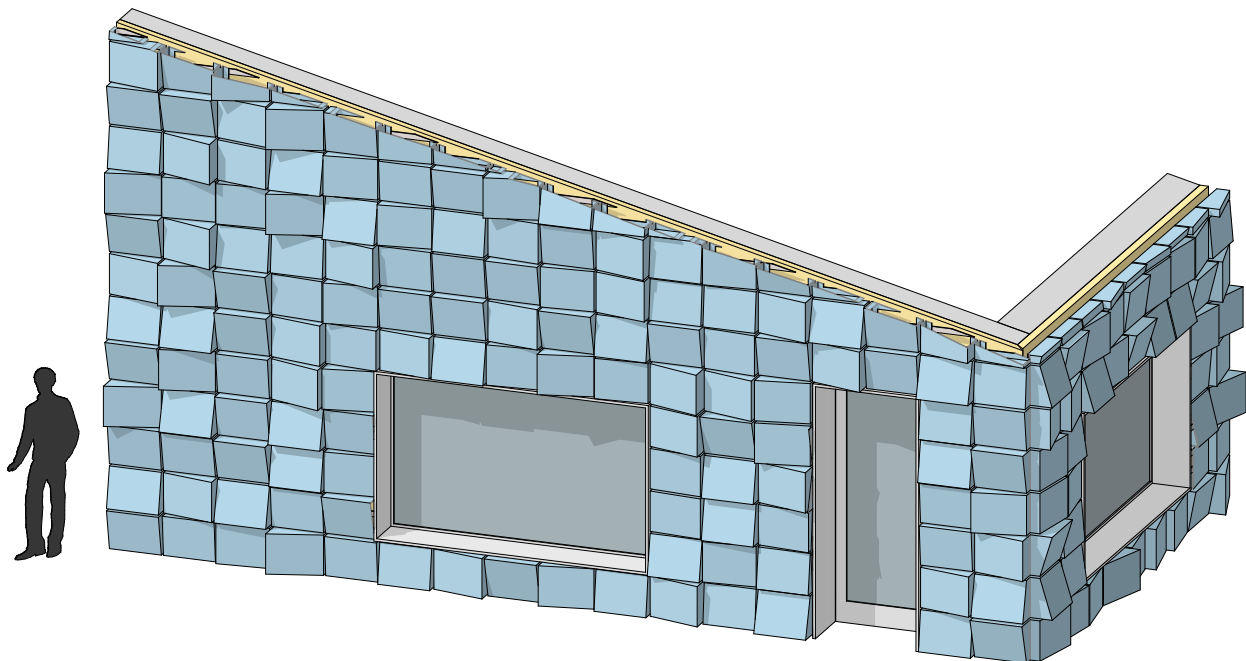
CLADDING ARCHICAD OBJECT

Wall Accessory

The Object can work also as an Accessory. With Archicad Add-on for Wall Accessory with one click the object can recognize the shape of the wall, the angle from contiguous claddings and the openings. Then you can further edit the cladding according to your design.



Interface



ArchiRADAR

CLADDING ARCHICAD OBJECT

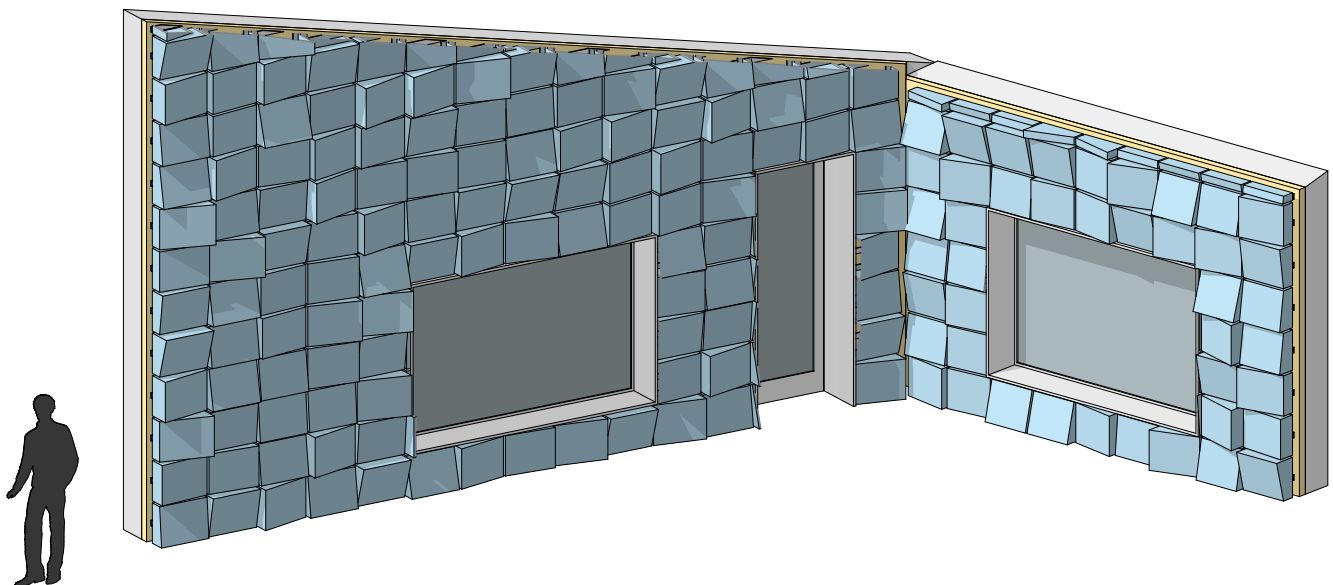
Wall Accessory

Note for accessory:

Due to the logic of Accessory tools and Archicad objects you can't unlink claddings objects in multi selection; you need unlink objects one by one. You can use a trick to avoid this: move more cladding objects linked to wall far from the walls, then unlink the objects and the holes using the dialog setting of the objects.

If you set the parameters in the dialog setting of the cladding objects during the creation of the accessory, Archicad will remember the setting the next time.

In Archicad MVO setting you can find a specific dialog only for the cladding object. If you use "by MVO" setting in the dialog setting of the cladding object, you can quickly change the parameters of the whole objects using the MVO setting of Archicad. It's better to use this method to change the parameters of the object without editing the objects; when you have chosen the final combination you can transfer the setting of Archicad MVO setting to the objects using the "+" button for each MVO setting in the dialog setting of the cladding object. Using too many "by MVO" setting can affect the speed in editing the cladding objects when you have many objects.

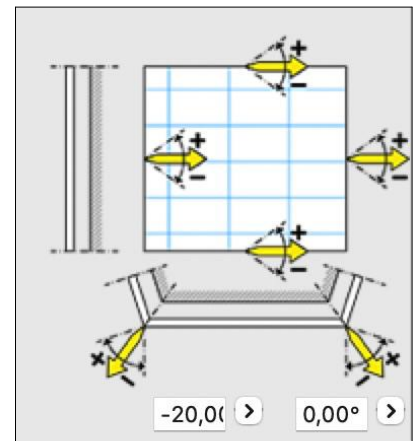
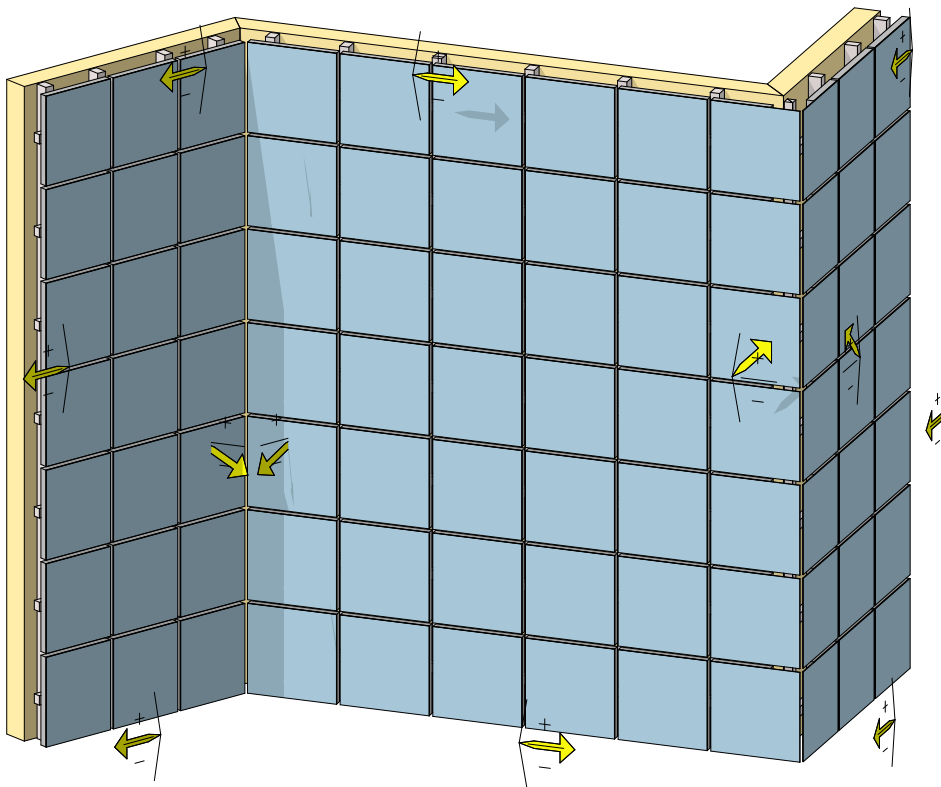


ArchiRADAR

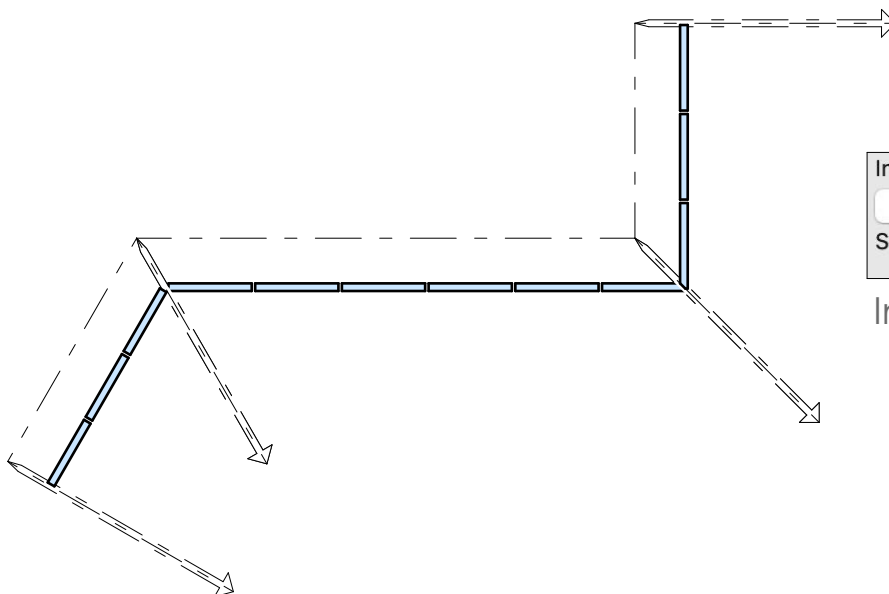
CLADDING ARCHICAD OBJECT

Corners - Personal angles in the corners

You can graphically define the angle of the edges of each side according to the direction of the wall, both in 2d and 3d window.



Interface - Structure



Indent on negative angles	10,00
Reset	
Show Edges angles	<input checked="" type="checkbox"/>

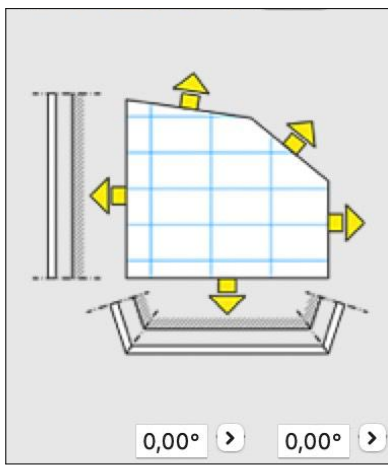
Interface - Structure

ArchiRADAR

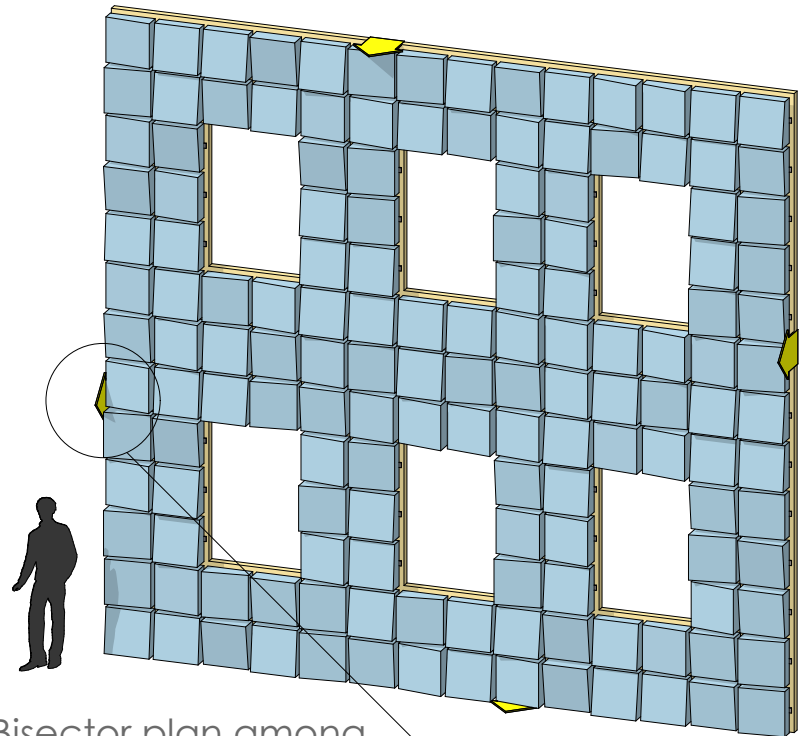
CLADDING ARCHICAD OBJECT

Corners – Edges angles using the bisector of adjacent plan

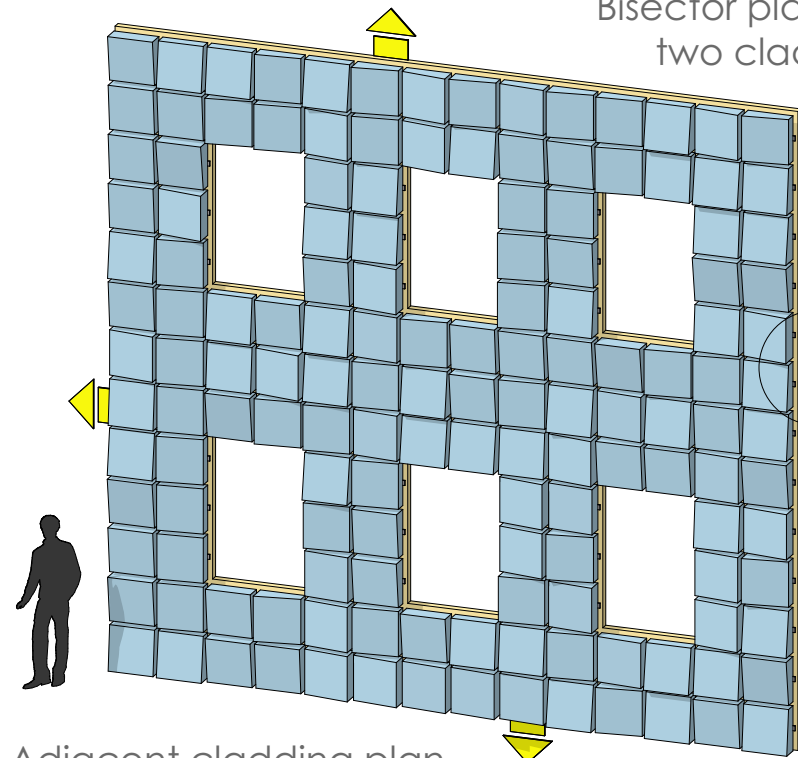
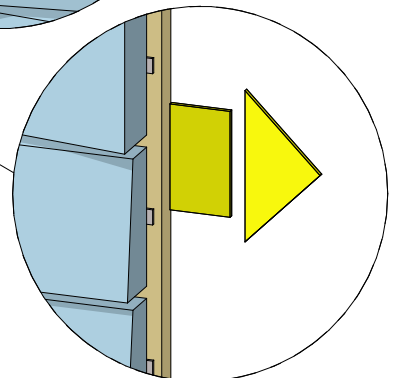
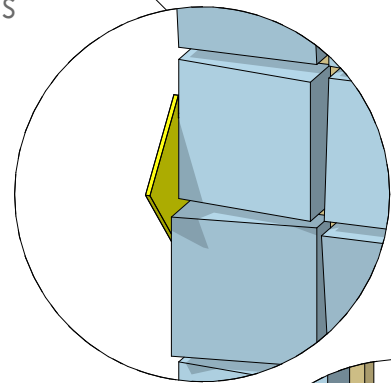
Managing the boundary will be extremely simple. You can edit the edge angle moving hotspots. You can match the hotspot to the bisector among two cladding; you can also move use the option to move the hotspot of the adjacent cladding plan.



Interface



Bisector plan among two claddings

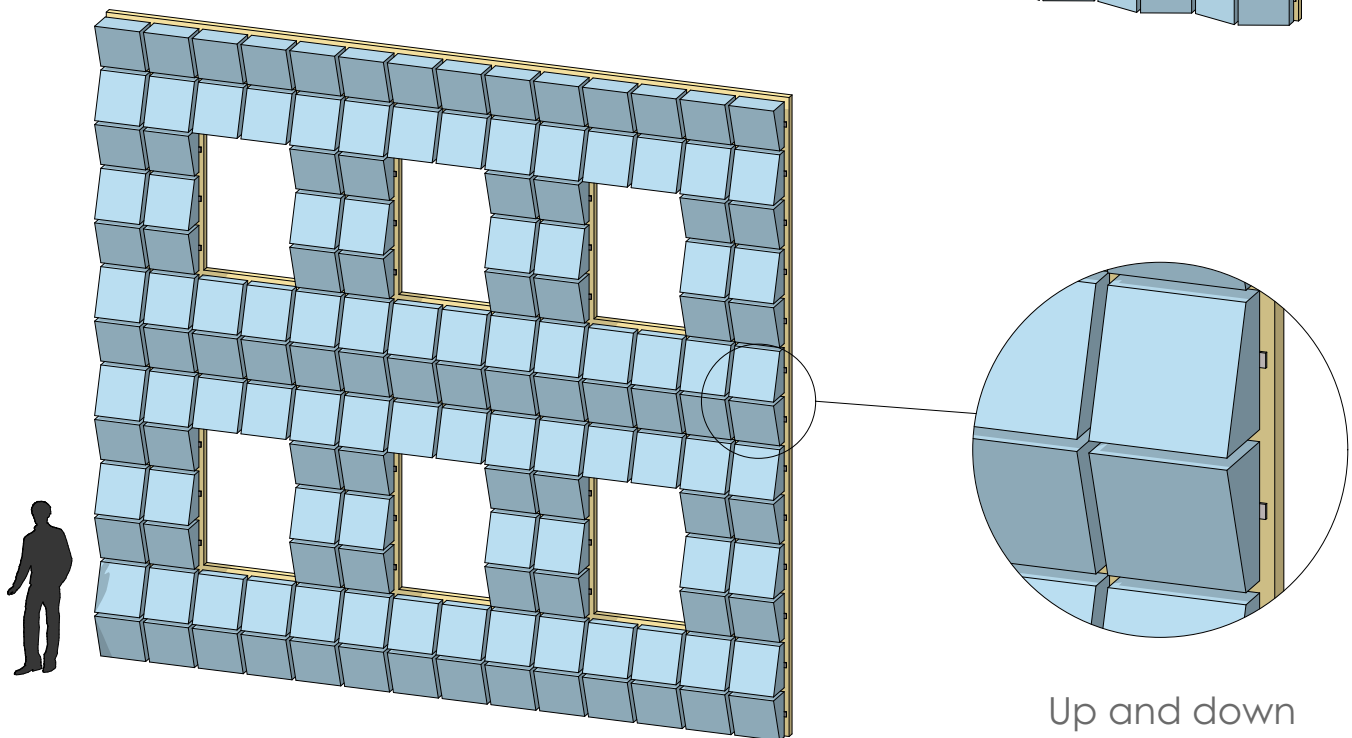
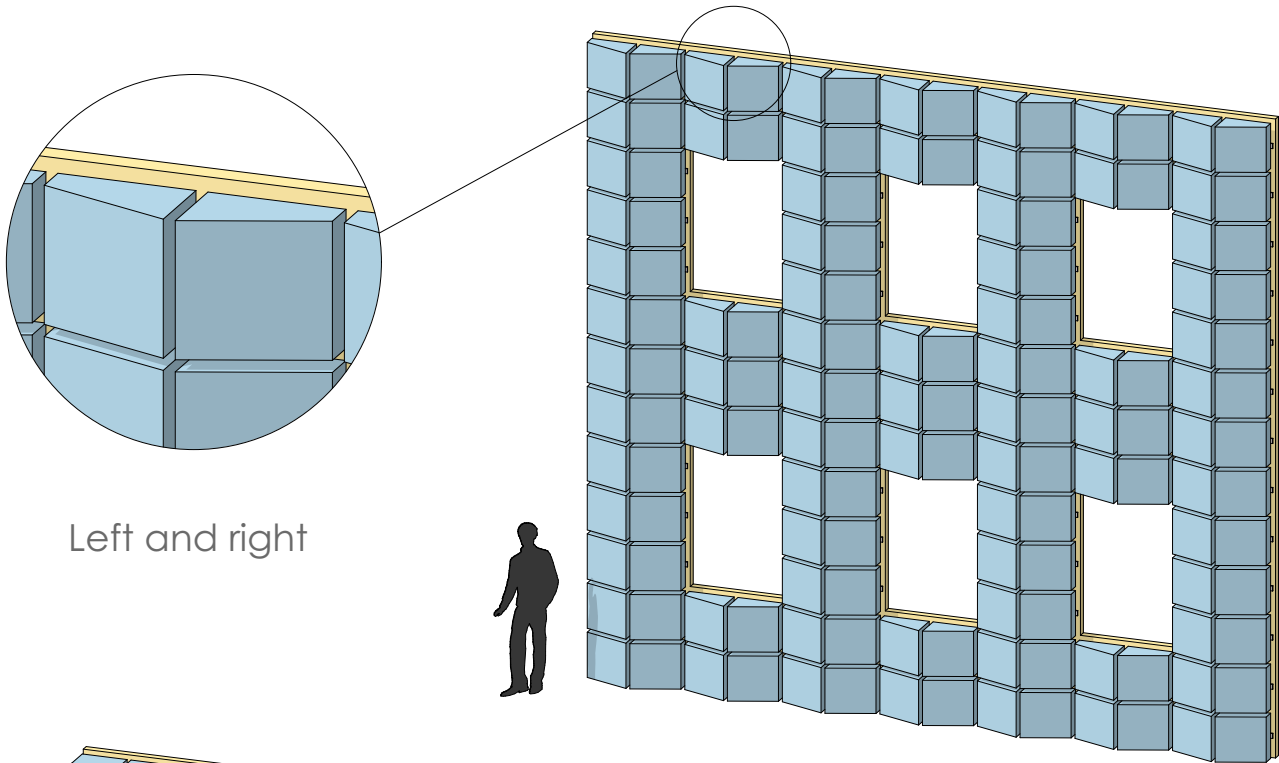


Adjacent cladding plan

ArchiRADAR

CLADDING ARCHICAD OBJECT

Panels – New Tilt directions: Up and down, Left and right

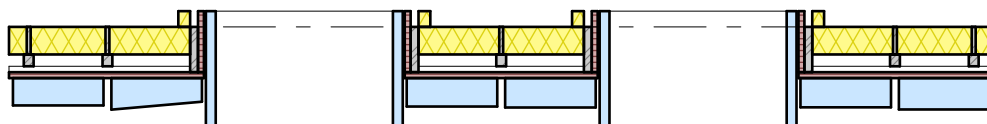


ArchiRADAR

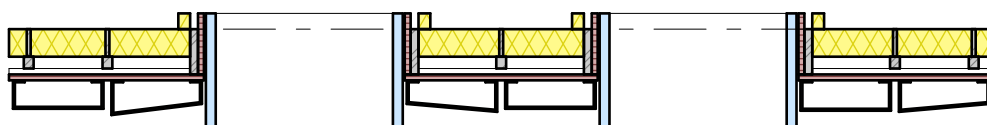
CLADDING ARCHICAD OBJECT

2D Detail – Different level of detail

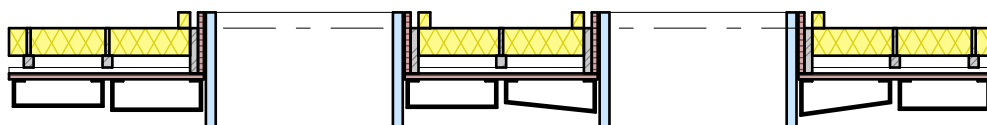
PANEL BOX



Simple

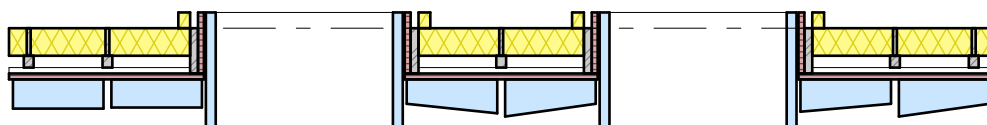


Low Detail

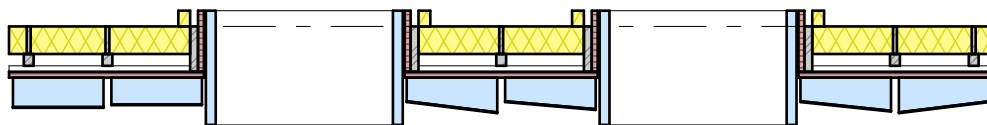


High Detail

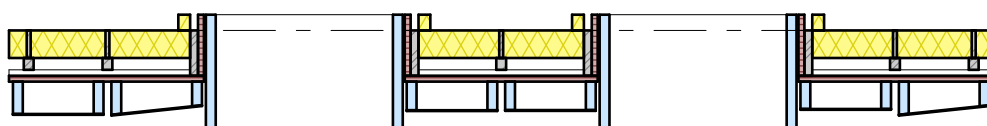
PANEL FLAT



Simple



Low Detail



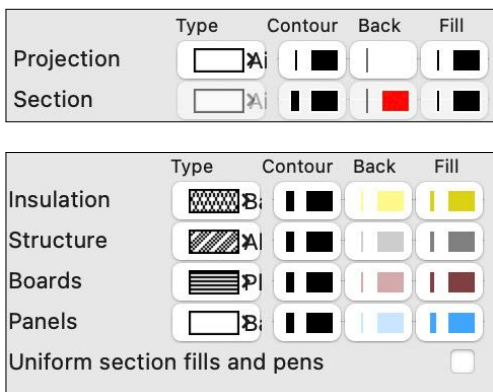
High Detail

ArchiRADAR

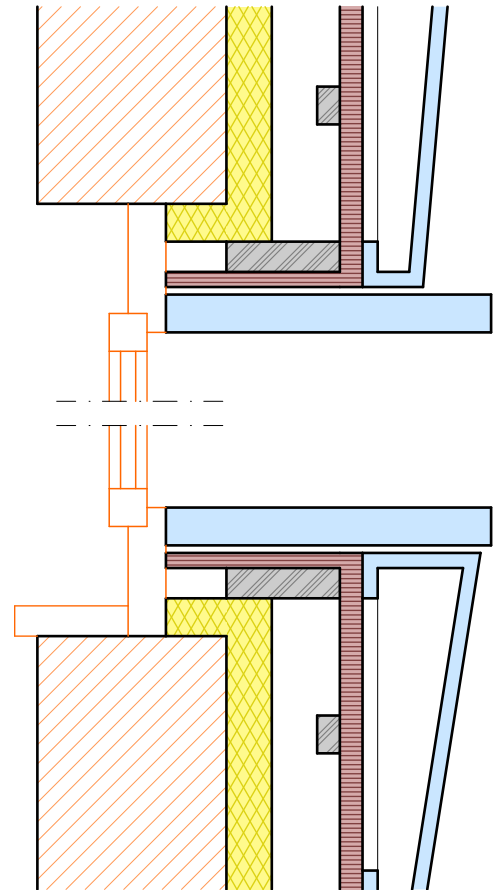
CLADDING ARCHICAD OBJECT

2D Detail – Section Pen

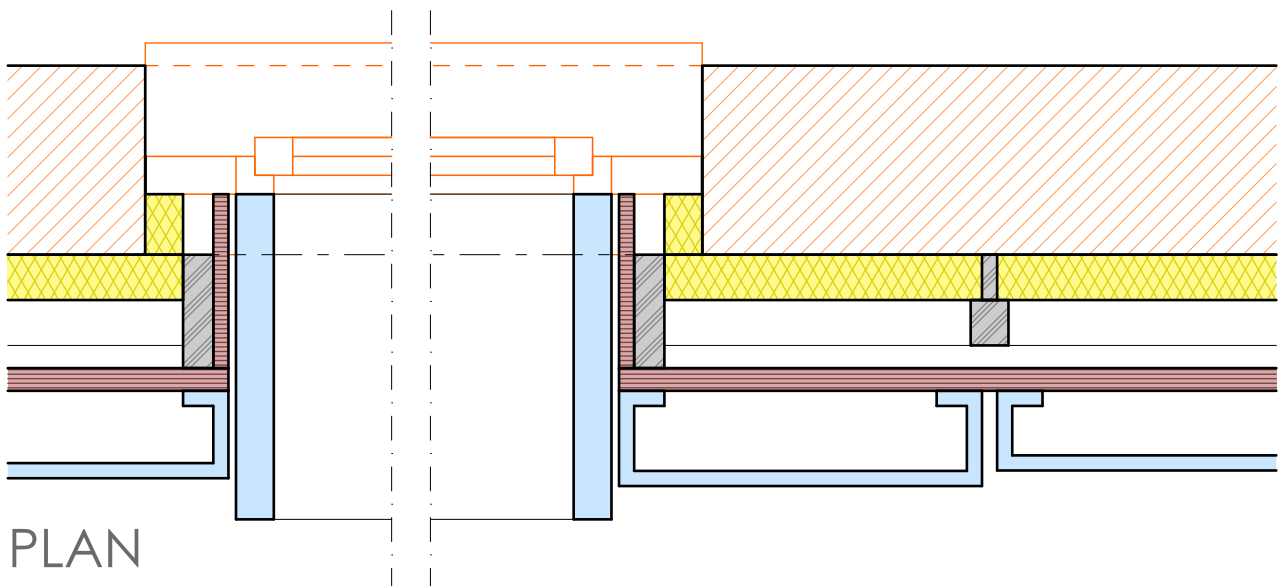
You can differently manage the section pen and fill of each layer; you can also uniform the fill.



Interface



SECTION

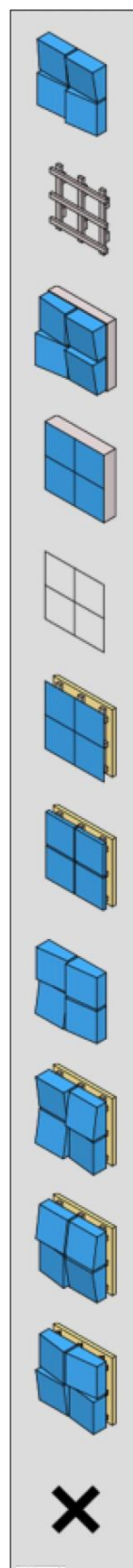


PLAN

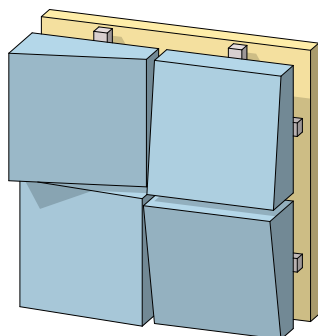
ArchiRADAR

CLADDING ARCHICAD OBJECT

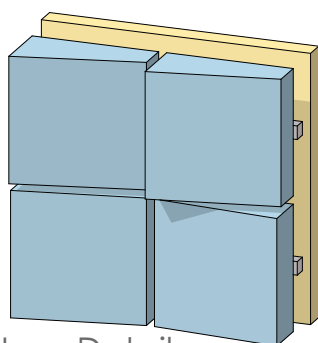
3D Detail – Menù with preview in 3d Representation



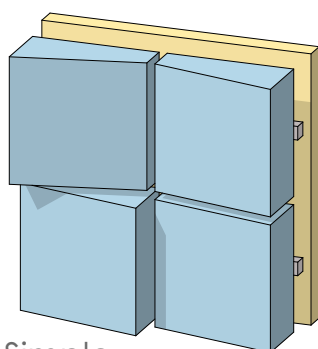
GENERAL



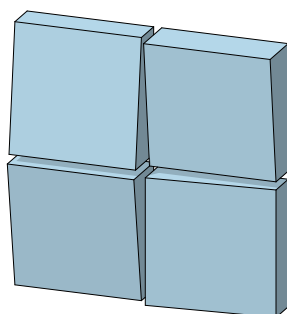
High Detail



Low Detail

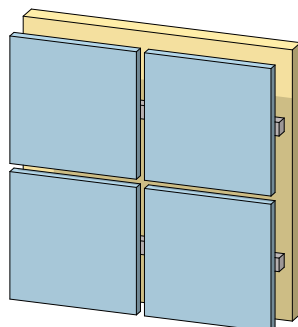


Simple

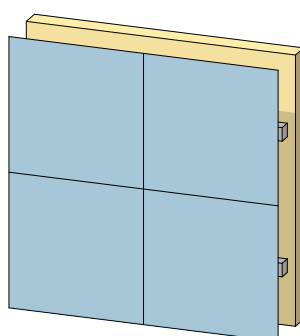


Only panels

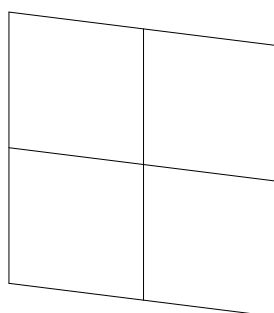
SCHEMATIC



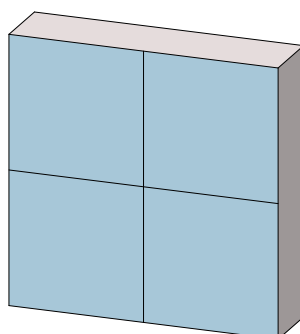
Schematic panels



Schematic plane

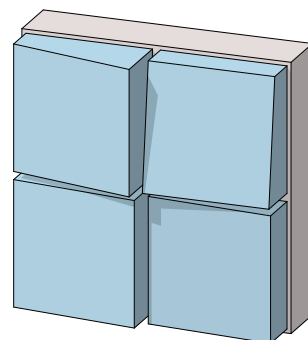


Schematic lines

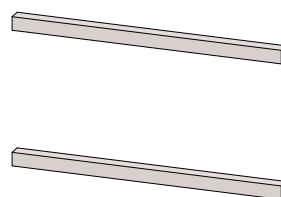


Schematic Package

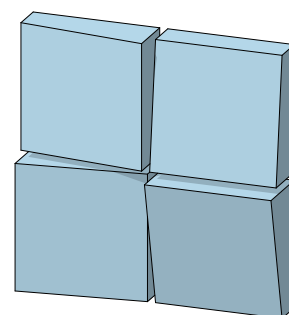
STL



STL - Structure + panels



STL - Structure



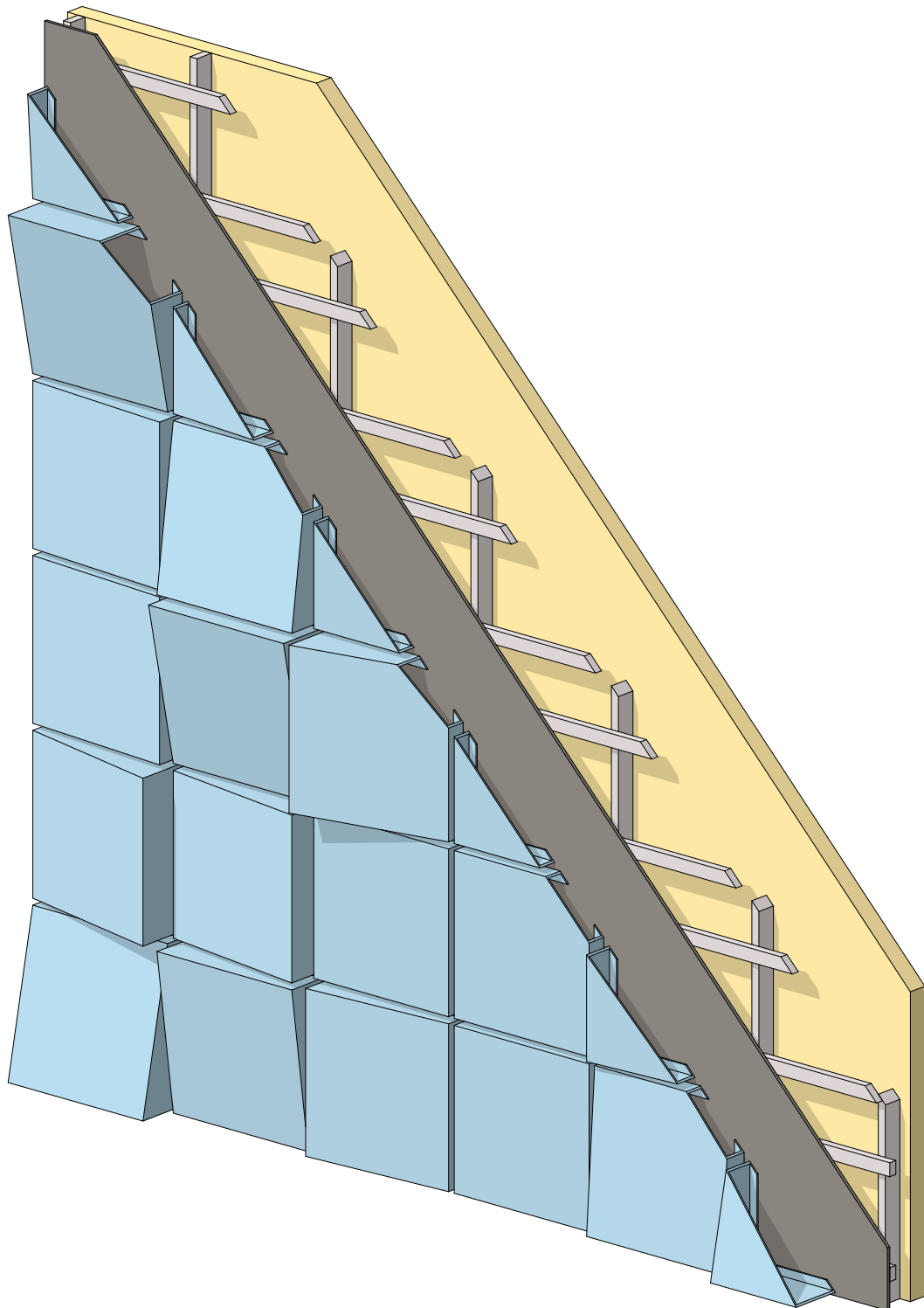
STL - Panels

ArchiRADAR

CLADDING ARCHICAD OBJECT

3D Detail – Cutting plane

You can define a cutting plane with a specific angle, position and gap from different layers of the cladding. You can turn on this option for visualization

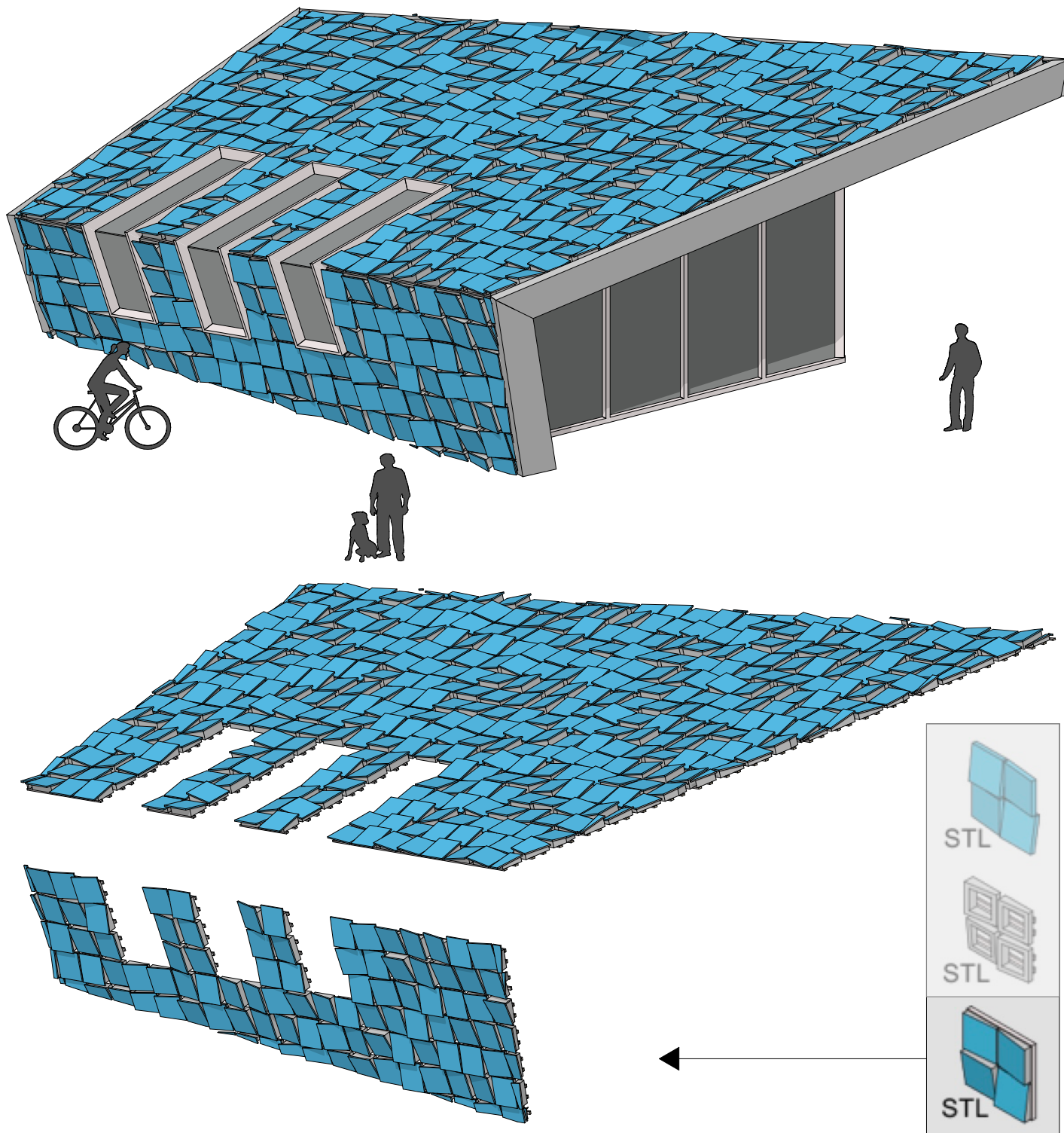


ArchiRADAR

CLADDING ARCHICAD OBJECT

STL – Stereo Lithography File - All the Cladding

Format for 3D Printing



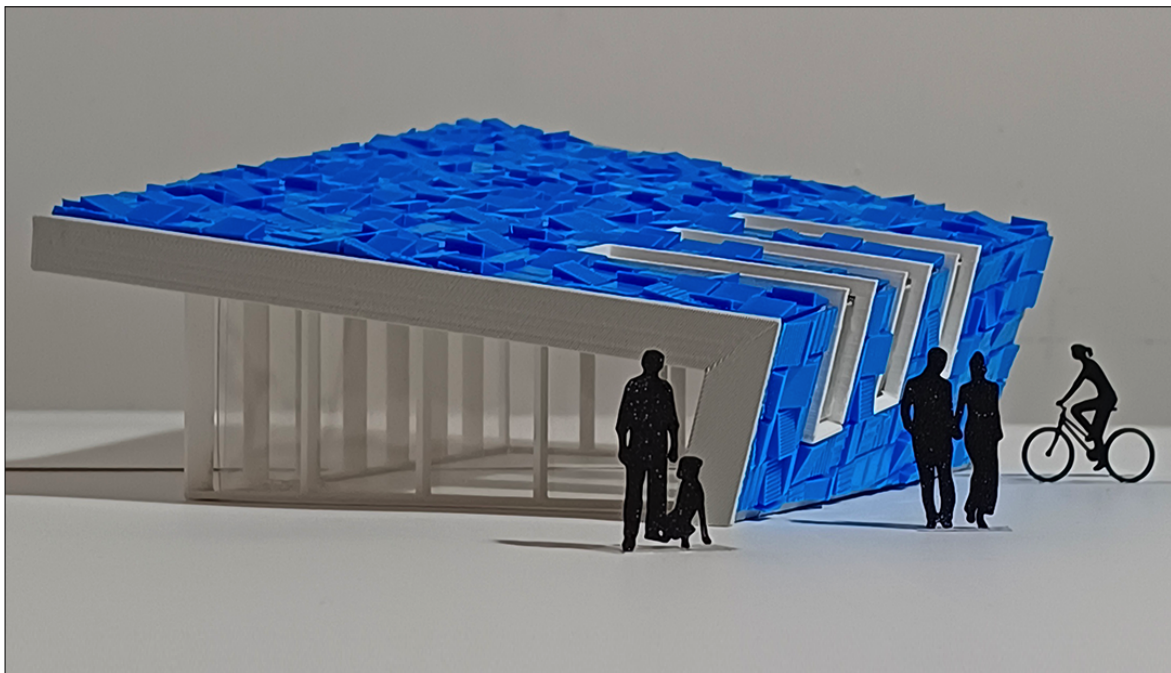
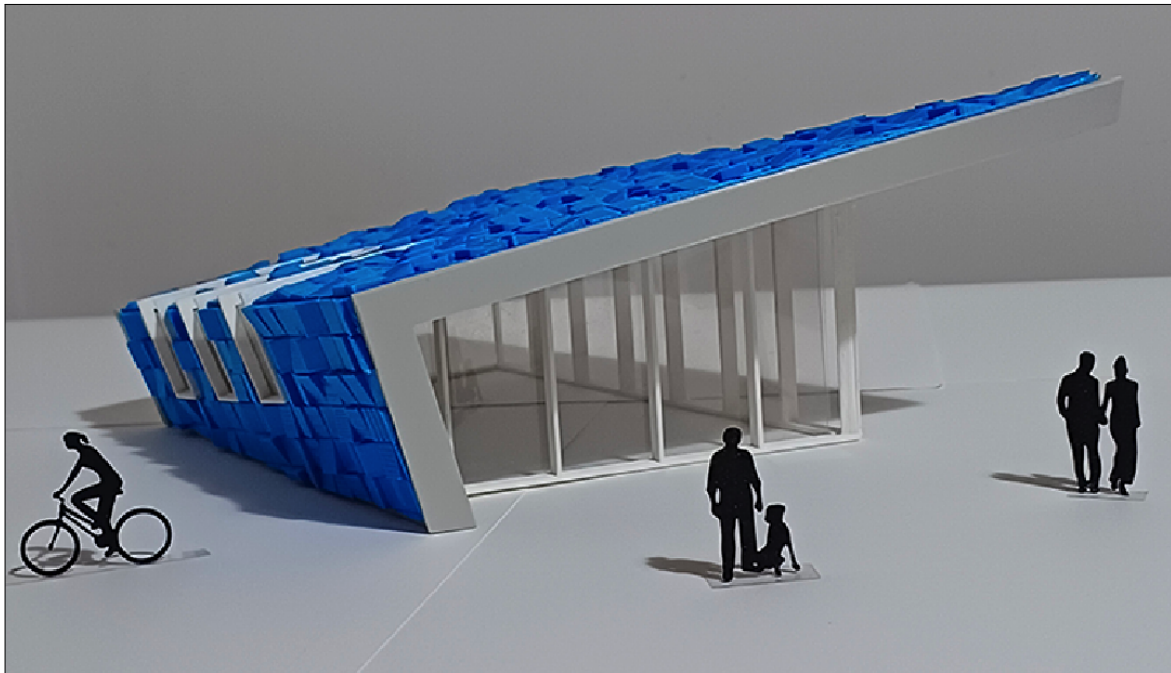
Printing panels and understructure

ArchiRADAR

CLADDING ARCHICAD OBJECT

STL – Stereo Lithography File - All the Cladding

Format for 3D Printing

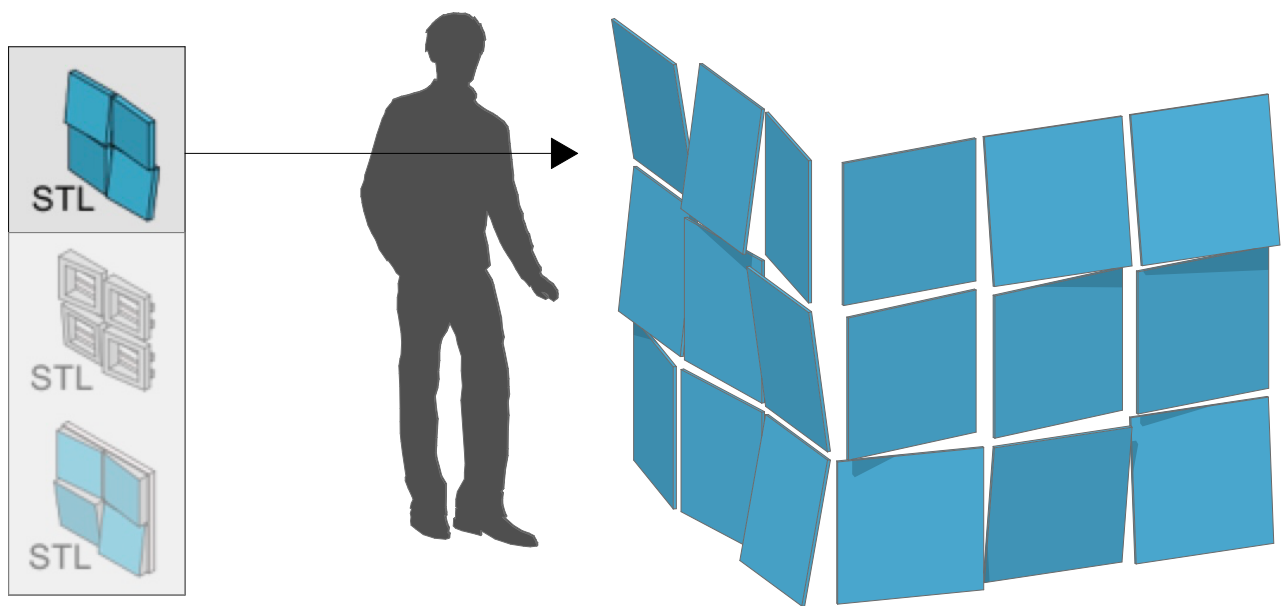


ArchiRADAR

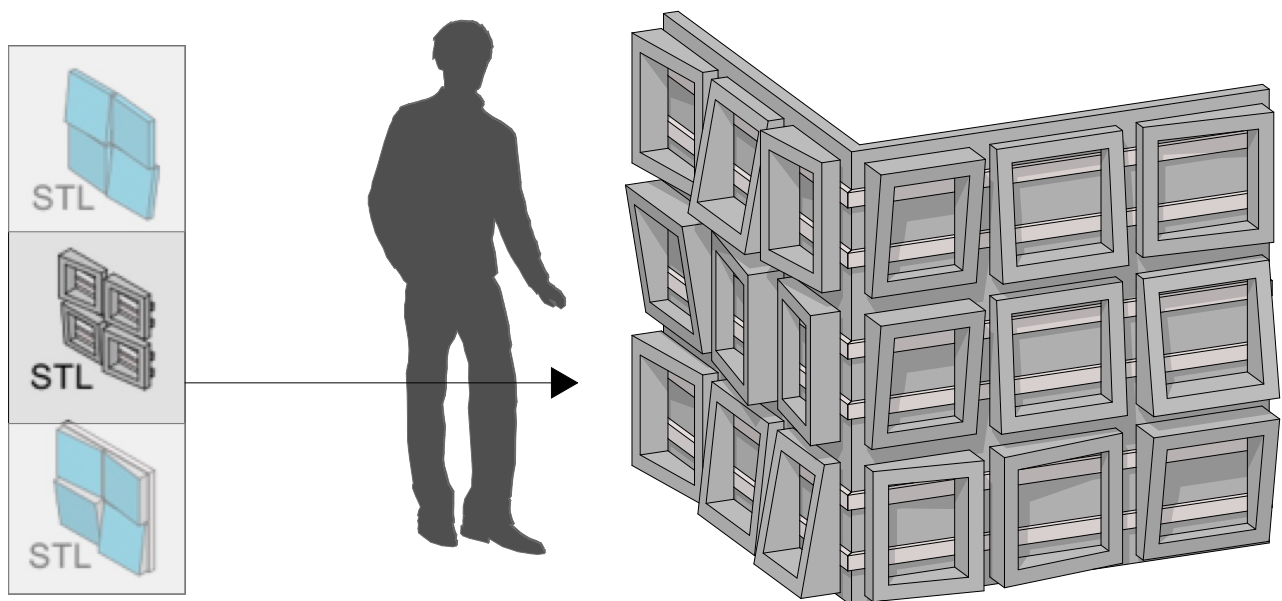
CLADDING ARCHICAD OBJECT

STL – Stereo Lithography File - Parzial components

Format for 3D Printing



Printing only panels



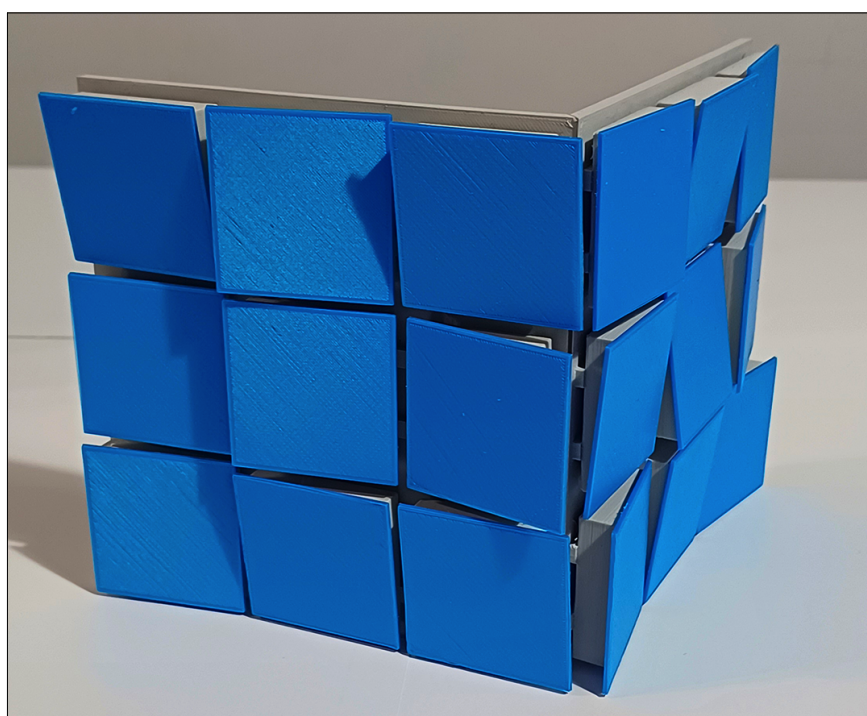
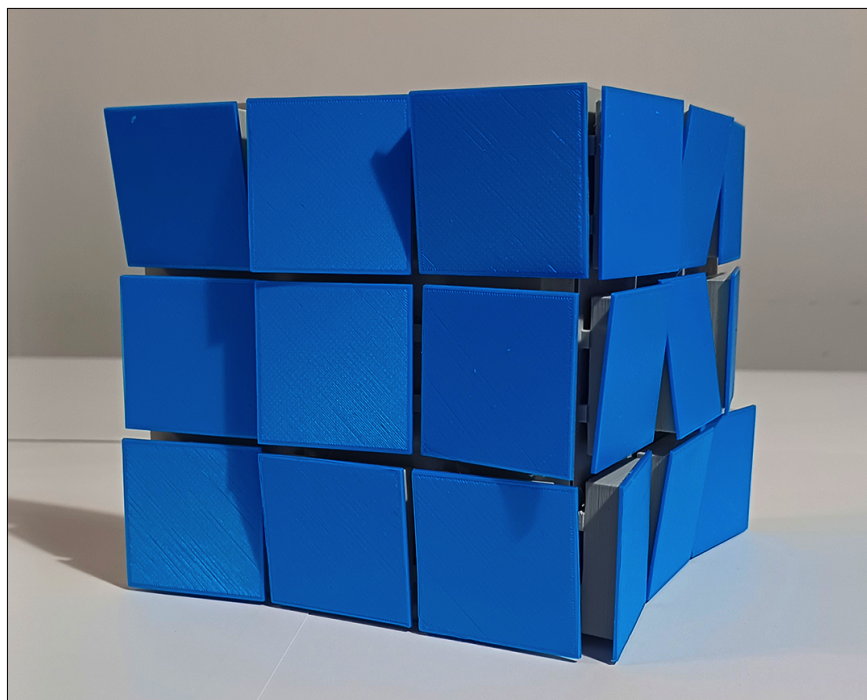
Printing understructure

ArchiRADAR

CLADDING ARCHICAD OBJECT

STL – Stereo Lithography File - Parzial components

Format for 3D Printing

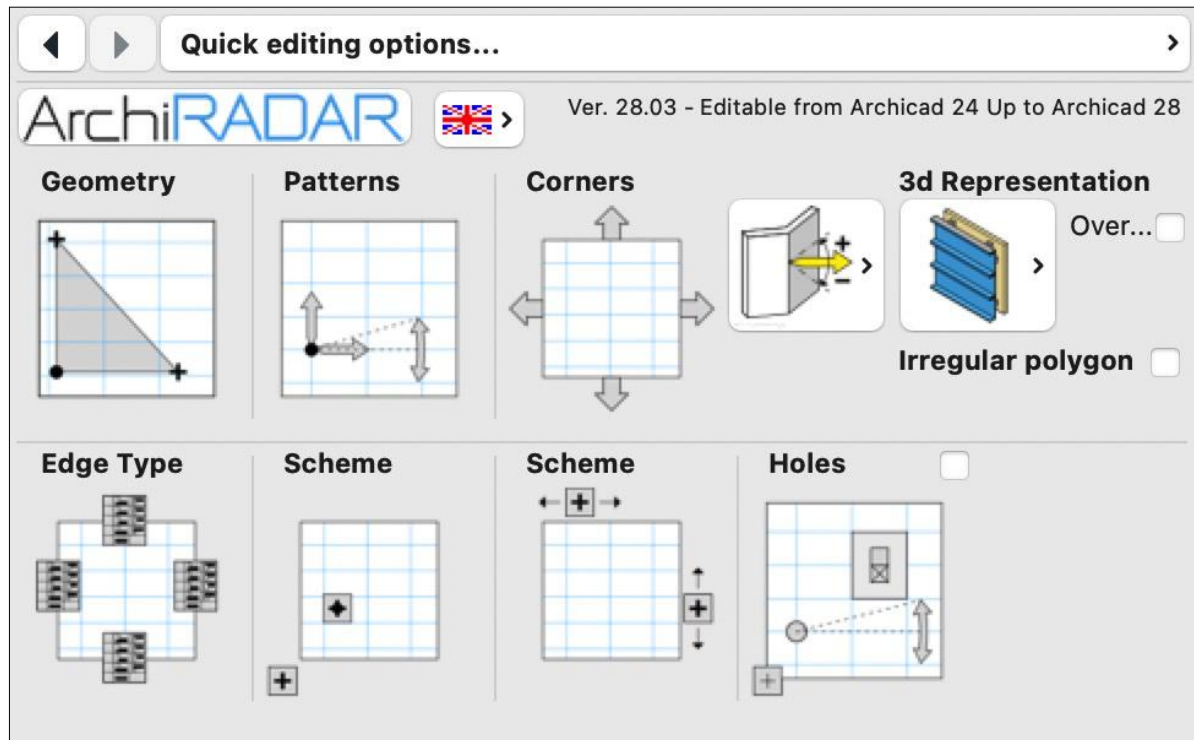


ArchiRADAR

CLADDING ARCHICAD OBJECT

Interface – Quick Editing Options

Extra panel to manage all the palettes and editing hotspots.



ArchiRADAR

CLADDING ARCHICAD OBJECT

Quantity - Possibility to extract quantity

General quantities	
Exterior cladding gross surface	5950,4
var: sl_general_surface_ext	

Interface