

Version history

This document contains the most important additions to ArchiFrame.

Installing updates

Please take a backup of your existing ArchiFrame by copying these folders to another place:

- C:\ArchiFrame
- C:\Program Files\Graphisoft\Archicad 15\Add-Ons\ArchiFrame (Replace 15 with your Archicad-version)

Install the newest update (and revert to the backup in case of problems).

Known problems

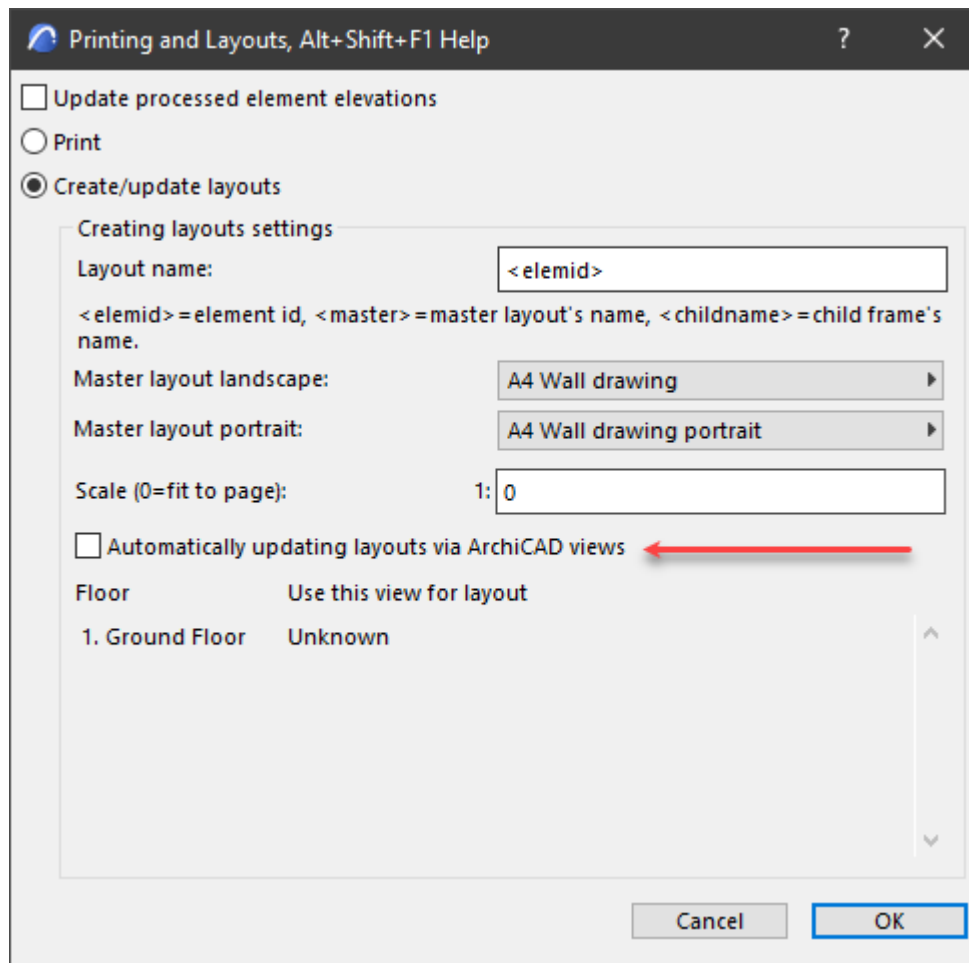
When operations produce new planks in sections/elevations, display must be manually updated with Ctrl+Shift+R. In Macintosh if you see full black dialogs, please close all ArchiFrame palettes and reopen them.

AC26: Copying or mirror/rotate a copy the whole element may crash Archicad. We are investigating this with Graphisoft. The workaround is to rename the ArchiFrame-folder under C:\Program Files\GRAPHISOFT\Archicad 26\Add-Ons to ZArchiFrame to change the load order of the add-ons. Please remember to delete that folder before installing an update and rename it again if needed.

AC23 & AC24 & AC25 & AC26:

- In some cases, like copy & mirror projection plank Archicad crashes. The problem should be fixed in coming Archicad 26 updates – Graphisoft is working on it (the latest info is that it will be part of bigger update at 2023 for AC26).
- Copy & mirror the whole element with planks and boards may crash AC. To avoid this, select just the related ArchiFrameElement-objects and ArchiFrame will automatically copy them. AC27 seems to be fixed and you can copy everything.

- Layouts' clipping may change by itself – waiting for Graphisoft's response also. For now, do not check this option with **AC23, AC24, AC25, AC26, AC27**:

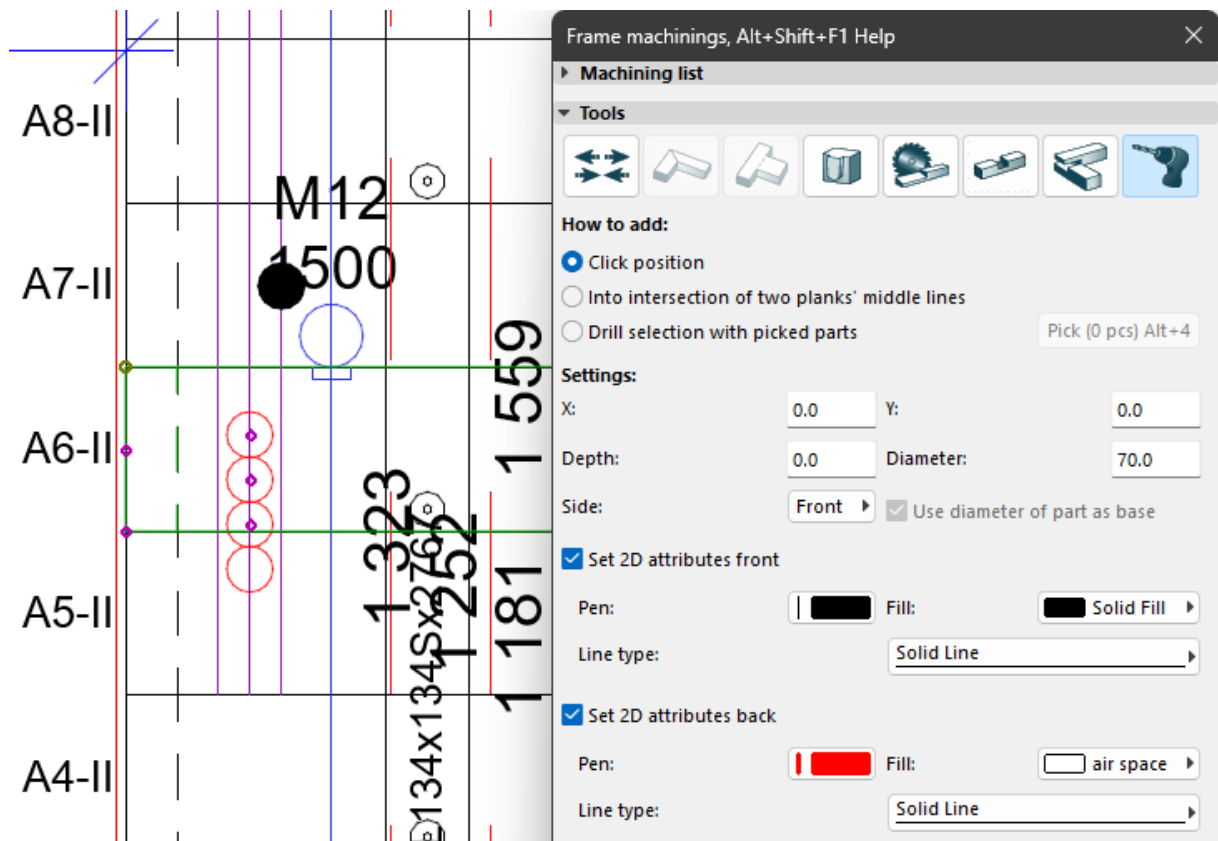


18th March 2024

- Board sorting default changed from global xyz to element relative xy (first x-axis and then y-axis). To get the old default, this definition needs to be added to ArchiFrameElements(Changes).xml under <settings>-tag (to find from the manual please search for term sortboard):

```
<!-- Common settings -->
<plank>
  <misc merge="replace" minlen="0.01" idstr="%s-01" sort="yx" sortboard="globxyz"></misc>
</plank>
```
- Section with dim lines now takes the dim line layer from the core's plank/board. Earlier taken from a random plank. Also now it is possible to give the dim line settings in freeprojections/dimlinesettings.

- Drilling tool: The 2D attributes front and back can be used for example in the log wall elevations to show the back side drillings on a single elevation:



- Paste picked planks did not correctly connect the pasted planks to the target element causing them not to really be part of the target element: Was not in the cut list, was omitted if writing cnc etc.
- ArchiFrame combined reinforcements close to each other on y-axis too easily - now it is possible to have those like this:



- Data-folder/cut list angles now use Archicad dimension settings decimals (changes require Element tools/Update):

Project Preferences

Dimensions

Custom

DIN

Plain Meter

Plain Millimeter

US Architect

Store as...

Rename...

Delete

Sample: 0.12°

Angular Dimensions

Unit: decimal degrees

Decimals: 2

☐ Hide Zero Decimals

Witness Line Scalability: ☒ Scaled ☐ Fixed

Cancel OK

Seinä 017 STUDS				
Type	Len	Pcs	Cut info	
Stud 42x173 (29)	3668	1	Angled end 26.57°, Angled end 26.57°	
Stud 42x173 (31)	3651	1	Angled end 26.57°	
Stud 42x173 (27)	3591	1	Angled end 26.57°	
Stud 42x173 (33)	3591	1	Angled end 26.57°	
Stud 42x173 (23)	2805	1	Angled end 26.57°	
Stud 42x173 (35)	2805	1	Angled end 26.57°	
Stud 42x173 (37)	2751	1	Angled end 26.57°	
Stud 42x173 (21)	2505	1	Angled end 26.57°	
Stud 42x173 (39)	2451	1	Angled end 26.57°	
Stud 42x173 (19)	2205	1	Angled end 26.57°	
Stud 42x173 (41)	2151	1	Angled end 26.57°	
Stud 42x173 (17)	1905	1	Angled end 26.57°	
Stud 42x173 (43)	1851	1	Angled end 26.57°	
Stud 42x173 (45)	1682	1	Angled end 26.57°	

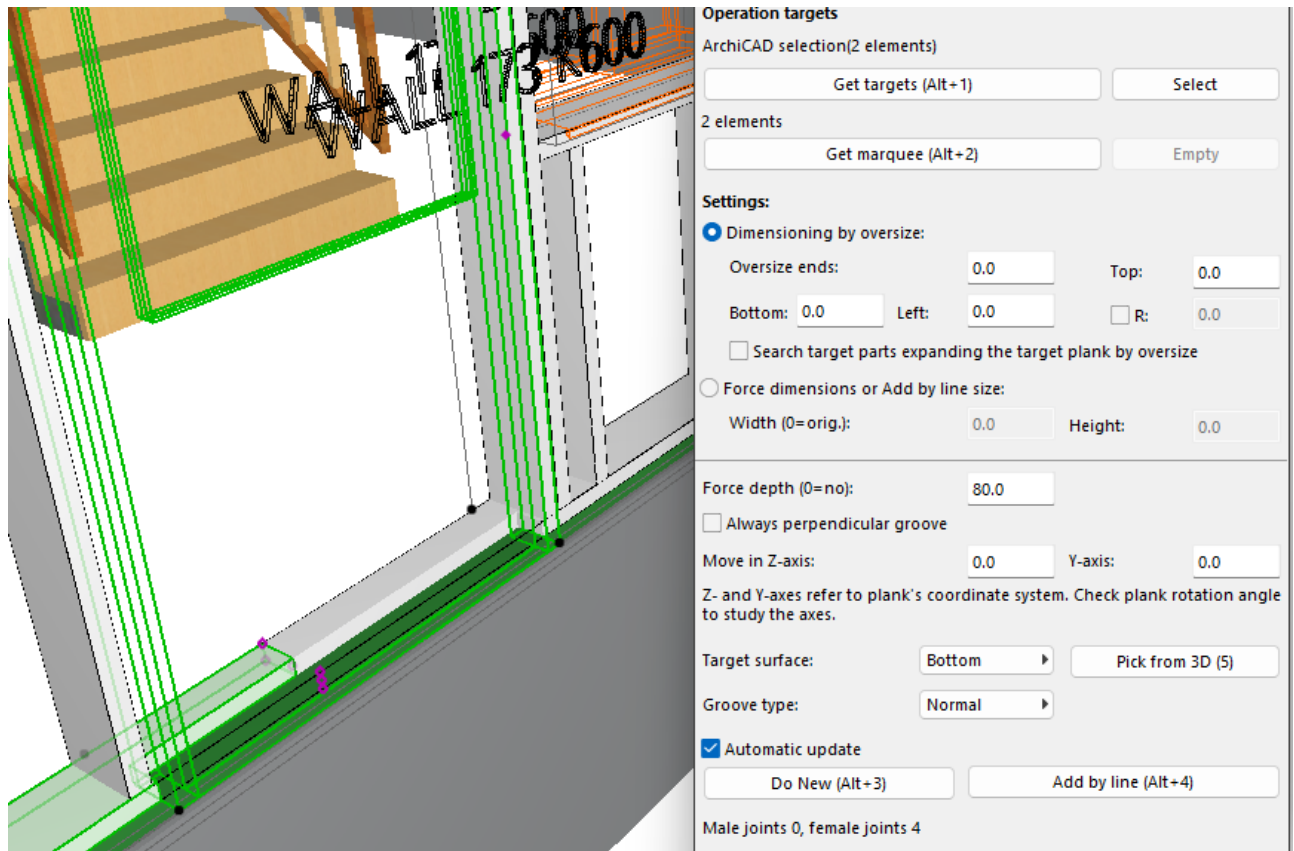
- New layout for board/CLT-only element:

Multisheet external wall from out t...	Petteritest v 1.0
WALL EW 23 V/22/WS9/173/42/13	Just framing with cutlist having machinings v 1.0
EW173	Framing only, cutlist incl machinings, reversed view direction
	Wall frame+cladding out to in with cutlist having machinings v 1.0
	Just framing floor+roof with cutlist having machinings v 1.0
	Multisheet external wall from out to in v 1.0
	Multisheet inout Board+Stud+Frame+Board+Board 1.0
	Board+Frame+Board with cutlist 1.0
	Just boarding/CLT cutlist having machinings v 1.0
	Multisheet inout Board+Board+Stud H+Board+Frame+Board+Stud H+Board 1.0

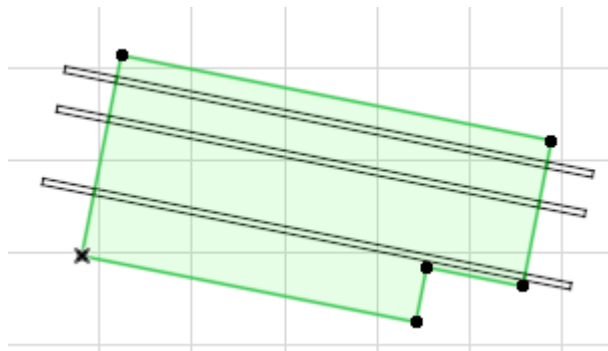
16th Feb 2024

- New rules to weatherboards: please search for these terms from the manual:
 - sideup
 - sideout_opening

- gnDirSide
 - For joining the pieces from ends via xml: *keepend* and *keepside*
- Changed the license communication way to avoid Mac license error messages “SSL connect error” happening in some configurations.
- Groove tool now allows using force depth in cases like this where bottom plate is split in the target area using door as cutting operator:

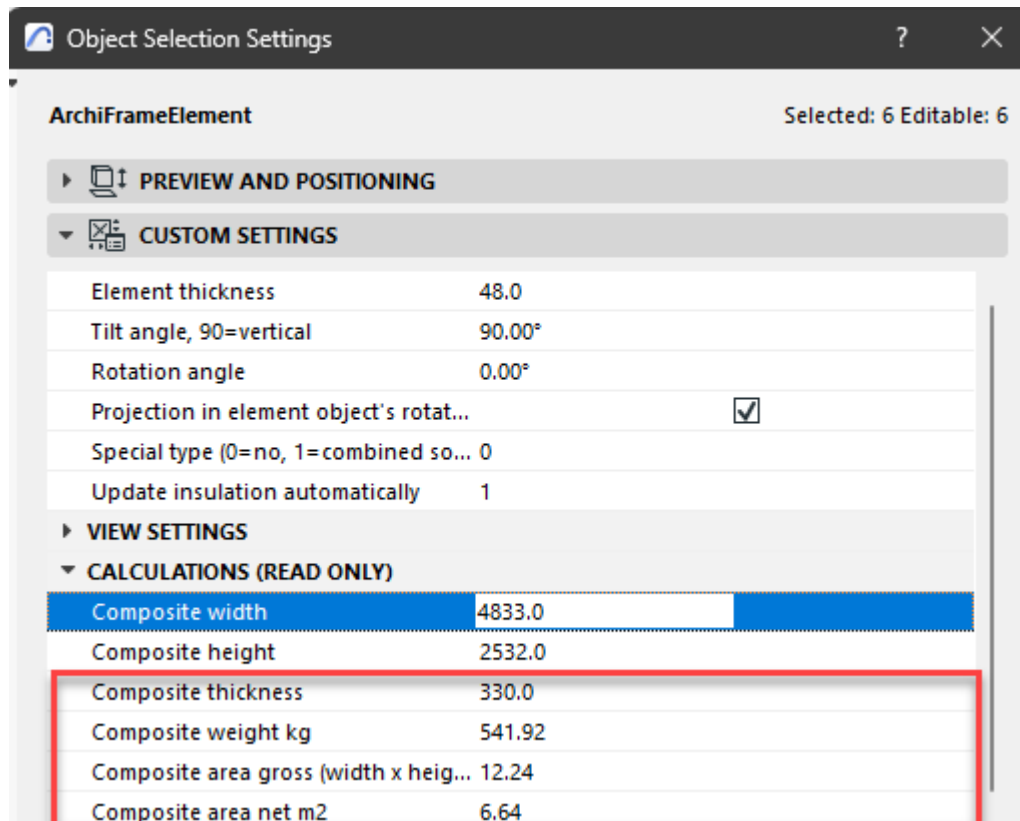


- Rotated slab is now better handled as groove cutting operator:



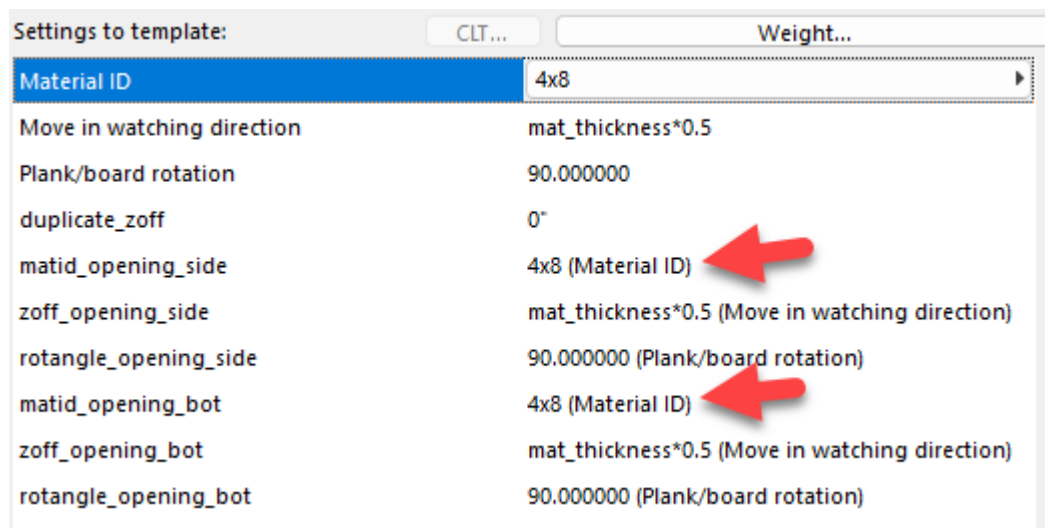
- Lua scripts: af_elemdata now processes lengthwise cuts, please search for af_elemdata from the manual.

- ArchiFrameElement-object has new calculated values:



To update for existing objects, open AC object settings dialog for the ArchiFramElement-objects and close with OK and ArchiFrame will calculate and set these values.

- Possibility to set properties from xml and Lua-script. Please search for text prop from the manual.
- Copy & paste between elements grouped the pasted new pieces to the original source. Now it correctly groups with the target's existing pieces.
- New file and folder browsing windows in the settings dialog.
- Own element dialogs now show the current setting and referenced value in (parenthesis) in real time:



- Insulation exploding greatly improved.

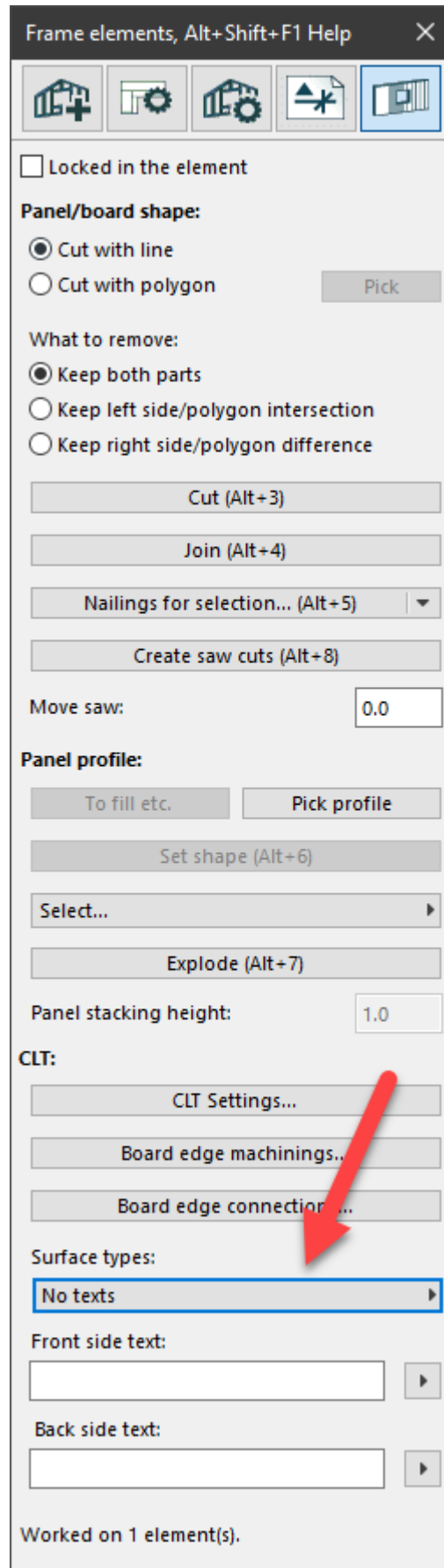
3rd Jan 2024

- New ArchiFrameBoardPanel:
 - CLT:
 - THERE IS A BACKWARDS COMPATIBILITY BREAK IN THE CLT-TOOL PALETTE SET FRONT/BACK TEXTS - PLEASE CONTACT YOUR DISTRIBUTOR OR US TO HELP YOU EDIT YOUR OWN SETTING

TO BE COMPATIBLE WITH THIS NEW VERSION. This is a very rare situation as we always try to be backwards compatible. The new way to set the front/back types is much more flexible.

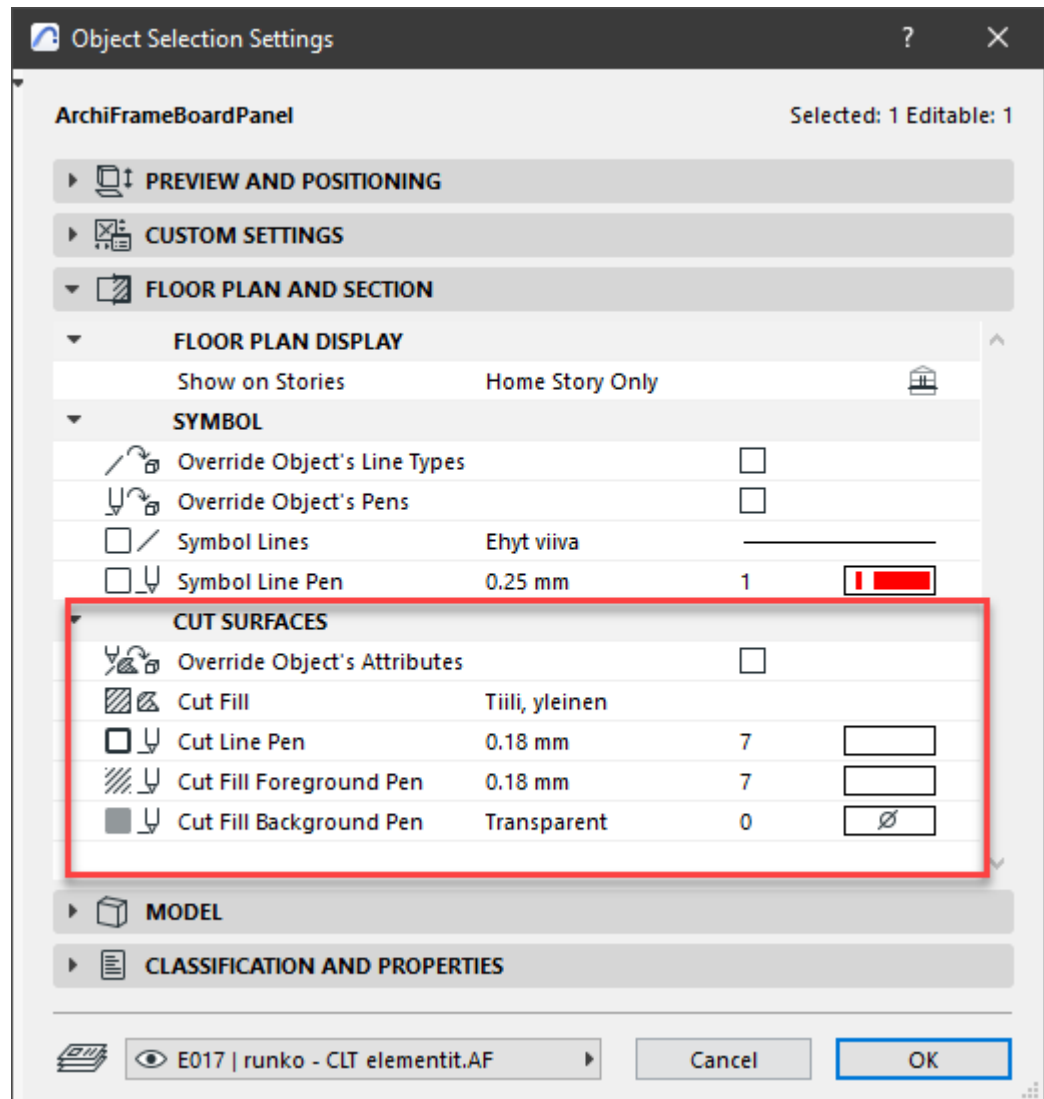
- ArchiFrameBlocks[Changes].xml change: Tag <clt_frontback> is no more used in the elements/board tool palette. Now instead <clt_front>, <clt_back> and <clt_bothsides> is used. Please see the default data/ArchiFrameBlocks.xml for the definition.
- New grain direction pointer types: Arrow, Lines, Single line and None
- Has separate parameters for arrow types on front and back

- Added new item to set both sides with single selection to board palette, this will change direction arrow to two lines if visible and a single line if non-visible:

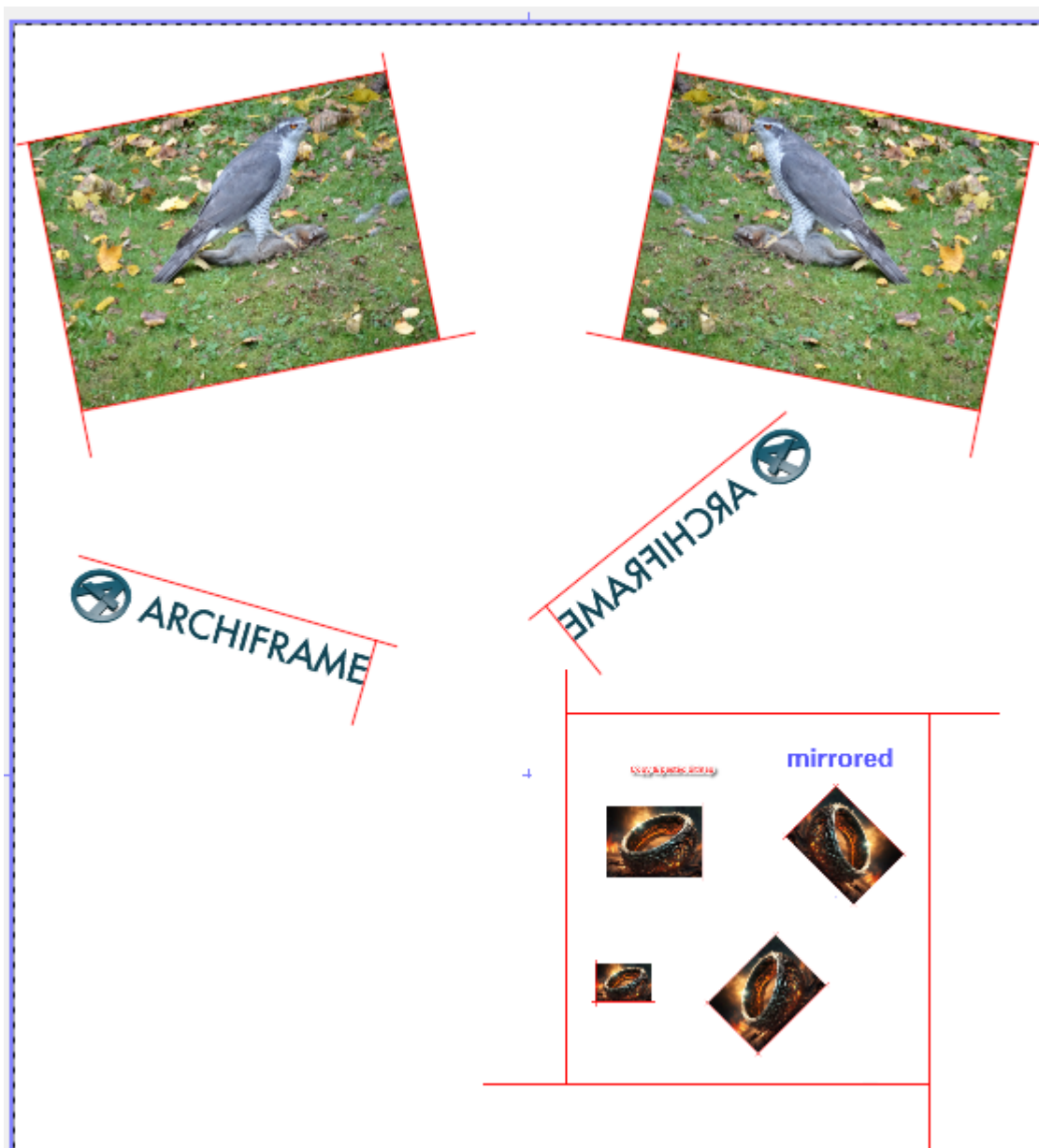


- Backwards compatibility changes:
 - To support cut and uncut surfaces the object now uses these for cut surfaces - earlier used settings from SYMBOL part for cut and uncut surfaces - please adjust the settings for old

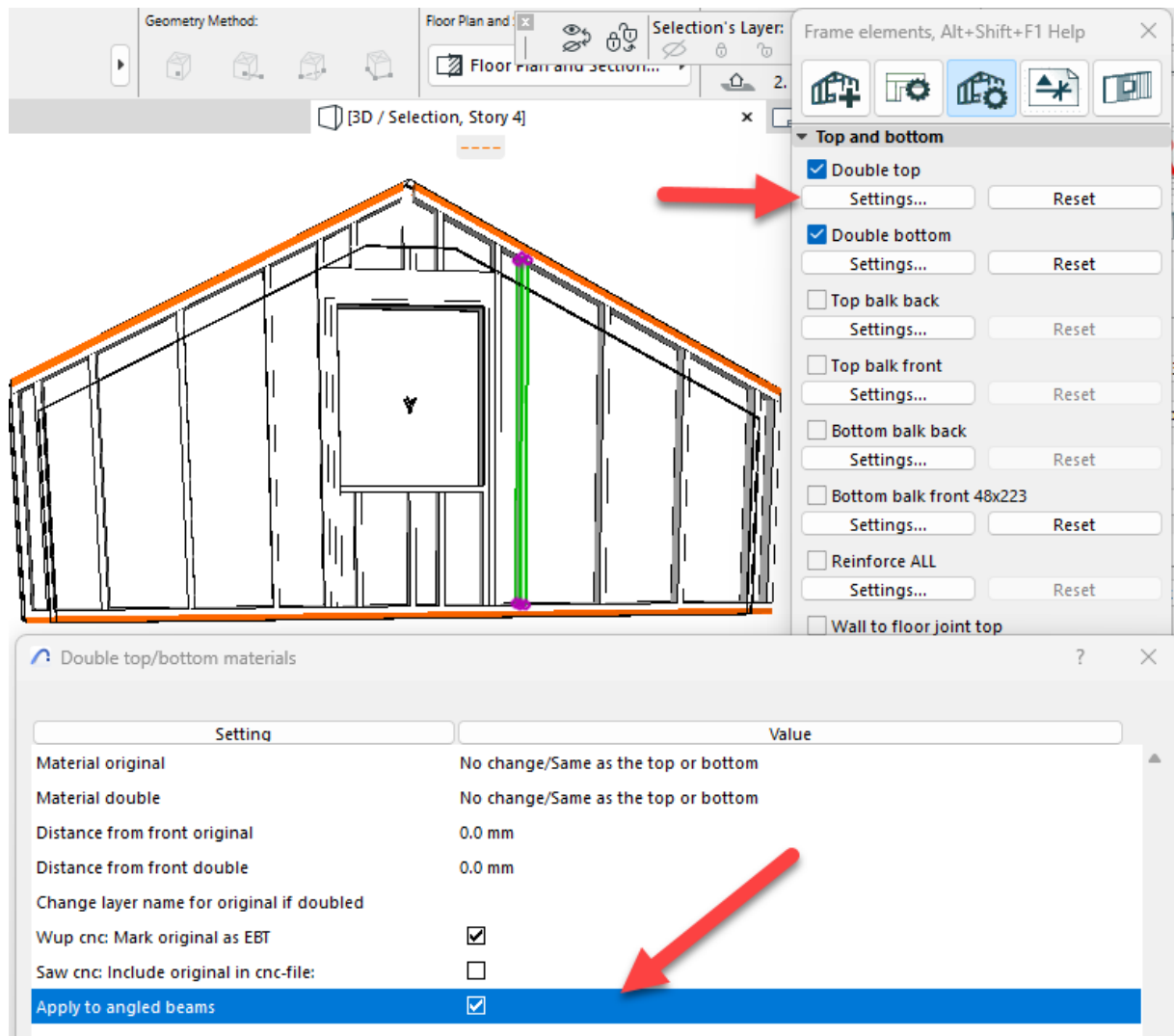
models if needed:



- Using the drawing type layouts now support having pictures:



- Double top & bottom supports now angled top and bottom edges, also the same settings for both top and bottom now fixed distance from front -settings work:



- Moving/deleting hotlinked module does not any more affect the original's elevation
- Elem tool / Paste picked planks / boards did not take the projection piece settings correctly from the target element.
- Bug fix: Element tool/teaching corners now skips boards as sources since it produced bad results.
- New option to explode insulation if its thickness is changed more than the thresholds here (please press Alt+Shift+F1 to get help):

Custom Element Layer Settings, Alt+Shift+F1 Help

Bindingsverk ISO 36x198

New Duplicate Delete

Single layer settings

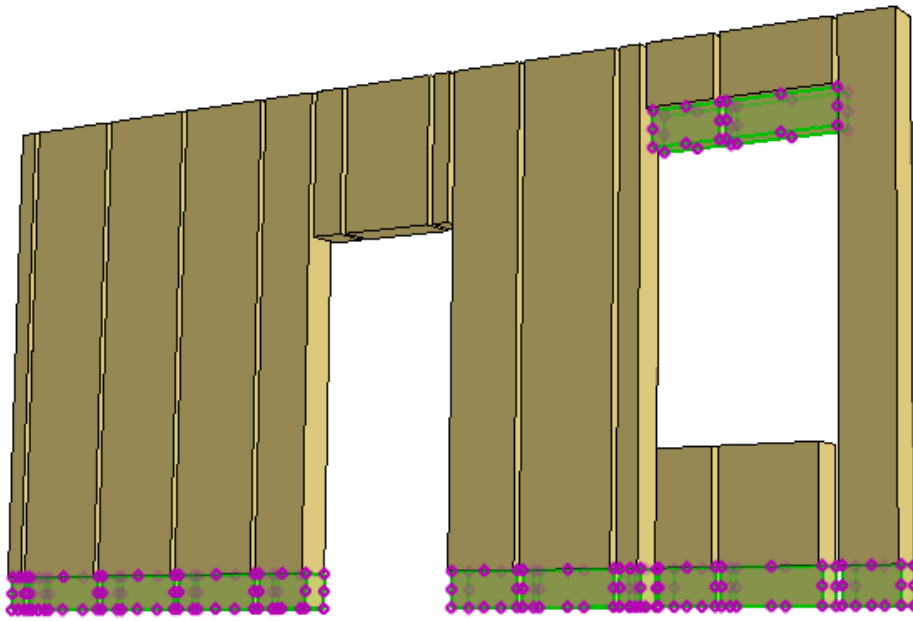
☒ Enable editing (check to edit current item)
☐ This type is available only for the current project file

Based on: Framing

Layer ID: Bindingsverk ISO 36x198

Settings to template: CLT... Weight...

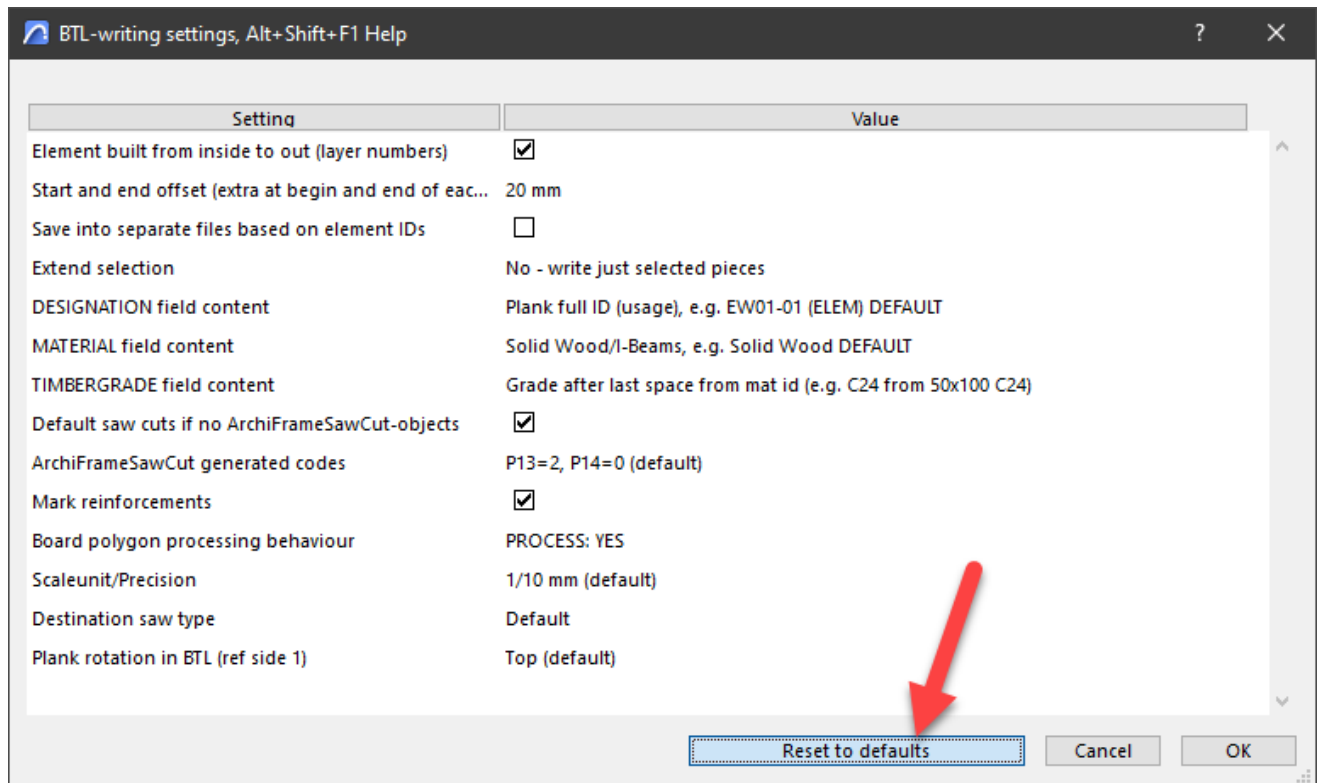
insu_split_if_bigger	0.0
insu_split_if_bigger_percentage	30.000000



- Boarding strategy 1: Did not work at opening edges correctly if the framing layer had insulation pieces.

8th Dec 2023

- *Reset to defaults*-button added to any script based settings dialog:



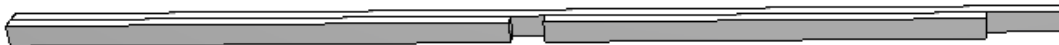
- Fascia tool may have crashed when applying older types.

29th Nov 2023

- Creating ArchiFrameElements from hotlinked AC-elements failed - fixed in this version. (To support copy & paste between Archicads, ArchiFrame needs to write some information to source AC-elements also, please reserve those if using TeamWork/BIMCloud.)

22nd Nov 2023

- Wup-export/markings: If there were two pieces causing markings not producing similar lines, there were multiple lines showing each piece separately. Now these studding pieces are combined to single marking:



- Possibility to add Lua script to give IDs to boards, please press [Alt+Shift+F1 here](#):

Custom Element Layer Settings, Alt+Shift+F1 Help

GYP 12x1200x2700 - int

New Duplicate Delete

Single layer settings

☒ Enable editing (check to edit current item)

☐ This type is available only for the current project file

Based on: Boarding

Layer ID: GYP 12x1200x2700 - int

Settings to template: CLT... Weight...

Boarding strategy (see help)	2
circle_to_rect_max_diameter	0,0 mm
Board type ID	GYP 12x1200x2700
Board width	1200,0 mm
Board height	2700,0 mm
Board id assign script	renum_board_example

- Btl-export/Setting destination to Stromab did not have any effect, fixed.
- Xml-setting <elemparam name="markertype">12</elemparam> works now for angle dimension too.
- It is possible to add roof angle dimensions to the element drawings, please press Alt+Shift+F1 here:

Custom Elements, Alt+Shift+F1 Help

_Permasym

New Duplicate Delete

Load types... Add types... Save As...

Composite element settings

☒ Enable editing (check to edit current item)

☐ This type is available only for the current project file

Based on: Petteritest v 1.0

Element type ID: _Permasym

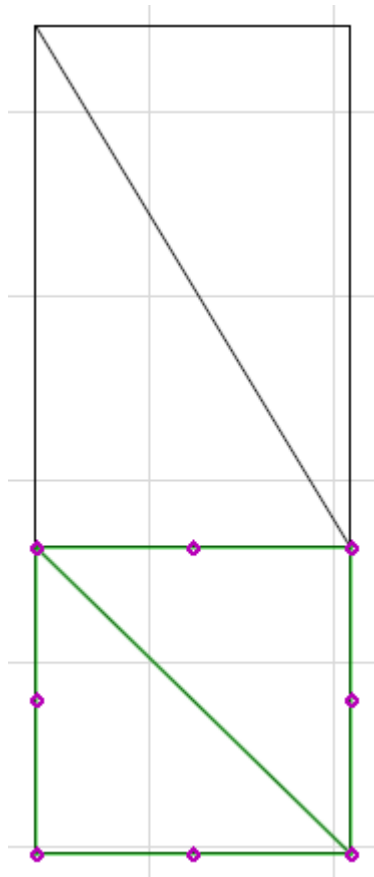
Element stamp text: XX

Composite settings to template:

top_angle_create	1
top_angle_yoffset	2000 mm
top_angle_radius	1000 mm
top_angle_markertype	5
top_angle_markersize	5
top_angle_pen	11
top_angle_line_pen	1
top_angle_line_type	1

5th Nov 2023

- Cutting board in floor plan in board's direction did not work - fixed:

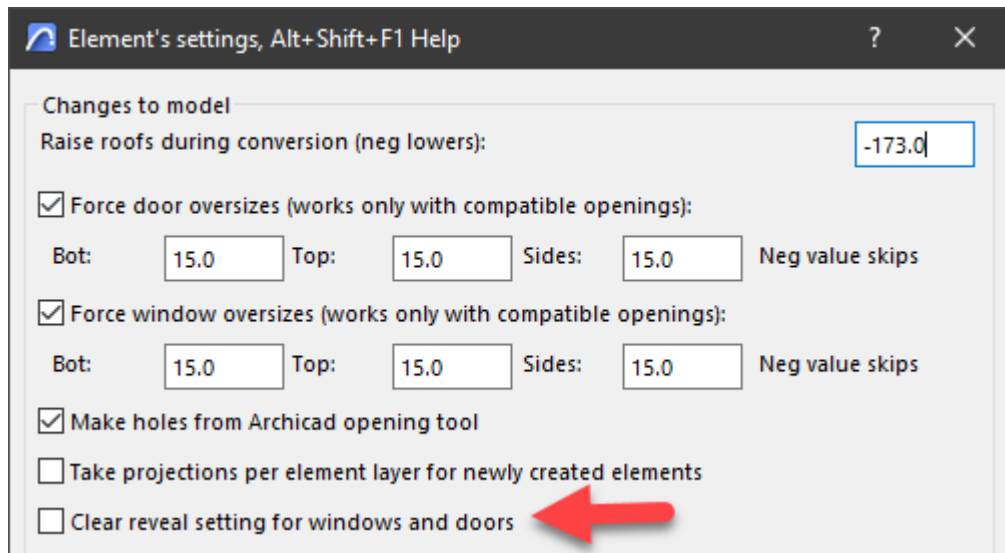


- Board hotspots in the floor plan may have been rotated wrongly
- Fascia-tool: xml tag at the end of definition that can be used to disable automatic connecting of the beam ends. Please see help from the Fascia settings dialog (Alt+Shift+F1).
- AC27 fixes:
 - Lua-scripts accessing attributes in AC27 may have failed due to changes in internal attribute type numberings with an error message containing APIERR_BADINDEX.
 - Setting font name from xml did not work
 - Setting pen from xml may have failed
- New xml-setting for any element type (please see the manual): `<elemparam name="drawindex">14</elemparam>`
- When copying ArchiFrameElement which has manual ID setting on for planks and/or boards, the new planks and boards will have original IDs instead of emptied ones.

13th October 2023

- Added Samples/Data_Yours_BASE_DACH to be used in German speaking areas
- Salvador cnc-export fixes

- Possibility to reset door & window reveal setting when creating new element:



- Element option Board support piece: If applied without any boards, you now get a message “Board support: Cannot find related boards, skipped” instead of a long code error message.
- Board edge support: May have added extra board support pieces if the boarding layer extended over the framing layer.
- ArchiFramePlank: Added parameter building material that will be used if nonzero. Can be set from xml.
- Archicad opening can be used in groove and drilling tools as cutting operator.

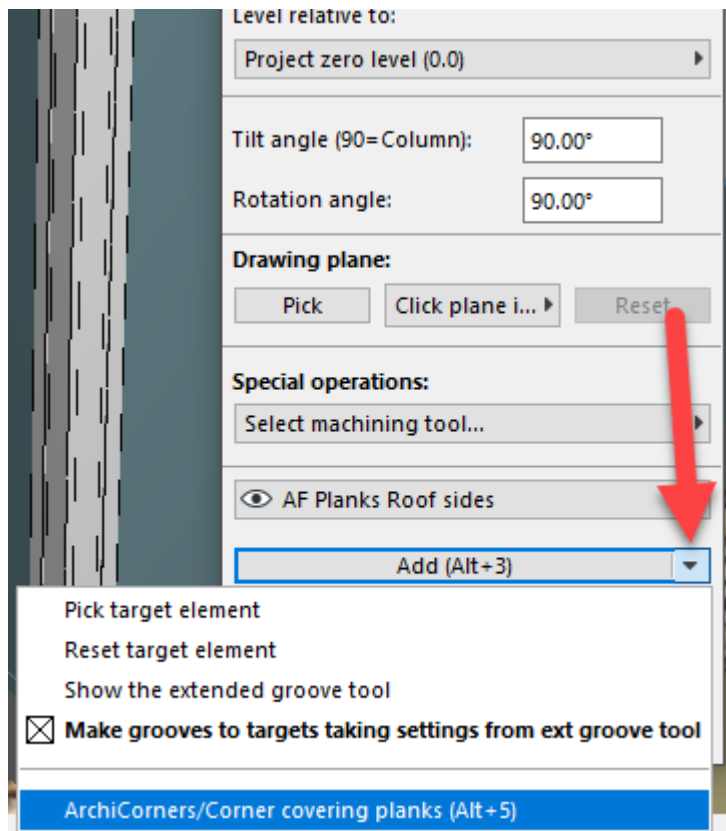
2nd Oct 2023

- AC27 version included
- Online license dialog shows maxver=xx telling the highest Archicad version the license is valid with

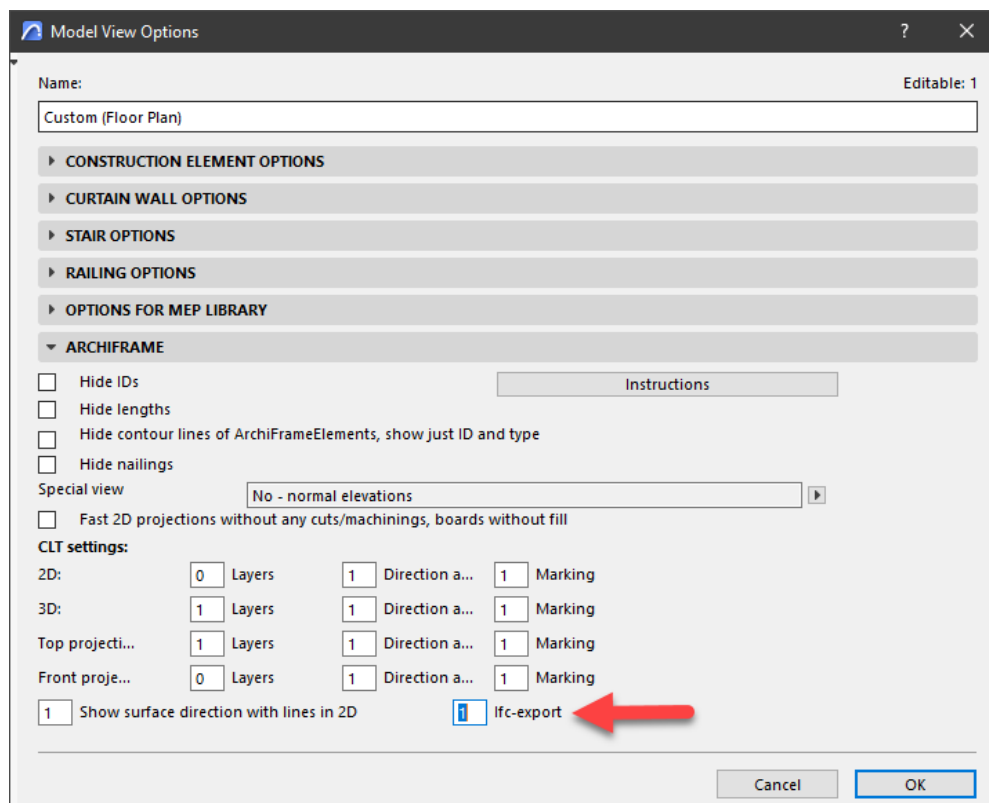
26th Sep 2023

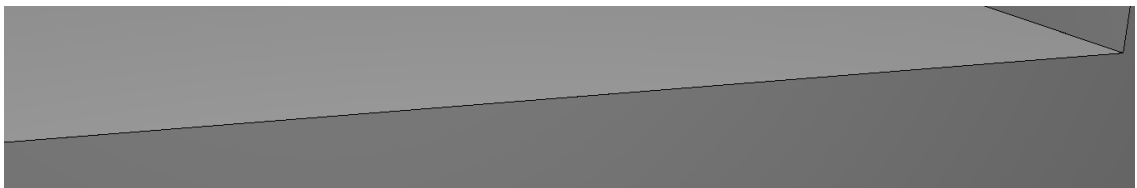
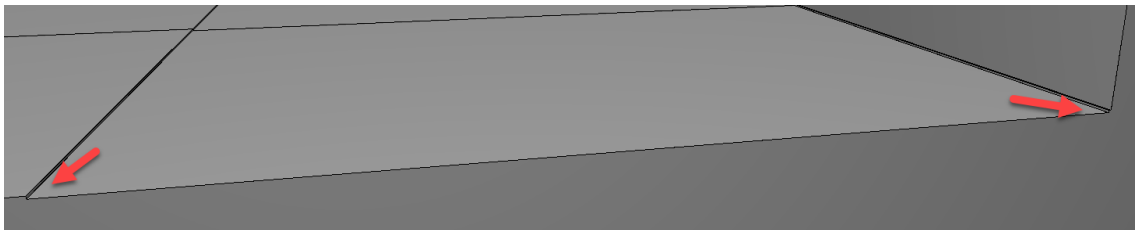
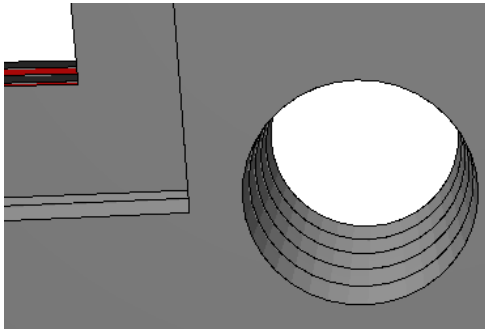
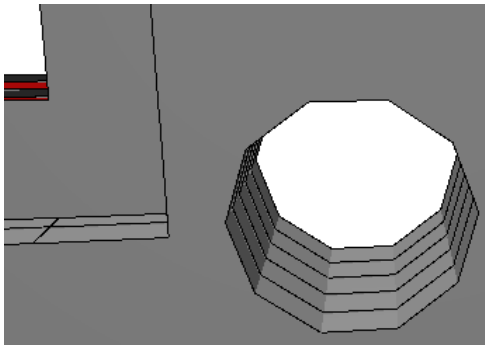
- Trusses with arcs in polygon: Now arcs are converted to 36 line segments or max 10 mm difference from the arc.
- Overwriting existing CLT-preset did not work in CLT-settings dialog. Just saving new one worked ok.

- ArchiCorners/Add corner pieces moved to plank tools here:

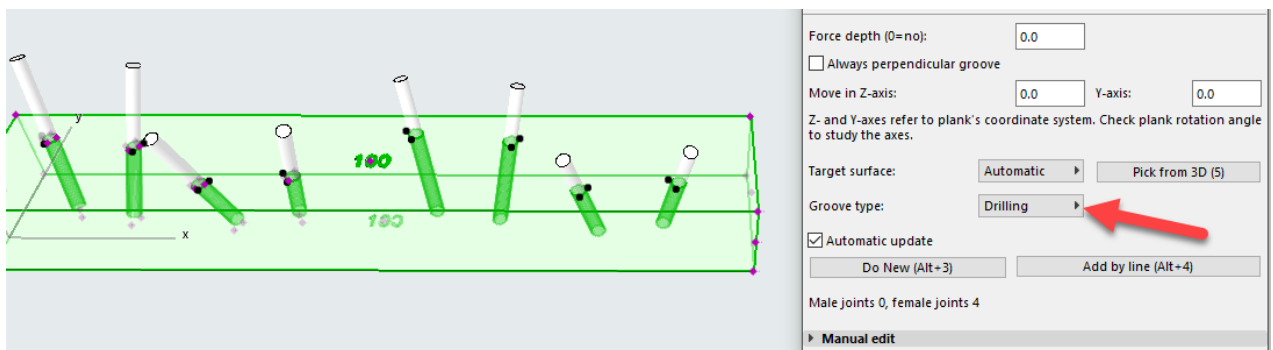


- Library:
 - ArchiFrameBoardPanel CLT now has default value of +200 mm and -200 mm to show front & back texts instead of old everything ID & these texts on the same line.
 - Model view option ifc that increases accuracy of drillings, removes groove extension by 0,1 mm to each side and disables additional planes in each plank side that are used to get lines between touching planks in sections:



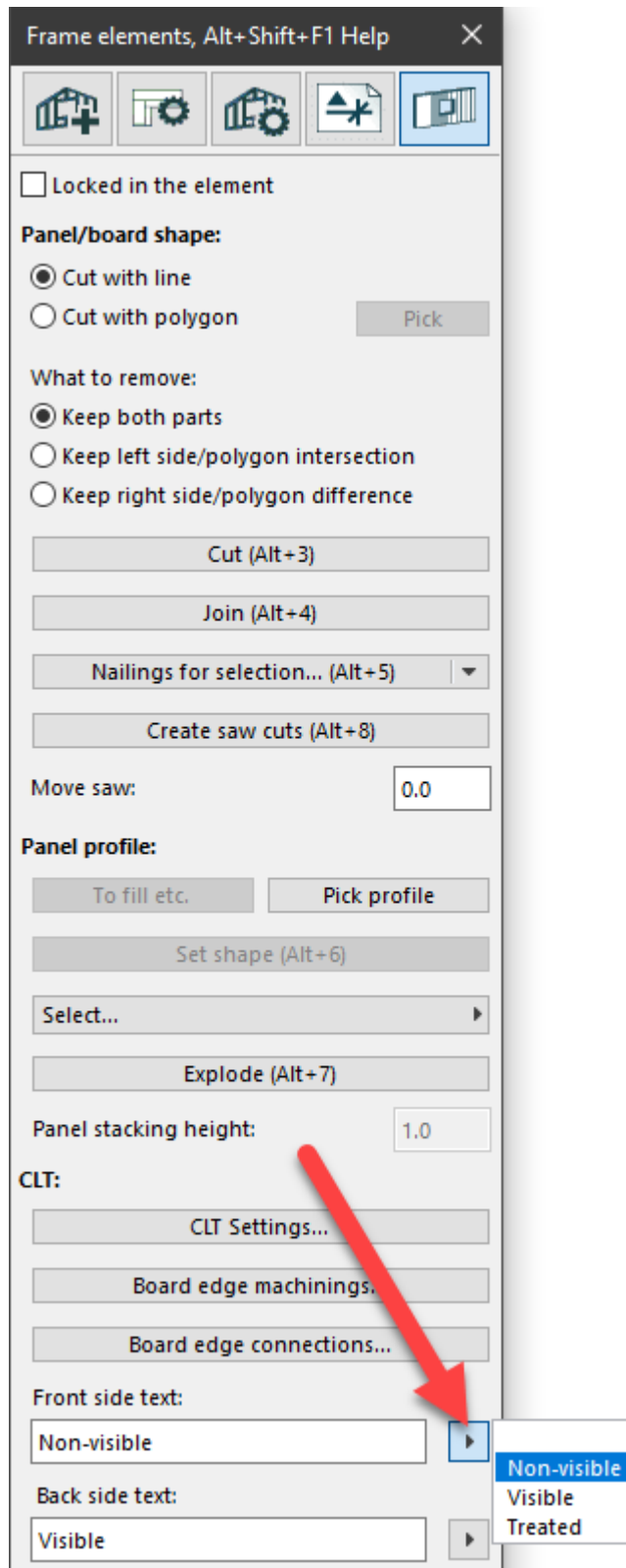


- Groove tool extended to produce angled drillings:



- ArchiFrameElements/More settings: Possibility to skip Archicad openings.
- Connected operations from extended tool palette fixes: Support creating multiple copies, some bug fixes for previous BETA.
- **Copy & Paste between Archicads is now supported!** Please see the [manual](#).
- Improved user interface and the manual for *Board edge connections/Use connection piece*.

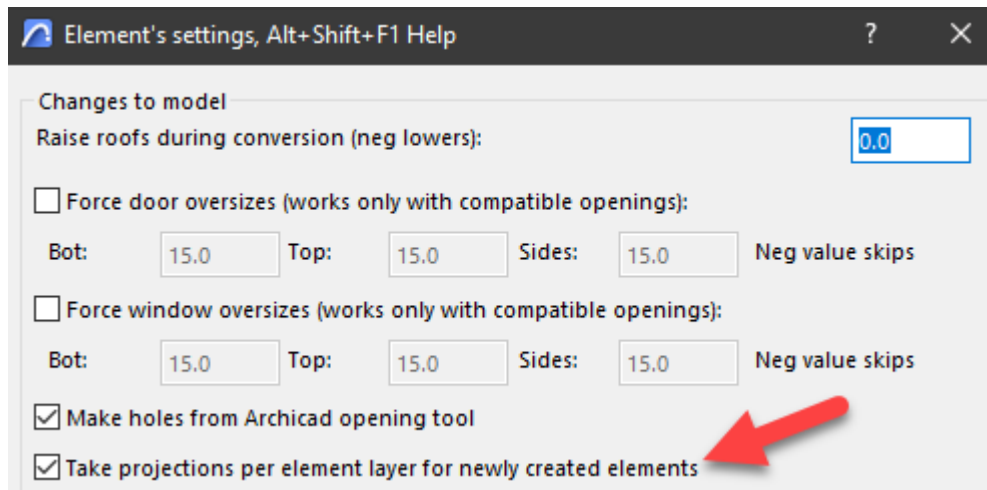
- Presets for CLT-boards front/back -texts here:



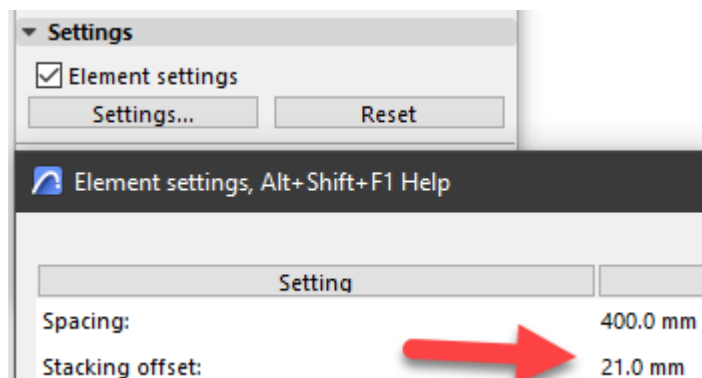
Own definitions should be put to user specific settings/ArchiFrameBlocksChanges.xml, please see <clt_frontback> from the ArchiFrame Samples/Data_Yours_BASE_XXX_own (default place in Windows C:\ArchiFrame\Samples\Data_Yours_BASE_XXX_own).

- Corner tool: Now it is possible to apply corner rule that includes plank for a boarding layer. Teaching is ok, but earlier AF did not create the taught planks for a boarding layer.

- New option to support wall niches and door & window closures, please see the [manual](#):



- Element settings-option has now a new item stacking offset to override it for example to match neighbouring horizontal studding layers having different levels. Please note that all settings must be given if the option is checked:



10th August 2023

- In previous beta there were sometimes problems copying linked elements like a plank creating a groove to another plank.
- ArchiFrameBoardPanel may have given a warning message "Resol parameter value is less than 3..."

- These settings may have created extra groove to the target for connection types like hidden shoe even if they were not part of the connection:

Tools

Operation targets
ArchiCAD selection(1 elements)

Get pocket/mortise (Alt+1) Select

Not selected - searching all Frame planks intersecting targets

Get marquee (Alt+2) Empty

Settings:

Select... + -

Type: Tenon&Mortise Join to: Side

Tenon length: 50.0 Border bot: 5.0

☒ Border top: 20.0 ☒ Border sides: 10.0

☐ Tenon height: 60.0 ☐ Tenon width: 50.0

Rounding r: 22.5 Tenon bot gap: 1.0

Tenon side gap: 1.0 Tenon top gap: 10.0

Broadening angle up: 0.00° Move tenon right: 0.0

Tenon anchor/dir: Upw... Tenon rot angle: 0.00°

Housing depth: 0.0 Housing oversize: 0.0

- Element option *Board support* fixes

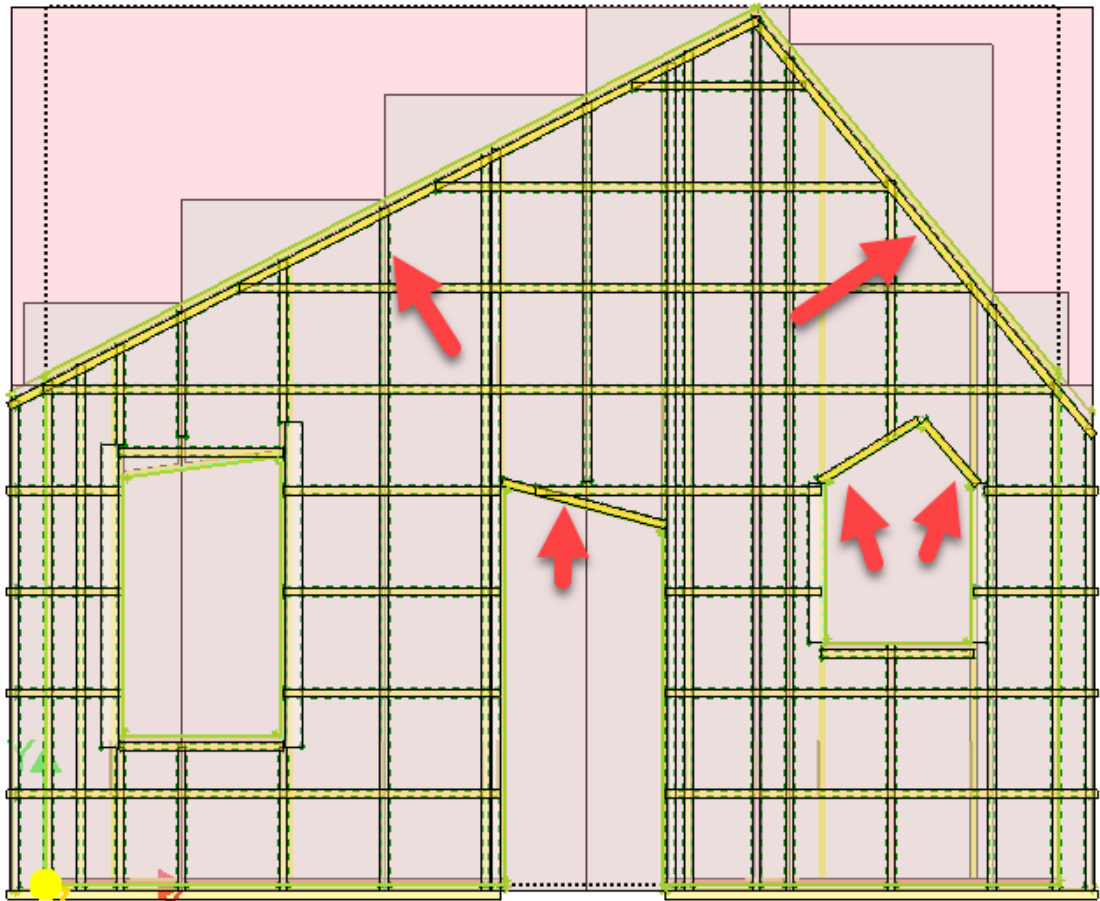
26th July 2023

- Framing rules *Floor/roof horizontal no sides* improvements for opening pieces.
- Add & Attach plank: Now copies more settings from existing projections like ID separator not to show the full ID in the element drawings.
- Lua: `ac_elemget()` now returns all IFC-properties correctly

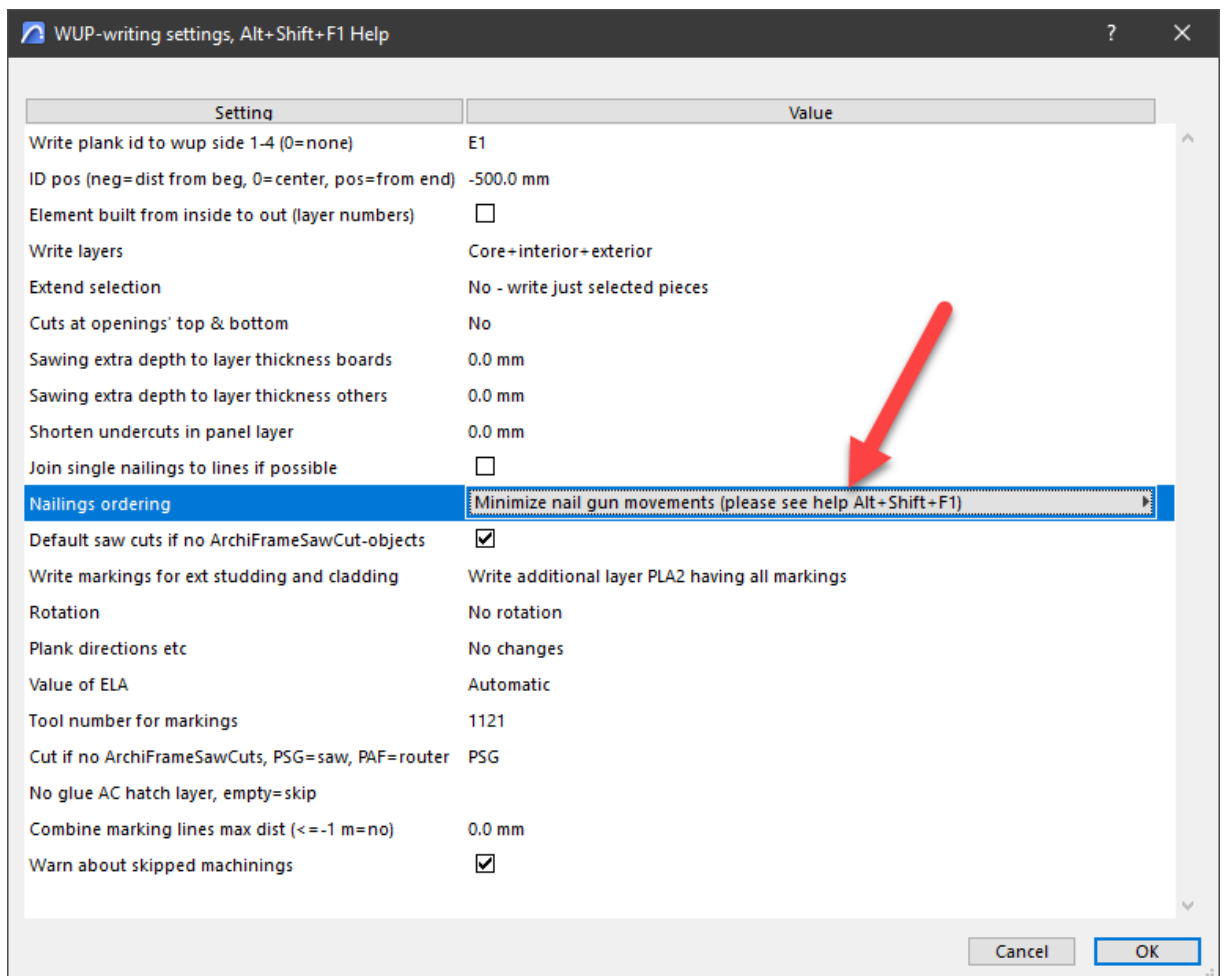
21st July 2023

- Wup-writer improvements, please press Alt+Shift+F1 from wup-writing options for details:
 - Angled non-core parts now written into the wup-file with SLx-codes. Previously were skipped
 - Write framing CNC for plank -setting value -1 will exclude the plank from the resulting wup

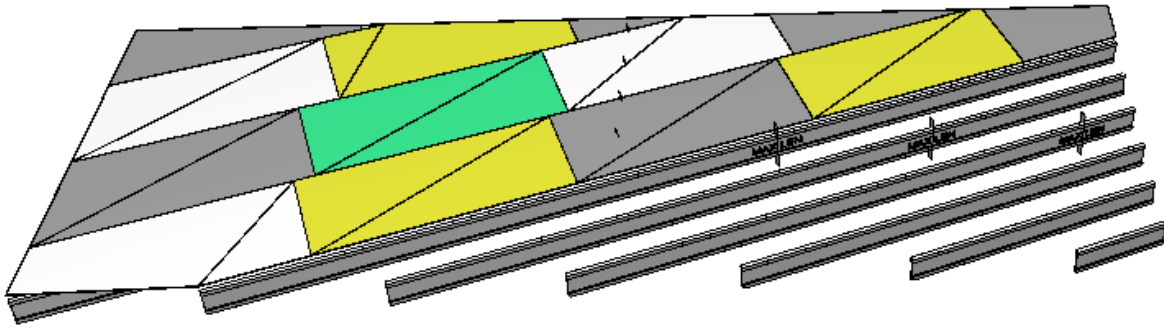
- Angled parts are now included in the markings:



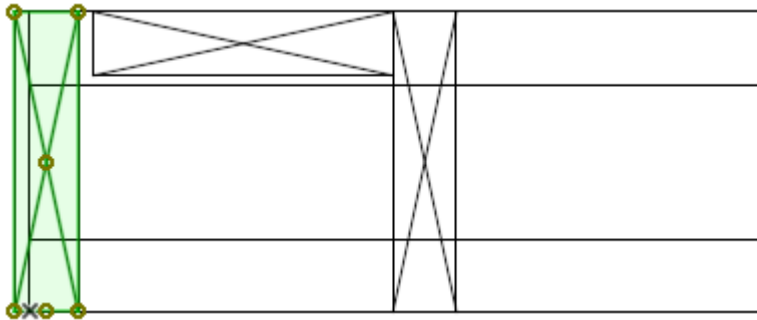
- New options for nailings order



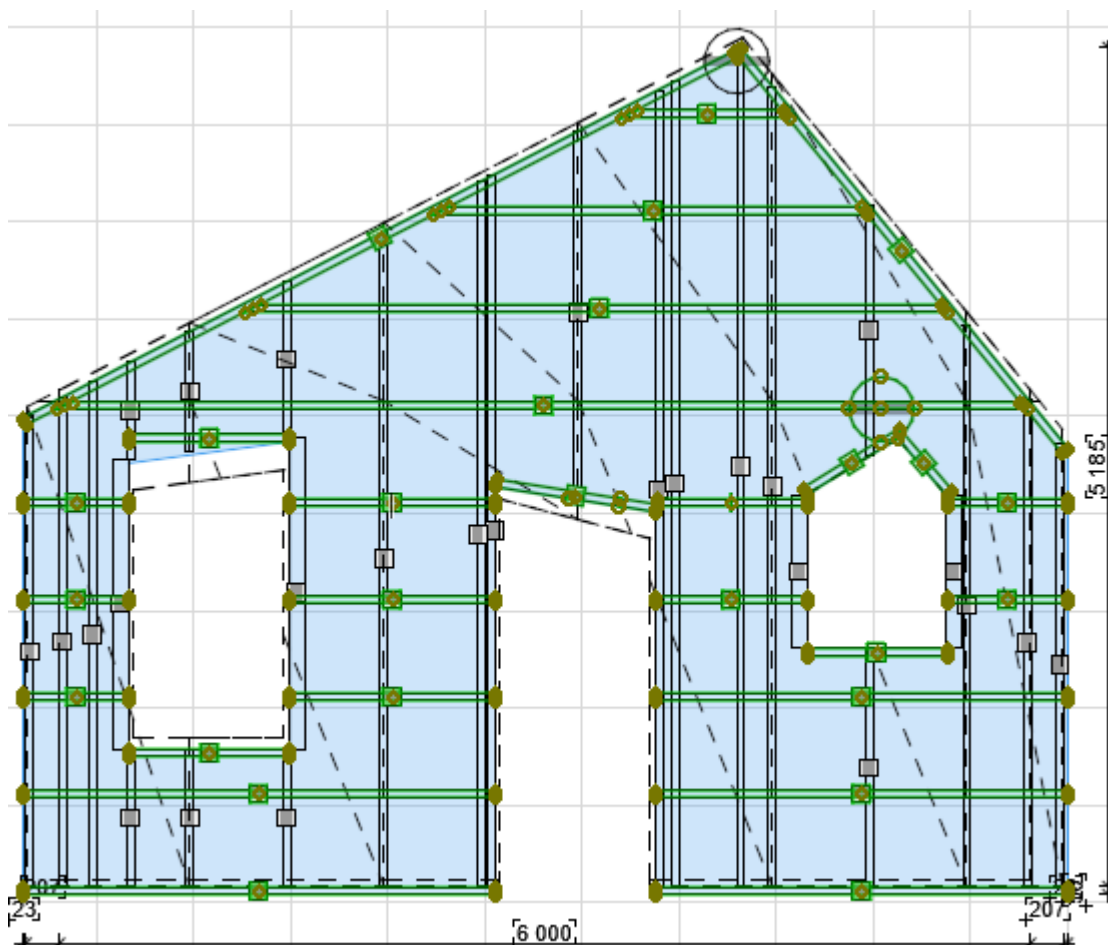
- Double angled elements and boards supported now:



- Copy & paste between elements improvements, video [here](#).
- In some cases the min distance between studs rule may have moved piece outside the element:

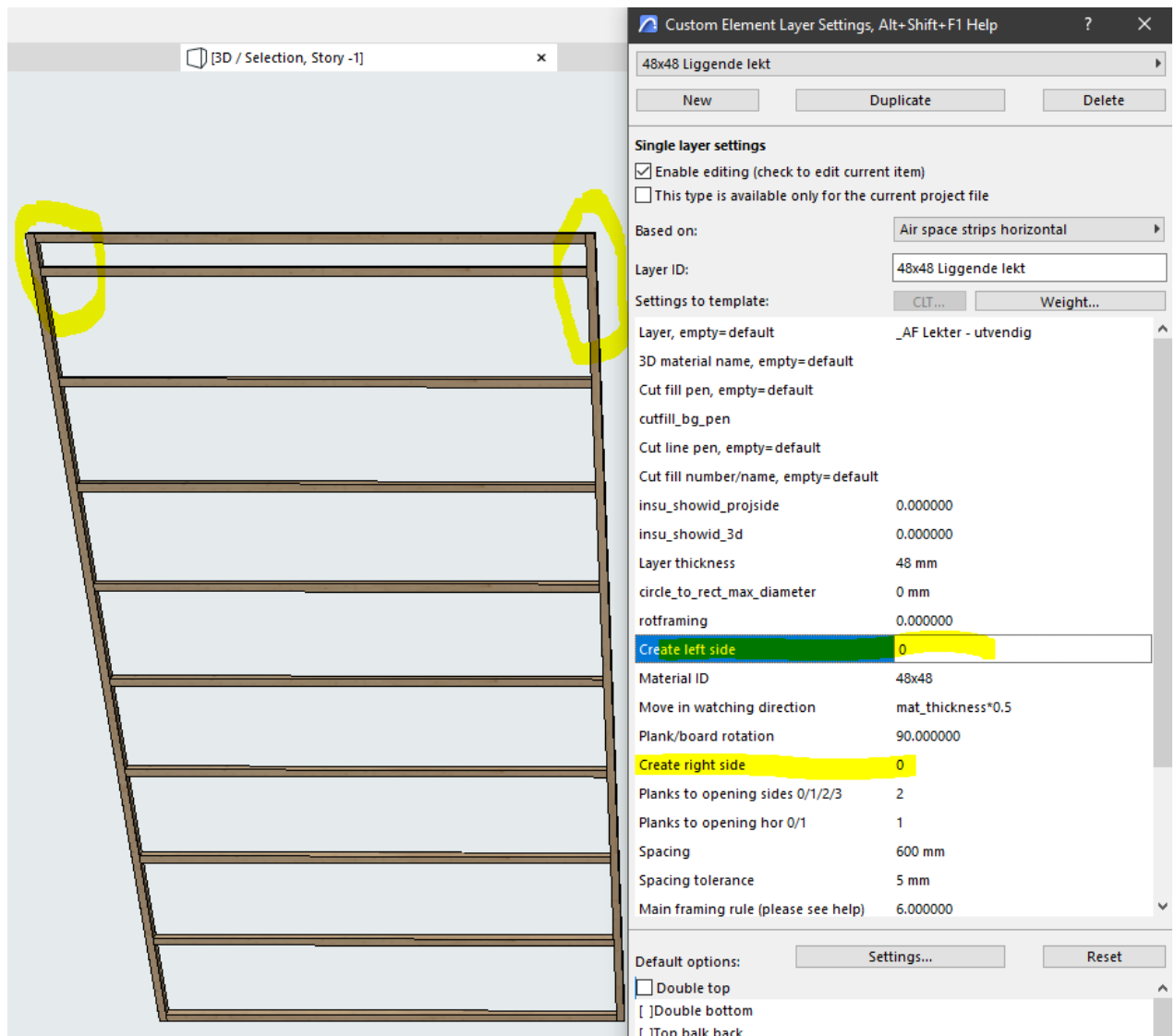


- New framing rule *Air space strips horizontal with angled parts* to include angled parts for air space strips horizontal, manual [here](#):

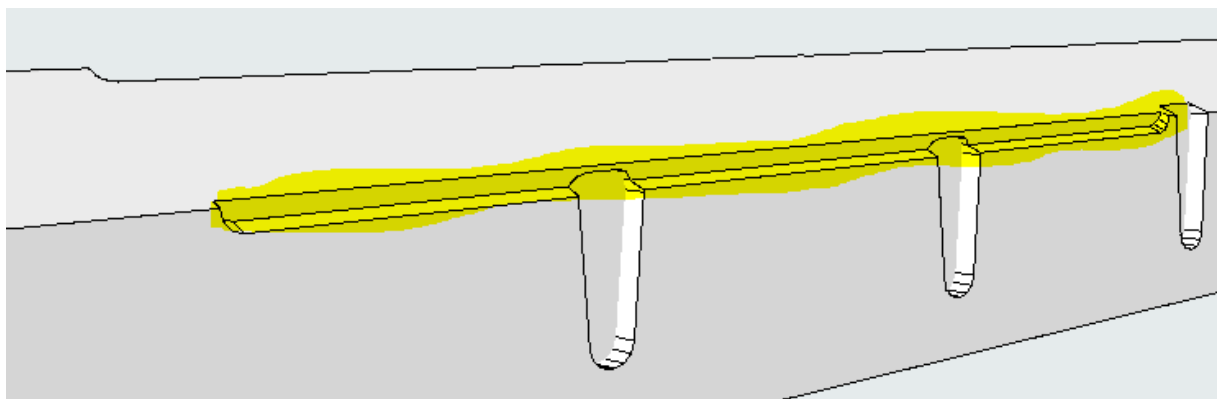


- Listing CSV Elements for transportation did not include board only elements (CLT). Now those are included as well.
- WUP-cnc-export: Markings for rotated export were clipped to unrotated bounding box - caused missing markings.

- Air space strips horizontal caused left & right hand side pieces to be created if material width $\geq$ height - now by default not and there are settings for that:

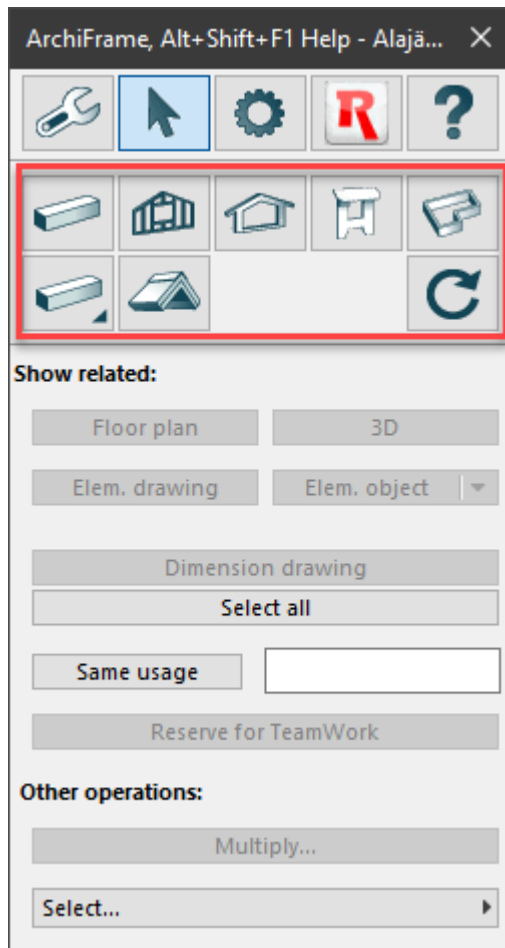


- Hundegger bvn-export: Angled non-vertical grooves may have come cutting as infinite groove even if it was finite - for example this comes now ok:

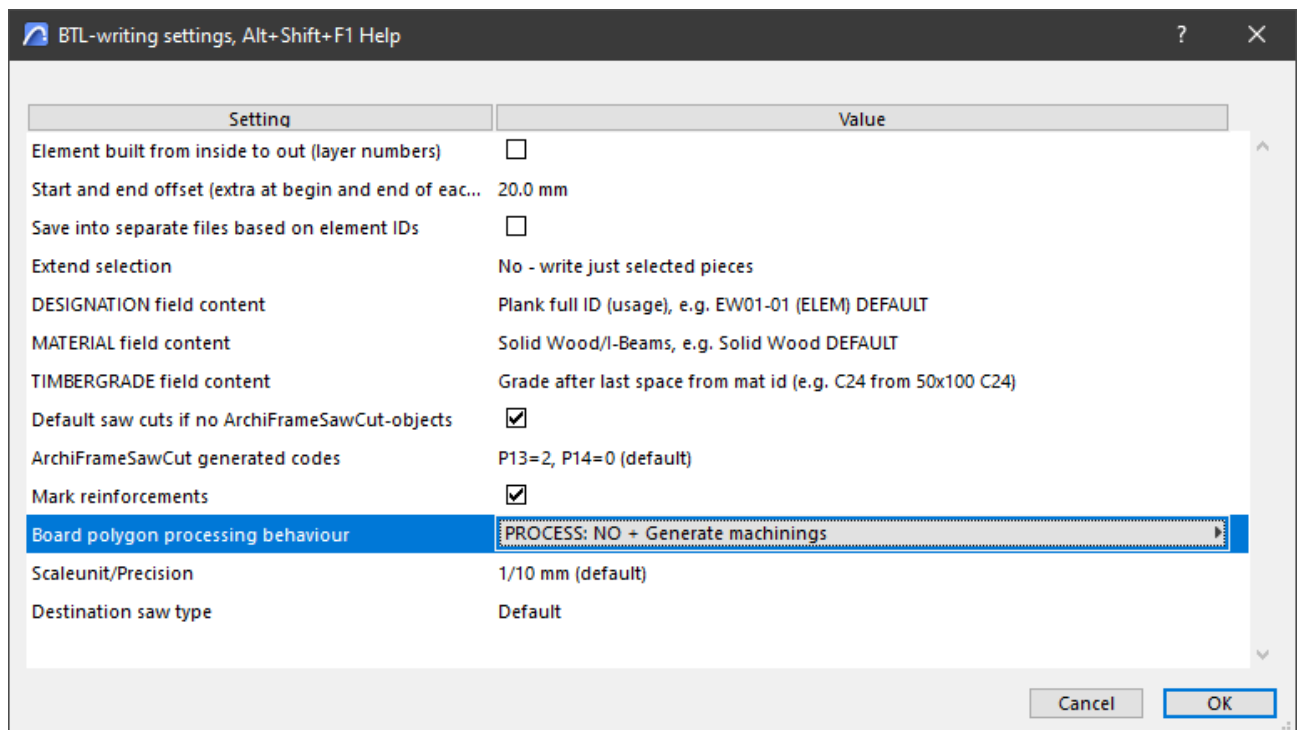


- *Recreate just selected layer* did not work for main framing in multilayer elements.
- Main element tool level inputs now work for slab-kind of elements also modifying the core layer's level.

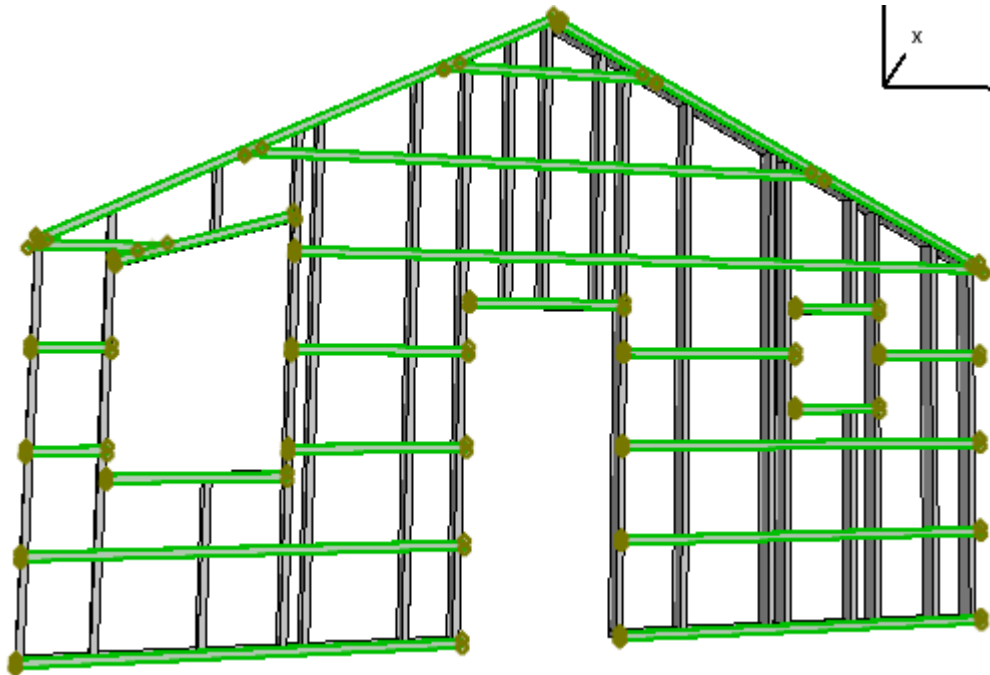
- Main palette/selection tool now shows the other tools:



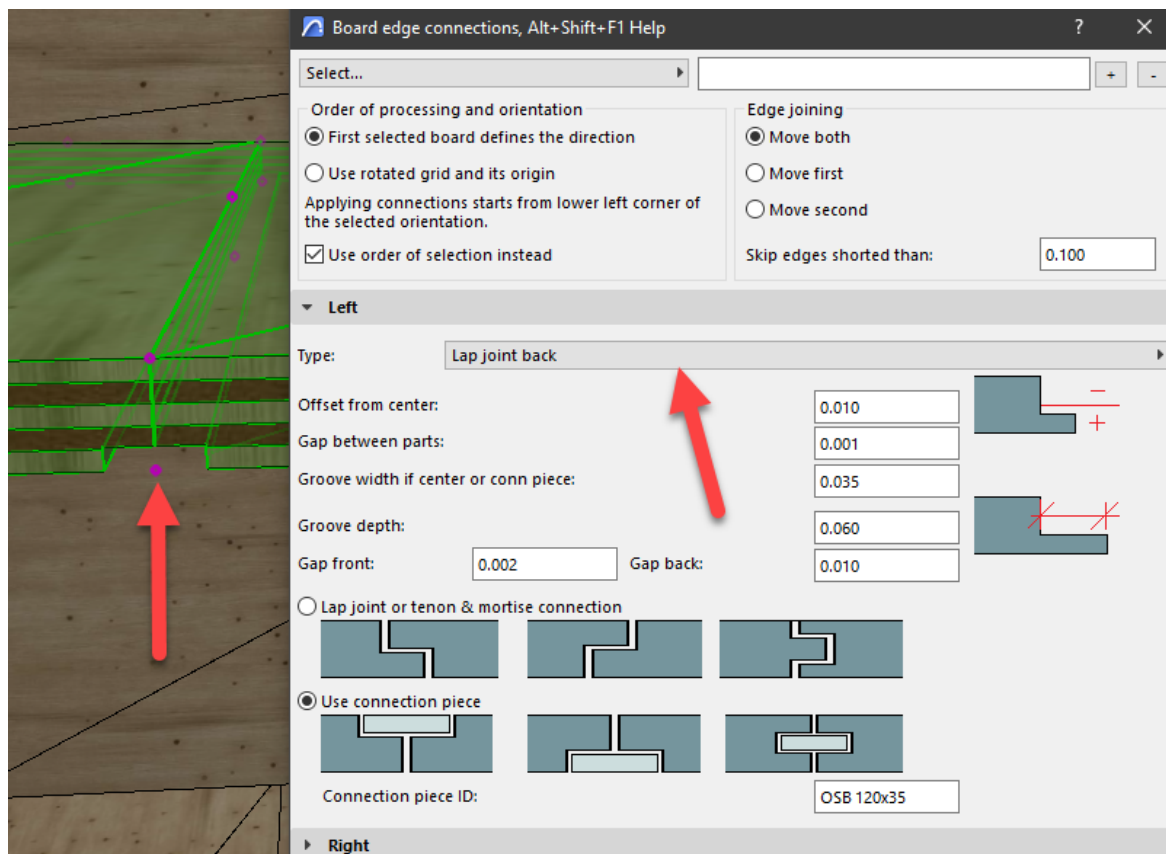
- New option for cnc-output in the btl-writer, please press Alt+Shift+F1 for more info:



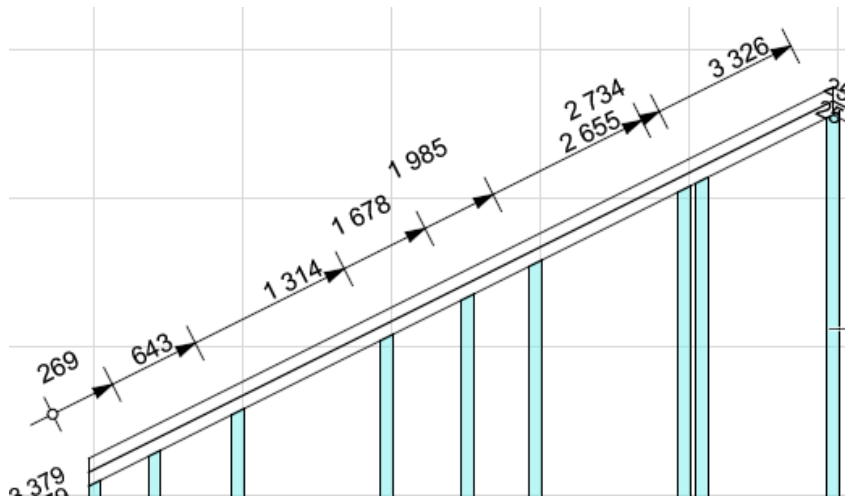
- Added new framing rule *Air space strips horizontal with angled parts:*



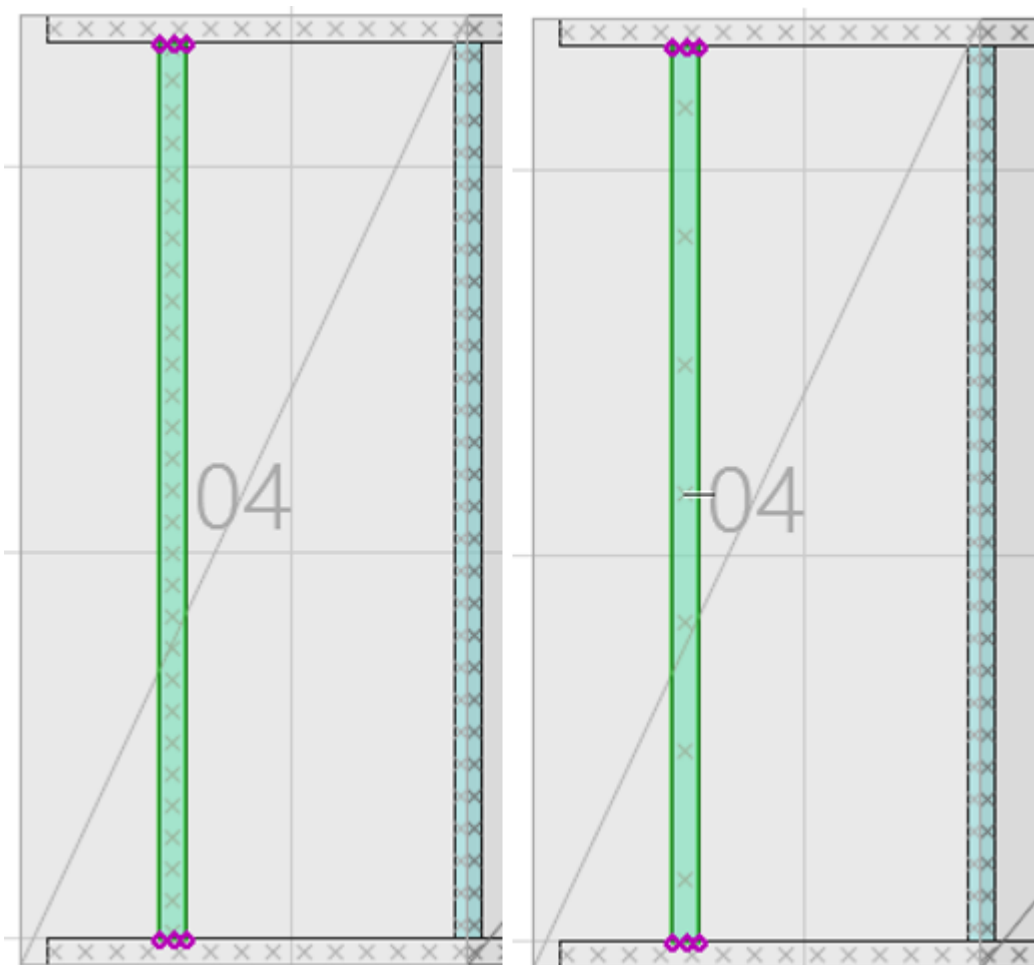
- Board edge connections: Changed the meaning of front and back to be more logical when using connection piece - now it comes like this:



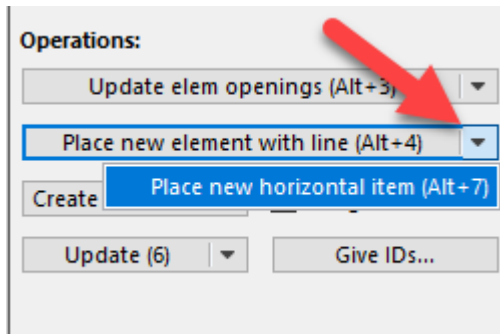
- Dimension line for double top plate for gable walls now works:



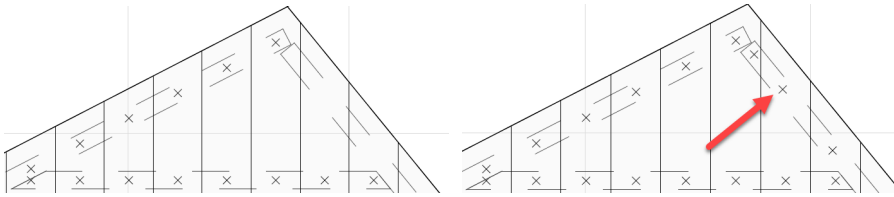
- Installer: Samples/Data_Yours_BASE_xxx -folders now contain some wall, roof and floor types for easier trialing.
- Listings:
 - If the data-folder name contained some special characters like ÅÄÖ, the operation may have failed.
 - `af_request("plankinfo")` did not return the kgperliter defined in the elem weight settings
- Nalings dialog: Extended edge spacing will make ArchiFrame to use edge nail spacing for the furthest supporting pieces even if it is far from the board edge - checked it will produce result like this and right hand side without it:



- Possibility to add horizontal elements without related Archicad slab and improvements for editing horizontal elements' levels, please see video [here](#):



- Nailings: Steep angled roofs now get rules from crossing nailing if parallel nailing spacing is 0 and planks have at least 1 degree angle difference (previously always used parallel rule if angle between planks below 45 deg), left old, right new:



- Creating multiple copies of linked cuts (operations like groove, tenon&mortise etc) using Archicad Multiply-tool now keeps the links ok.
- V-cut with lines: Polyline now accepted and changes to Hundegger bvn-output
- Possibility to add custom [Lua-script](#) to calculate door & window weights.

23rd May 2023

- Staggering setting for nail lines close to each other (please press Alt+Shift+F1 for more info):



17th May 2023

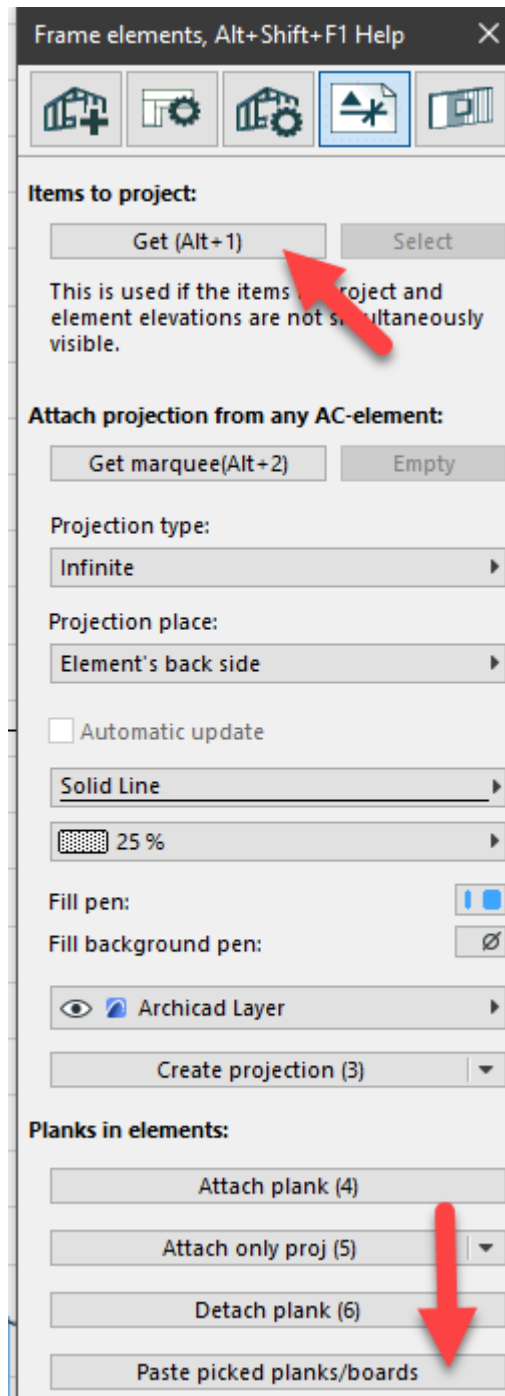
- Apple Silicon version included, the Mac bundle is now universal containing both Intel and ARM-versions.
- Fixed problems with hi DPI-screens

12th May 2023

- Using column and beams as drilling operator was damaged in the previous beta - now it works again.

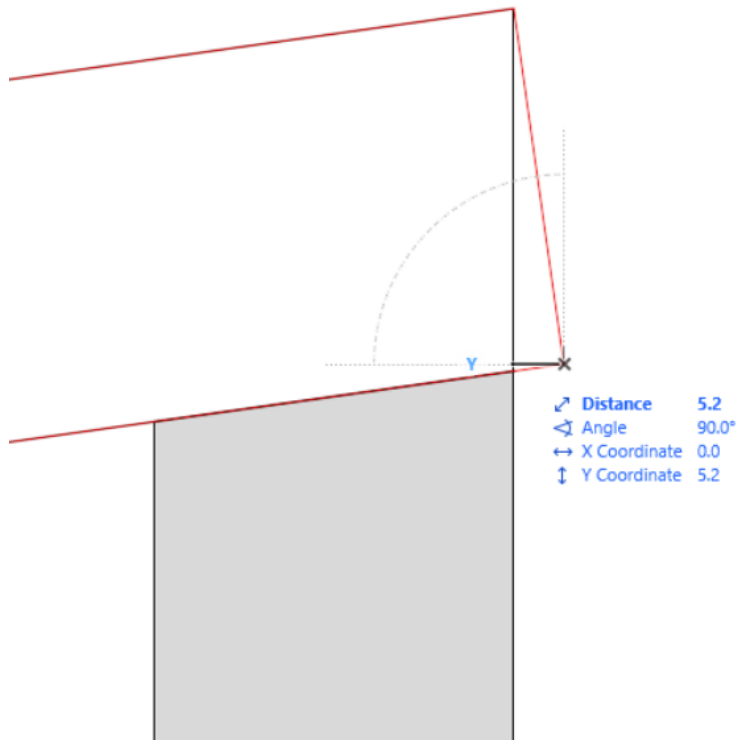
10th May 2023

- Copy & paste between elements, video and manual update coming shortly:

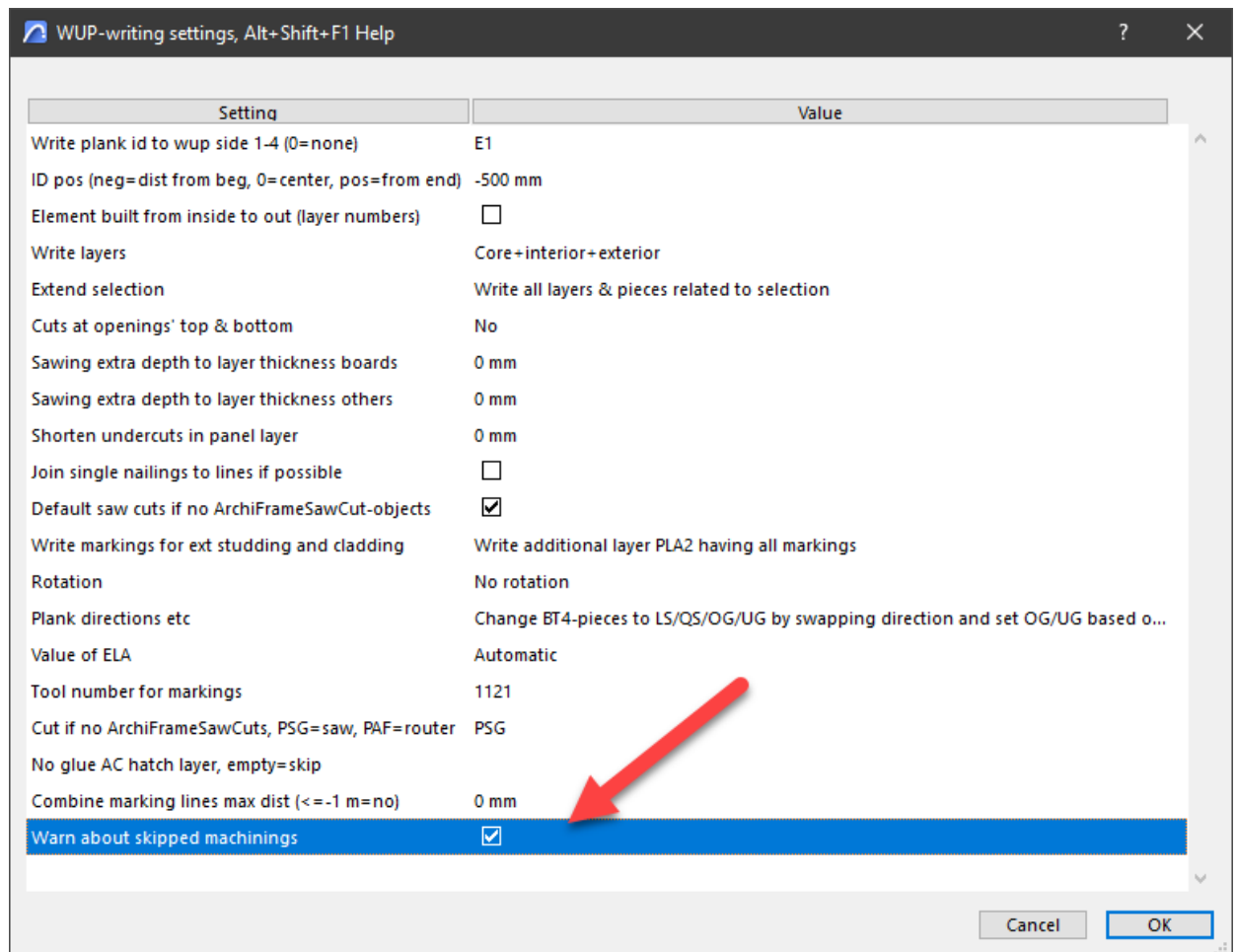


- Wup-cnc-export:

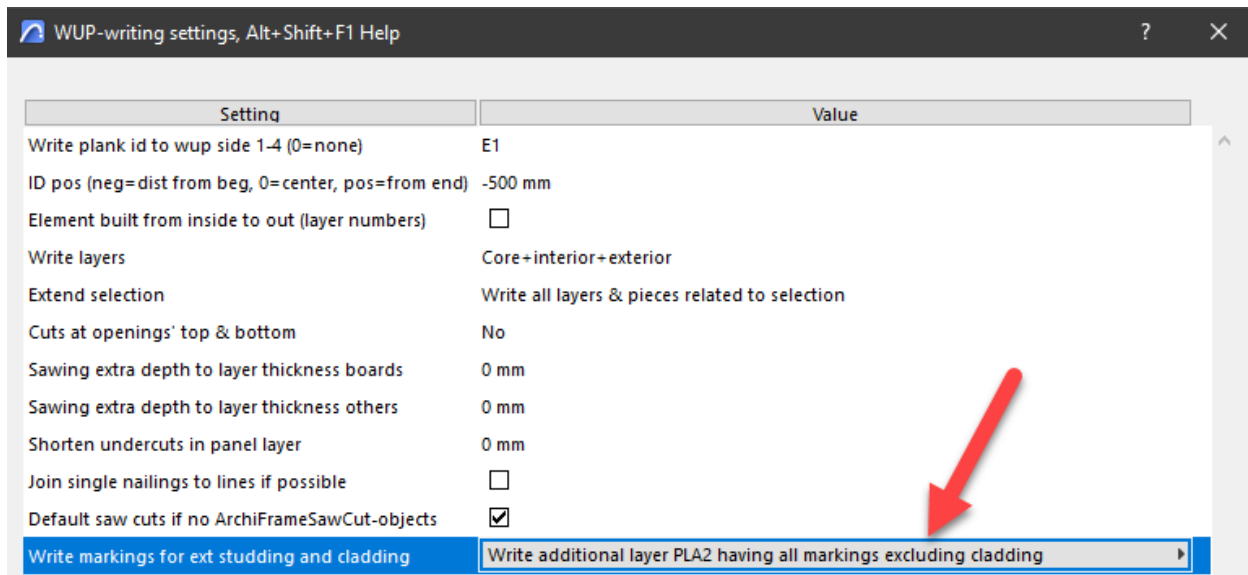
- Angled planks caused ArchiFrame to calculate too big element size, for example 5,2 mm on this side (red line is the “boxed” plank, black the real cut one):



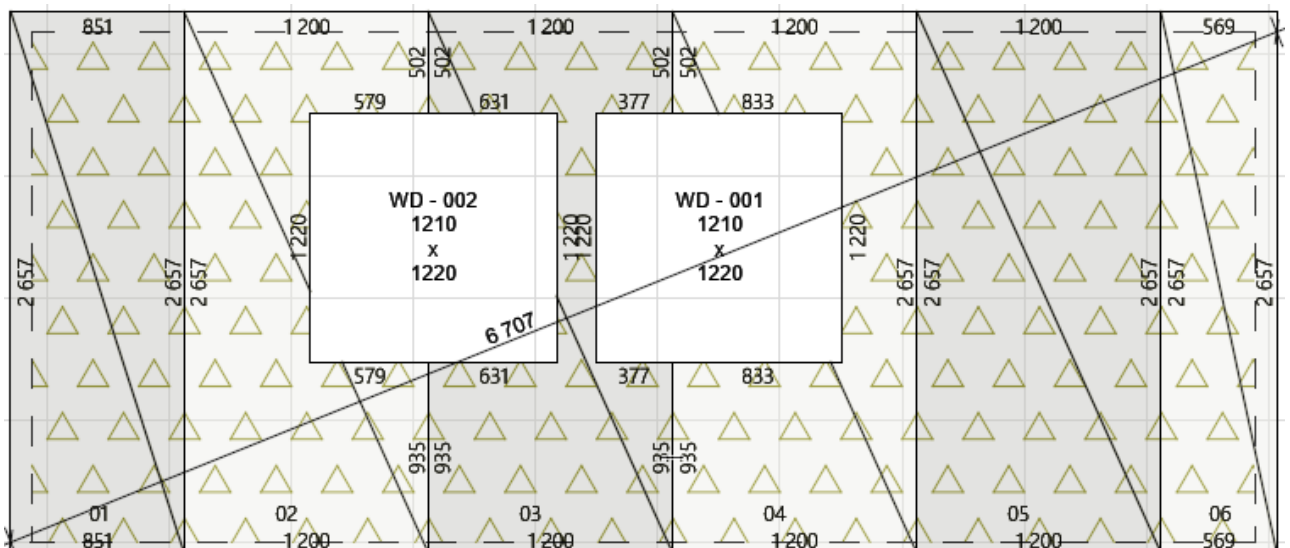
- New option to be checked (default is off) if wup-file is used to precut the pieces:



- New option to exclude cladding markings from wup:

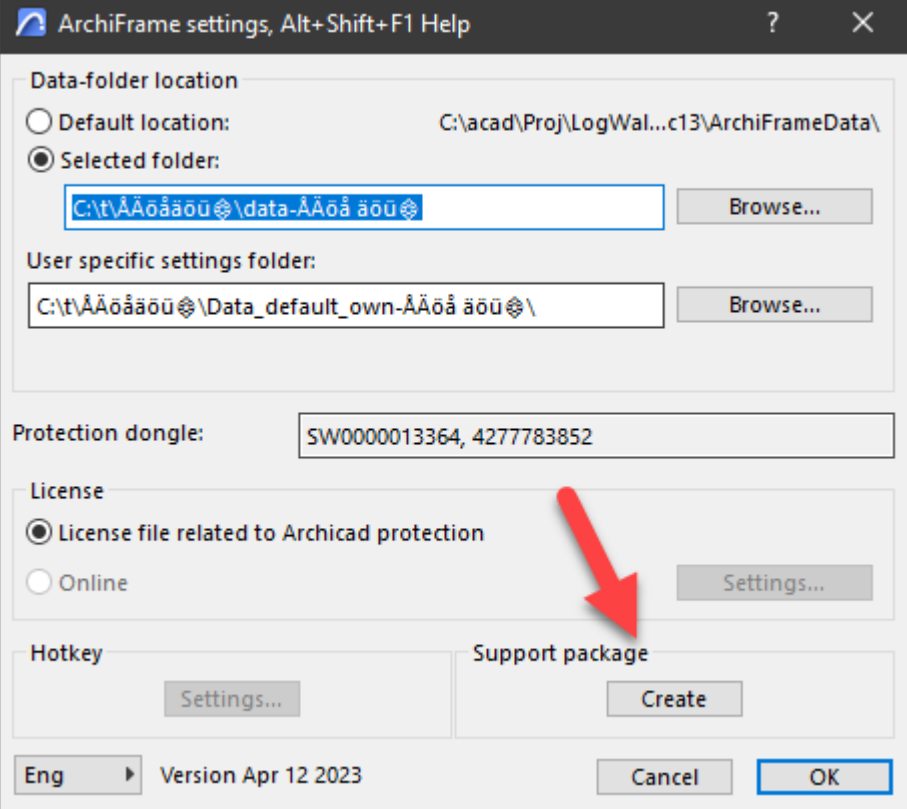


- Hundegger btn bug fixes:
 - Double angled grooves produced incorrect btn-codes in some cases.
 - Unrotated dovetail pocket with housing had always zero as DT widening angle, corrected
- Possibility to show core layer as a fill in projections in addition to lines (please search for contourlines from the online manual):



- Added support to set fill element attributes from xml - please search for cutfillbgpen from the online manual.

- Feature to pack all relevant settings into a single file for support. Can also be used to archive your project and current settings.



ArchiFrame settings, Alt+Shift+F1 Help

Data-folder location

☐ Default location: C:\acad\Proj\LogWal...c13\ArchiFrameData\

☒ Selected folder:

C:\t\AAöäöü\data-AAöä öü

Browse...

User specific settings folder:

C:\t\AAöäöü\Data_default_own-AAöä öü

Browse...

Protection dongle: SW0000013364, 4277783852

License

☒ License file related to Archicad protection

☐ Online

Settings...

Hotkey

Settings...

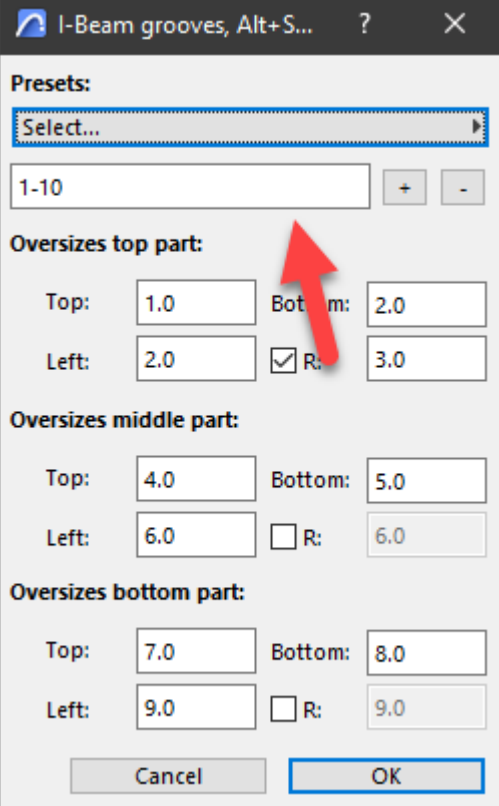
Support package

Create

Eng ▶ Version Apr 12 2023

Cancel OK

- Presets added to I Groove dialog (will be saved to user specific settings folder):



I-Beam grooves, Alt+S...

Presets:

Select...

1-10

+

-

Oversizes top part:

Top: 1.0 Bottom: 2.0

Left: 2.0 ☒ R: 3.0

Oversizes middle part:

Top: 4.0 Bottom: 5.0

Left: 6.0 ☐ R: 6.0

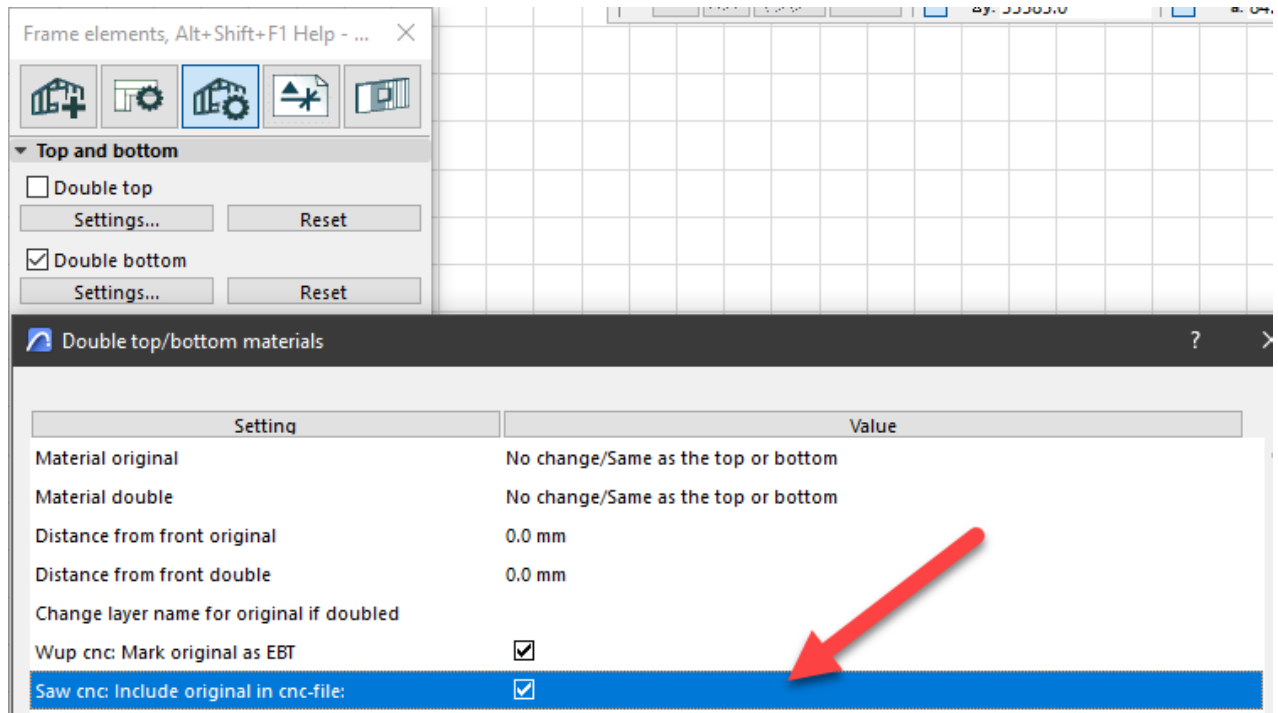
Oversizes bottom part:

Top: 7.0 Bottom: 8.0

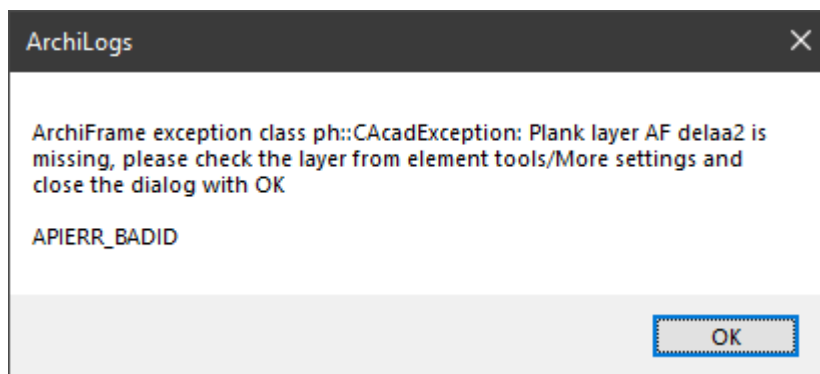
Left: 9.0 ☐ R: 9.0

Cancel OK

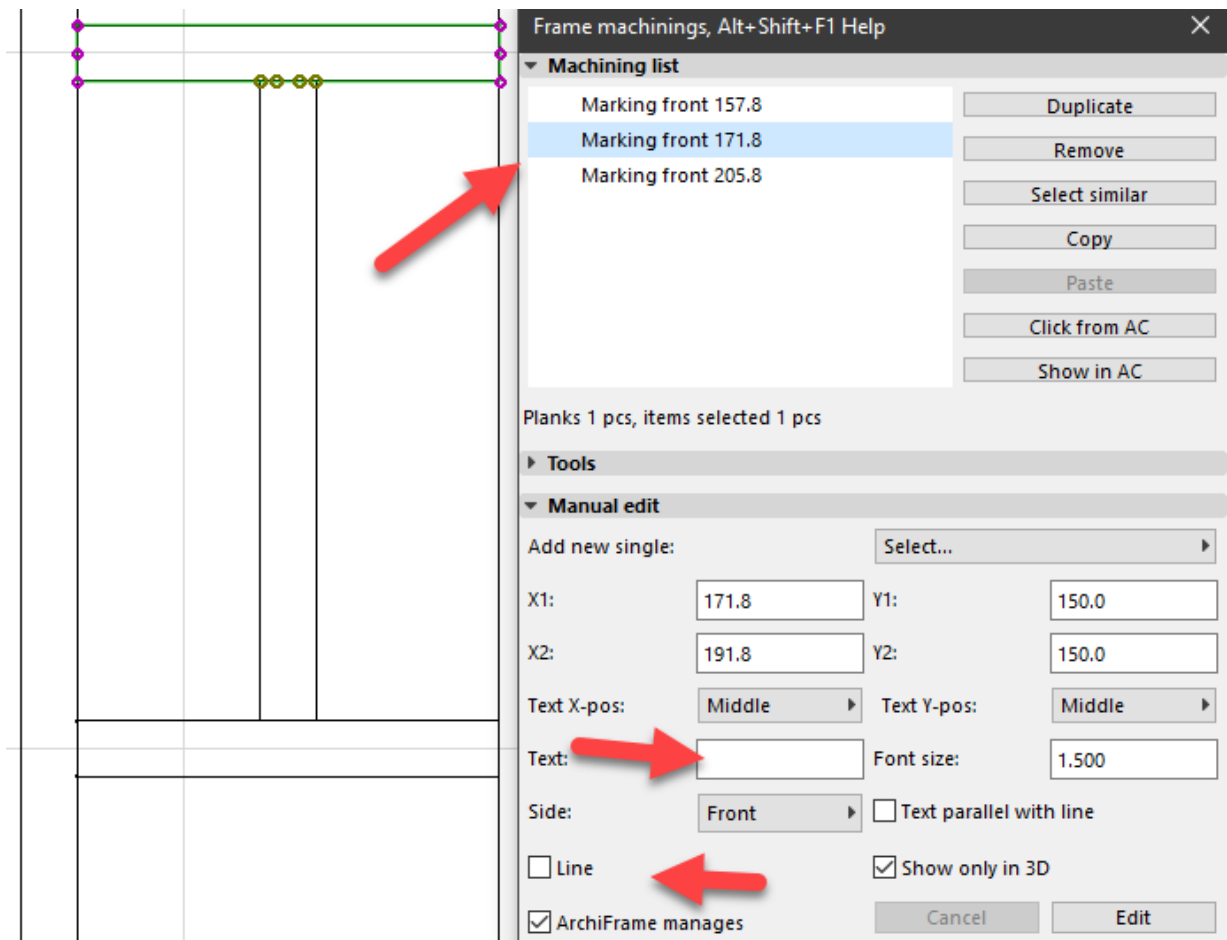
- New setting here:



- This is checked now earlier before editing the element and ArchiFrame automatically opens the related settings dialog:

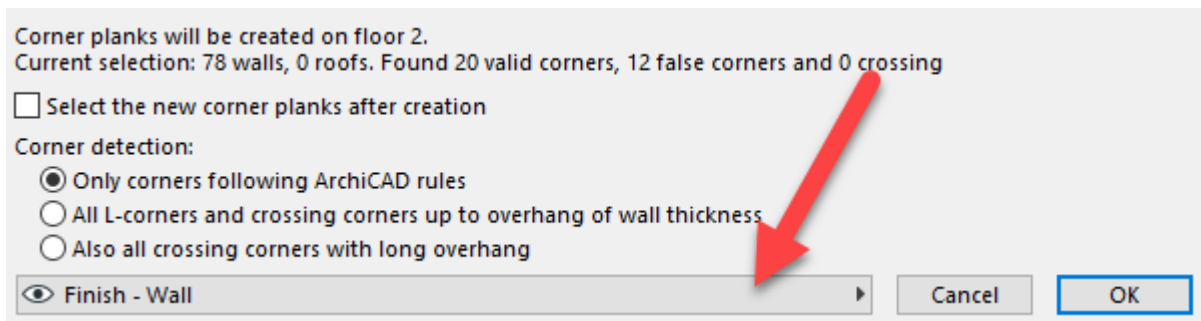


- Marking lines may have added an empty machining to the plank not producing any cnc, now this no line no text -kind of markings are automatically removed:



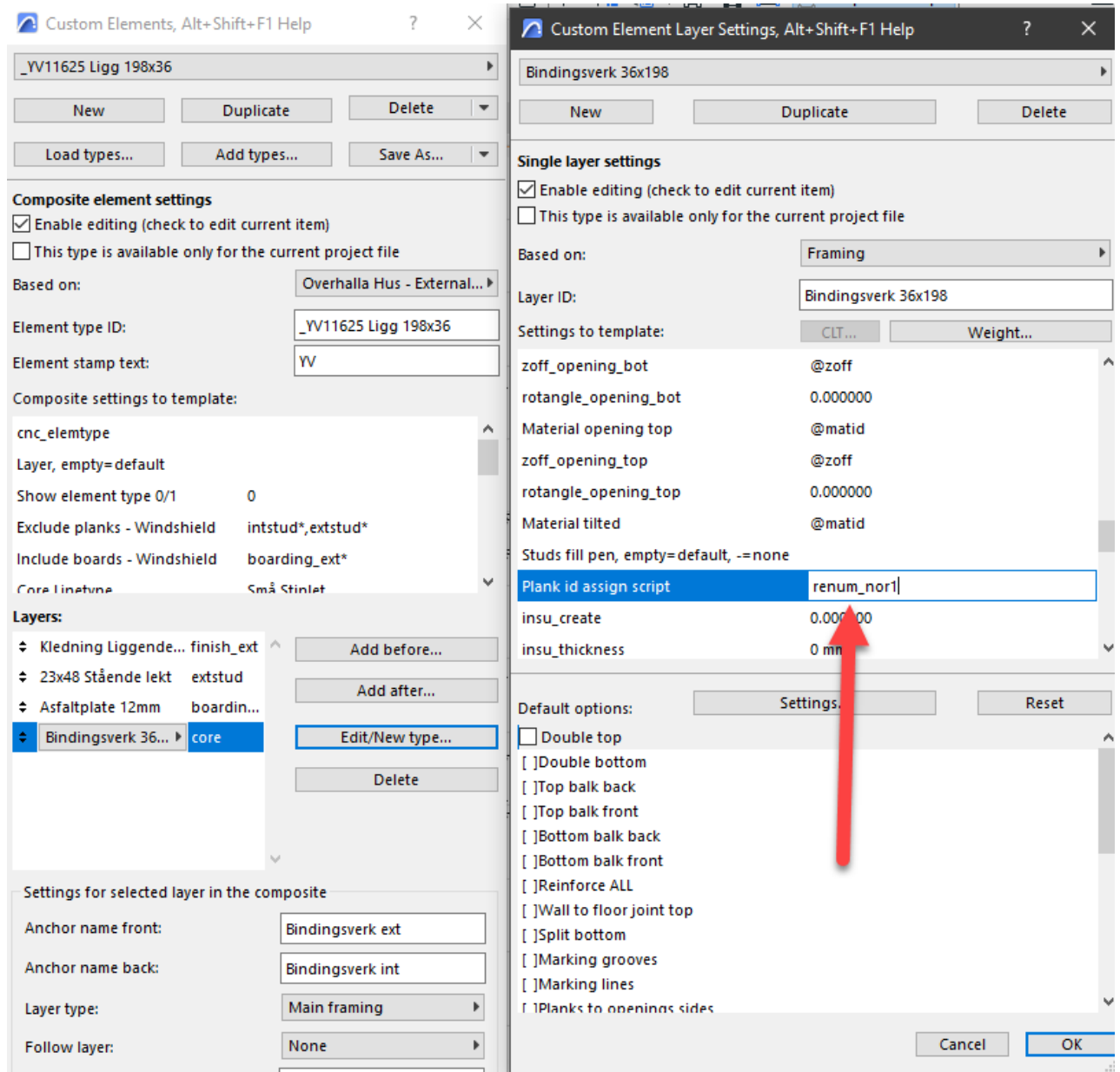
Will be removed from existing pieces if the piece is edited.

- Corner tool/ArchiCorners has now layer setting:



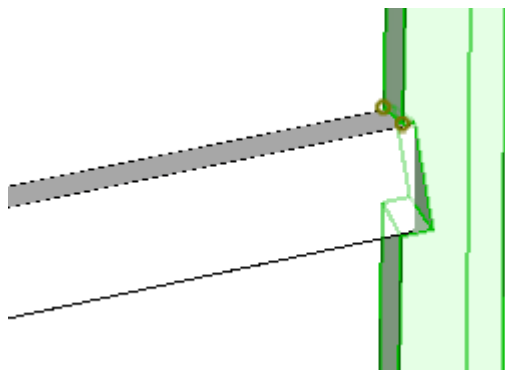
- If part of the element layer's parts were on a hidden layer, working with that element broke the grouping of the elements. Not any more.
- Norwegian standard naming for planks: To get prefixes **Stendere/Topssvill/Bunnsvill/Losholt/Drag** for plank IDs, enter value `renum_nor1` here for all main framing layers and update elements to apply the new setting

for existing elements:

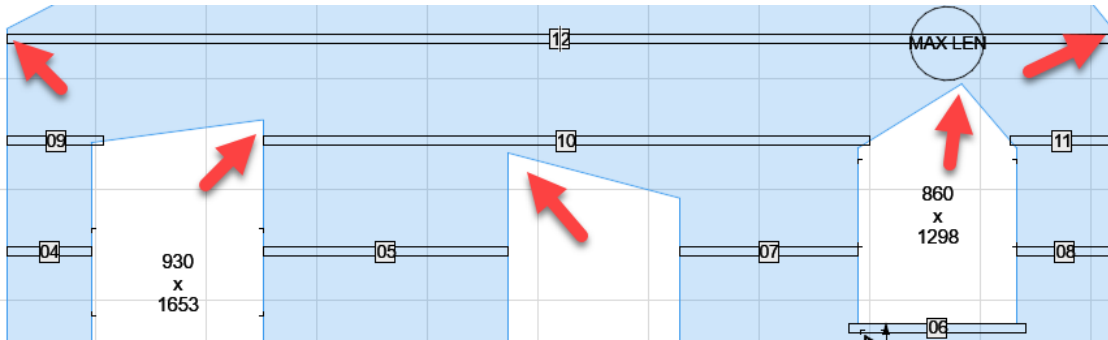


4th April 2023

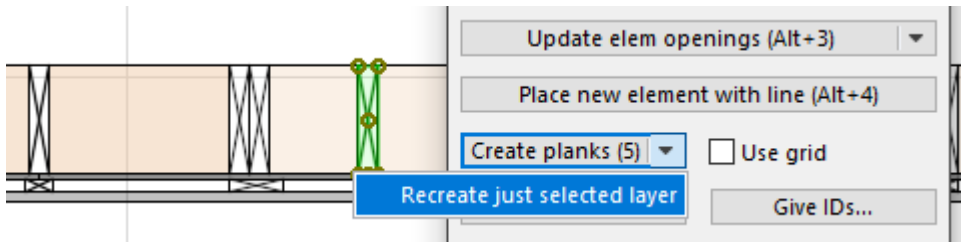
- Drilling tool is now able to use 2D parts as drilling operator. Please press Alt+Shift+F1 in the drilling tool to get help.
- The new option in marking grooves from previous beta caused bad grooves for angled opening top&bottom connected to studs, fixed:



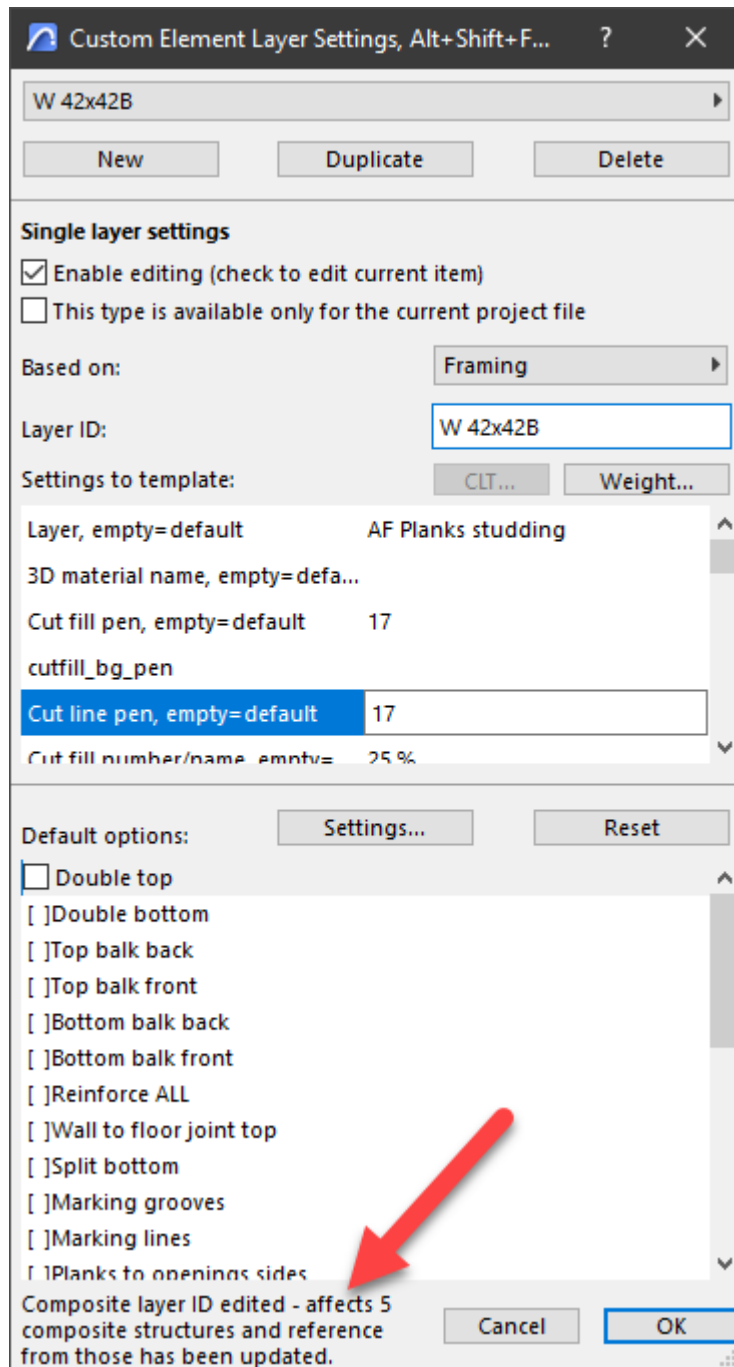
- New framing rule option to avoid getting planks to each polygon corner:



- Bug fix: Create just main framing deleted planks from other layers leaving them empty:

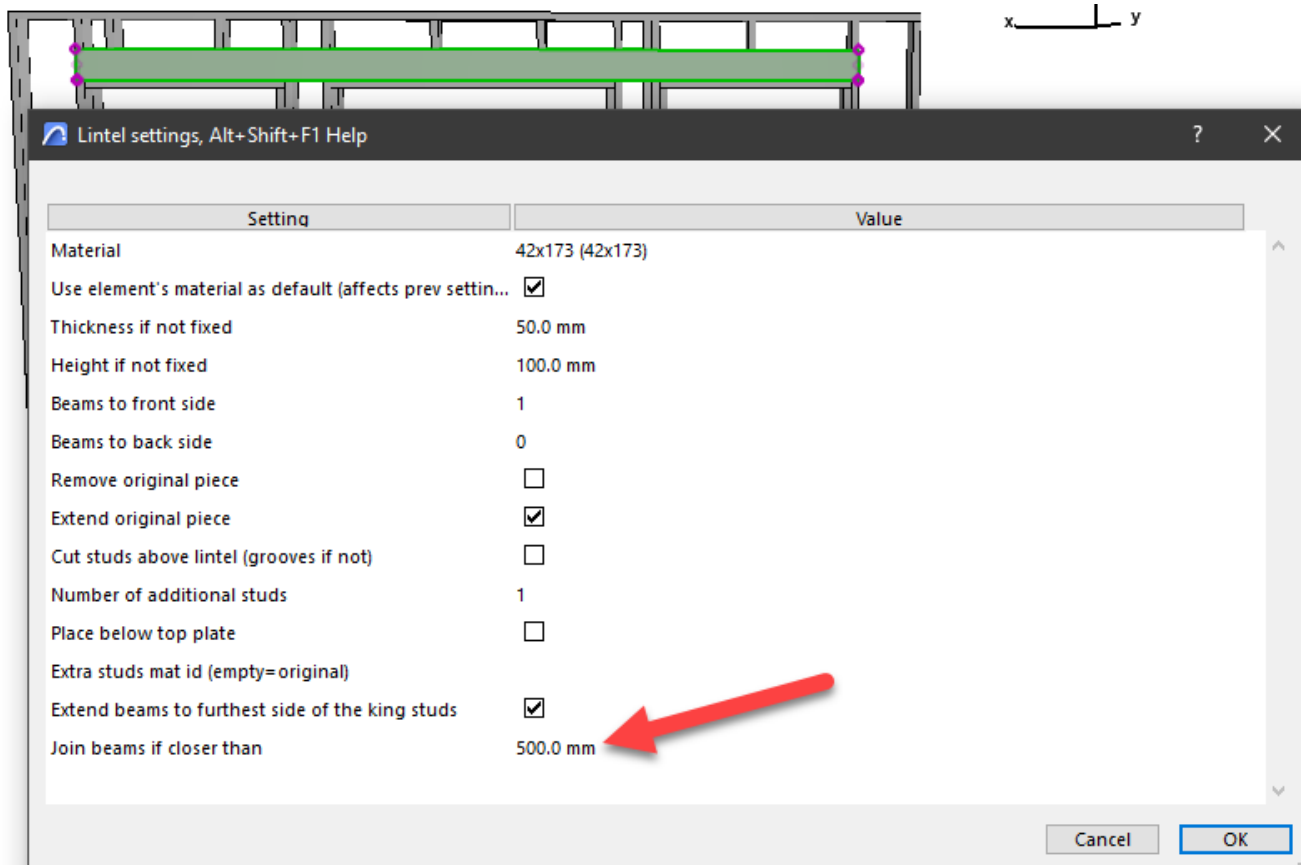


- Now it is possible to change ID of a composite layer that is referenced by many composites:

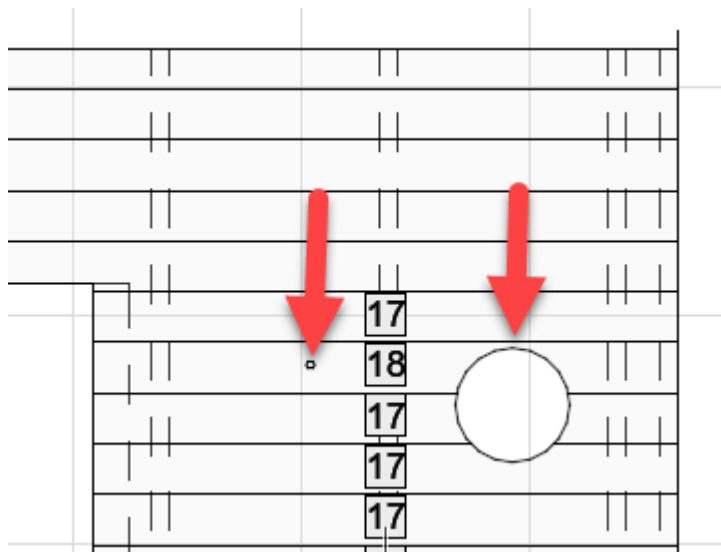


- V-cut tool now works in element drawings also

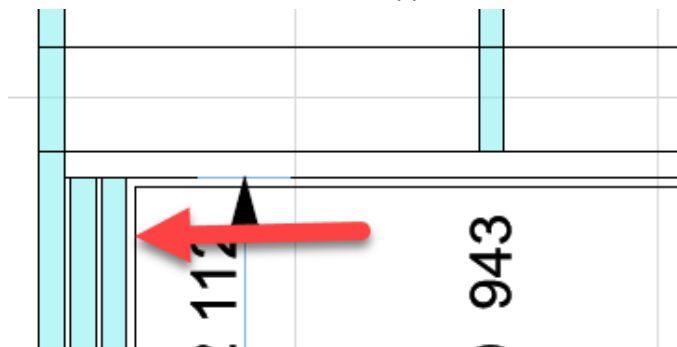
- Combine lintels automatically in Lintels custom and Lua-based script with setting joinbeamsdist:



- Bug fix: Automatic cut top & bottom settings from own element layer settings failed.
- Wup-cnc: Drillings in exploded cladding (PLx) layers are now saved correctly in element coordinates:

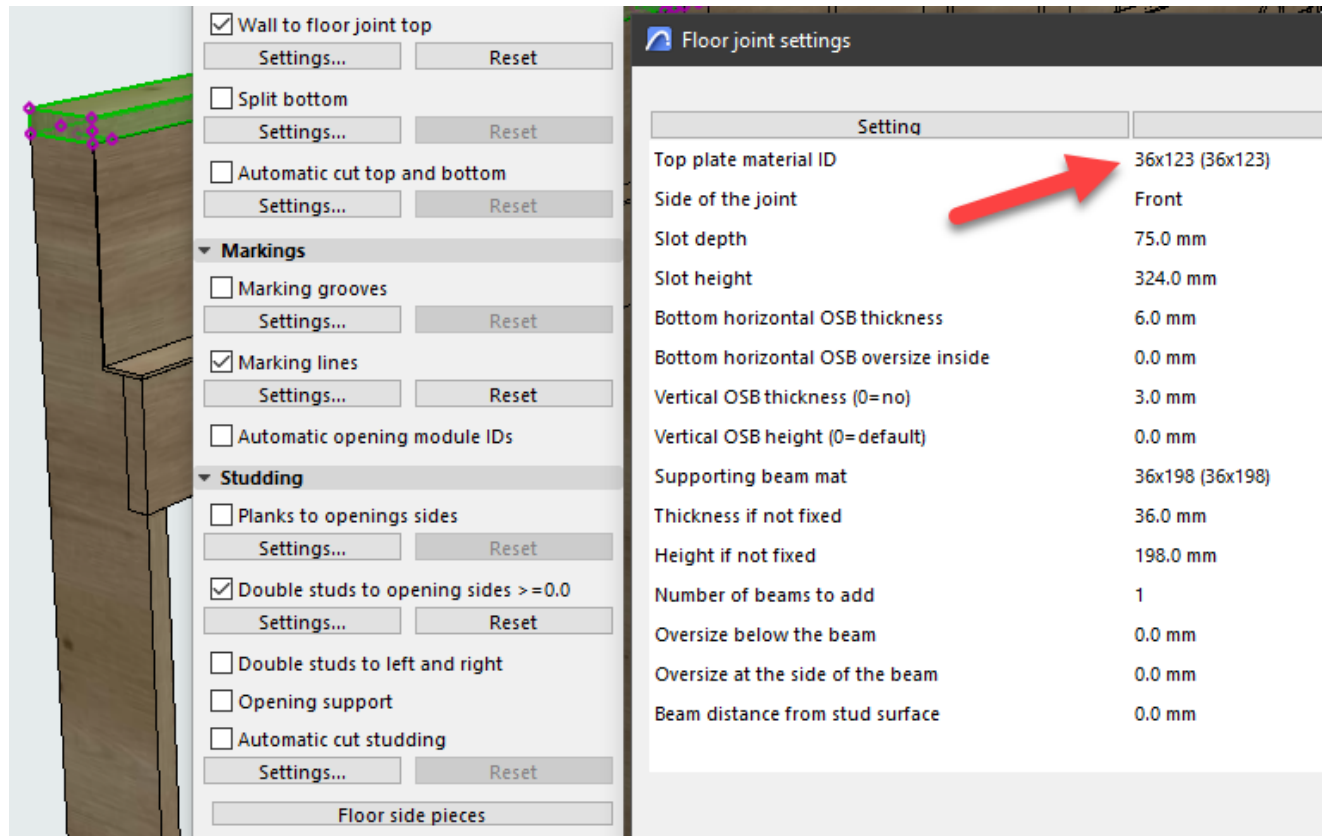


- Studs minimum distance rule is applied for lintels also:

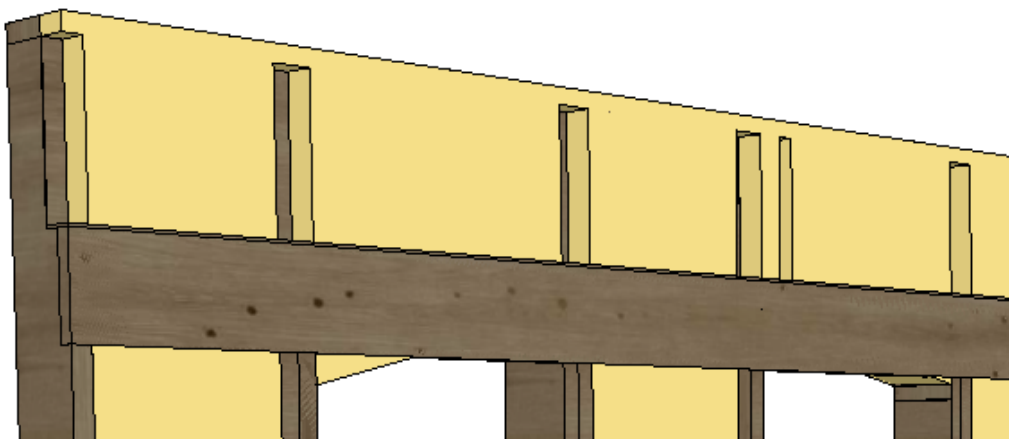


- Fixes to board edge support plank element option (still more to come in next beta)
- If groups were unsuspended, editing in 3D window might have caused layers' visibility to change.

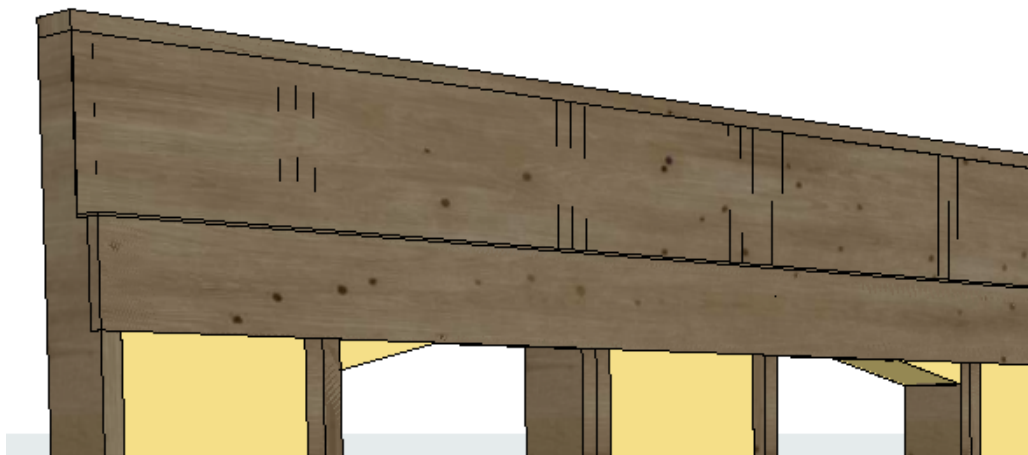
- New setting to floor joint element option:



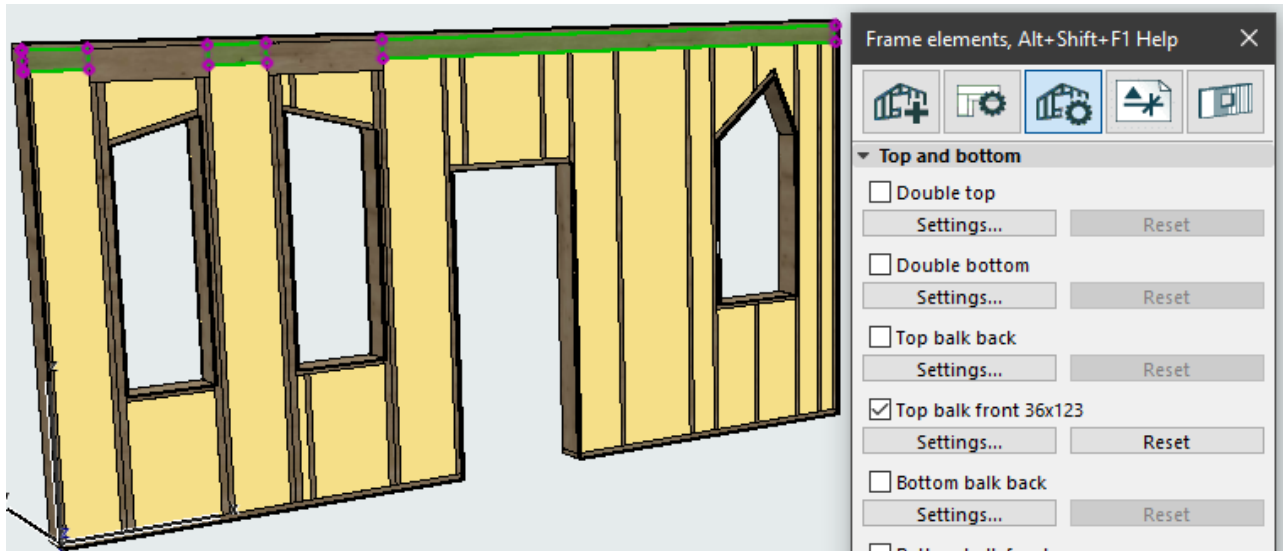
- Bug fix: Lintel and other beams cutting studs with grooves did not cut insulation, old:



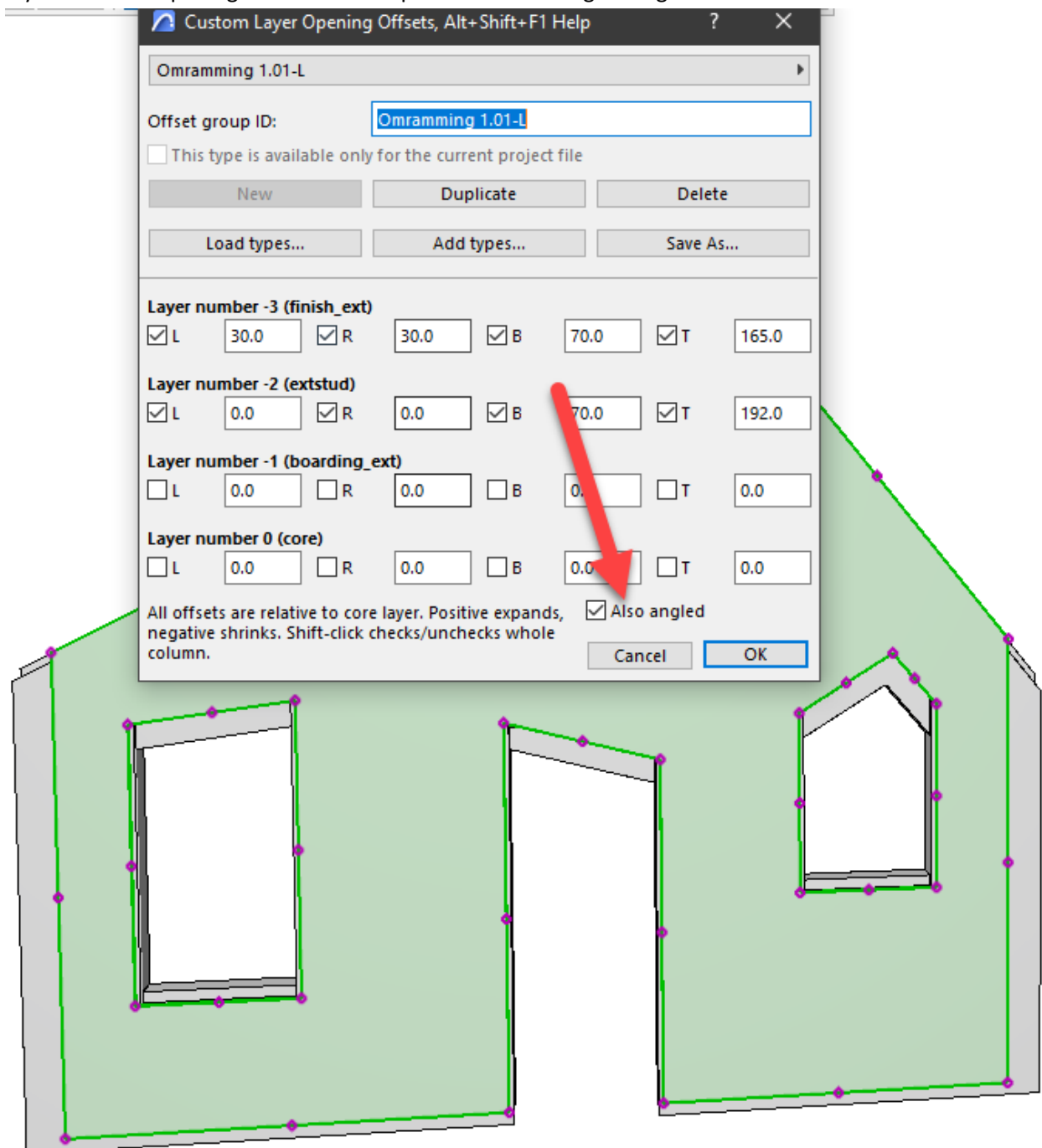
New:



- Top balk front/back and Reinforce ALL now split the new beams into lintels:

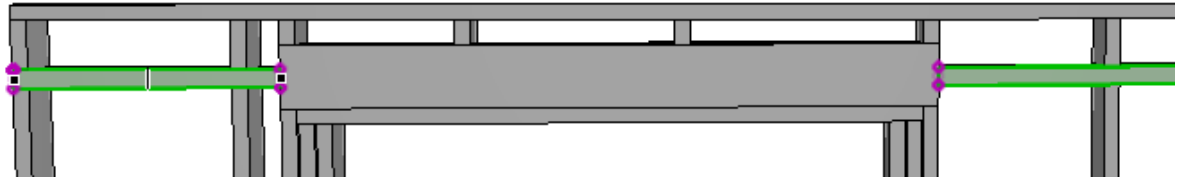


- Layer offset for openings now also has option to enable angled edges:

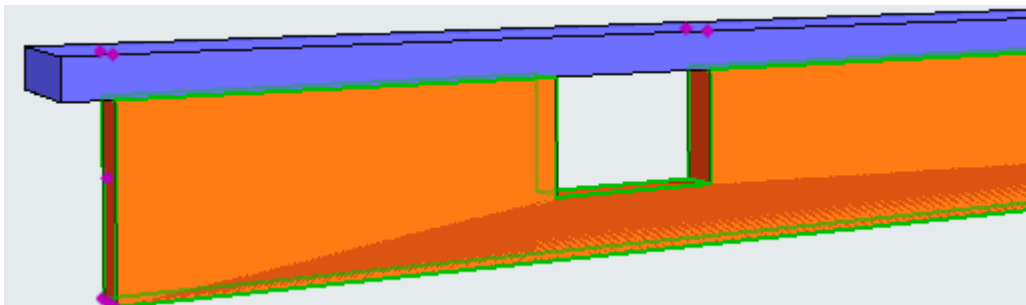


5th March 2023

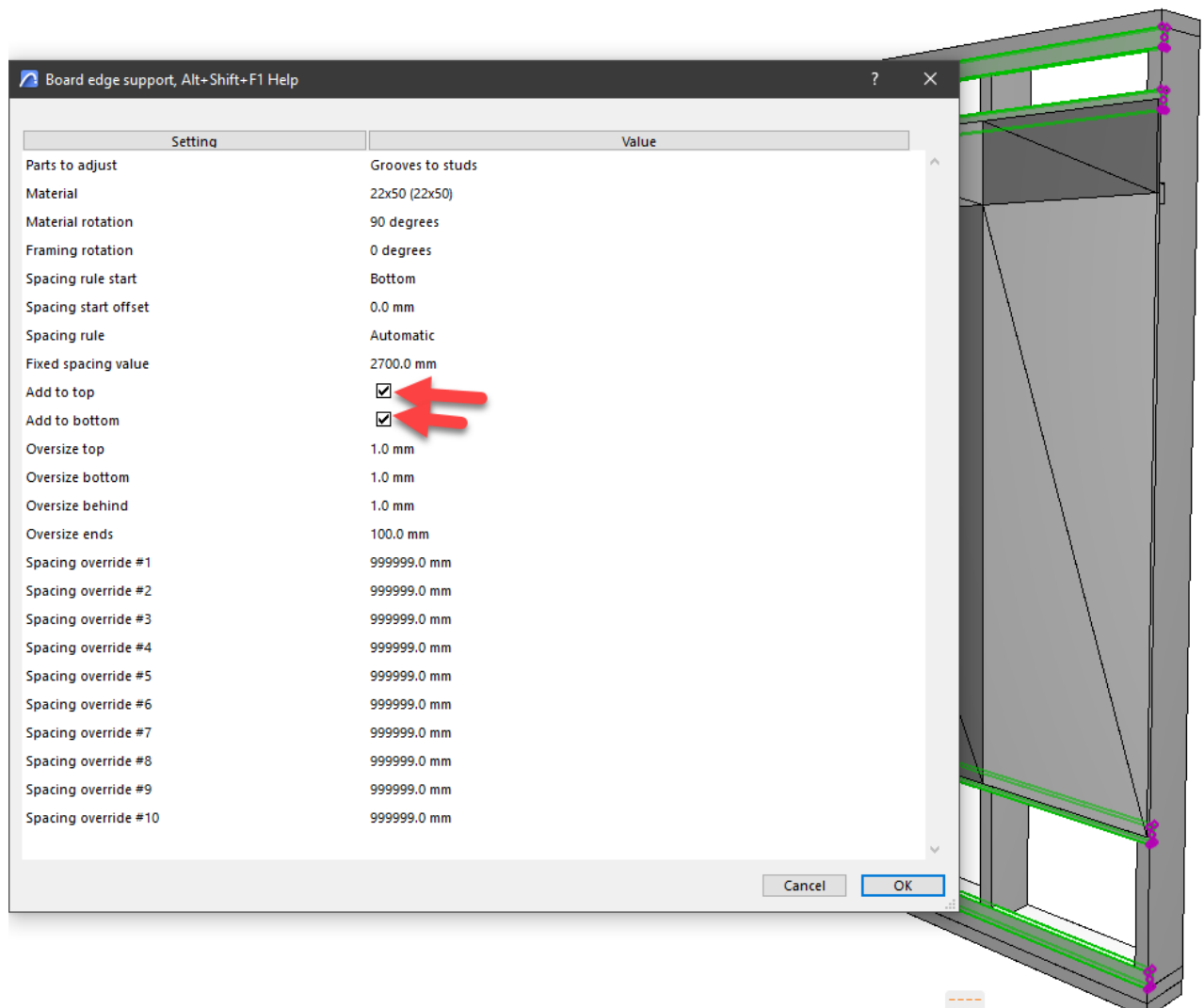
- A setting to define element elevations' max width to ArchiFrameElements(Changes).xml:
<projections maxwidth="80">
- Lintels/headers:
 - Adding lintels/headers now trims any existing intersecting parallel piece to newly added lintel:



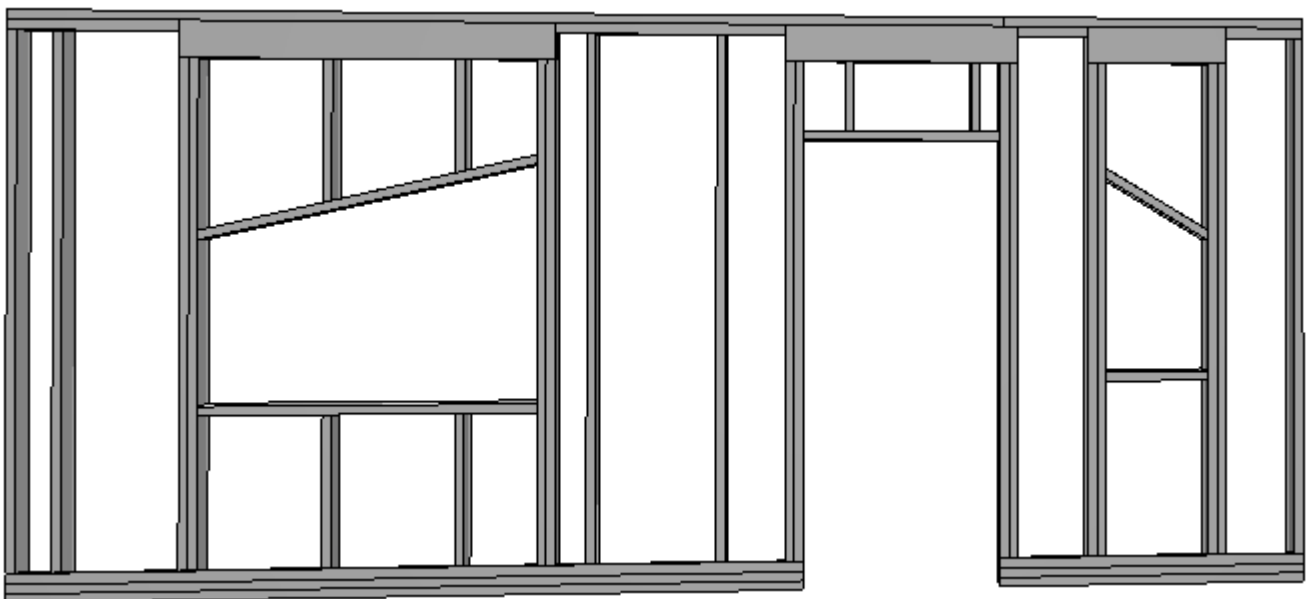
- If there is an existing stud preventing adding new lintel studs, now the old ones are removed and new ones added. Earlier adding studs was terminated to the first collision.
- If a groove that contained another groove in the target surface was added, it may have removed deeper existing groove in situation like here (blue is the new cutting operator):



- Board support pieces have new option and it adds a support piece if boarding ends into middle of the framing layer:

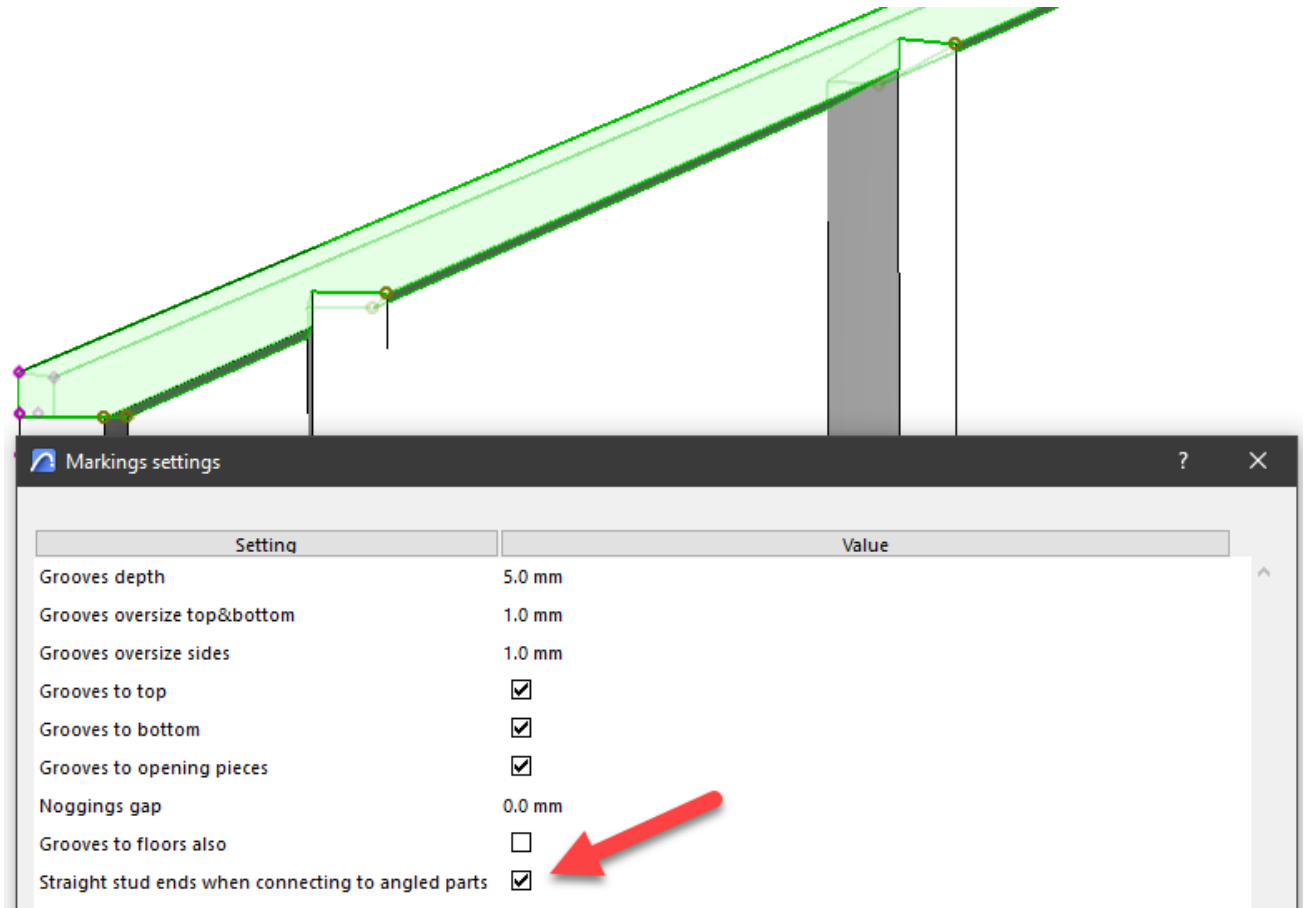


- Lintels custom now handles angels tops (only placing lintels below top plate):

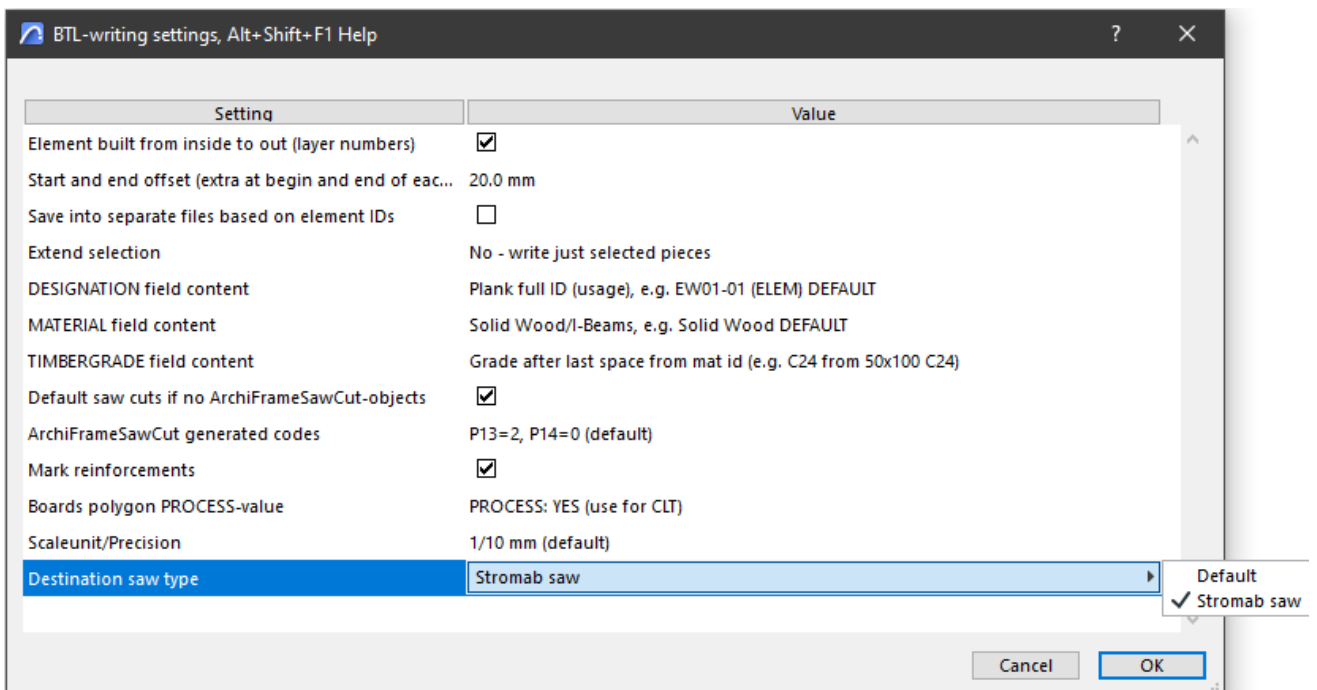


- Own element IDs can now be up to 255 chars long instead of the old 31 chars.

- New option in marking grooves:

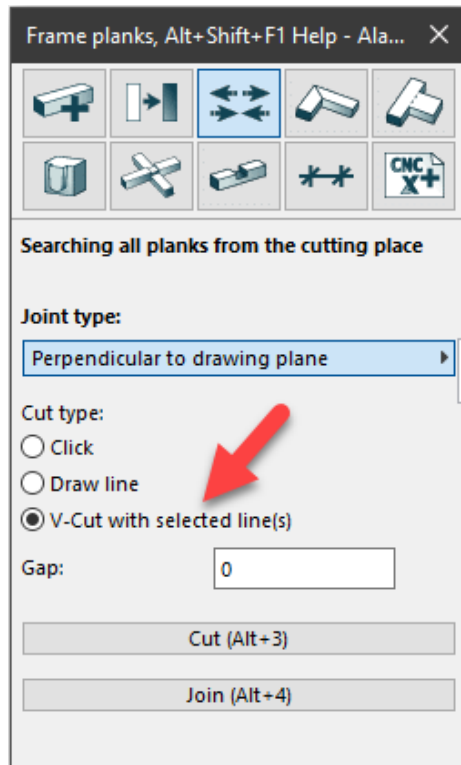


- BTL-export has a setting to support Stromab btl-import:

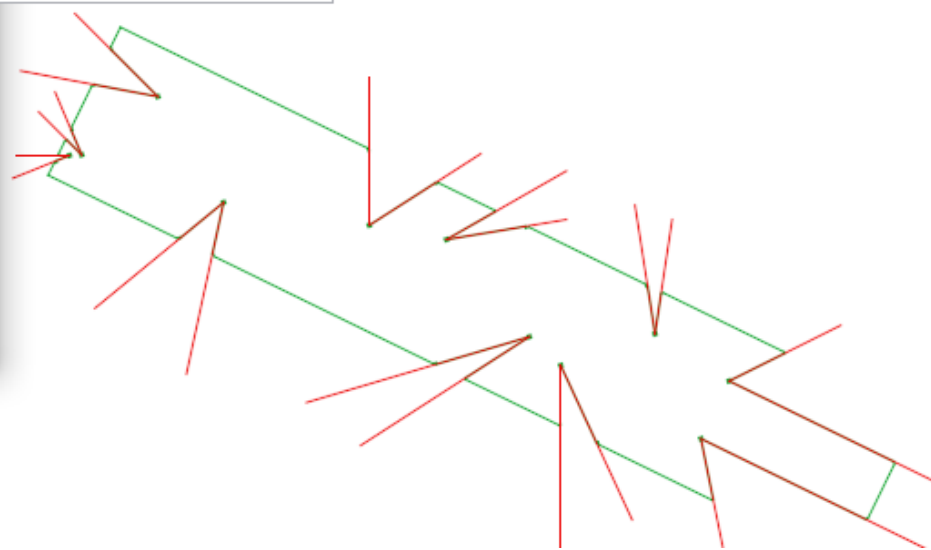


15th Feb 2023

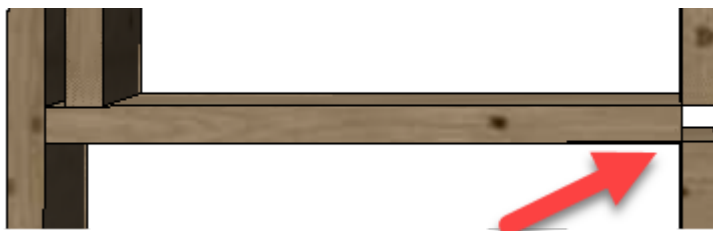
- New option in plank cutting tool palette:



Perpendicular cut
✓ Perpendicular to drawing plane



- Reserve for Teamwork now also reserves dim drawings' frame even if there are multiple planks inside the frame.
- Place new element with line without source walls did not apply layer offsets - now applies.
- In some rare cases AF cut a stud to a horizontal piece like this due to rounding errors:



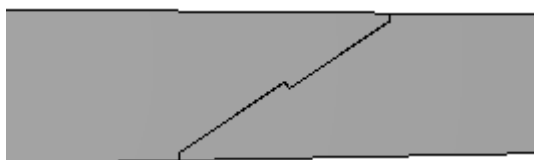
- CNC: SalvadorAsc-writer warnings for unsupported machinings.

1st Feb 2023

- Add saw cuts got broken in beta 28th Jan – fixed now
- Removed AC21-version

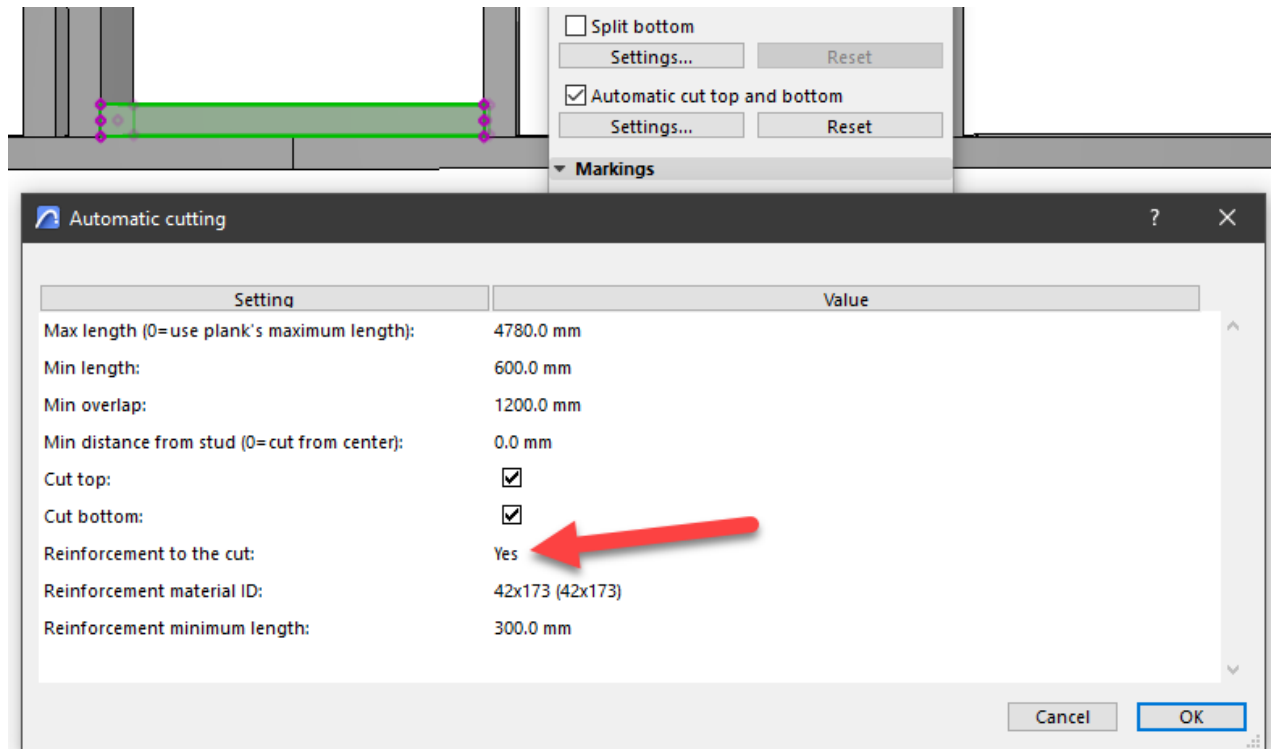
30th Jan 2023

- Scarf joint was not visualized correctly due to missing library update. Now shows ok:



28th Jan 2023

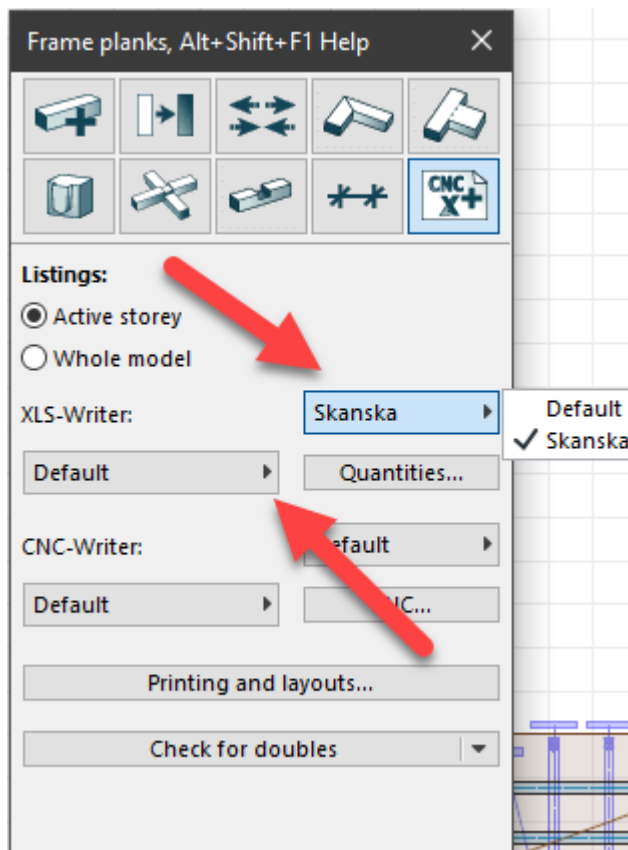
- Automatic cut top & bottom got a new option:



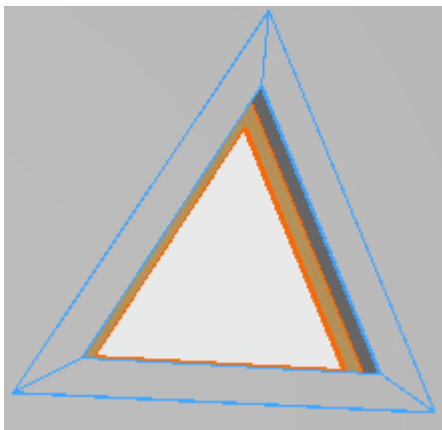
25th Jan 2023

- CNC-output: Support for Italian Salvador cnc-machine
- Truss tool: Now fill can be picked from rotated floor plan.
- XLSX-listings improvements:
 - Possibility to have the base listing AND user specific listings as separate files

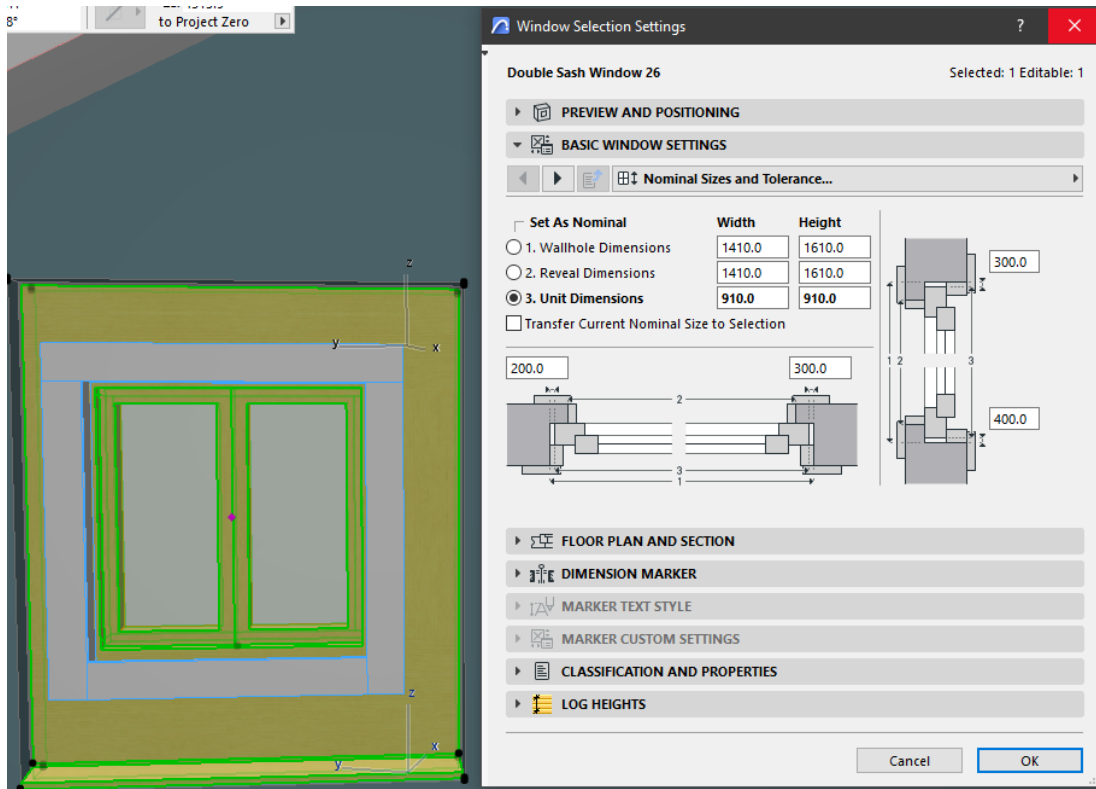
- Changes to UI, the producing script can be selected and the listings in selected writer moved to the same line as Quantities-button:



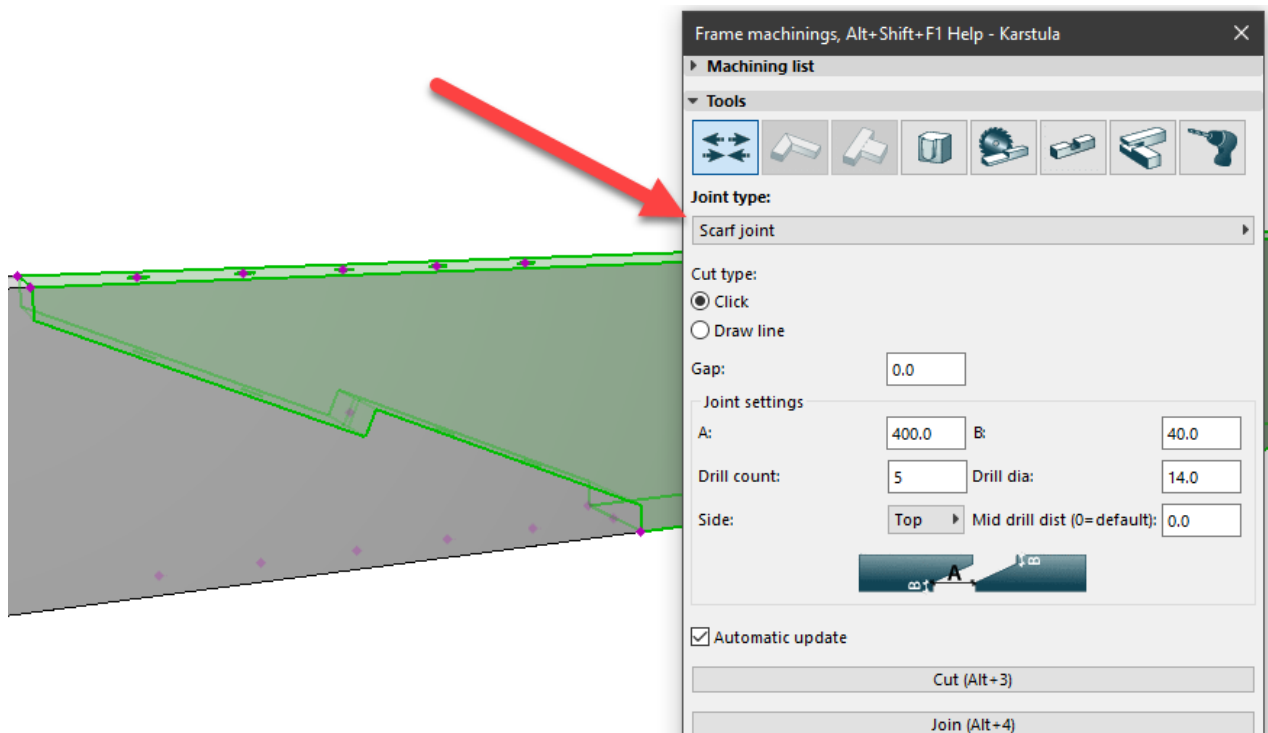
- Weather boards:
 - Added support for AC26 versions of some special shape windows:



- Handles Reveal dimension type with tolerances well:

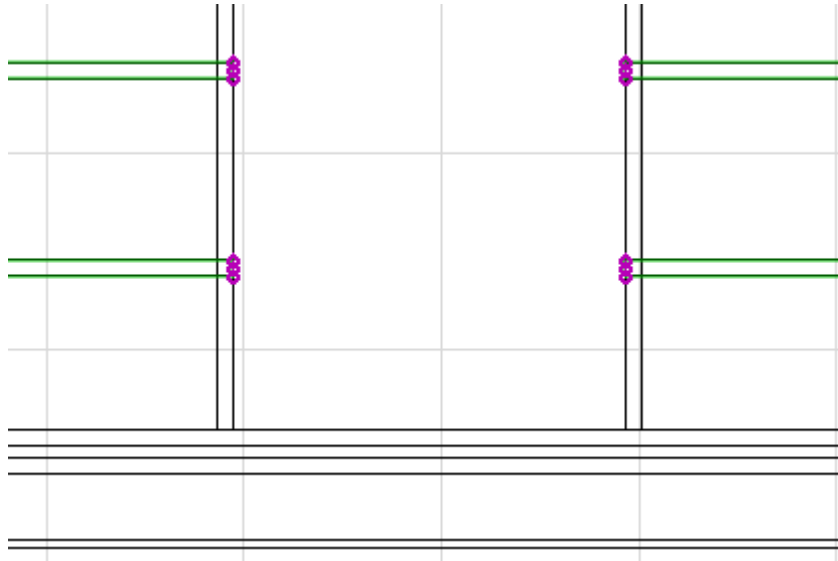


- In xml, type can have attribute `oversize="1"` to make the weatherboards extend to the full opening size including tolerances and oversizes. Earlier weatherboards were anchored to frame edges only.
- New beam cut type *Scarf joint* added:



- Bug fix: Board polygon vertex IDs may have got corrupted when editing the shape with *To Fill* and *Pick from Fill*. The edge machinings are anchored with these IDs and for bad ones they may change with message *WARNING: Board ID=xx vertex IDs were fixed/changed, please check the edge machinings*.
- Bug fixes for corners that came in beta 25th Nov:
 - Setting built in corner types stopped working.
 - Now corner palette correctly shows the corner type for related layer even if there is a plank/board selected.

- Lua-script request plankinfo/quantities kgpermeter now gives the same value that ArchiFrame uses in its internal weight calculation. Enables listing Lua-scripts to produce correct weights.
- Floor/roof horizontal based on layer type had a bug for pieces ending to an opening in the floor:



- New option to own element types/framing layers: rotframing – please see help Alt+Shift+F1 having the row active.

4th Jan 2023

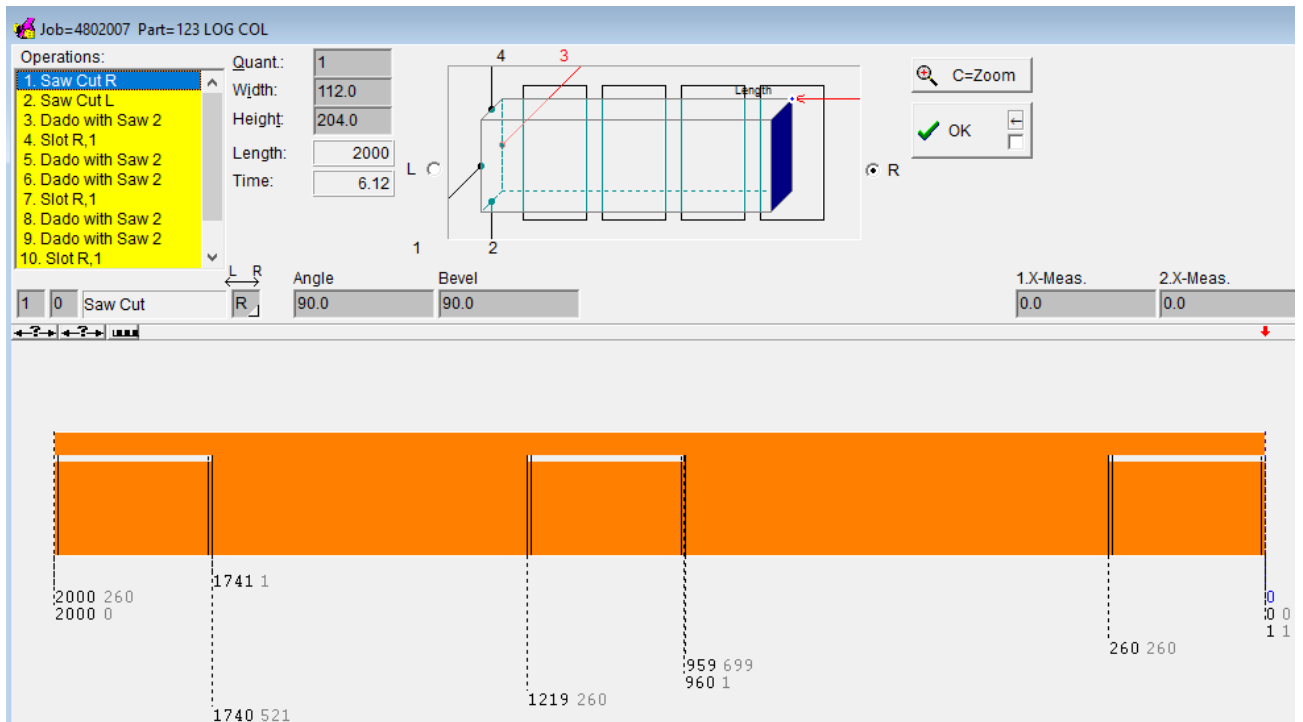
- Help in own element dialogs was missing if the setting list was not focused (bug in ver 25th Nov)

- Truss tool has now settings to dimension drawing's destination storey and layer, reorganized UI:

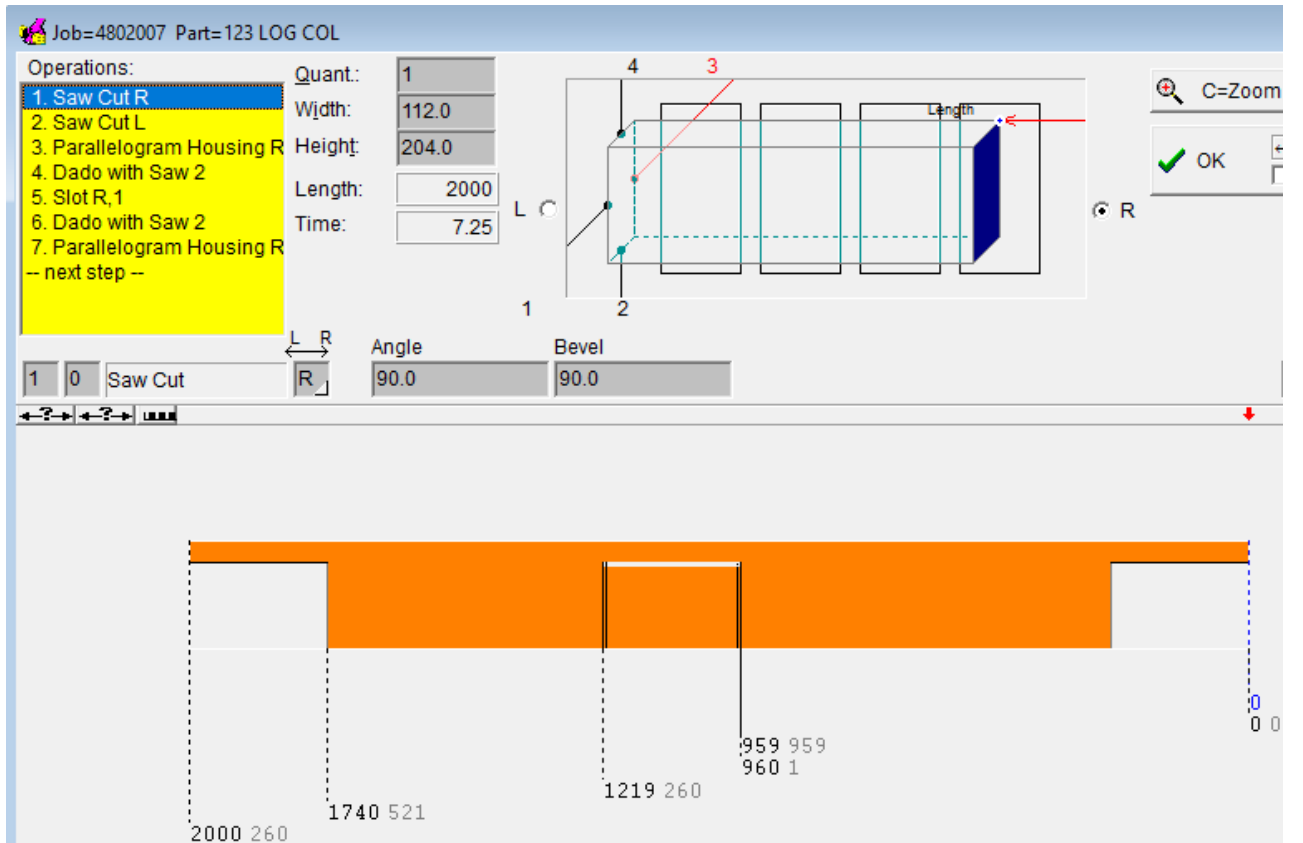
The screenshot shows the 'Frame trusses' dialog box with the following settings:

- Work with fills:**
 - To fill: []
 - Pick from fill/truss: []
- Work with placement lines:** []
- Dimension drawings:**
 - Storey for new drawings:
 - ☐ Place drawings on current storey
 - ☒ Place drawings on:
 - 0 Hav
 - Style for the drawings:
 - Default style
 - Layer:
 - Archicad Layer
 - Create truss drawing: []
- Settings:**
 - 0.0
 - 0.0
 - Level relative to:
 - Active floor (1000.0)
 - Archicad Layer
 - Thickness: 42.0
 - Floor plan:
 - Contour line: []
 - Prikk & stiplet (1:100)
 - Middle line: []
 - Prikk & stiplet (1:100)
 - 3D View:
 - Polygon: Solid
 - Maling - 01 Matt
 - Operations for trusses:
 - Add (Alt+3)
 - Give IDs... (Alt+4)

- Hundegger bvn-output:
Grooves/slots at the end of the planks were made with two dados (saw blade) and one lengthwise slot (chainsaw) if the groove exceeded the cutter's max depth 159 mm:

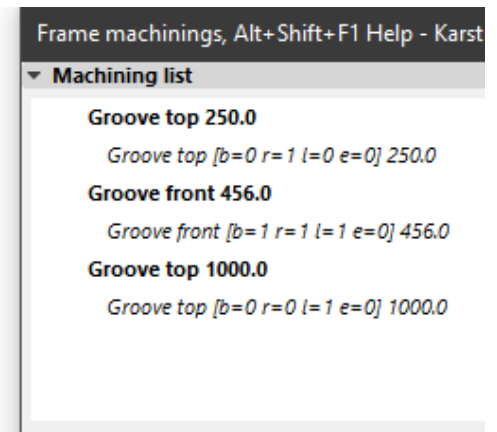


Now this rule is applied only to grooves in the middle:

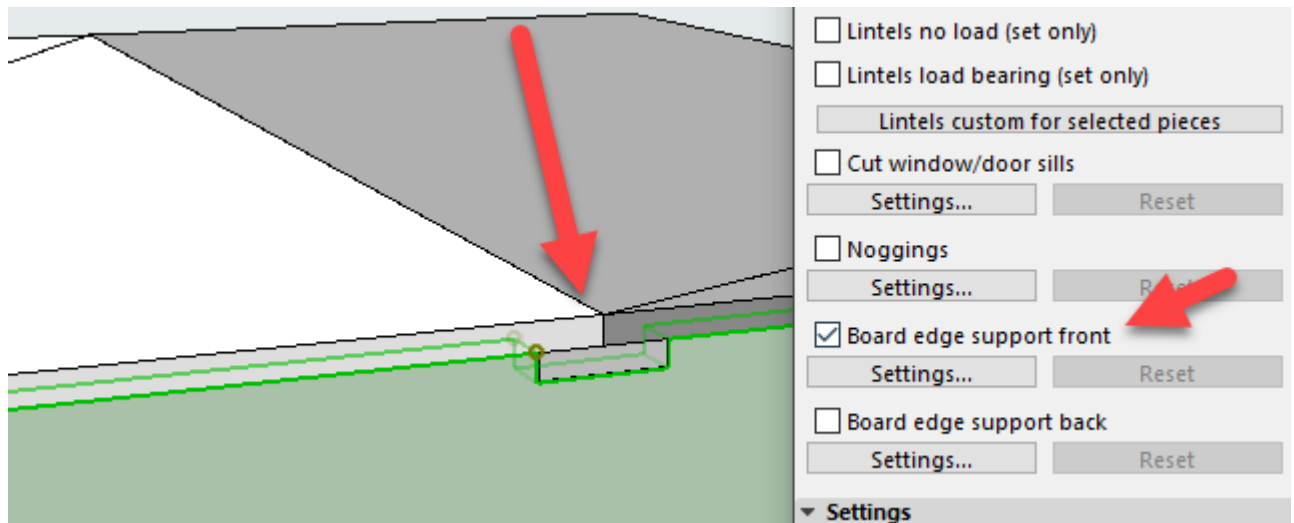


- Grooves at the begin and end of the plank: If target surface is automatic, ArchiFrame now skips the max depth of the groove when deciding the best target surface. Now it produces better results for deep grooves at the begin and end of the plank without roundings. To get the middle one also to top, please set *Target*

surface to Top in this case:



- Board edge support option in element options, please see [help](#) (disappearing with *Update* in the first beta version fixed):

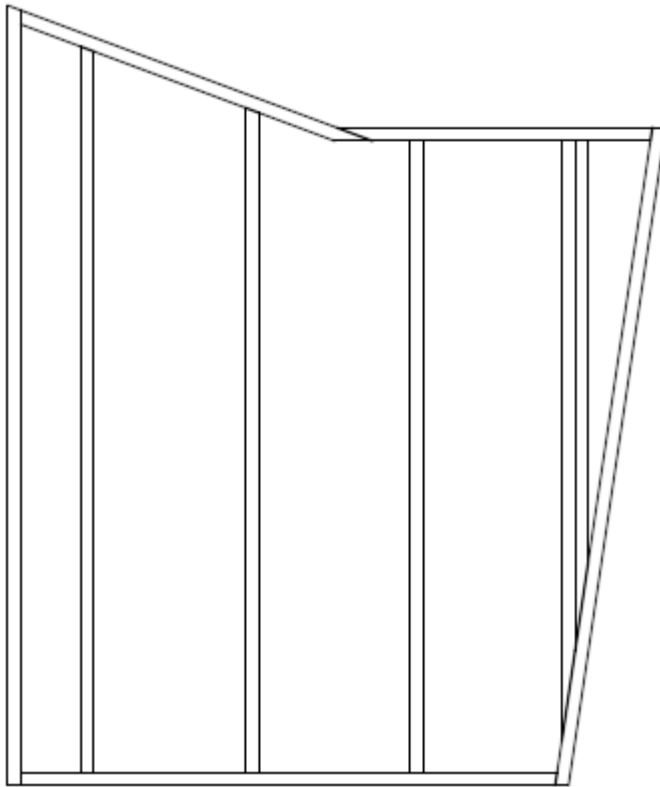


- Fascia fixes

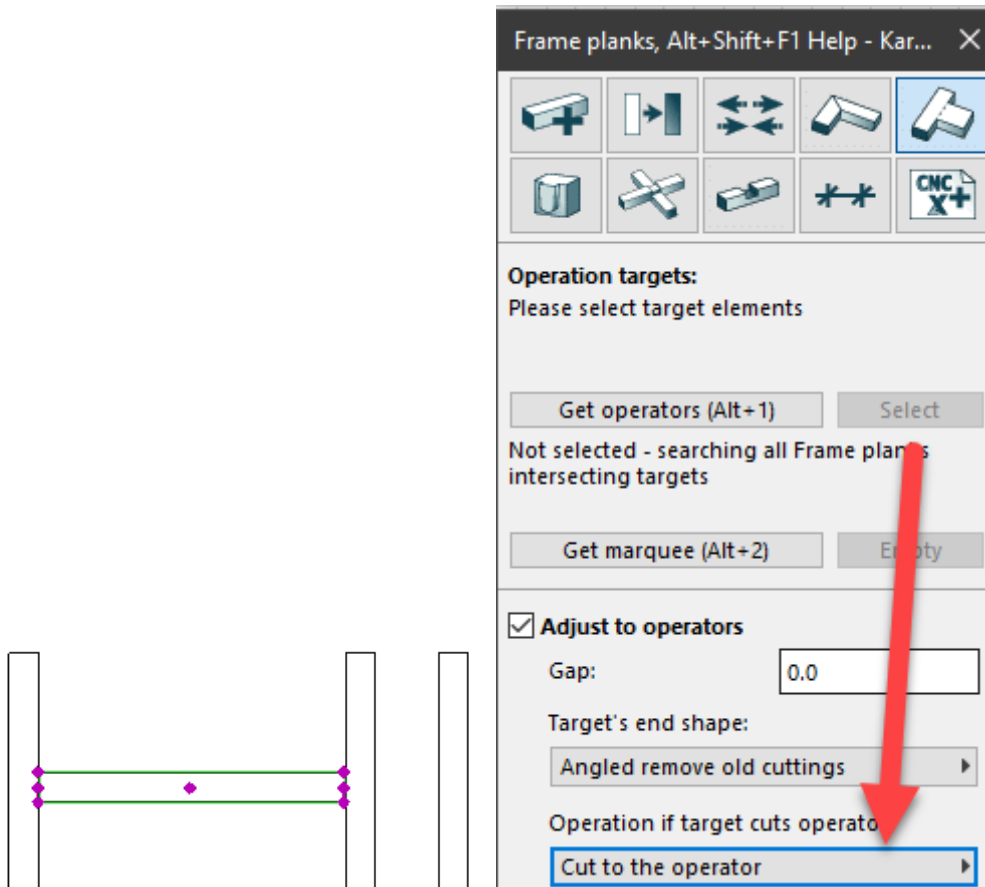
25th Nov 2022

- Speed optimizations in various places with big selection. An example is the element tool palette that has half of the delay with 2000 elements in selection now compared to earlier one. With bigger selection the difference is bigger.

- Fixed bugs in framing angled floor contours:



- Markings for tilted pieces improved
- Marking opening pieces caused markings for far away pieces – fixed.
- New cut mode: *Cut keeping just the longer part* to always select the longer part of the piece and stop processing when end is cut away:

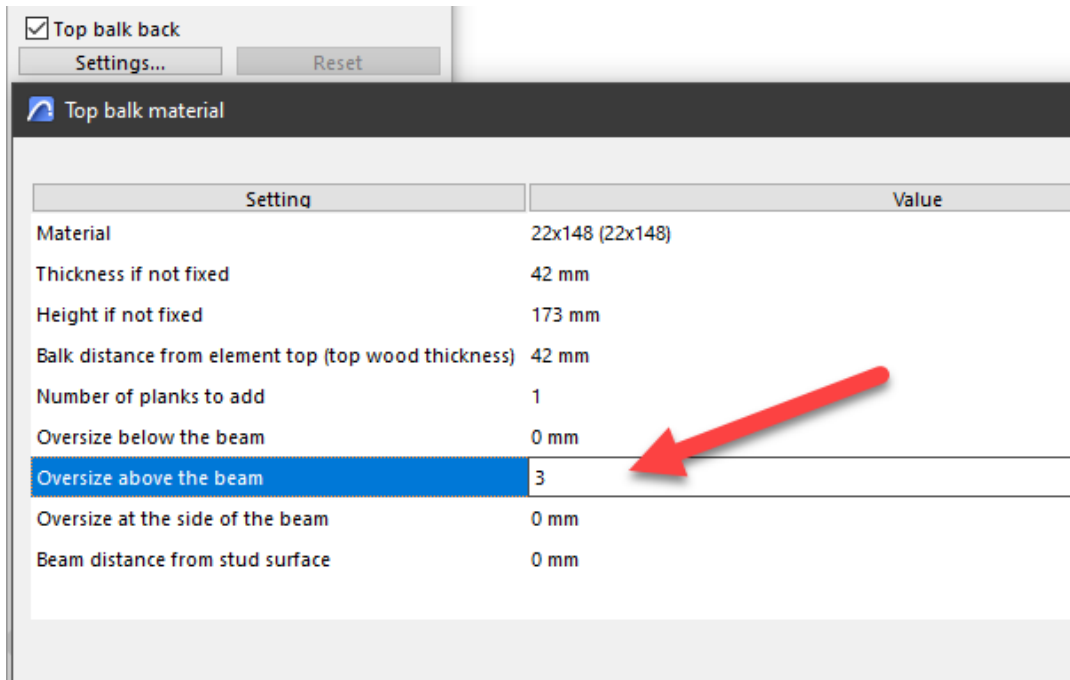


- Marking openings: Now discards windows that are not in the bounding box of the current ArchiFrameElement-object.

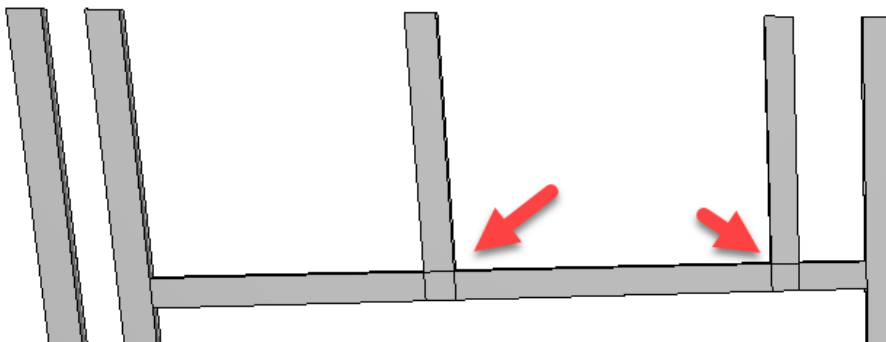
- Bvx-saving now accepts special characters again in destination name. Please note that in Windows the supported character set is limited to current code page. For example, characters ÜÄÖ are supported but Korean characters not.
- Own element type dialogs now show better context sensitive help when pressing Alt+Shift+F1.

4th Nov 2022

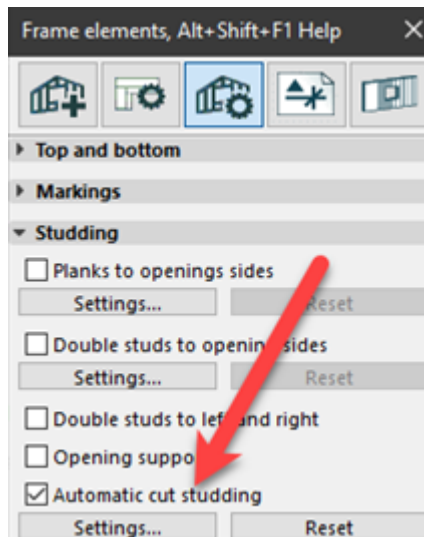
- New option here to set oversize to above (does not affect for the beam in original place but for copied ones can be set smaller):



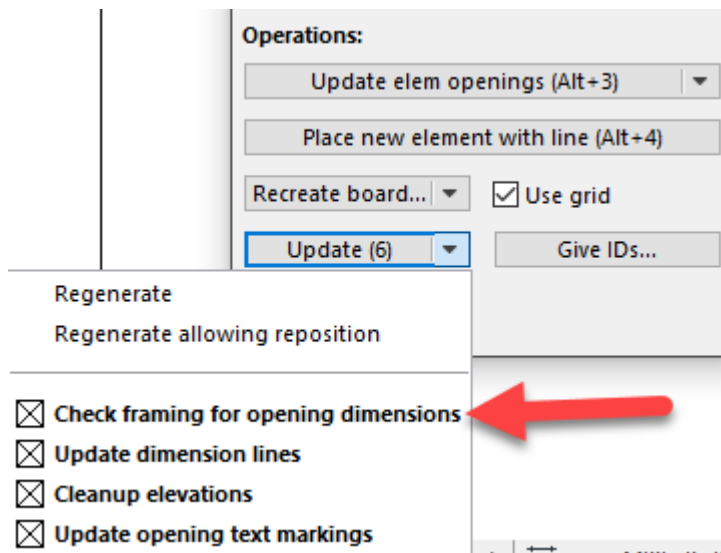
- Air space strips vertical with opening pieces horizontal left a collision – not any more:



- Automatic cut of studding works now also if connected to unrotated framing (main framing typically):

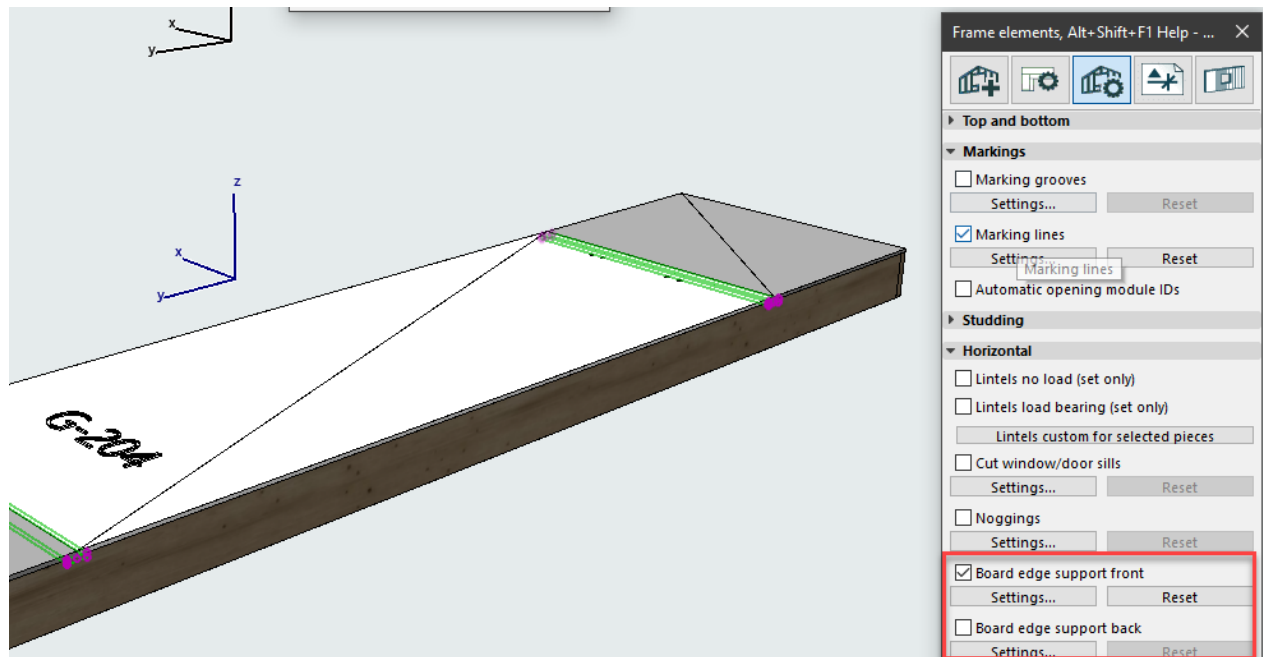


- Creating layouts as drawings (not updating ones) places now font Isocpeur and others with external leading zero better. Final solution is to wait AC26 update which allows using automatic updating for layouts.
- Plank's setting *Include in dimension line* now affects this element update option also:



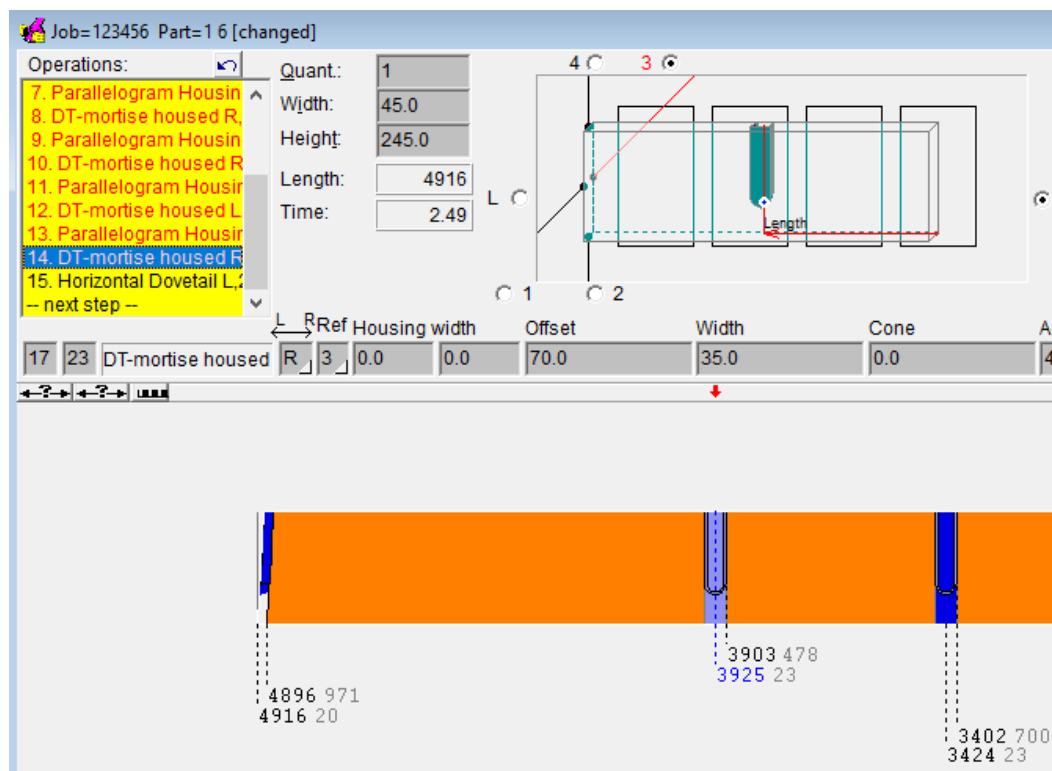
- Mark neighbor elements now work also when started from floor plan from another floor than the related ArchiFrameElements' floor. For example from the elevations floor. Earlier worked only if started from 3D if elevations were in another floor than the floor plan elements.

- New element option, please see help (Alt+Shift+F1) from the settings dialog:



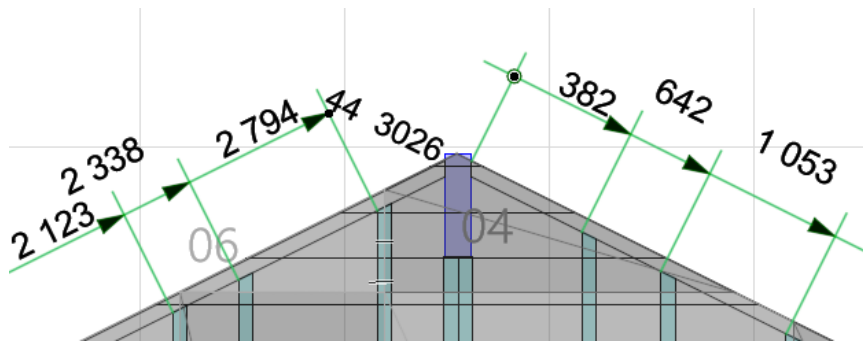
17th October 2022

- Unrotated housed DT-mortises may have appeared upside down when saving as Hundegger bvn:



2nd October 2022

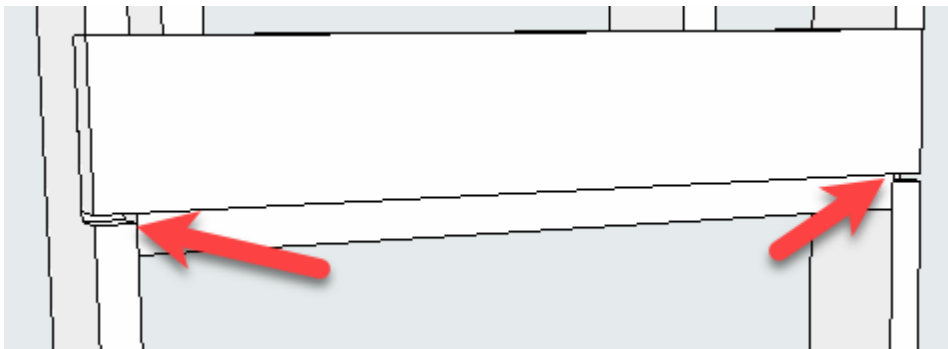
- Toptilted-dimension line has new option ltor="2" that keeps the right hand side dimension line anchors on the left side of the stud:



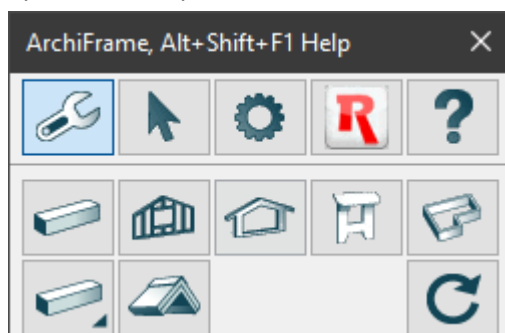
- Dimension drawing for boards bottom projection was incorrect – fixed.

16th September 2022

- Lintels without any additional stud and grooves to the studs left this extra 10 mm oversize to the only king stud:

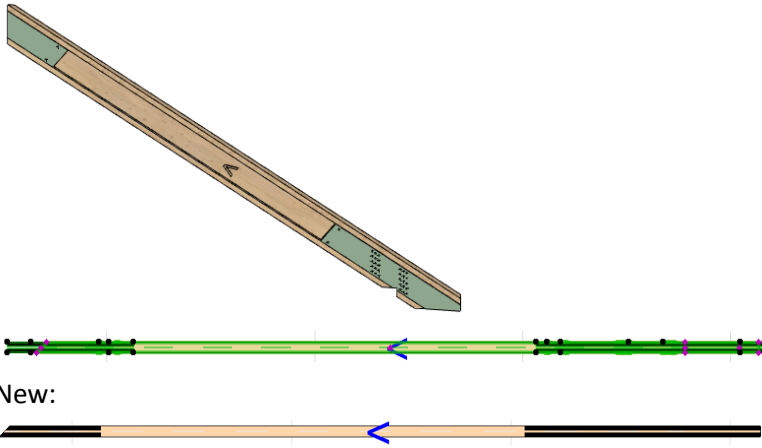


- Added ArchiFrameLibVersion.txt to library telling the date when the library was released.
- Quick fix for 14th Sep version: APIERR_DELETED-message dumped when deleting ArchiFrameElement-objects.
- Updated main palette to have buttons for ext plank tools and ArchiFrameFascia:

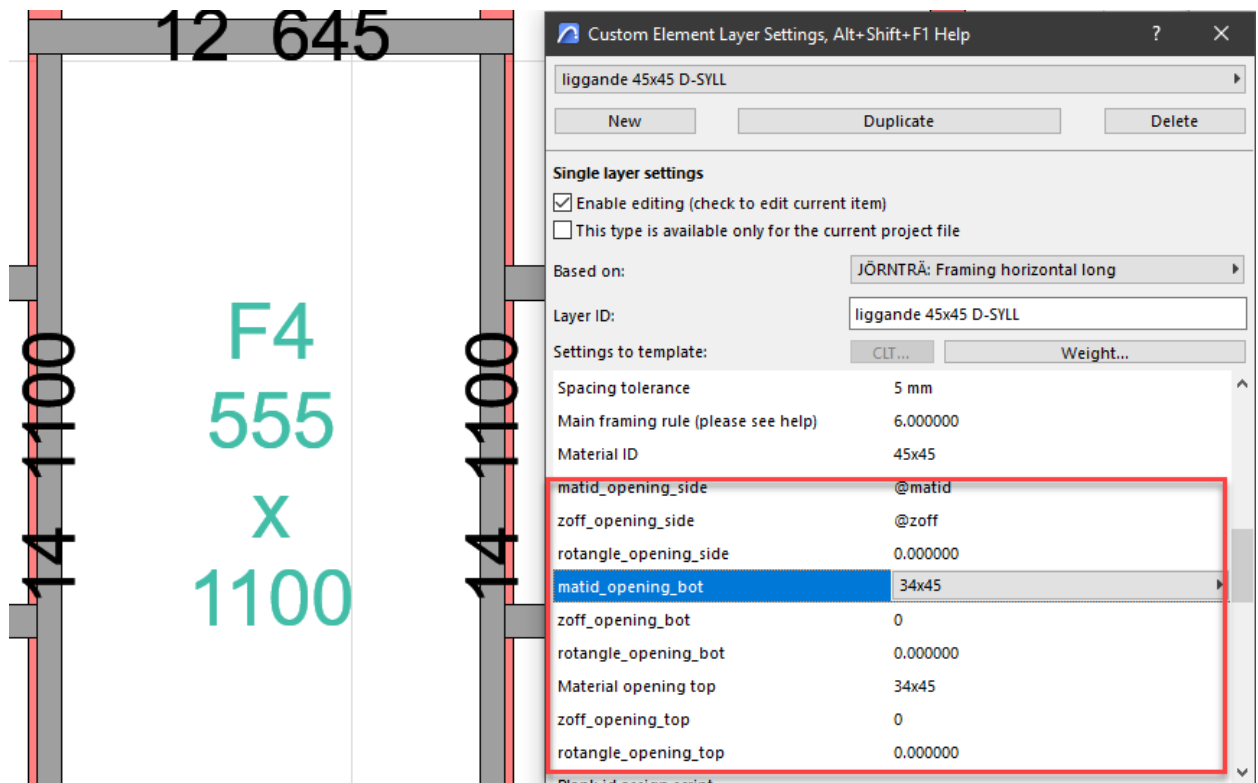


14th September 2022

- Reinforcements for tilted/cut planks were shown incorrectly in floor plan (feature added in beta 19th May 2022). Old:

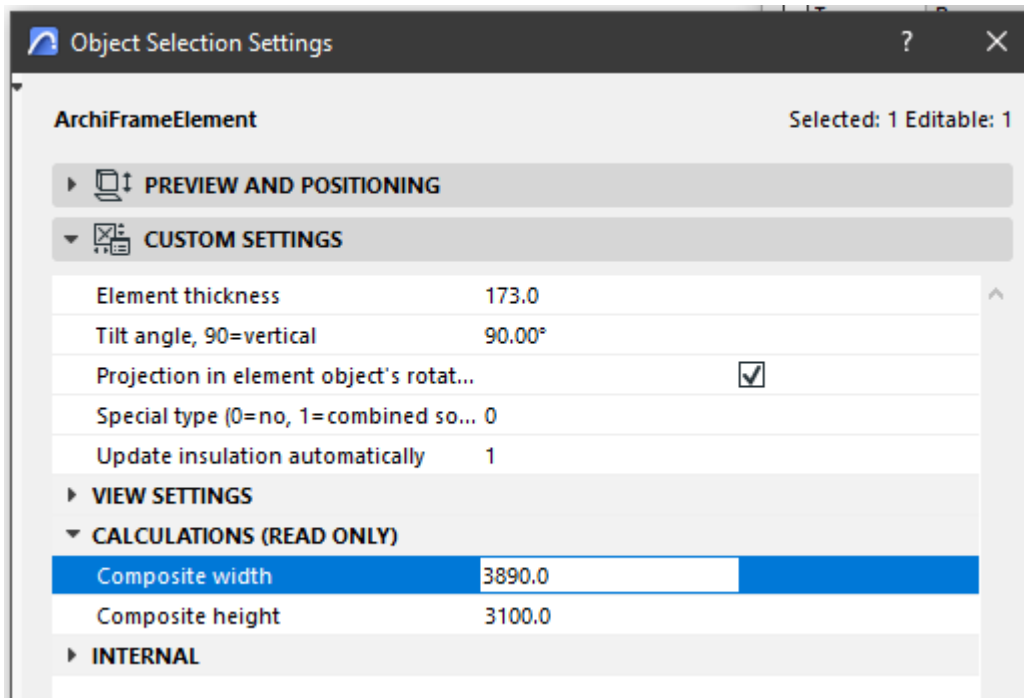


- Converting trimmed roofs to ArchiFrameElement may have failed. Now original roof element is used as a fallback.
- Possibility to define material types for window framing:

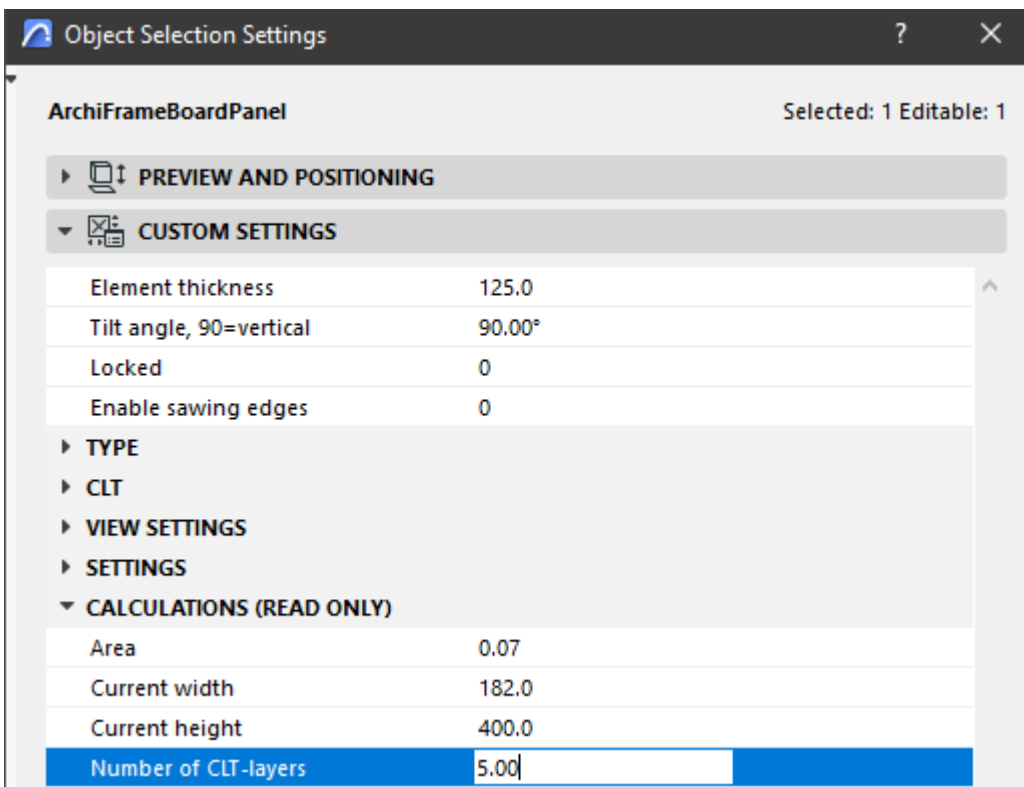


- Possibility to set Archicad-classification for newly created elements, please search for *class system* from the online manual. By default, ArchiFramePlanks are now classified to ARCHICAD Classification/Materials/Wood.

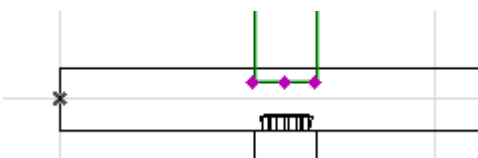
- New read-only parameters for ArchiFrameElement:



- New read-only parameter for ArchiFrameBoardPanel:

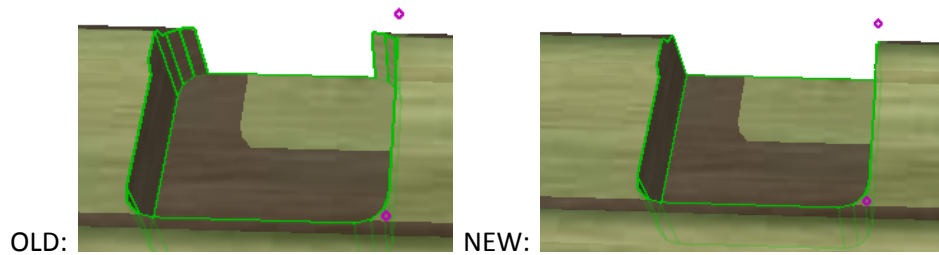


- BVX-cnc-writer: All output is now Unicode utf8-coded
- ArchiCorners allow now 2 mm errors for wall corners to consider them connecting ones.
- Tenon&Mortise / DT-connections were not copied when mirror & copy if new plank was on the same line as original:

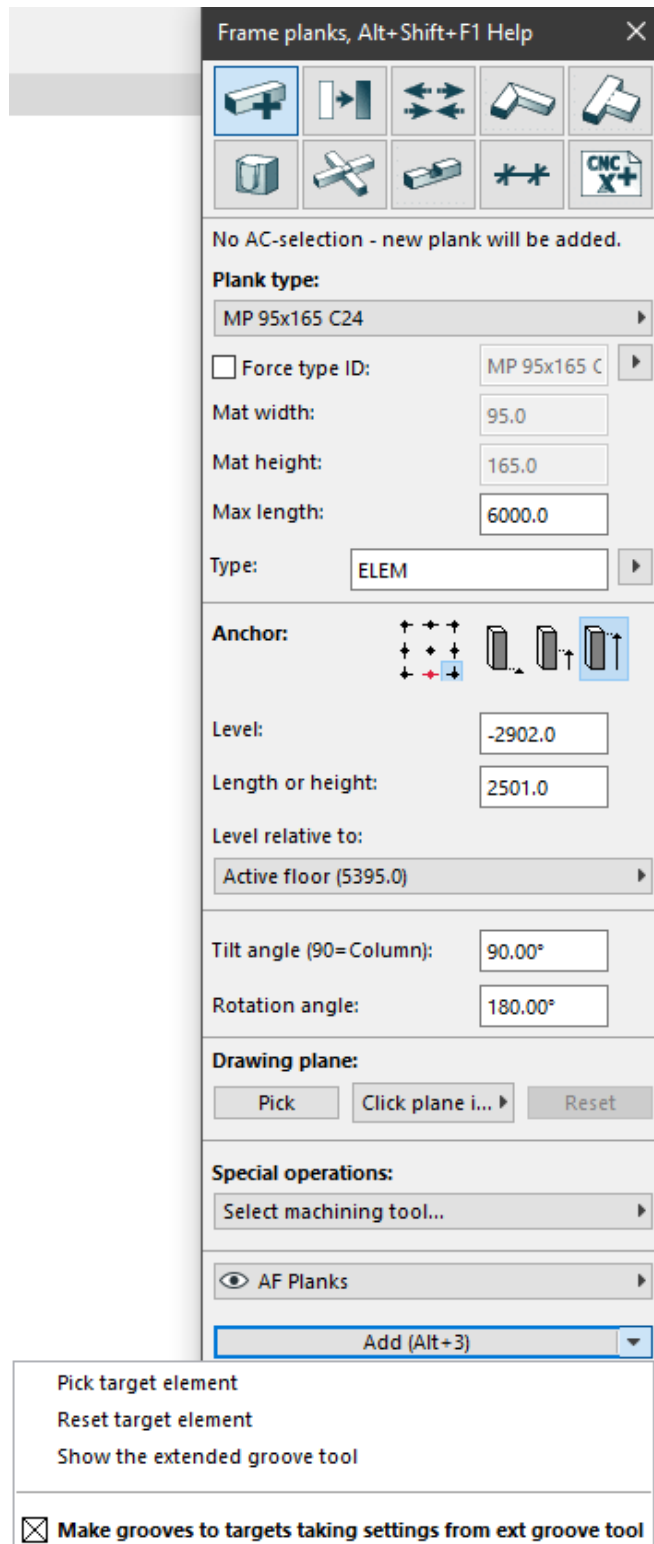


29th August 2022

- Support for AC26 also
- Italian library option in Windows installer and in Mac zip
- In some models copy & paste and similar operations may have taken long time if ArchiFrame was loaded. That was because ArchiFrame checked for changes in libraries and updated tracking of its objects.
- Groove xml has new attribute autoupdate, please search the term from the manual.
- Groove extending just to end of surface on the back side of the plank was visualized incorrectly with roundings:



- New feature to automatically attach newly created planks to an element and make grooves at the same time:

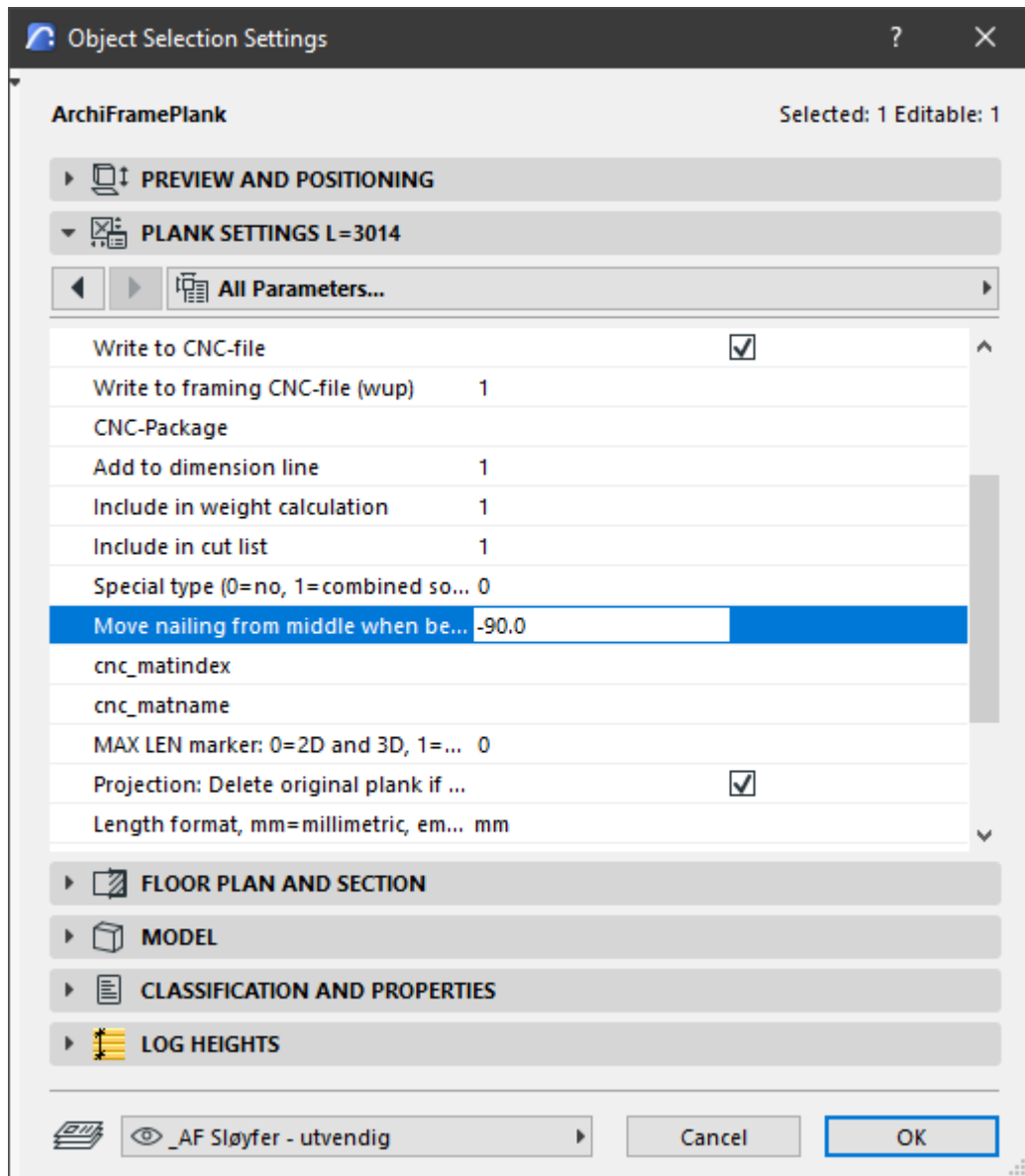


- Attaching plank to an element from another floor than existing planks broke grouping of the 3D-planks.

26th May 2022

- Balk shoes, reinforcements and nailings no longer produce “Other cuts x pcs – see info” to the cut information.

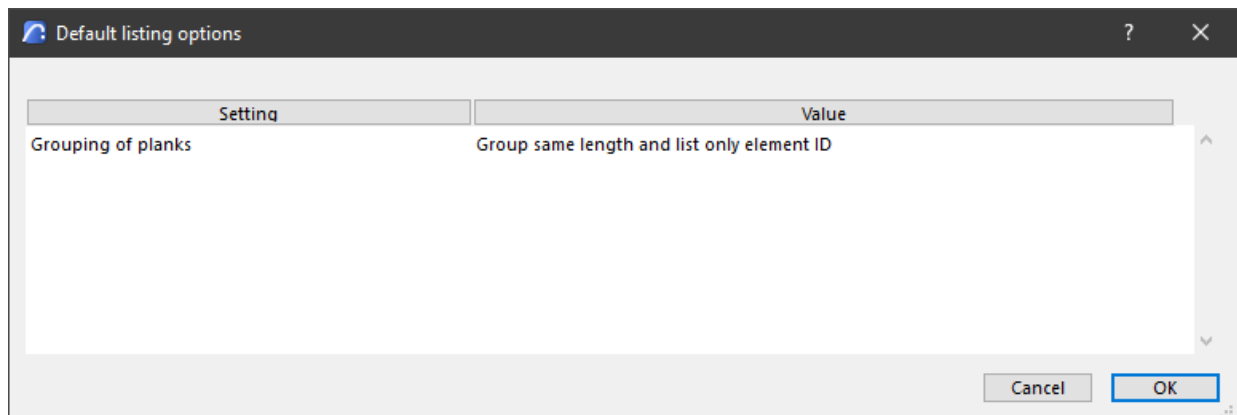
- Nailing parameter affects now also cladding nailings:



- Possibility to add a nailing script when creating nailings, please see online manual [here](#).

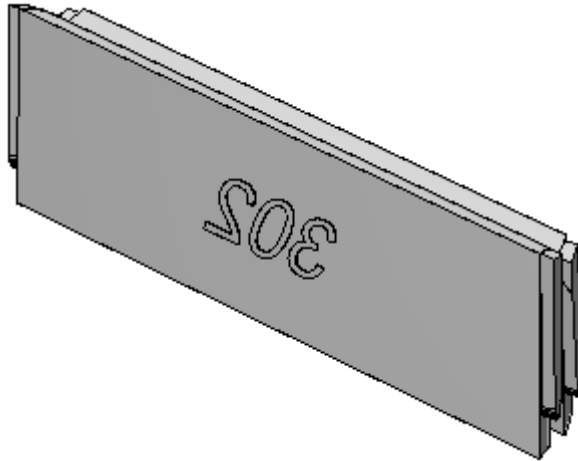
19th May 2022

- Default listing may have split lines with the same plank lengths into two rows because of rounding - fixed:

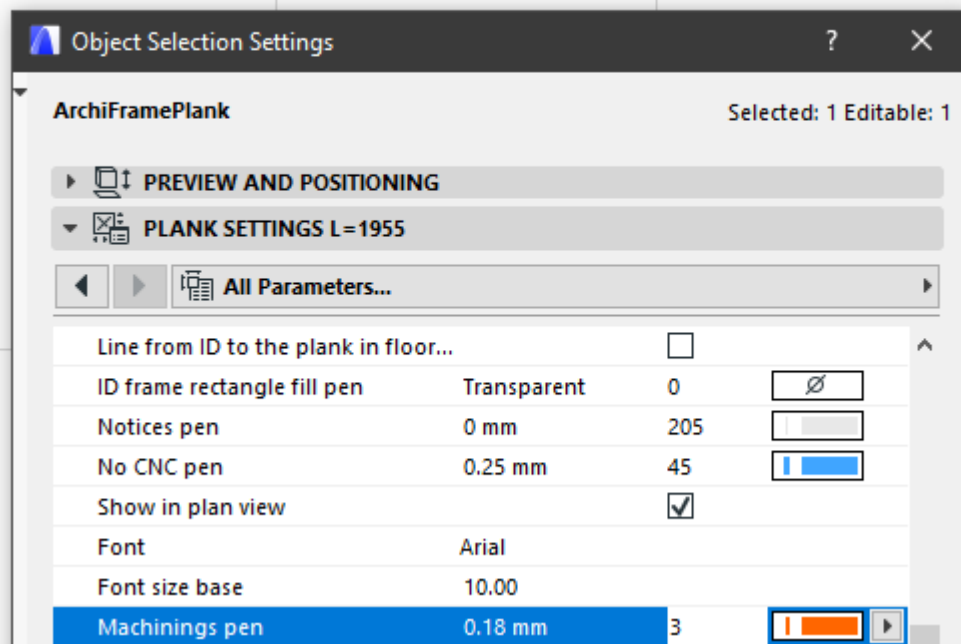
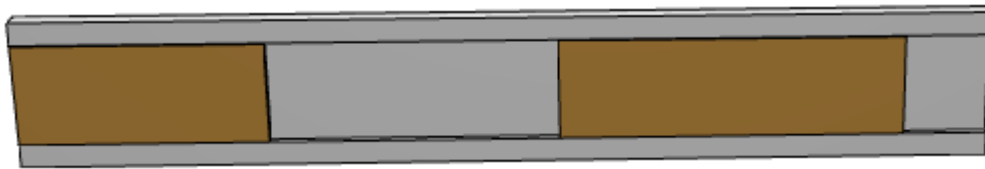


- Btl and BtlWeinmann -cnc-writers:

- Support for dovetail:



- Drilling to the end of the piece now correct
- Zero size ArchiFrameBoardPanels are deleted. Earlier they may have caused invalid polygons and problems to AC 3D-window.
- Reinforcements inside the plank are now visible in 2D using this pen and solid fill:



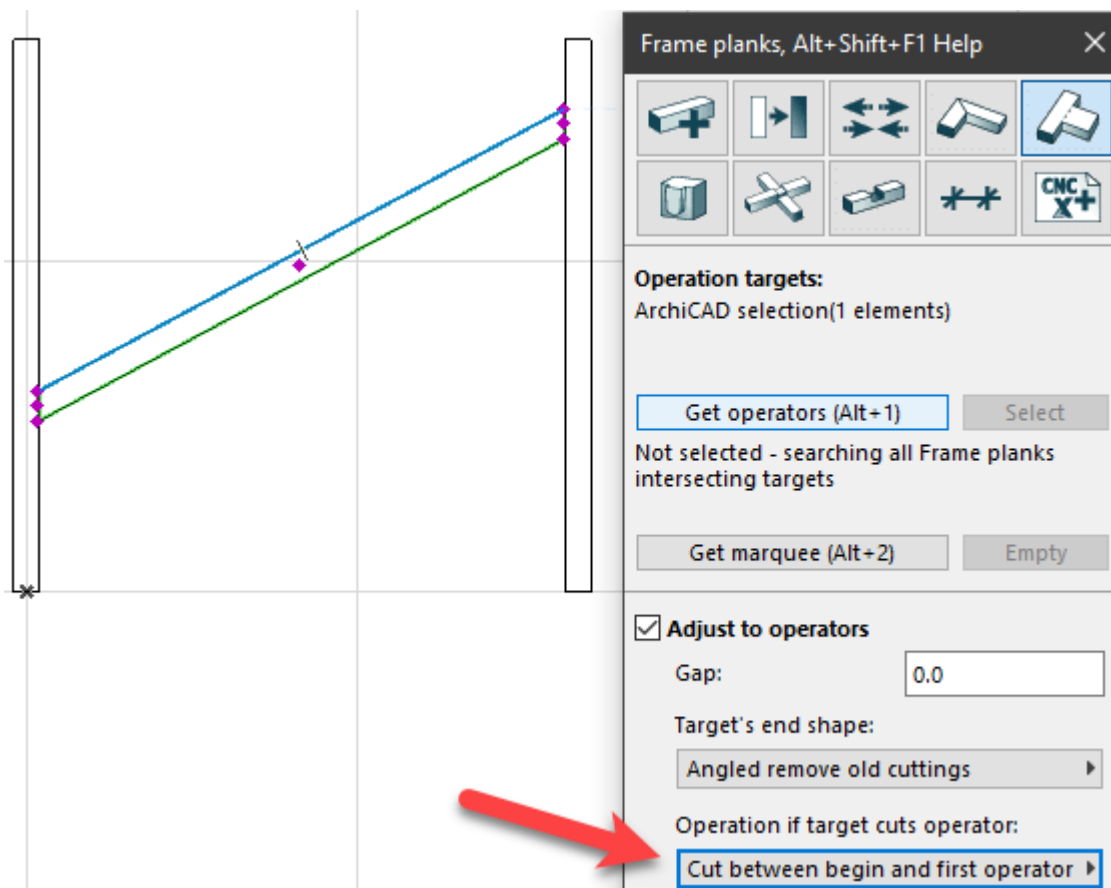
- Possibility to give IDs in the element based on plank's role in the element, please search for renumscriptnew from the online manual.

19th April 2022

- Floor layouts possibility get floor related names to the cut list (see luasettings from the manual):

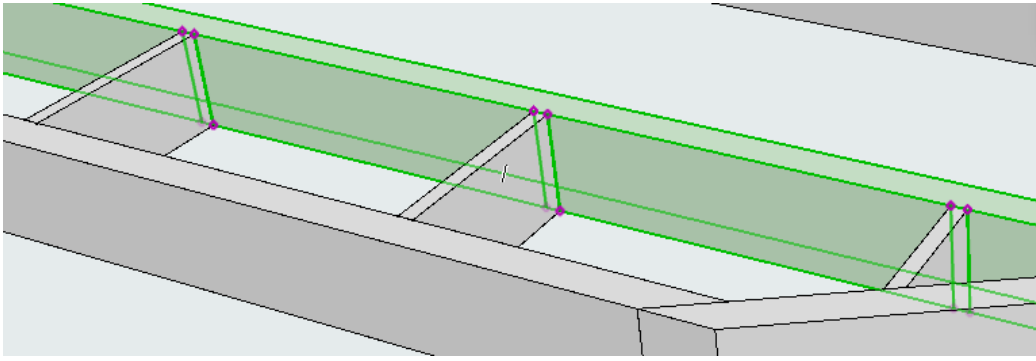
Dekke- CORE					
Type		Len	Pcs	Cut info	
Joist 48x148 (04)		4318	2		
Joist 48x148 (11)		1431	2		
Joist 48x148 (05)		1246	2		
Side beams 48x148 (07)		476	5		
Side beams 48x148 (06)		451	16		
Contour piece 25x100 (01)		4368	1		
Contour piece 25x100 (03)		2245	1		
Contour piece 25x100 (12)		2245	1		
Contour piece 25x100 (08)		1642	1		
Contour piece 25x100 (10)		1481	1		
Contour piece 25x100 (02)		1296	1		
Contour piece 25x100 (09)		863	2		

- New adjusting option to trim to the first operator removing remaining part (also from xml):

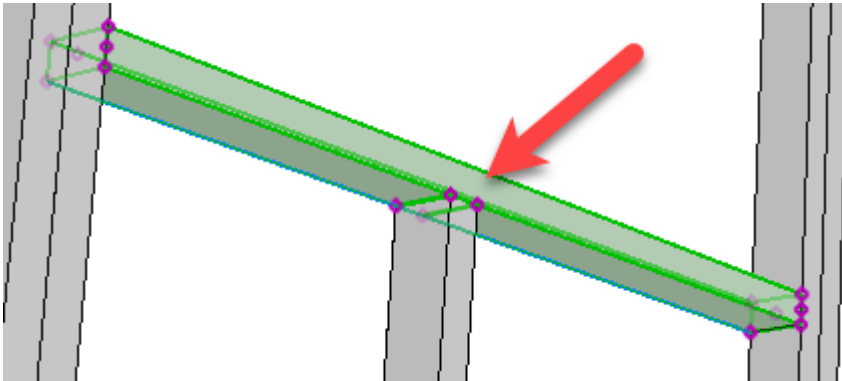


- Marking tool with text may have put text “???” to operators – fixed.

- Marking element option now also marks the side pieces if mark opening pieces is checked:

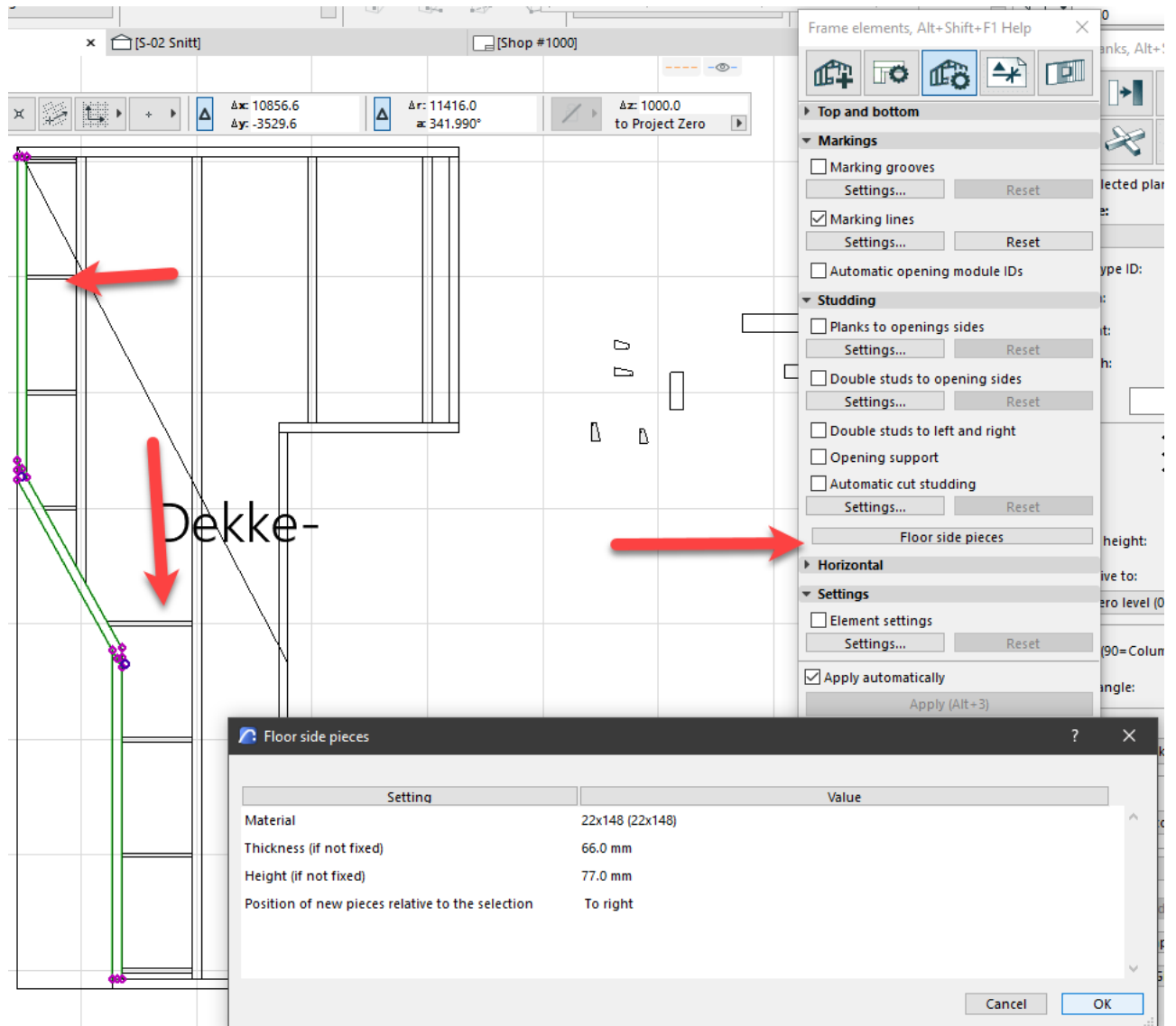


- Markings did not appear to the opening horizontal pieces – now these are also added:

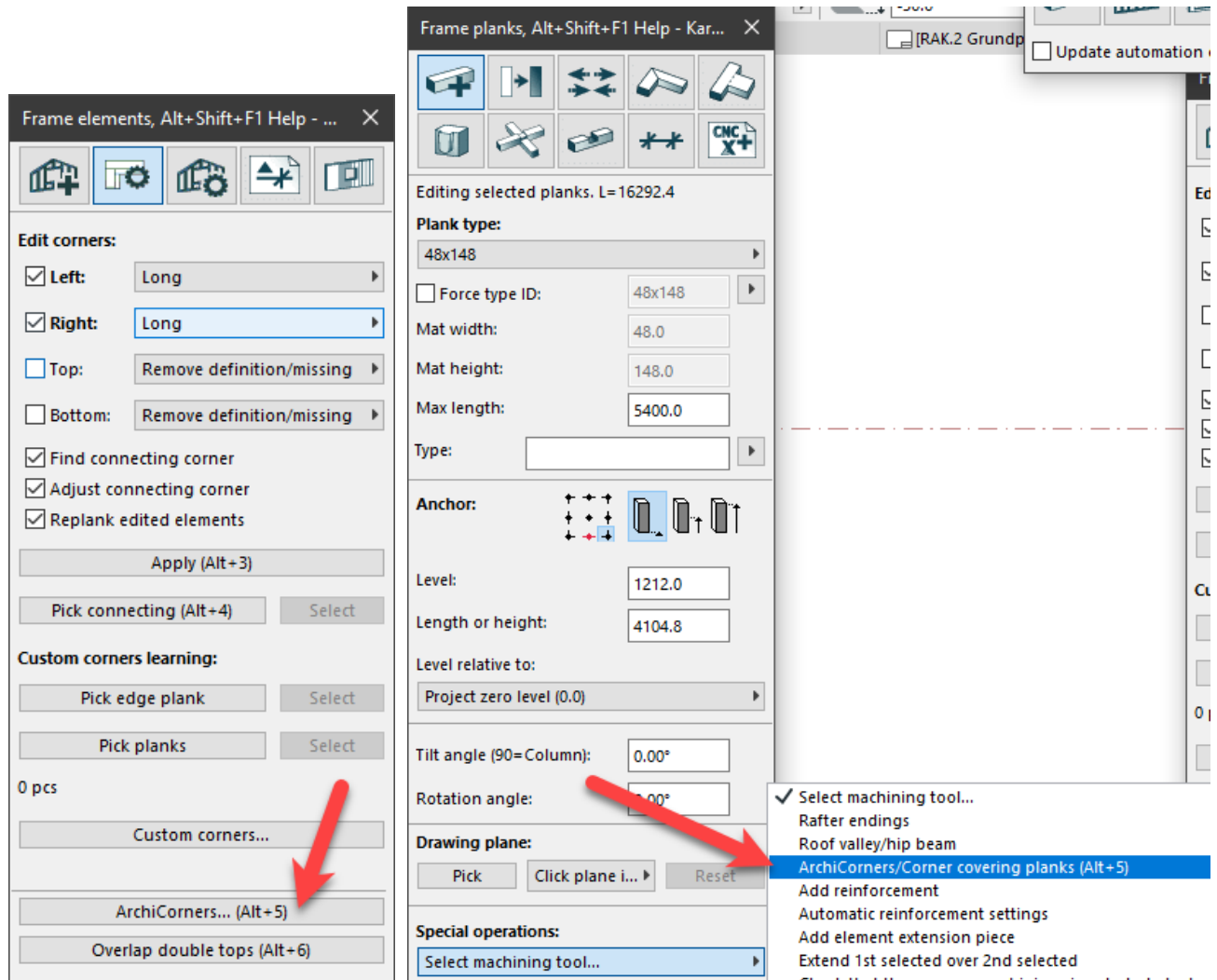


- Create planks may have crashed Archicad in some cases

- New option to add side pieces:

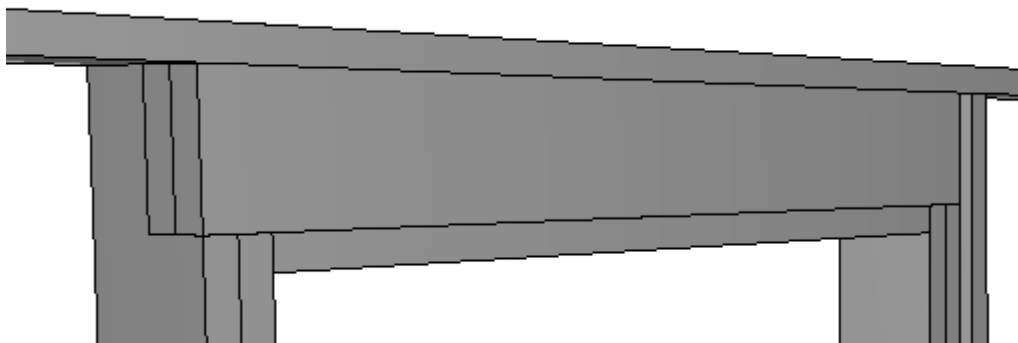


- ArchiCorner-tool to add corner planks (in two places in UI):



2nd April 2022

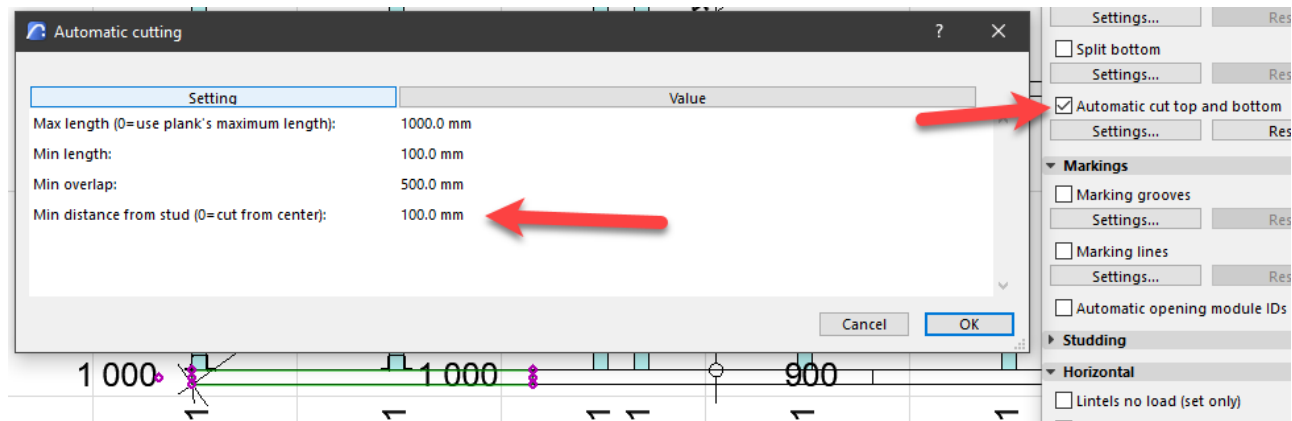
- Lintes to top having exactly the size of the beams space now keeps also the inner stud(s) connected to the top plate:



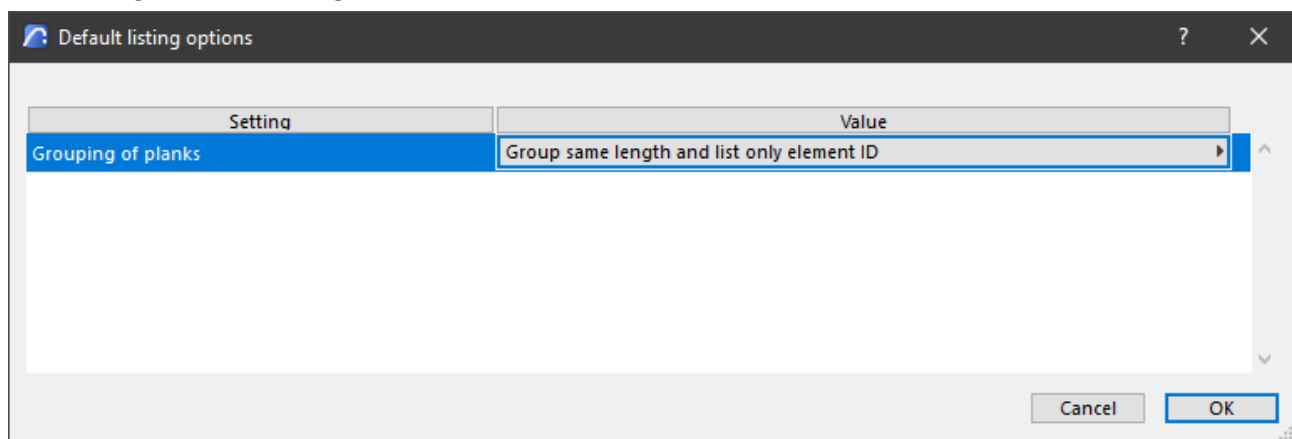
- Script base to list accessories like balk shoes in element elevation:

EW-99 ACCESSORIES			
ID		NUM	UNIT
SHOE01		4	pcs

- New setting here not to cut the top/bottom plate from middle of a stud:



- New setting to default listing:



- Nasty showing hidden layers sometimes bug fixed (especially if main element tool palette was visible)!
- Markings improved, please see [this video](#).

25th March 2022

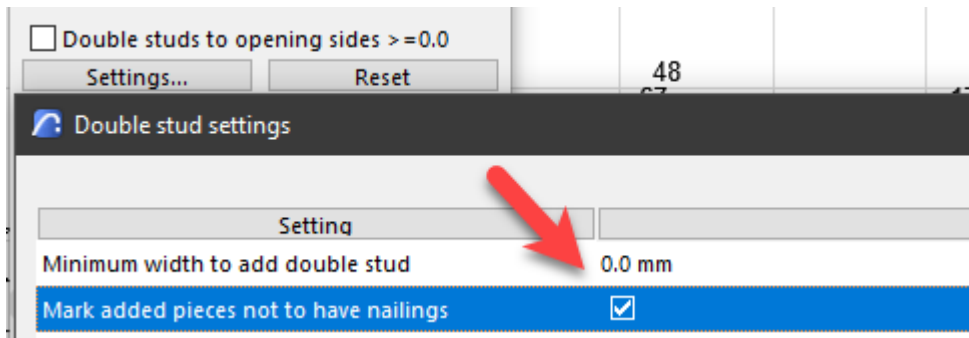
- Section with dimension lines: Norwegian texts added
- Fixed bug that came in version 8th March that caused Marking grooves to produce just part of the grooves.

24th March 2022

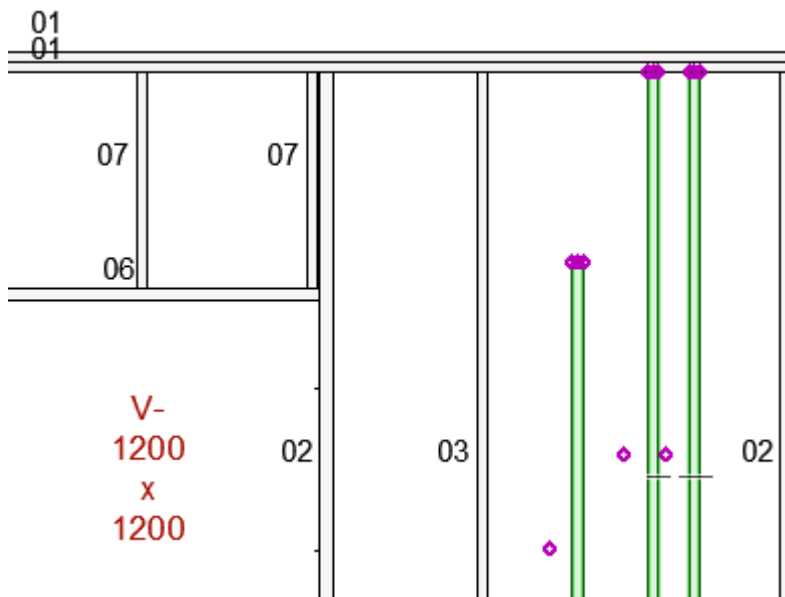
- Truss object was missing font name – now it is Arial by default.
- Online license client will retry requests five times if it gets bad reply from the server. This should reduce problems with the online licenses dramatically.
- Mark opening pieces stopped working in some beta-version, now it is working again.
- Element elevations cut lists: If [x] Give plank IDs manually was checked, planks with different lengths were combined to single row. Now each length will have its own row.
- Possibility to run Lua script when creating saw cuts.

14th March 2022

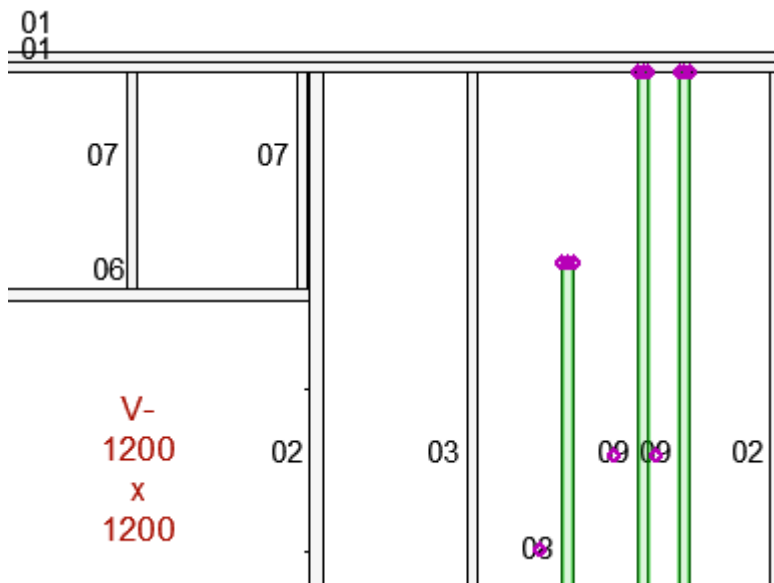
- New setting in this element option:



- Element tool/More Settings/Give IDs only to pieces with empty IDs now handle planks that are similar as existing ones (here the new rightmost planks are similar as 02) – before:



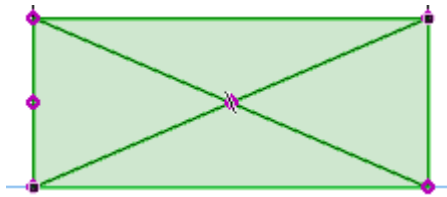
After:



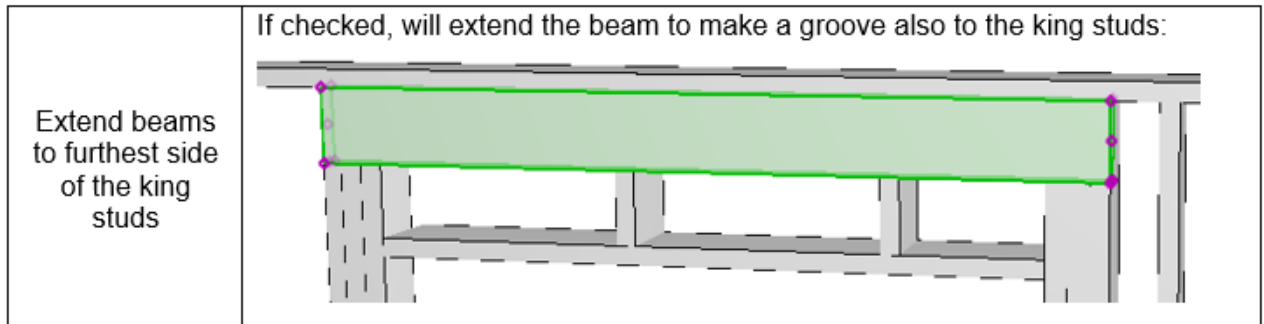
- Element tool/Combine new elements/More settings were not properly set if edited in the settings.
- Element tool/add nailings with selection from multiple elements will now add nailings only to pieces that are owned by the same ArchiFrameElement composite.
- Overlap tops, please see the [video linked](#) into online manual.
- Dimension drawings: Now it is again possible to leave layout ID empty having just the part ID in it.

8th March 2022

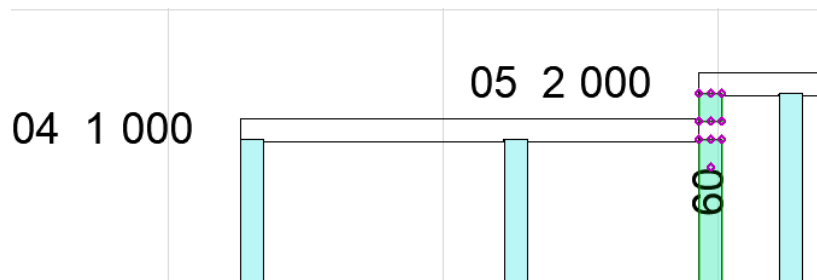
- By default all element related planks get X-mark in sections now:



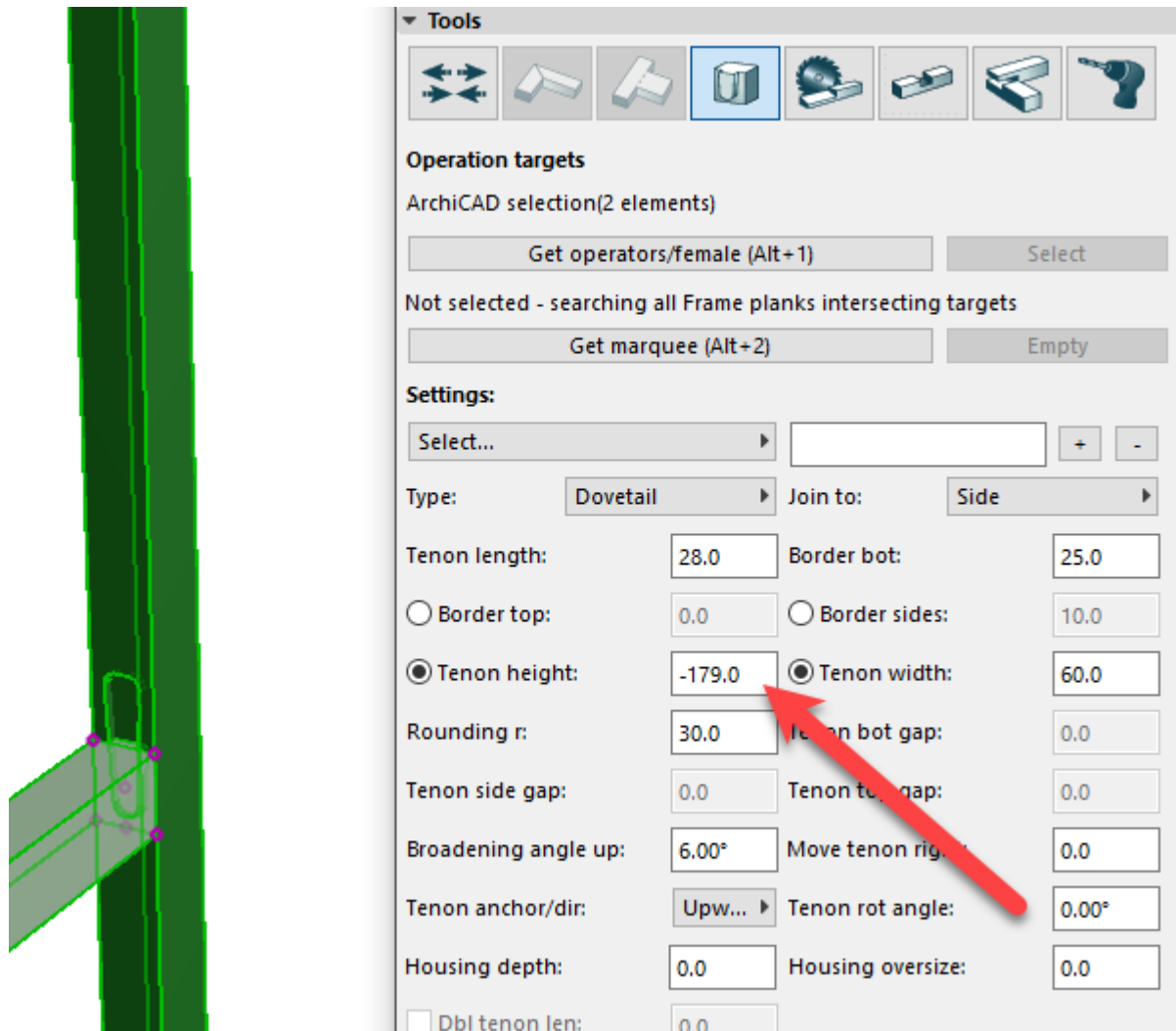
- New option for lintels:



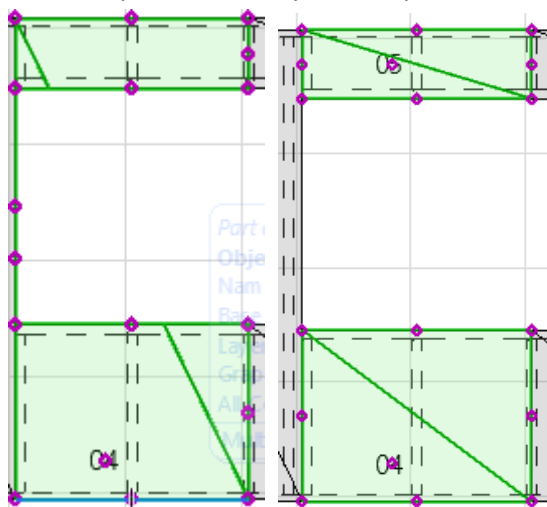
- Marking grooves caused this stud to cut – not anymore:



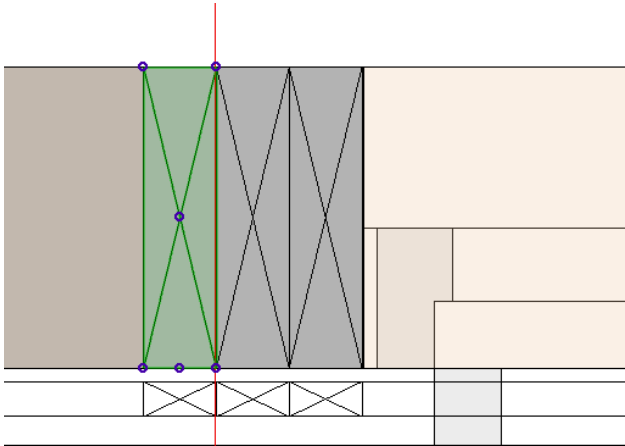
- Dovetail joint, negative value can be given to tenon height to limit the DT pocket height:



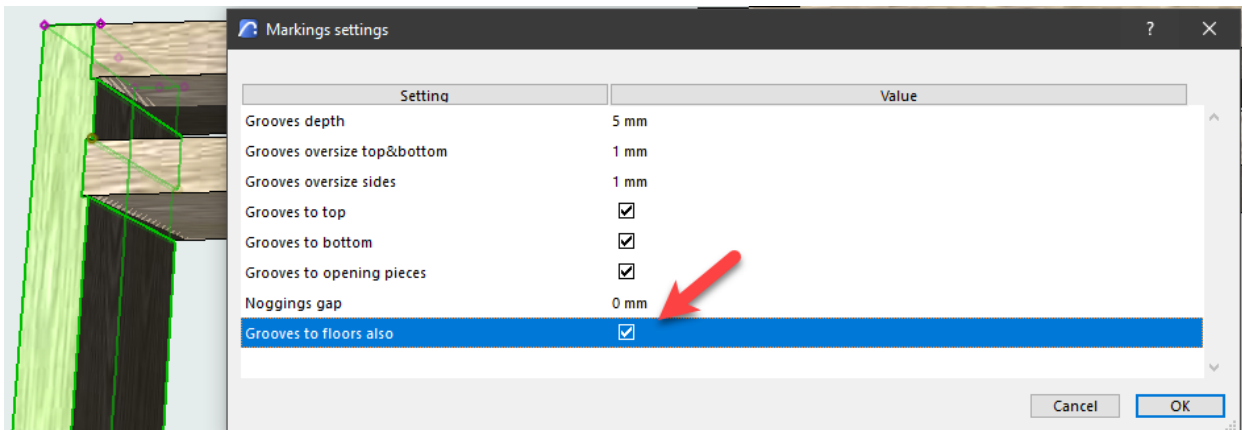
- Double top & bottom element option bugs in floor elements fixed
- Bug that caused recreating boarding to fail starting from locked board fixed. (Came in version 28th Jan 2022)
- Board may have had very narrow part – now split to separate boards if < 1 mm part;



- Grid rule stud is added even if there is another stud already if movement is less than the width of the grid stud:

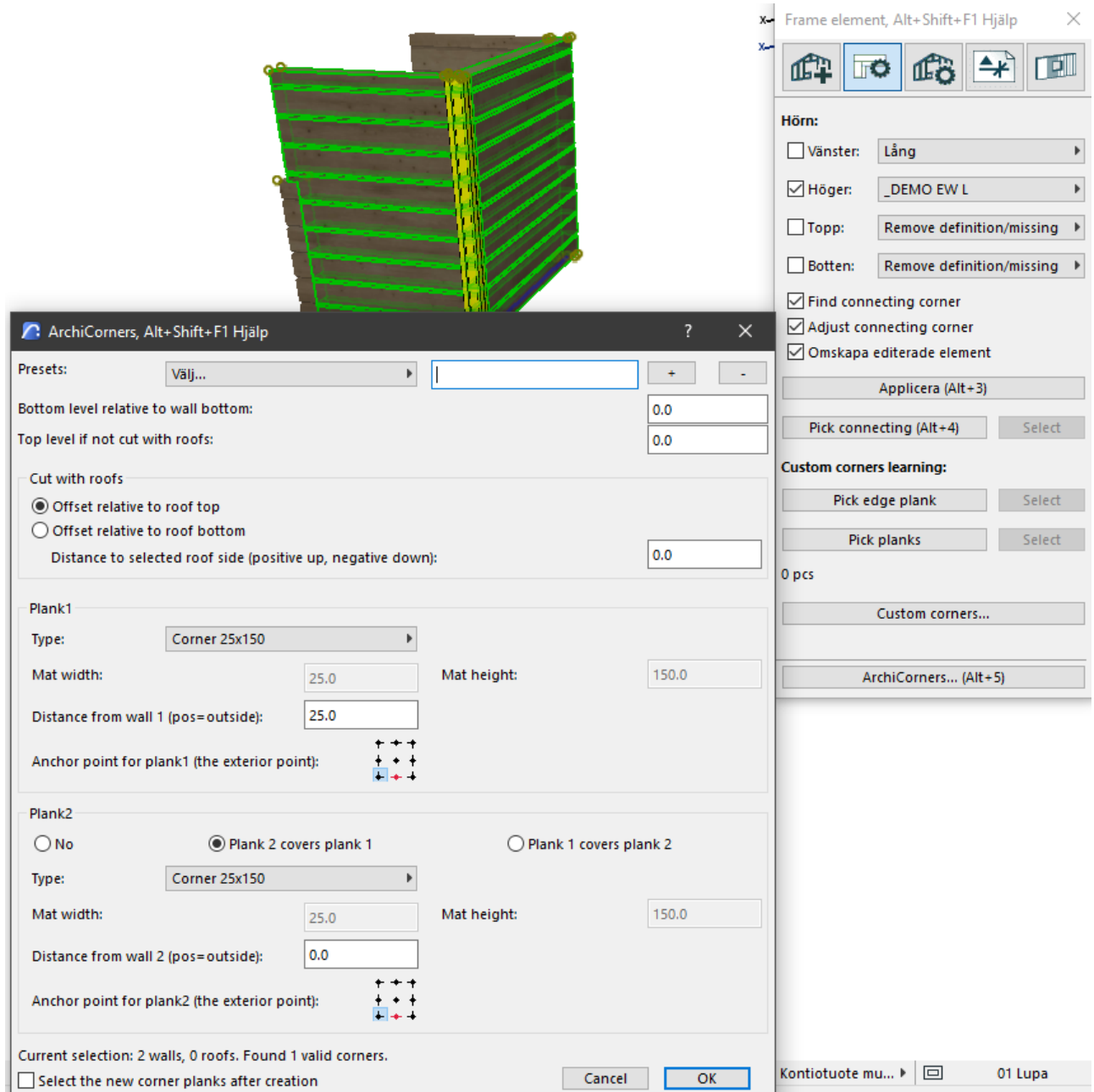


- Marking grooves for floor elements also:

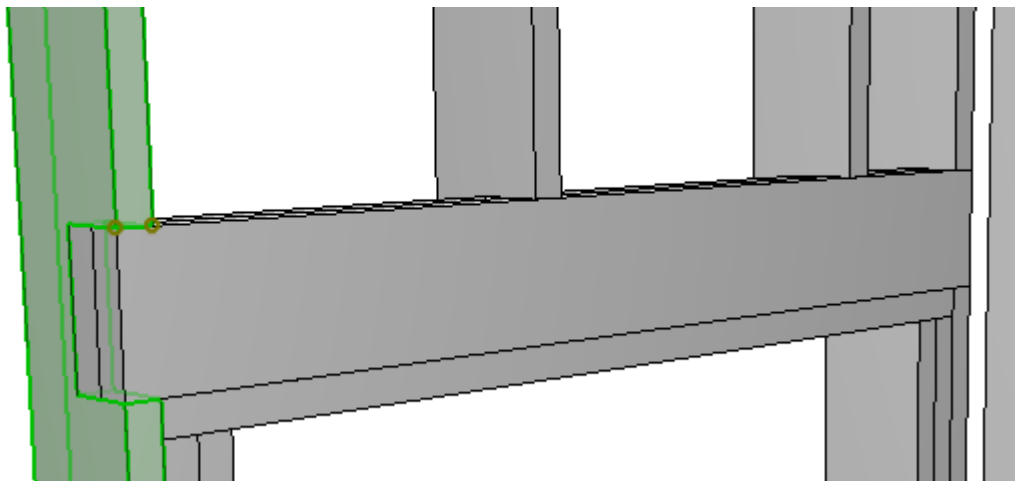


- AC24 & AC25: Undoing adding angle dimension may have crashed Archicad fixed.

- ArchiCorners/corner covering planks tool (also in main plank tools):



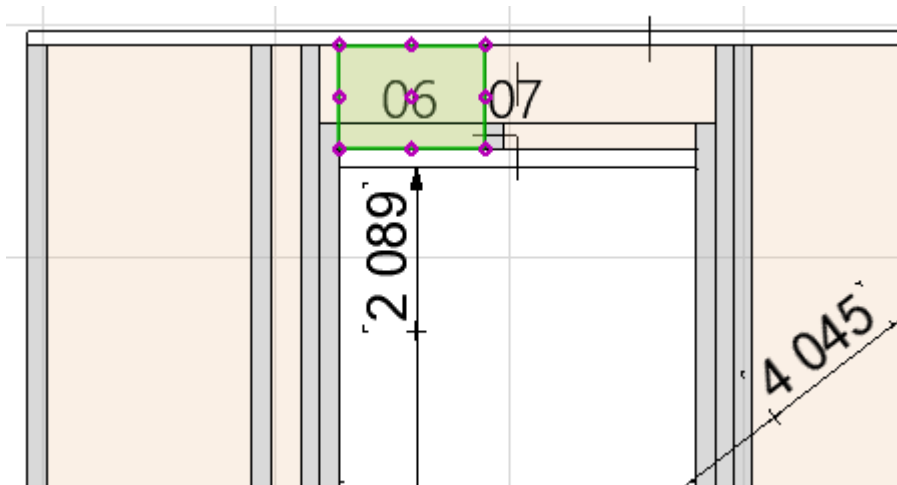
- If some operation was terminated by an unexpected exception, there may have been ArchiFrame's created temporary walls in the model. Not any more.
- If lintel beam extended up to the king studs, there was extra 10 mm oversize in the stud groove's bottom, now correct:



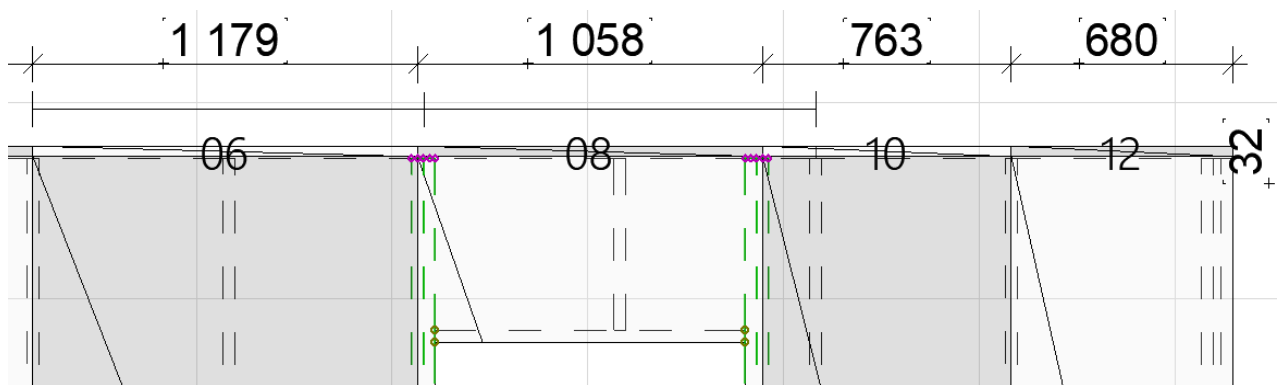
- Excel connection library libxl: reverted to older one since the new one had problems with Element amount of work -listing.

28th Jan 2022

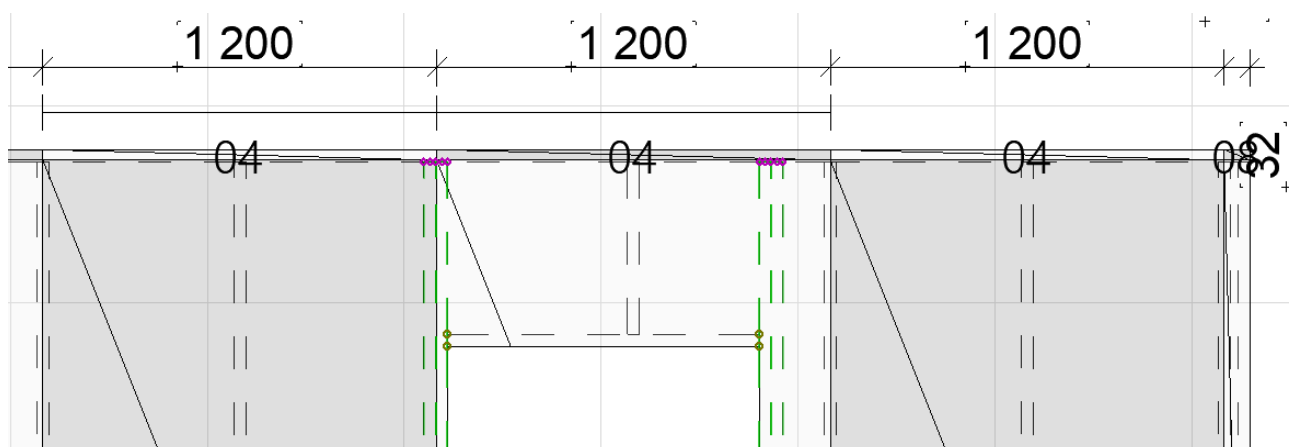
- Exploding insulation may have left orphan projection items if there was automatic lintel or other option changing studding:



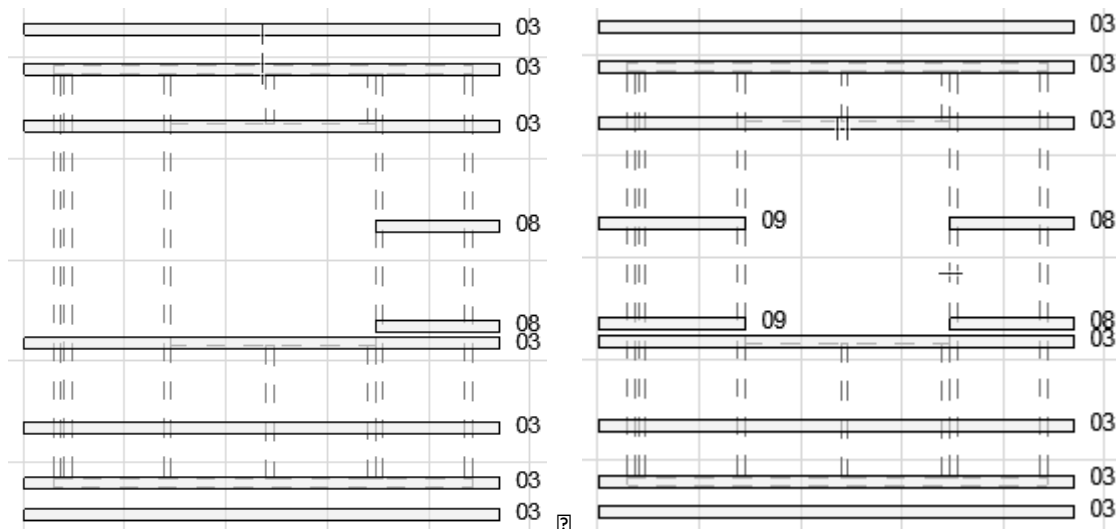
- New boarding strategy modifier to be able to use full board if there are multiple studs next to each other and the board edge is not at middle of a stud, old:



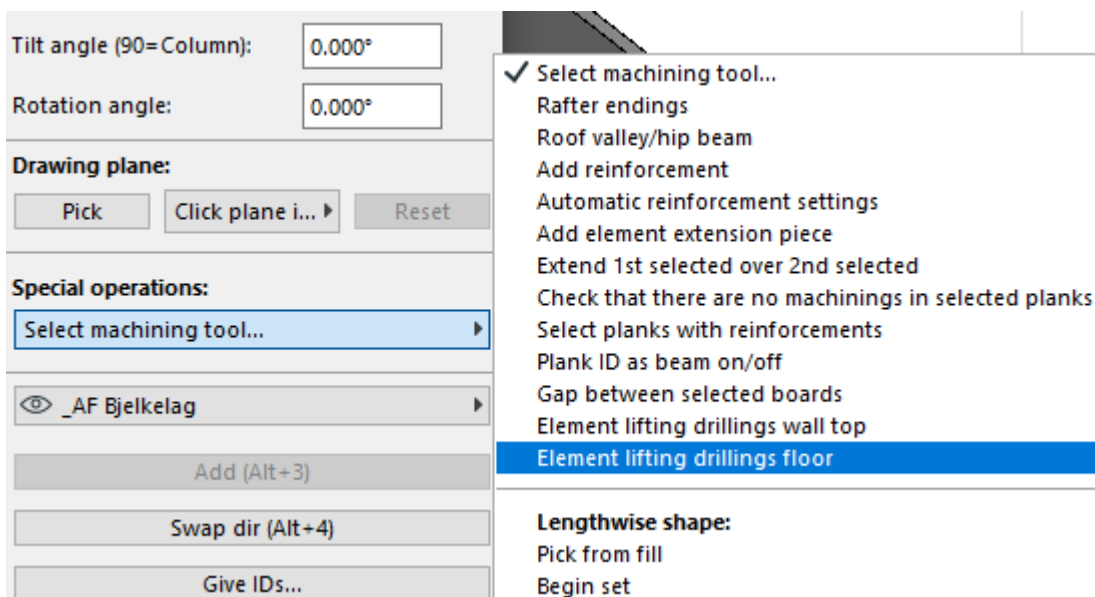
New:



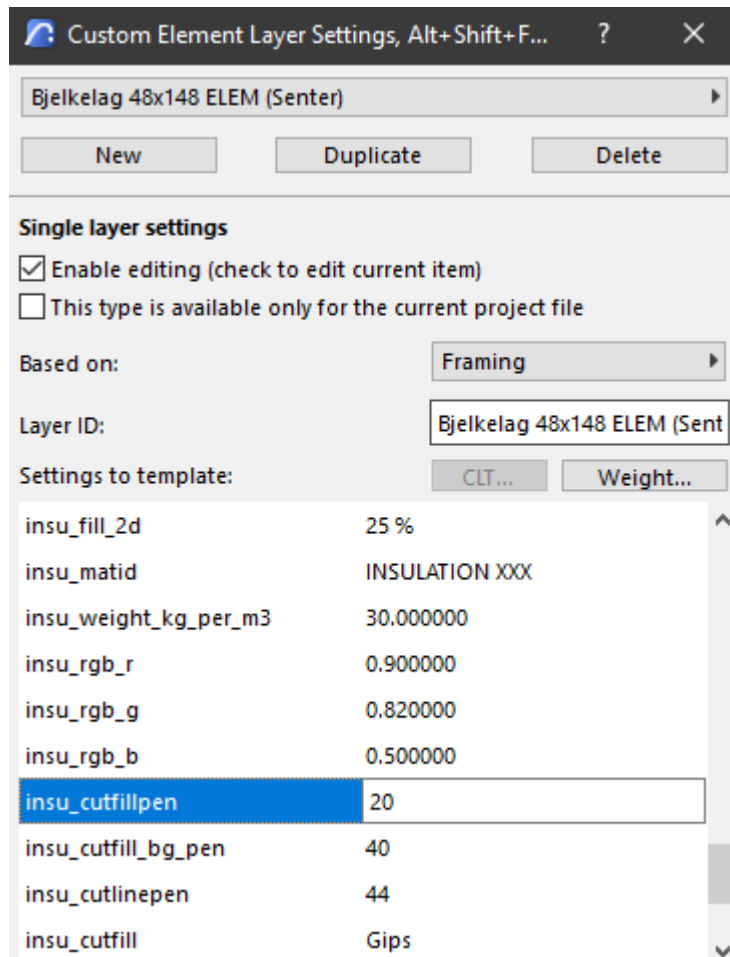
- Own element types: Follow layer definition may have caused for example horizontal studding following vertical studding not to create all studding pieces (note that here it follows horizontal pieces from main):



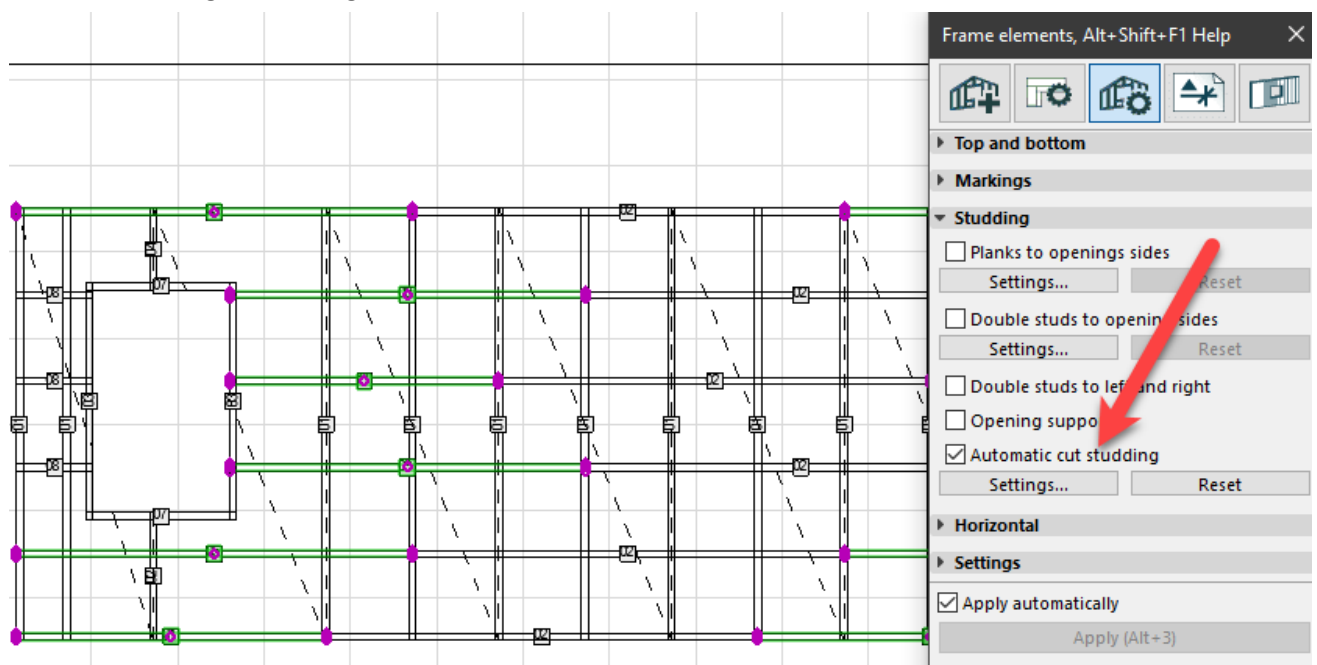
- Mirror a copy of an element may have swapped direction of vertical studding causing them go from top to bottom instead of normal bottom to top.
- Floor lifting drills in main plank tools:



- Own element layers: added possibility to set insulation's section cut attributes:

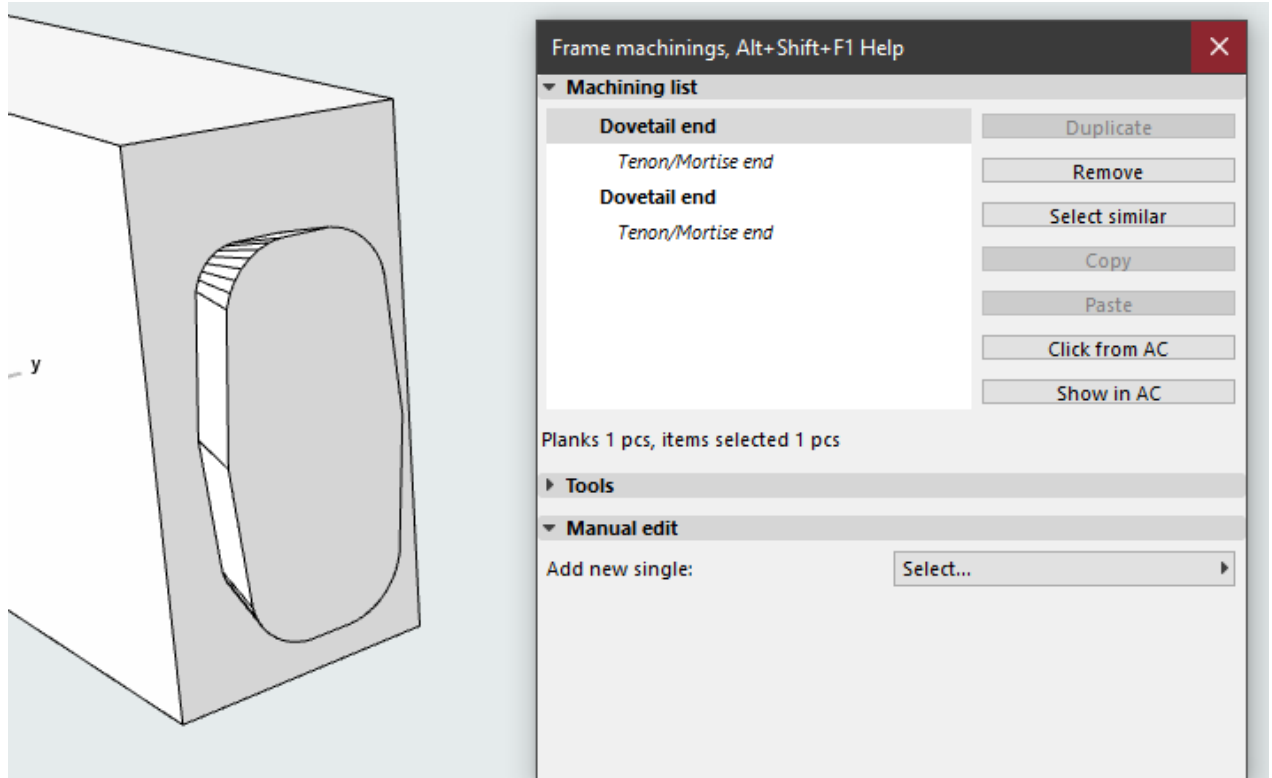


- Automatic cutting of studding:

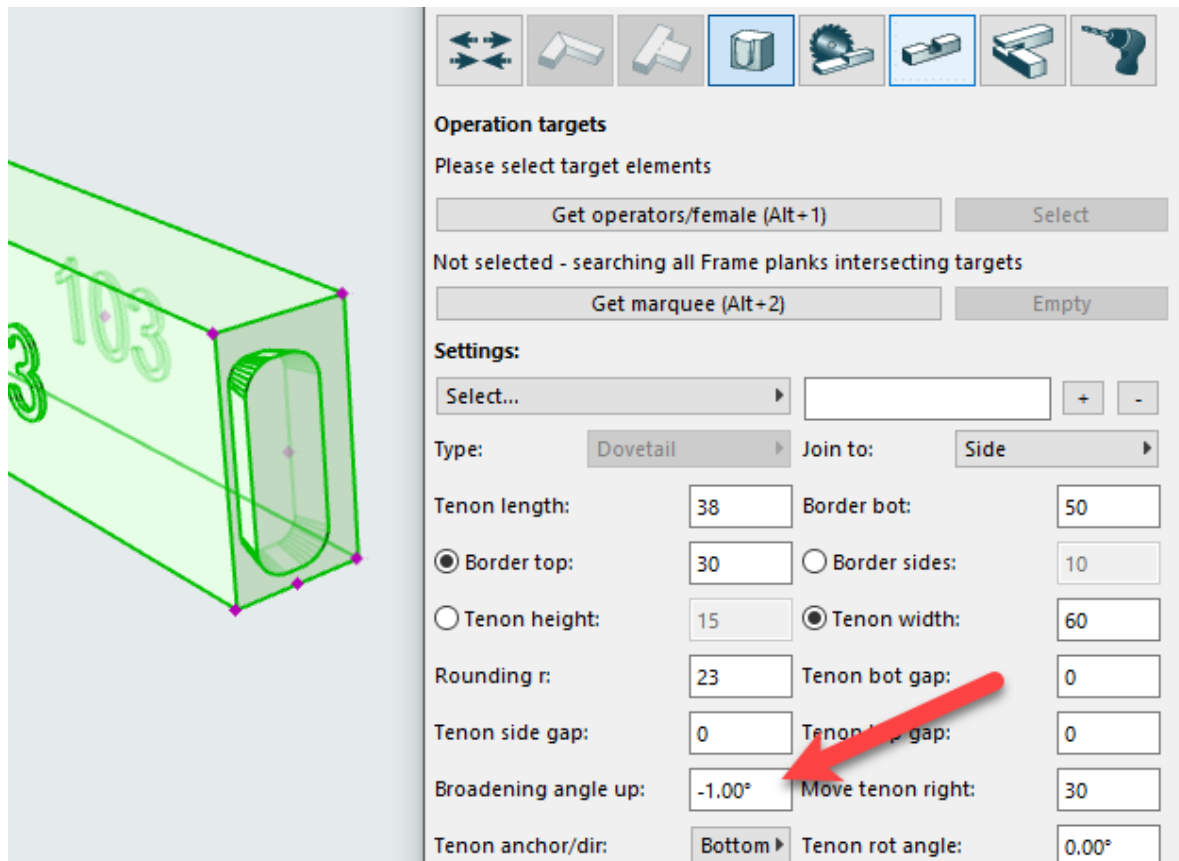


3rd Jan 2022

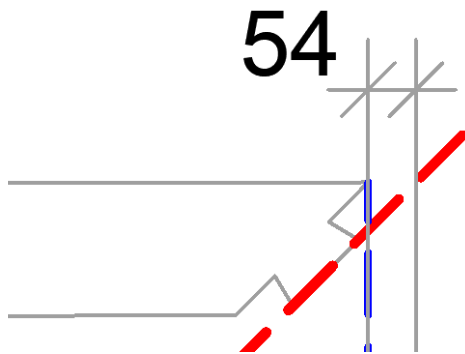
- Possibility to add many tenon/dovetail tenons anchored to different sides of the plank to the plank end:



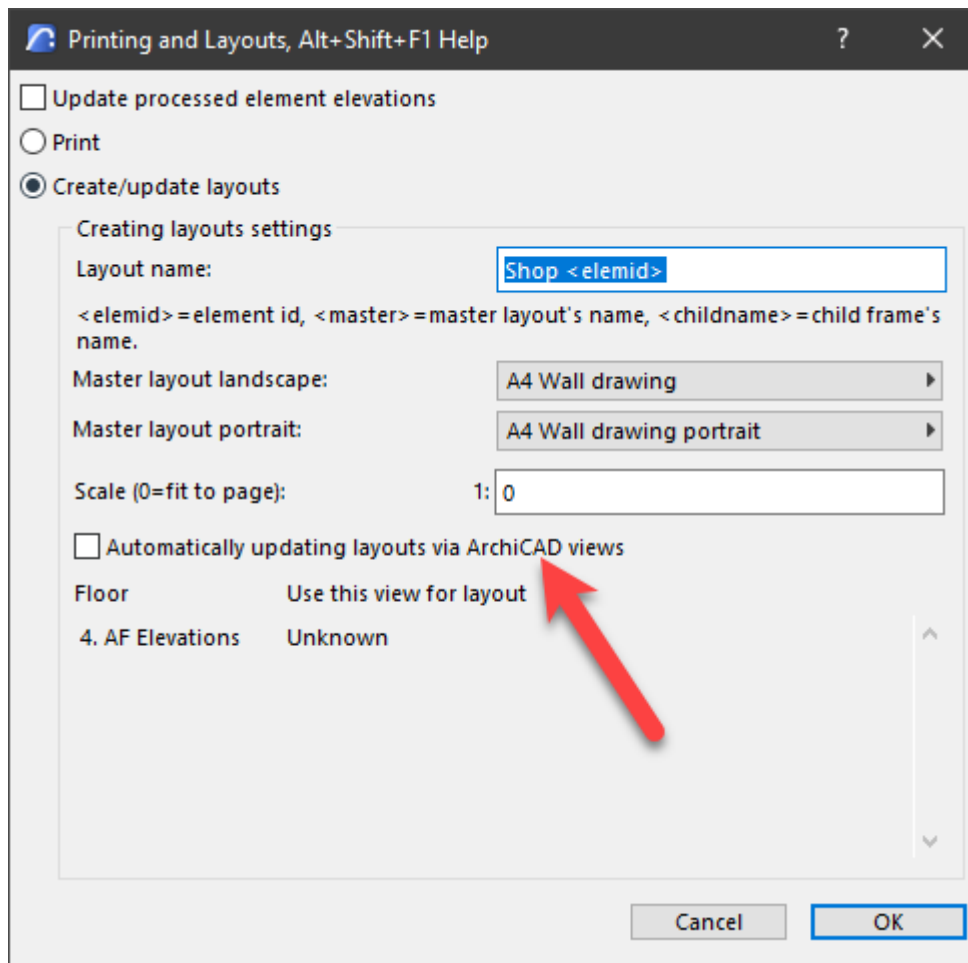
- Straight DT tenon having rounding at top & bottom with negative widening angle:



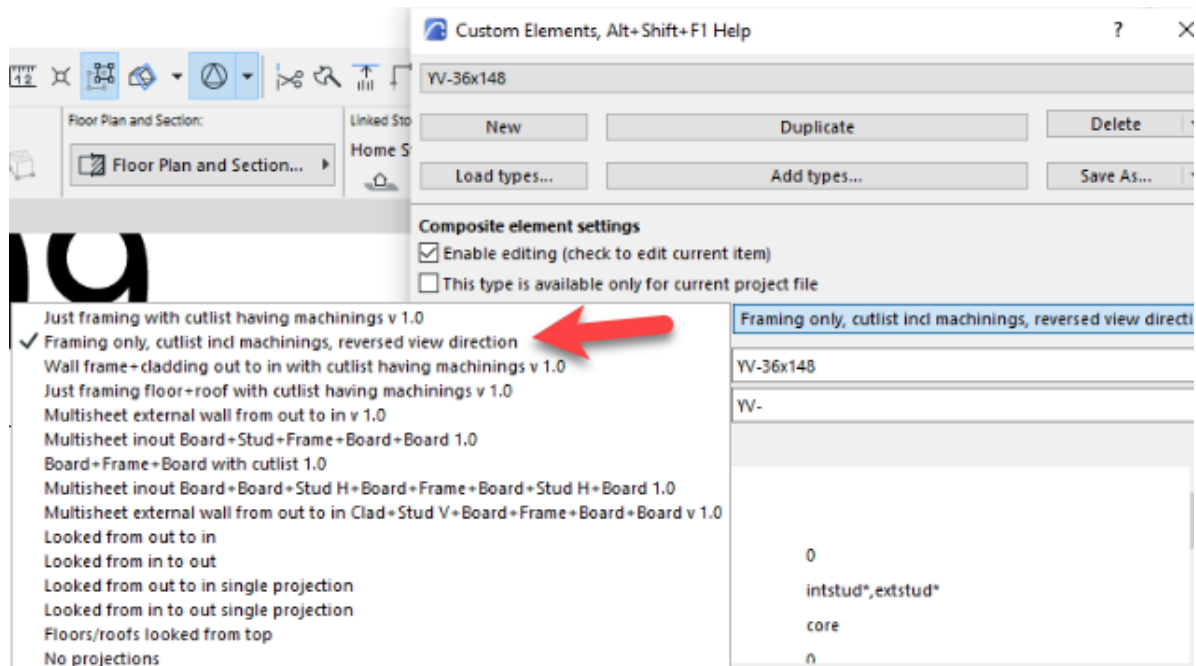
- Tenon length optimization – please search for text cnclimits in the online manual:



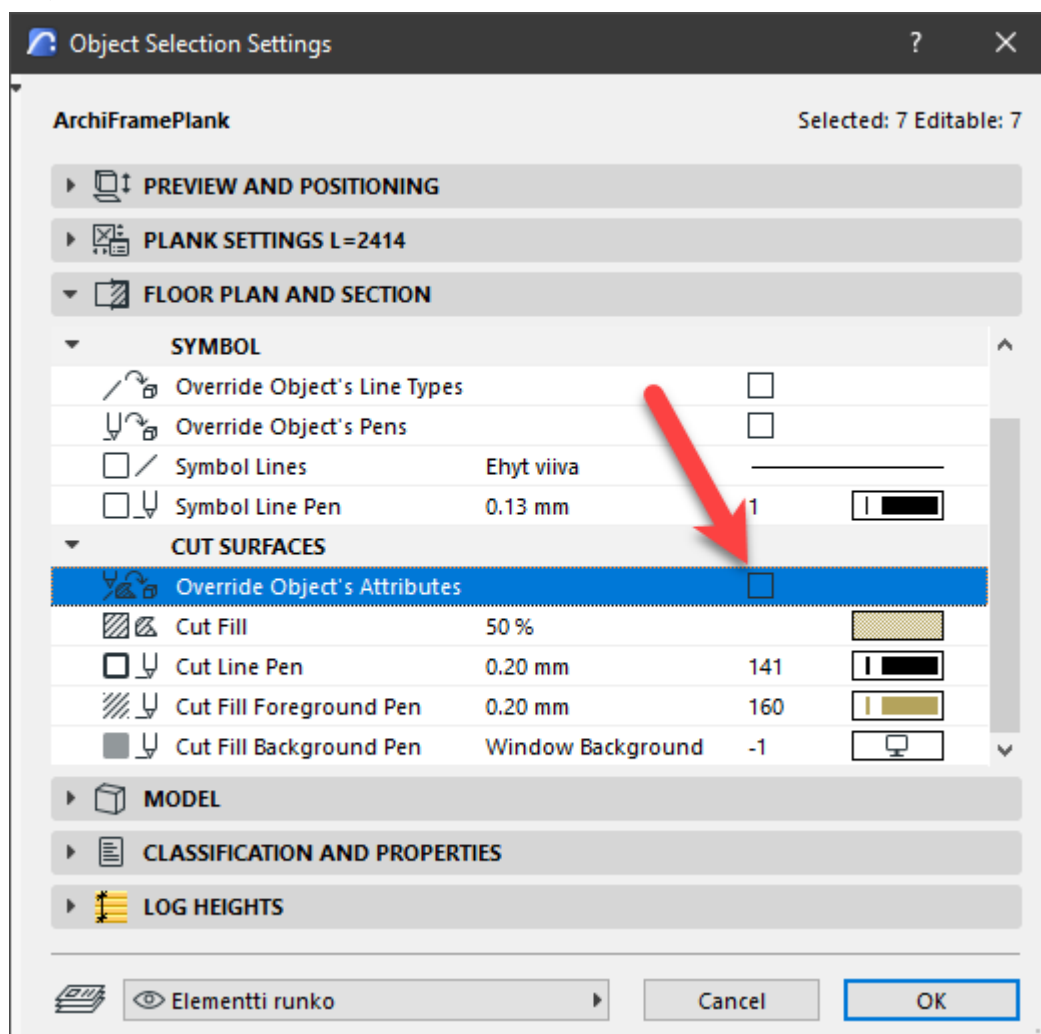
- Drawing kind of layouts now follow Archicad's drawing order:



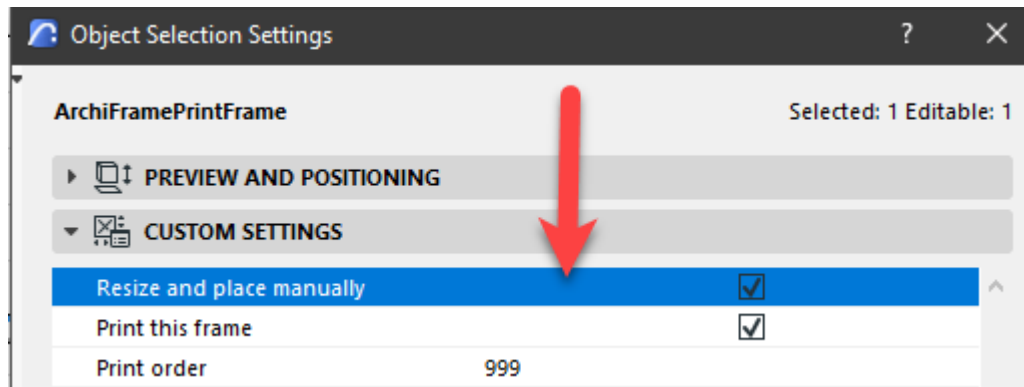
- New element elevation layout:



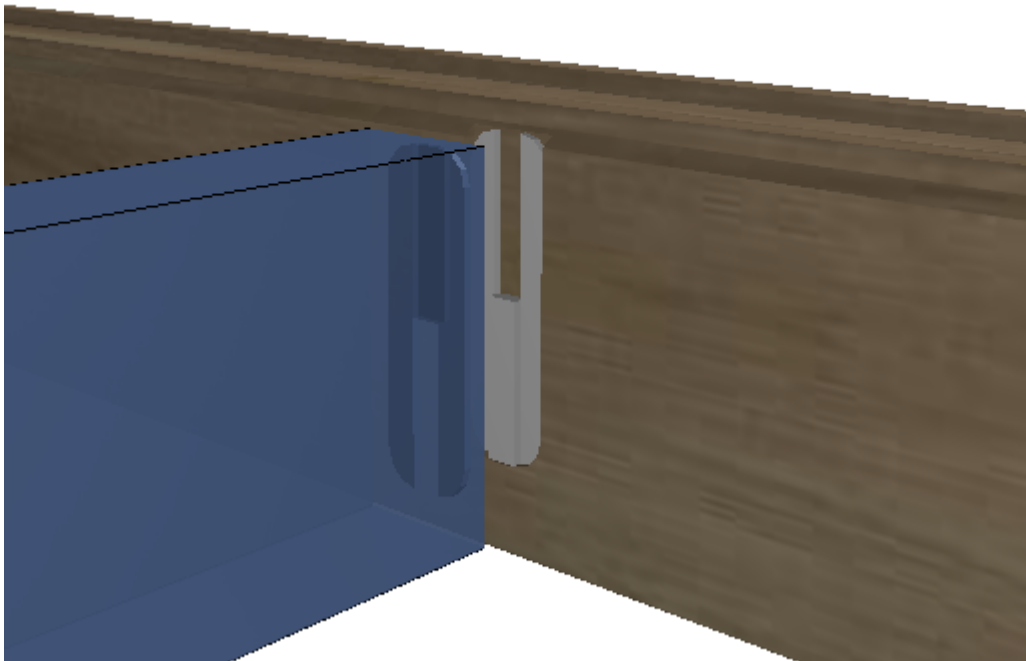
- Bvx-cnc-writer fixes
- All newly created boards now have this unchecked (for planks it is still checked and this can be changed from xml):



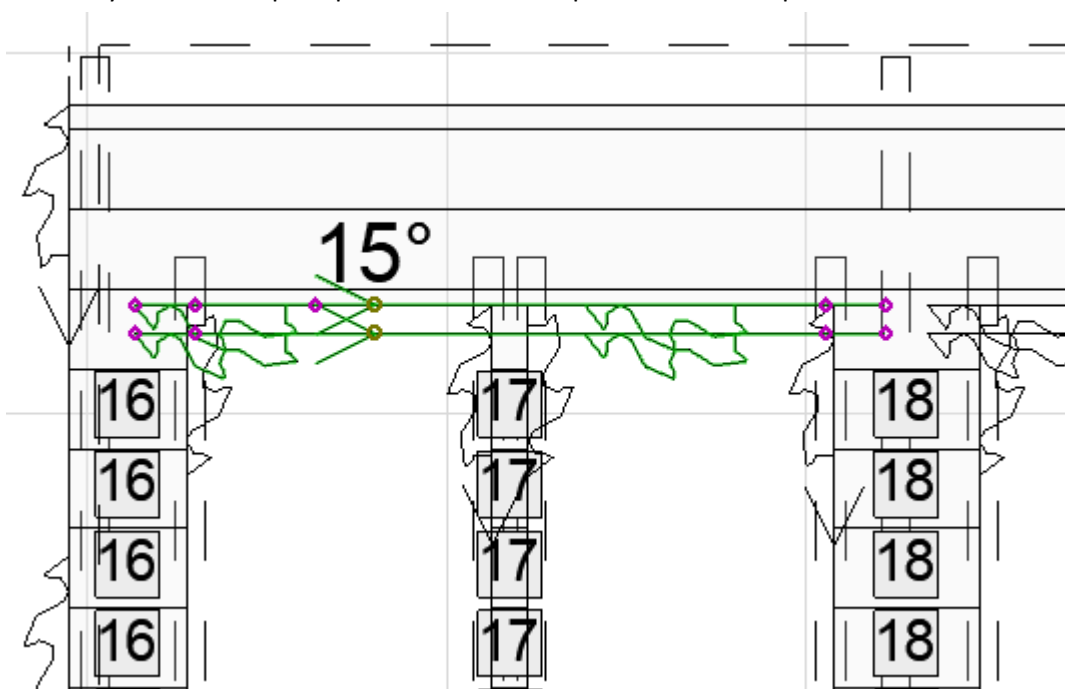
- ArchiFramePrintFrame now follows this setting also in sub-frames:



- Hobafix-joint:

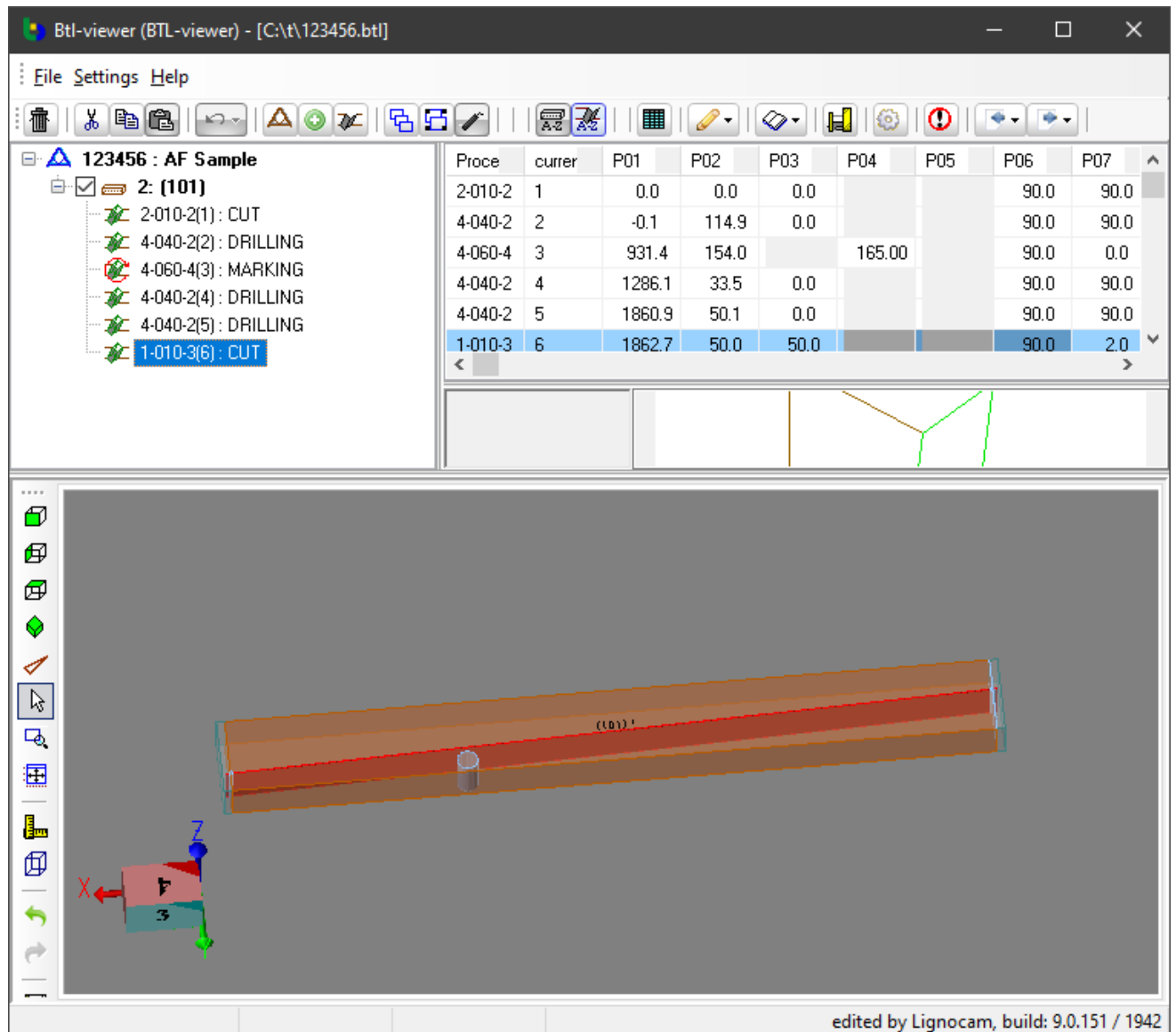


- Possibility to add a script to process saw cuts to produce for example this kind of cuts above openings:



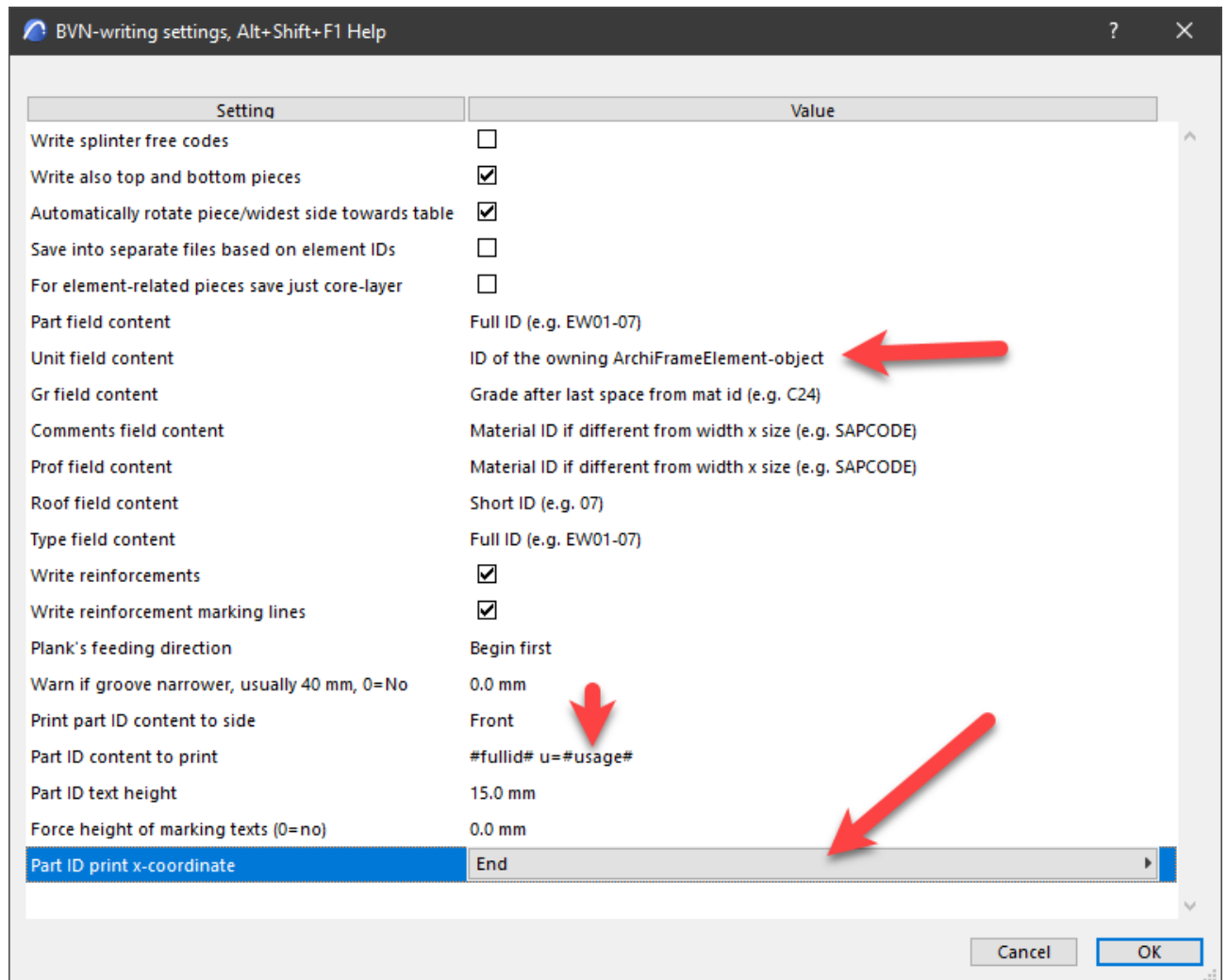
15th Nov 2021

- Portuguese language support
- Take full projection now fails less for split polygons.
- Weatheboards xml has new definition sideout="xxx", please see the manual.
- BTL-cnc-export long angled cut moved from end to begin of the plank if it has 90 deg top angle and just tilt angle:

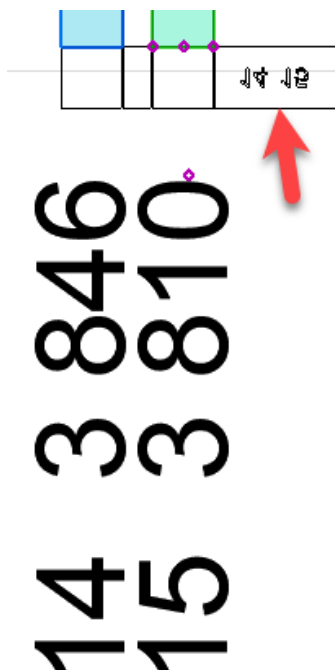


- Reinforcement may now extend over the plank. Earlier it was kept inside. It is removed if it does not intersect at least 1 mm with the plank.

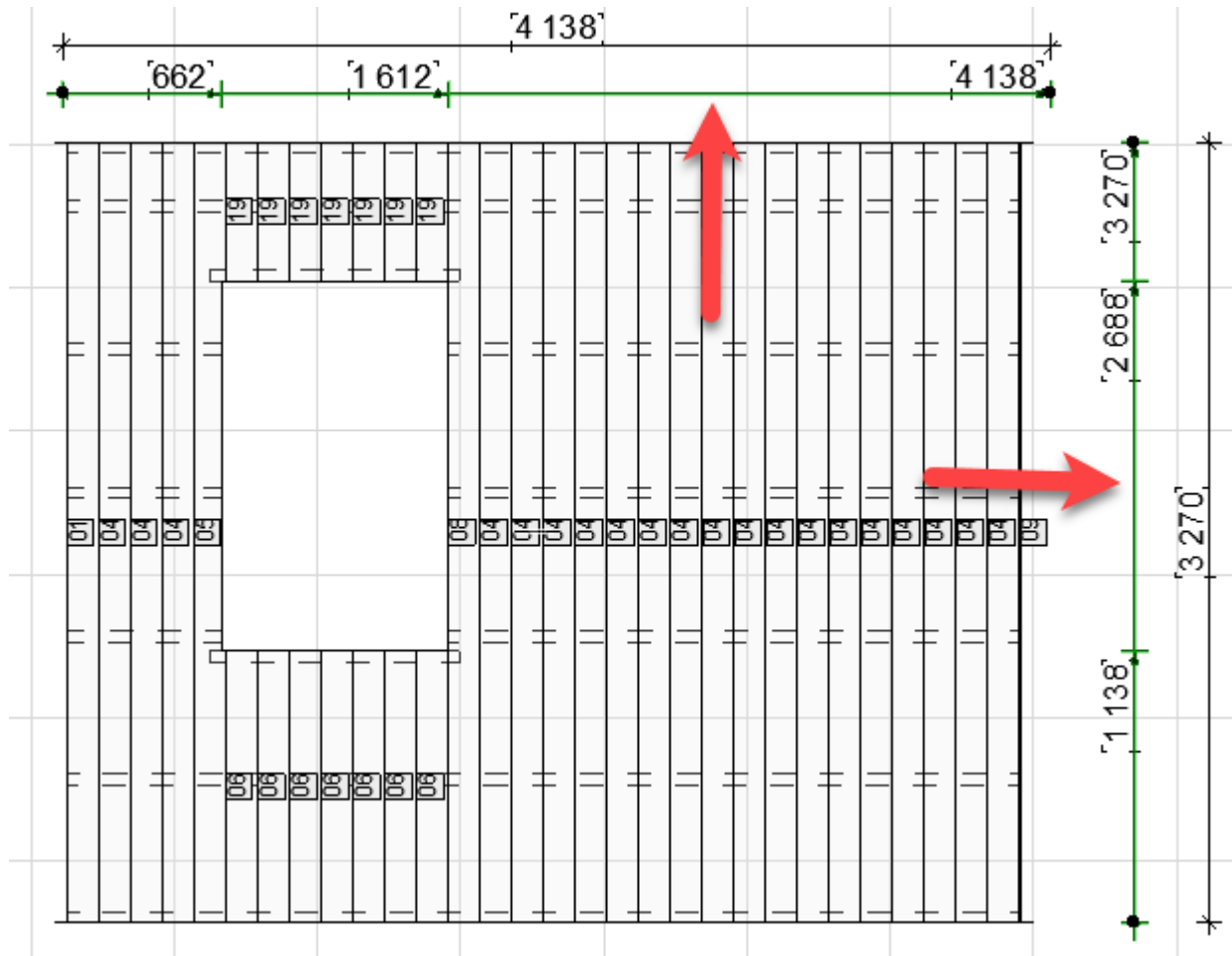
- New options for Hundegger bvN-saving:



- Element option Marking lines:
 - In multi-layer element there may have been the stud ID before and after updating the plank IDs
 - IDs may have been in wrong order if they had to be moved after the marking lines at beginning of the bottom plate:



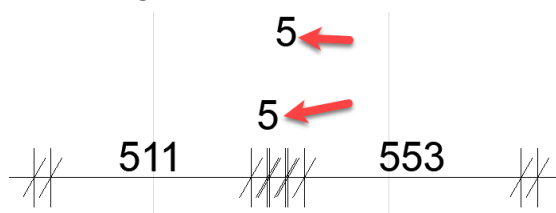
- ArchiFrameFascia bug fixes
- Zero depth section with dimension lines: dimension lines for others that the first horizontal framing type missed the framing.
- This dimension line and similar vertical now show just combined polygon corner points also after exploding cladding:



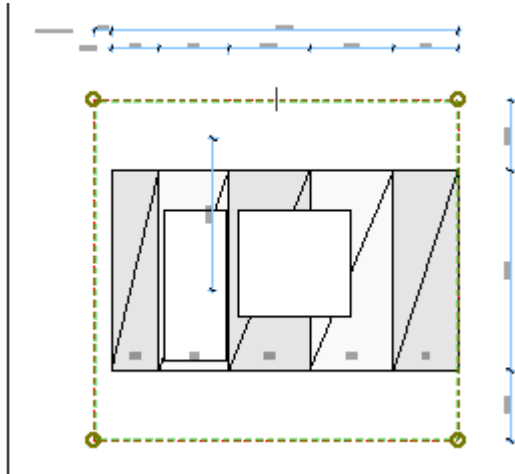
- ArchiFrameBoardPanel contour line when used as CLT not visible in some cases fixed.
- Hundegger CNC-output in bxv 2.0 format

23rd Sep 2021

- Insulation dimension line – no more values for width less than 15 mm (to avoid having dimensions for multiple studs next to each other with a small gap). The dim line is updated only for newly created elements or if existing dimension line is deleted first:

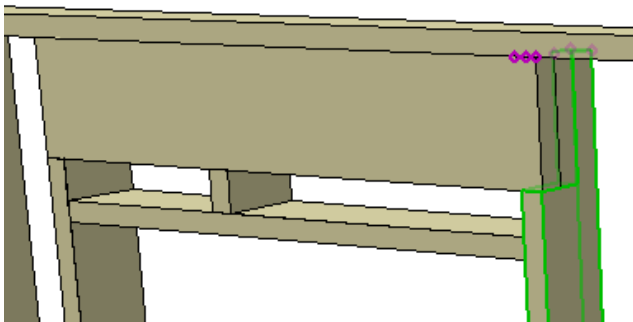


- If projections show core with lines, those lines are now taken into account when calculating the projection's bounding box. Affects space between the projections and dimension lines and overall layout:

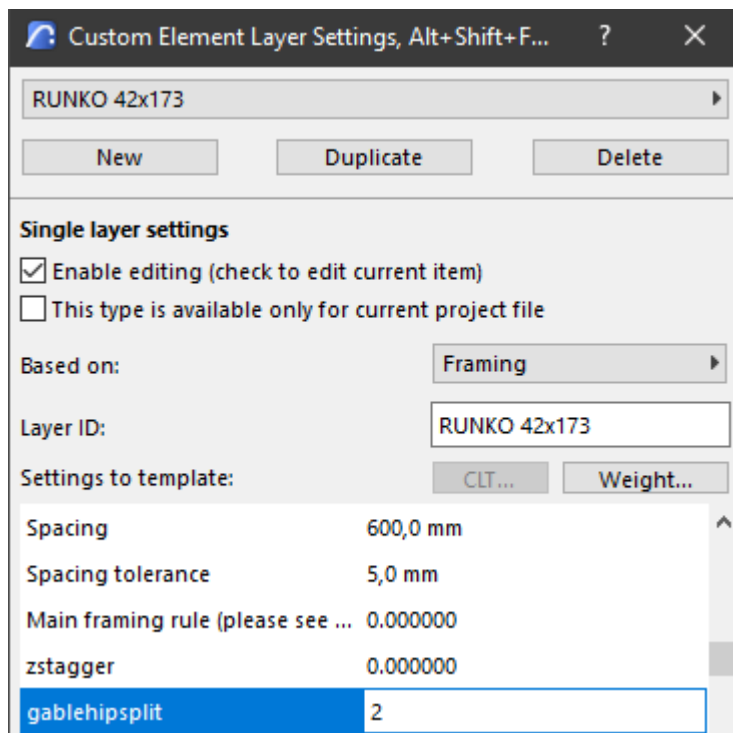


20th September 2020

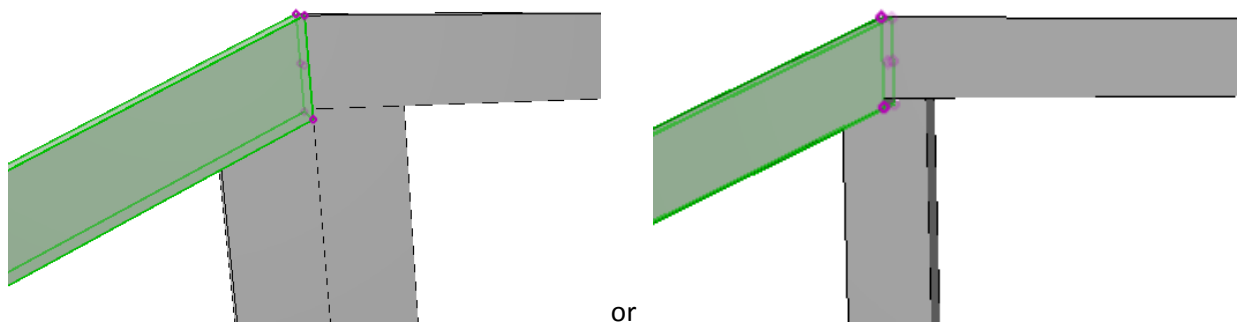
- Lintel with zero additional stud now extend lintels over the existing studs and makes grooves:



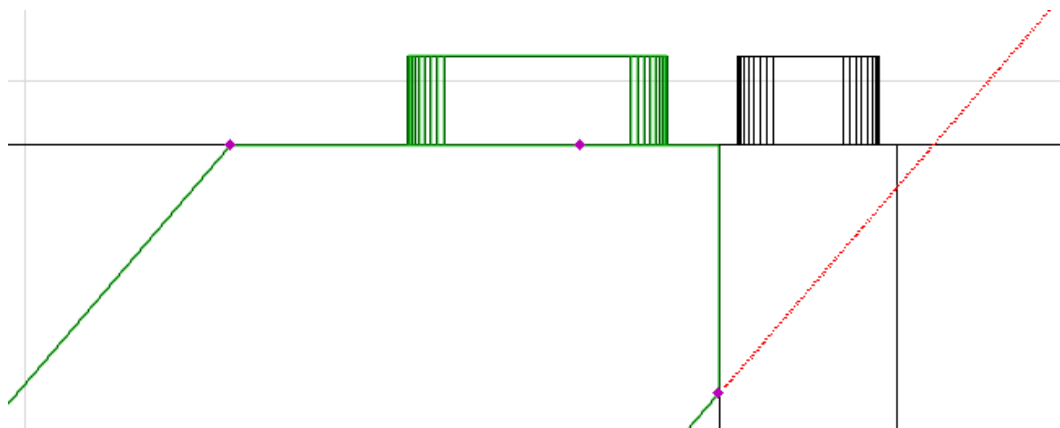
- New setting to framing layers, please search term gablehipsplitt from the online manual:



- Related to previous – added framing rule to trim angled part to straight top:



- Tenon & mortise allows now two connections like below:



13th September 2021

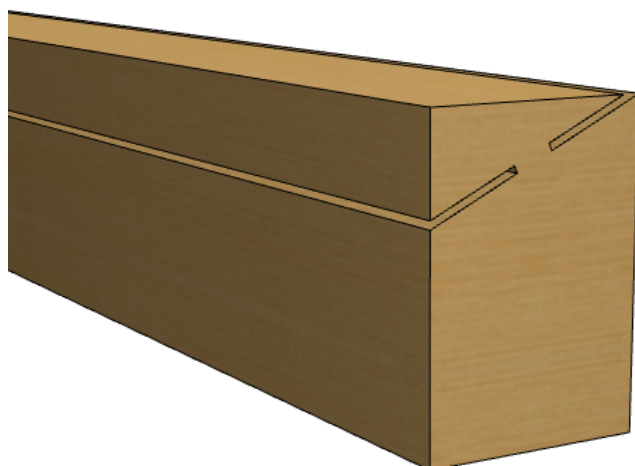
- When copy&mirror existing element, vertical cladding may have appeared inside out.
- Summary listing failed if element layer did not have any planks nor boards.

6th September 2021

- CNC: Btl-writer now writes also non-element boards into the resulting file(s).
- Dimension drawings may have left EDITED UPDATE-text to newly created drawings
- In some models, ARCHICAD crashed when copy & pasting associative labels.

1st September 2021

- ARCHICAD 25 supported
- Hundegger bvn-saving: Angled lengthwise small groove may have been written incorrectly:



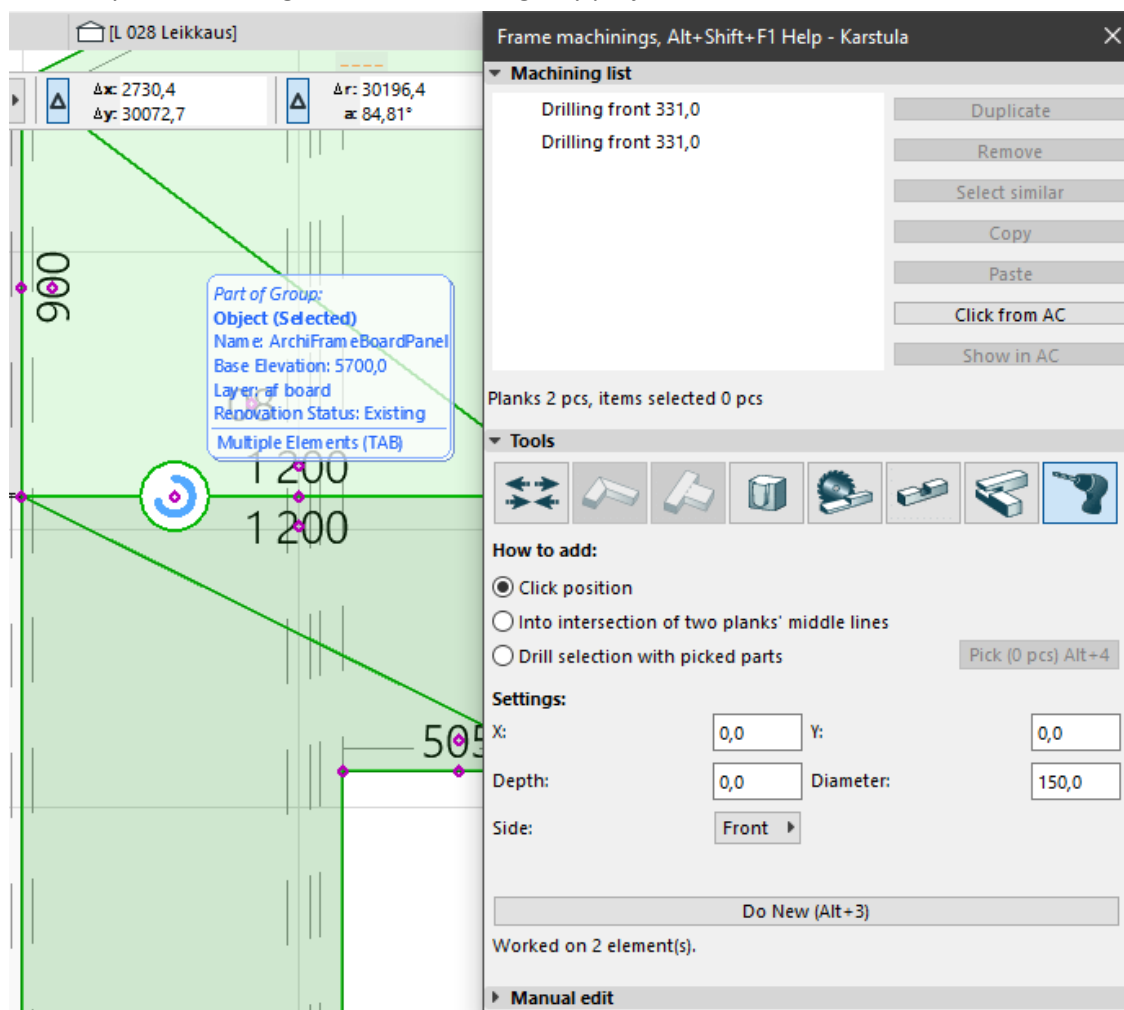
- Board [edge machinings](#) and [connection](#) tool added.

16th August 2021

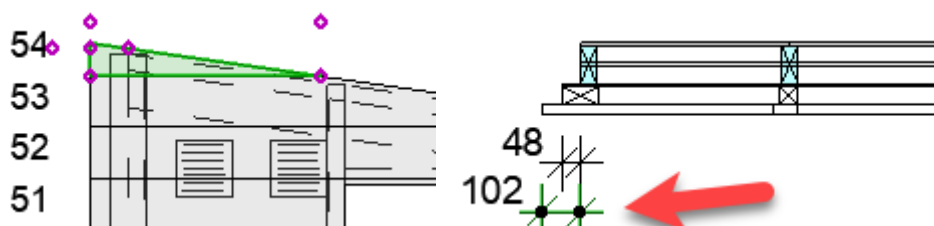
- Insulation may have caused extra opening dimension lines to the element elevations, fixed.
- ArchiFramePrintFrame pen was not set from ArchiFrameBlocks.xml (beta problem), now applied also to the subframes (also in the latest official release).
- Creating layouts may have failed (bug in previous beta-version)
- Zero gap between element elevations came in some beta version, fixed.

2nd June 2021

- Greatly improved Dimension drawings, please see the tool palette and online help.
- Possibility to add drilling in element drawing/any projection:



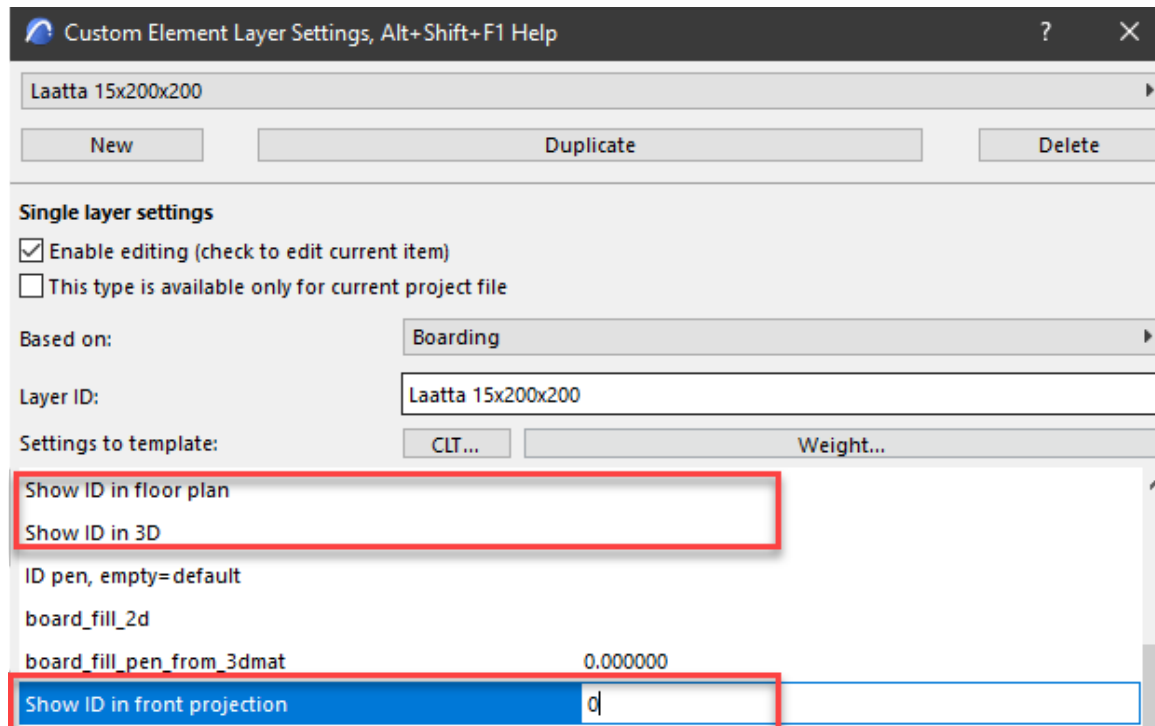
- Element tool/Update element openings stopped working at some beta-version – fixed now.
- Sometimes (cladding) piece like this caused layer offset dimension line to be incorrect:



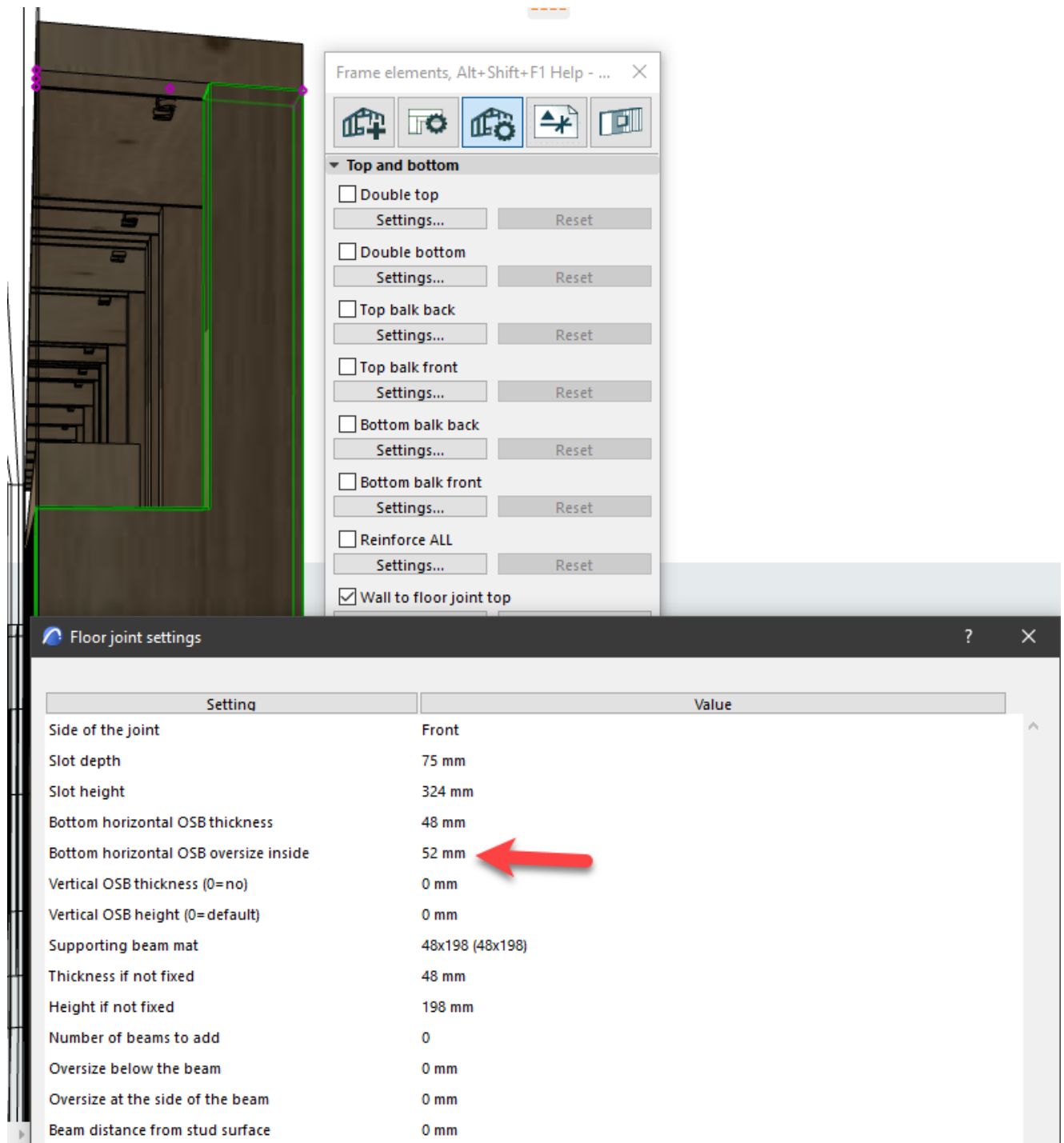
- Composite elements: If two layers were at same distance looked from element's watching direction, the layer reading order was random. Now ArchiFrame sets the order according to the element's type definition.
- Force oversizes was not working for all windows starting from 12th March beta-version.
- Nailings can be offset from center of the plank, please see help from nailings dialog.

7th June 2021

- Added settings to set ID on/off for boards in own element type layers:

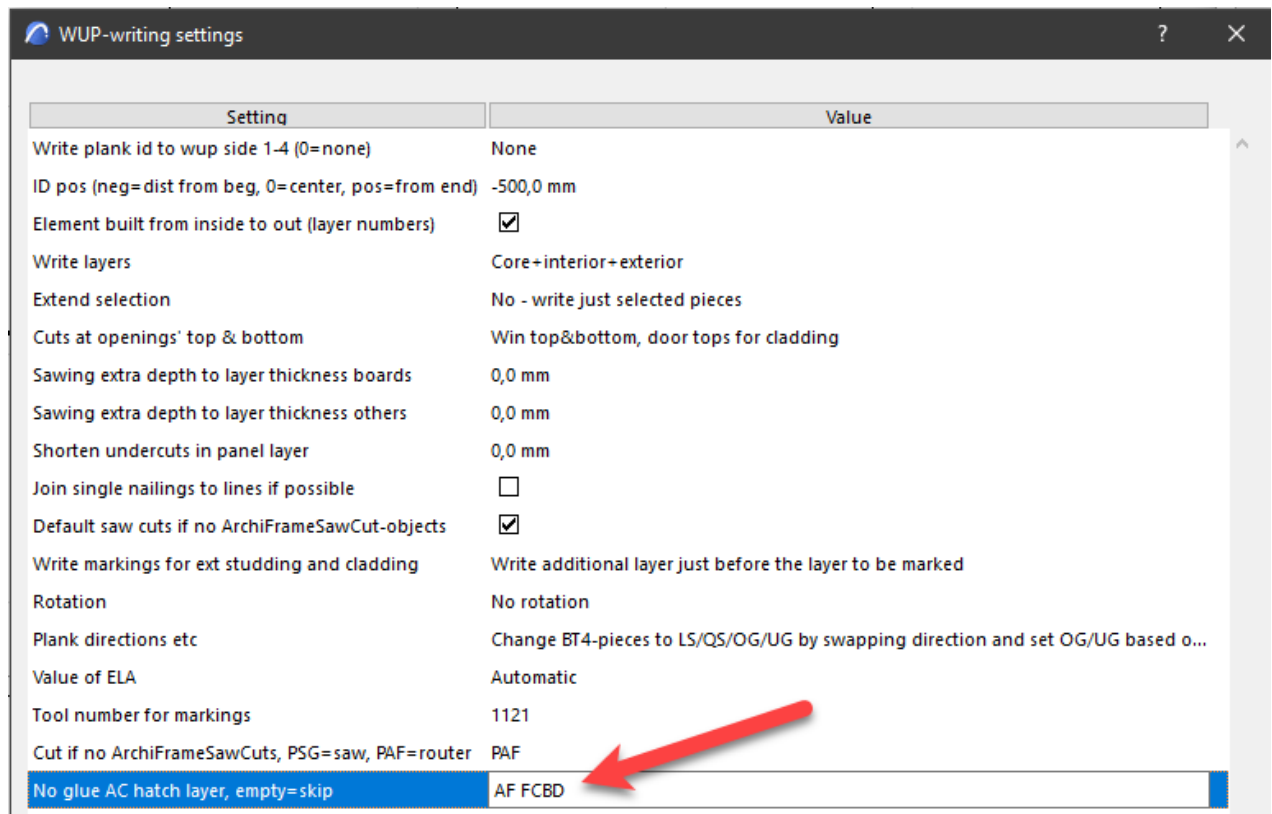


- New setting to this option:



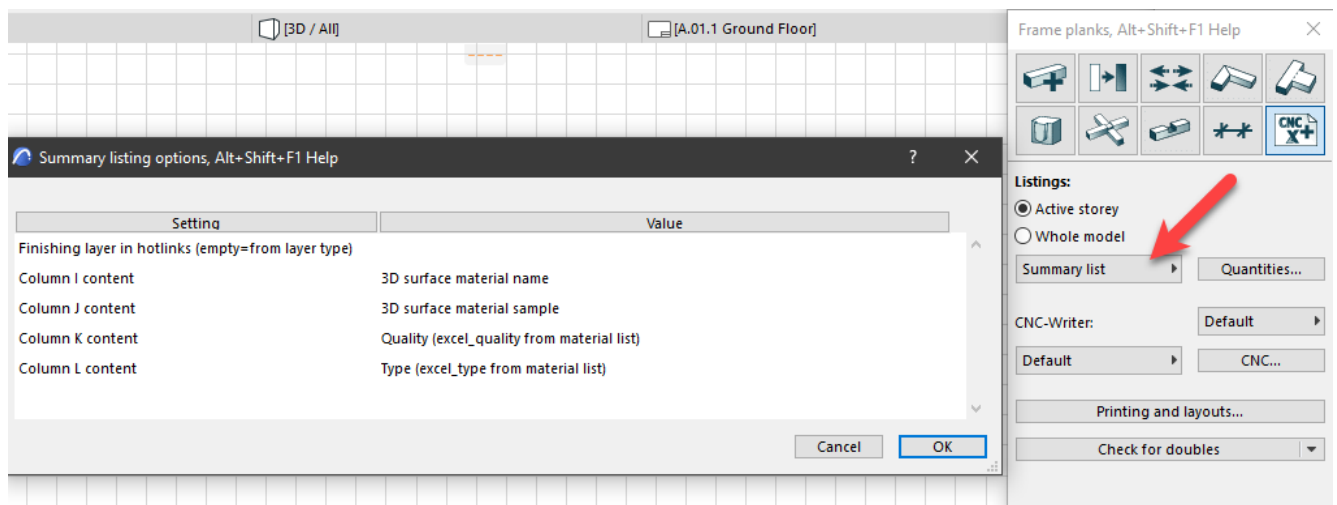
- Force oversizes:
 - Worked to made oversizes smaller only if doors were forced and windows not
 - Oversizes in Cad Image openings work now. Forcing oversizes unfortunately not.

- Wup-cnc: New option, please press Alt+Shift+F1 for more help:

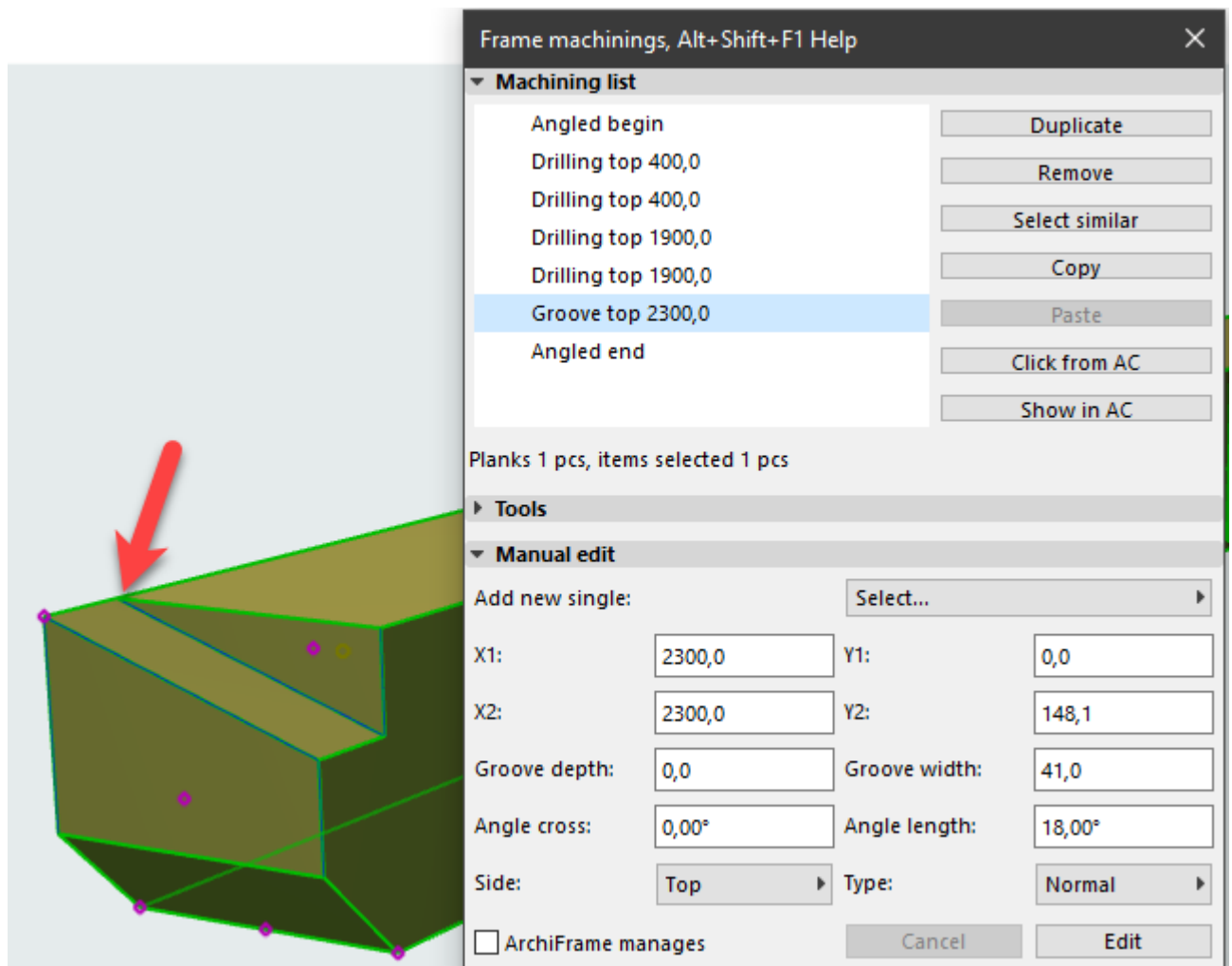


18th May 2021

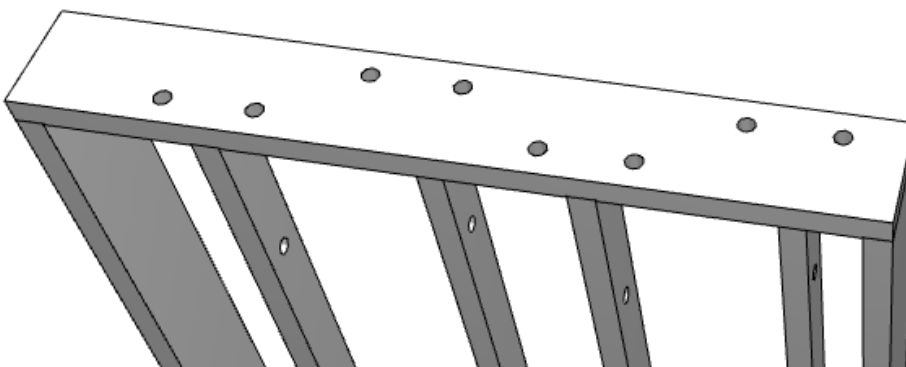
- New options in summary listing (Alt+Shift+F1 for more info):



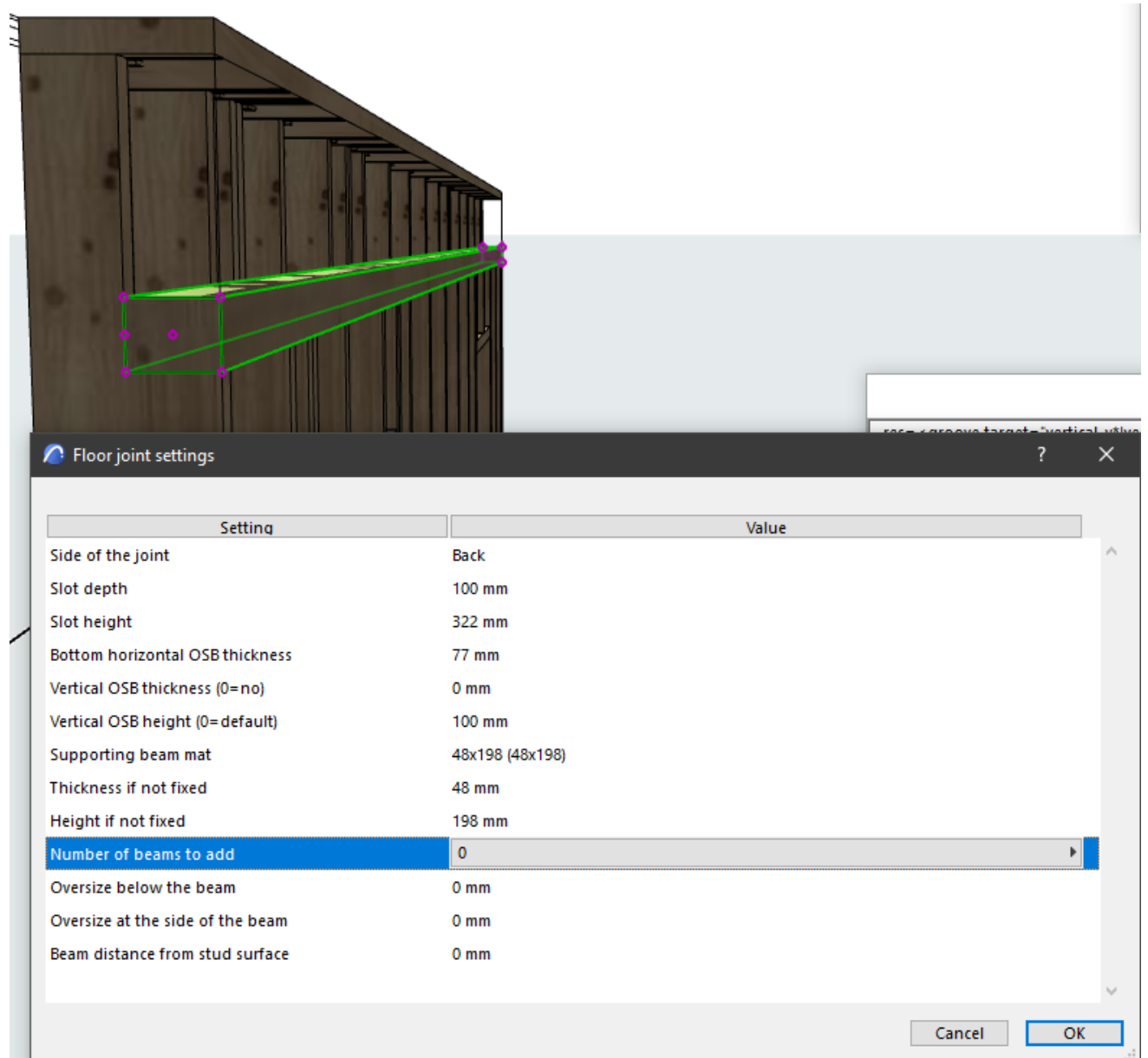
- Hundegger bv: Tilted groove that had zero depth at either end was interpreted wrongly in k2.exe. Now ArchiFrame sets the depth to 0,1 mm:



- Excel listings: Column with angle -90 degrees pointing downwards were listed with incorrect length.
- Exploding insulation failed sometimes if insulation z-offset was non-zero.
- Windows: Excel-connection libxl.dll is now loaded with Unicode character set – no more messages about failing to load it in countries using full Unicode character set in path names.
- Lifting drills now works with zstaggering putting the top plate drillings to the middle of the related stud:



- Floor joint: Added possibility to set this setting to zero to have just the “osb” at the bottom of the groove:

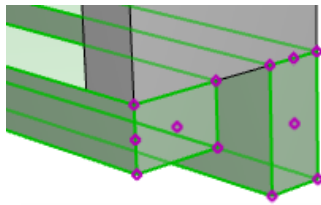


- 27th April version broke copying connected operations with Drag & Copy or similar operation. Fixed now.

27th April 2021

- ArchiFrame-listings are now fully Unicode. There were some special characters like åäö that failed in some cases.
- Added new listing *Element amount of work listing*, please see help (Alt+Shift+F1 at listings tool for more information)
- Small weatherboard additions

- New settings to element split bottom:



☐ Wall to floor joint top
 Settings... Reset

☒ Split bottom
 Settings... Reset

☐ Automatic cut top and bottom
 Settings... Reset

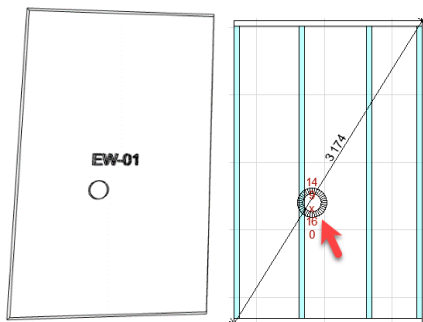
Split materials

Setting	Value
Material front	48x73 (48x73)
Material back	48x98 (48x98)
Rotate front 90 deg	☐
Rotate back 90 deg	☒

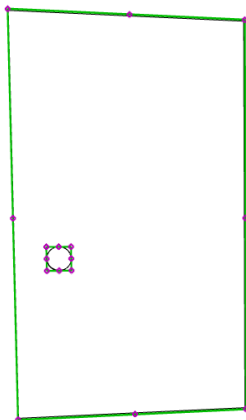
- Insulation can be exploded, more info [here](#).

23rd Feb 2021

- Presets import & export fixed
- Round hole in a source element can be converted to bounding rectangle, before (please search for text circle_to_rect_max_diameter from the manual):



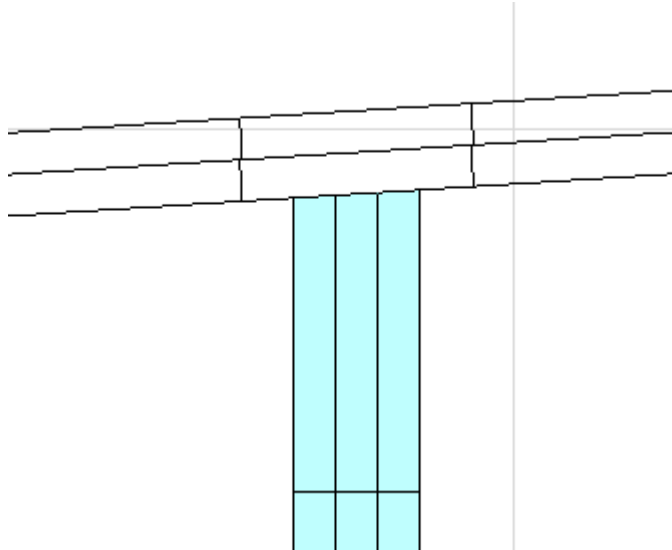
After:



- Weatherboard logic additions

4th Feb 2021

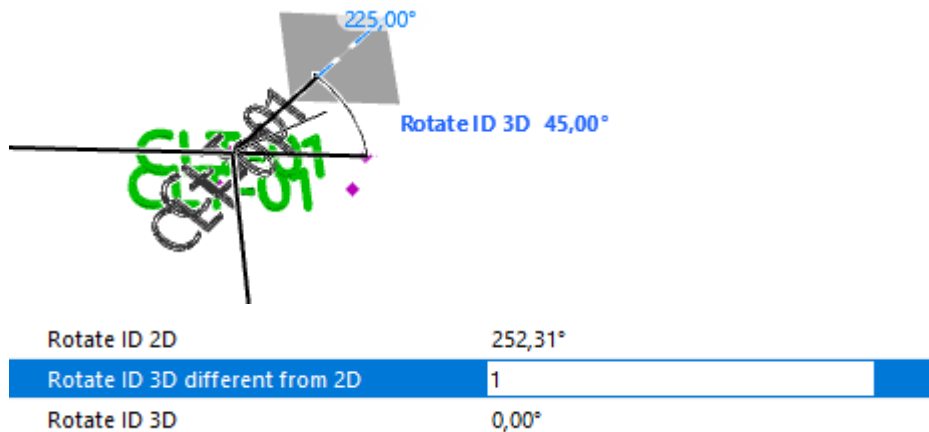
- Lifting drillings changed to be wall top specific and now it handles also multiple studs and angled top plate(s):



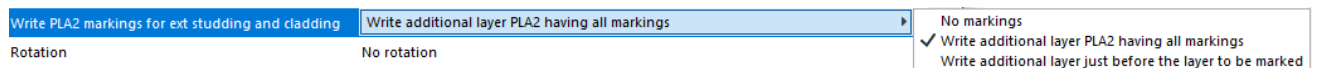
- CLT projections showed wrong side marking text (front/back projections)

28th Jan 2021

- ArchiFrameElement ID can be rotated in 3D independent from 2D. By default, 3D rotation is following 2D rotation if the element is not vertical (tilt angle not between 70...120 deg):

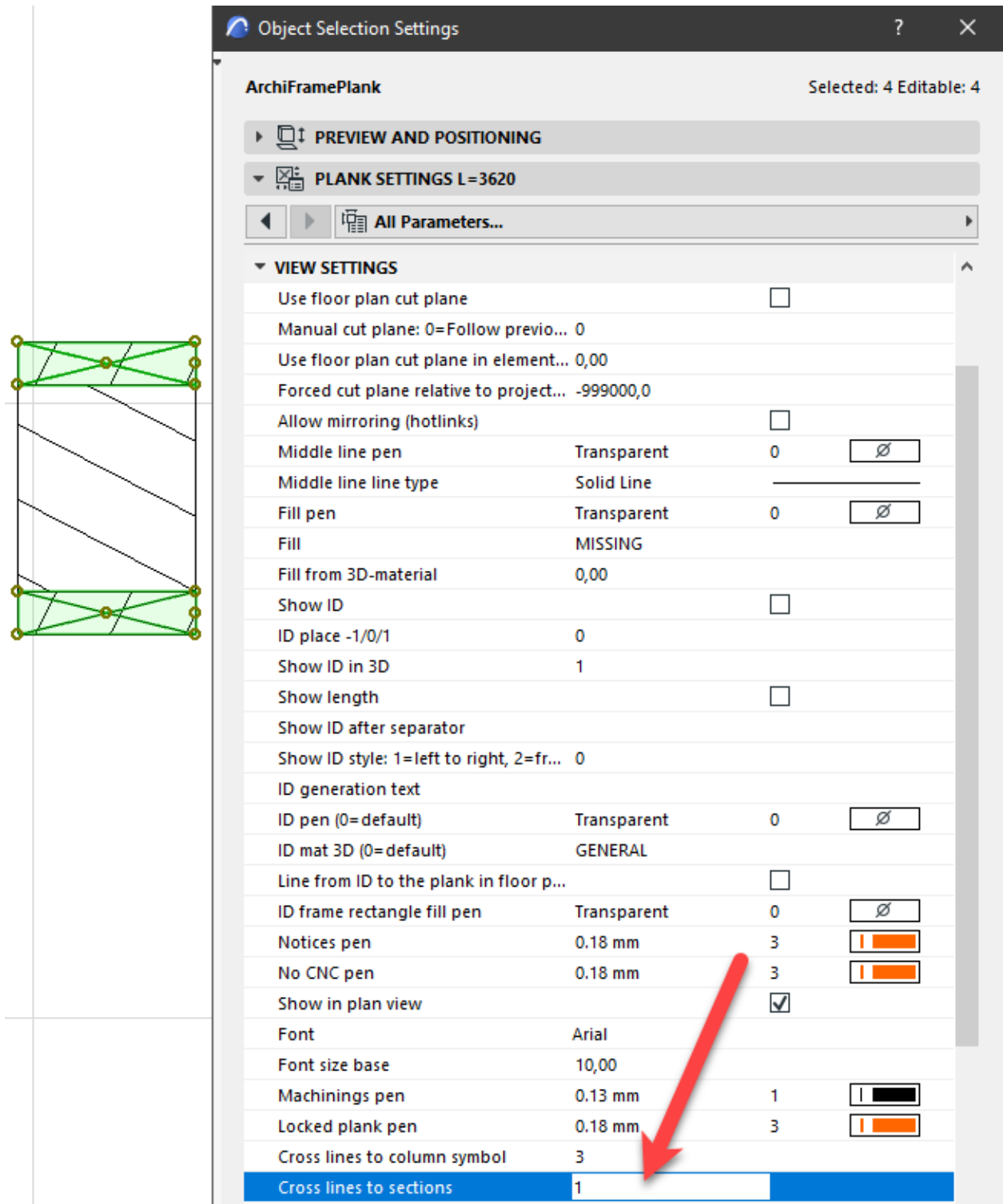


- Wup-writing: New option for markings:



- Dimensioning tool: Now finds correct place for ArchiFrameTruss-object.

- This setting now affects perpendicular AF-sections in addition to AC-sections:



Object Selection Settings ? X

ArchiFramePlank Selected: 4 Editable: 4

▸ **PREVIEW AND POSITIONING**

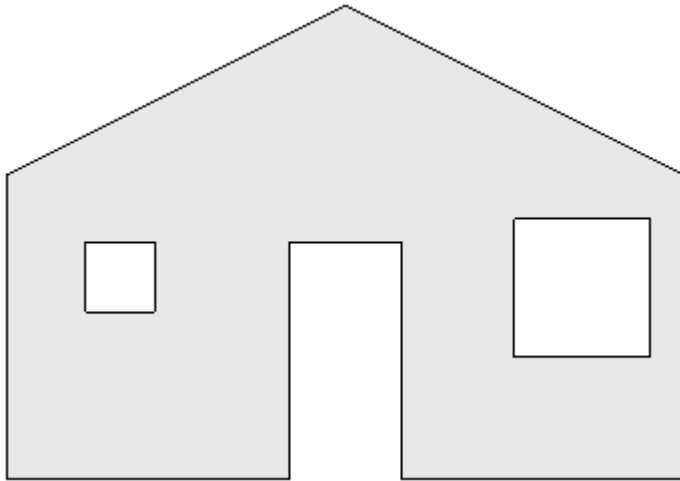
▾ **PLANK SETTINGS L=3620**

◀ ▶ **All Parameters...** ▶

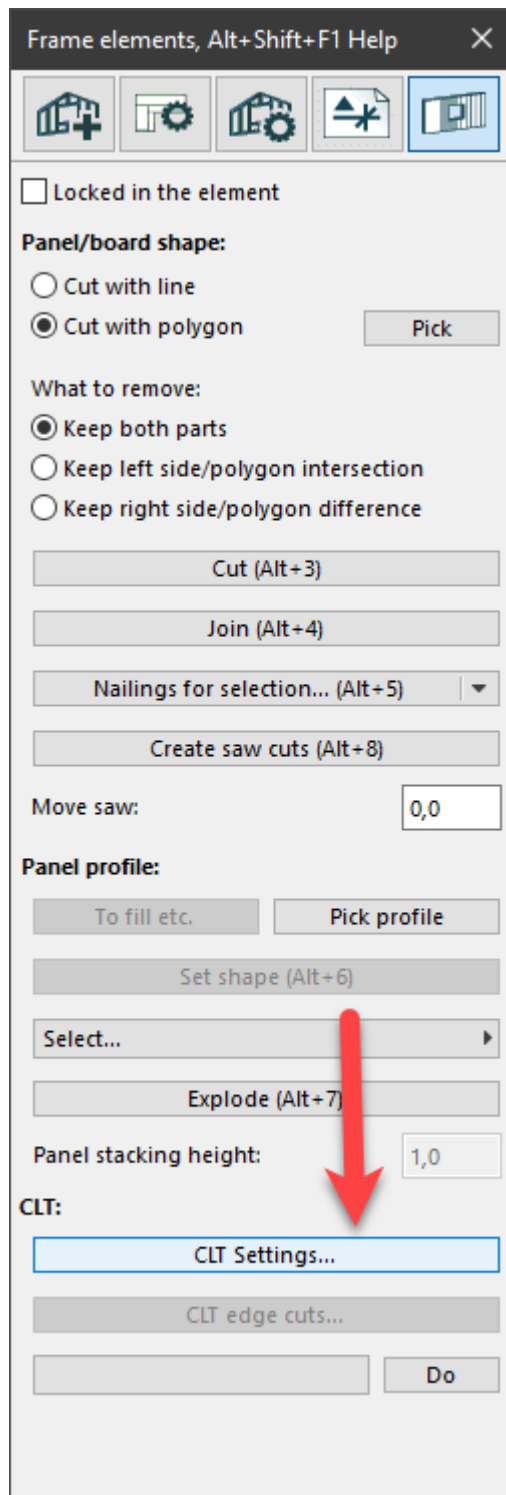
▾ **VIEW SETTINGS** ^

Use floor plan cut plane		☐	
Manual cut plane: 0=Follow previo...	0		
Use floor plan cut plane in element...	0,00		
Forced cut plane relative to project...	-999000,0		
Allow mirroring (hotlinks)		☐	
Middle line pen	Transparent	0	
Middle line line type	Solid Line		
Fill pen	Transparent	0	
Fill	MISSING		
Fill from 3D-material	0,00		
Show ID		☐	
ID place -1/0/1	0		
Show ID in 3D	1		
Show length		☐	
Show ID after separator			
Show ID style: 1=left to right, 2=fr...	0		
ID generation text			
ID pen (0=default)	Transparent	0	
ID mat 3D (0=default)	GENERAL		
Line from ID to the plank in floor p...		☐	
ID frame rectangle fill pen	Transparent	0	
Notices pen	0.18 mm	3	
No CNC pen	0.18 mm	3	
Show in plan view		☒	
Font	Arial		
Font size base	10,00		
Machinings pen	0.13 mm	1	
Locked plank pen	0.18 mm	3	
Cross lines to column symbol	3		
Cross lines to sections	1		

- Dragging hotspot of ArchiFrameElement in floor plan was limited to the first opening side – now can be freely dragged. For example, here dragging was limited to the first openings at left and right.

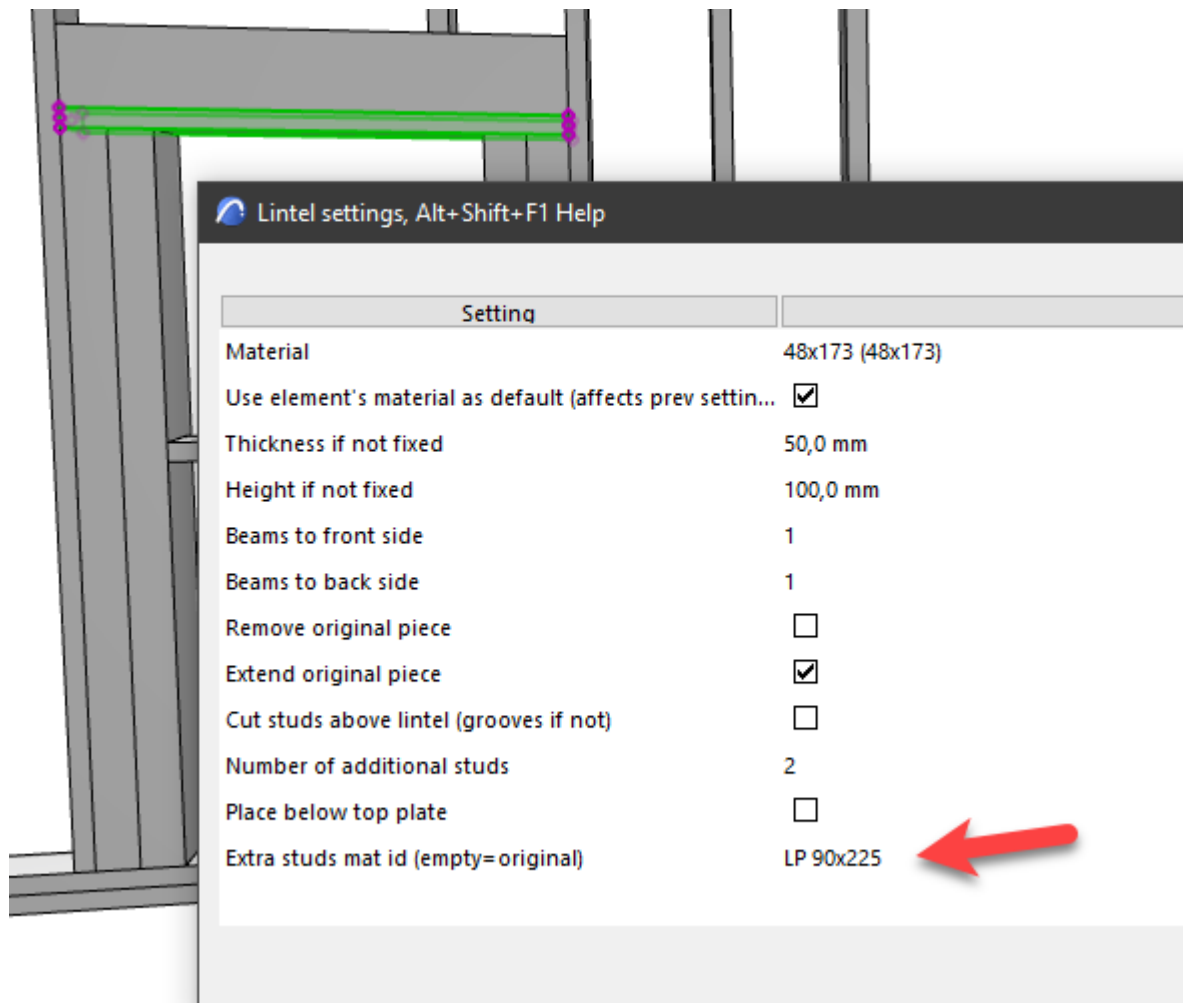


- CLT settings dialog introduced, please see context sensitive help from CLT Settings dialog (Alt+Shift+F1 in Win and Option+Shift+F1 in Mac):



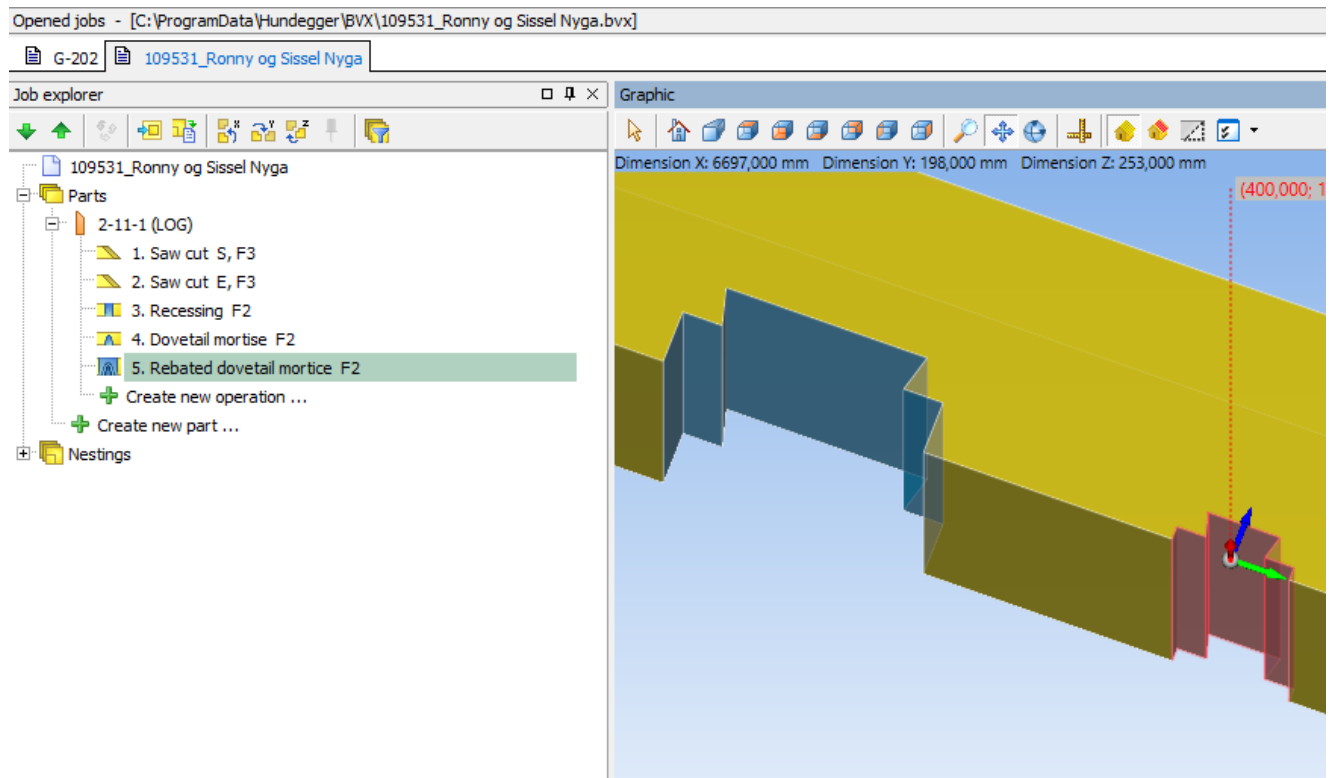
11th Dec 2020

- Lintels: Fixed a bug in previous release and settings to use different material for the additional pieces:

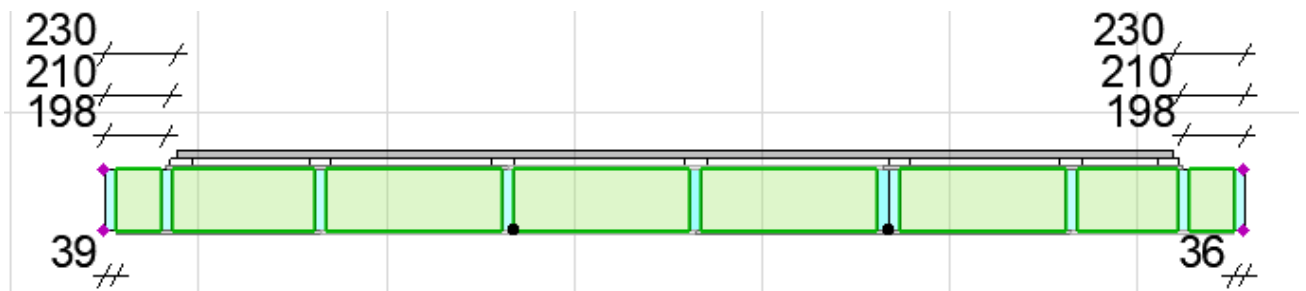


- Planks/Give IDs: Now it handles only elements it can set the ID to. Earlier the operation may have stopped to an error message if having for example ArchiFramePrintFrame in selection.
- Hundegger bvn: Housed DT-mortise written with code 1723 instead of groove + normal DT mortise code, appears as Rebated dovetail mortice in Cambium. However, the housing is still made with separate

operation:

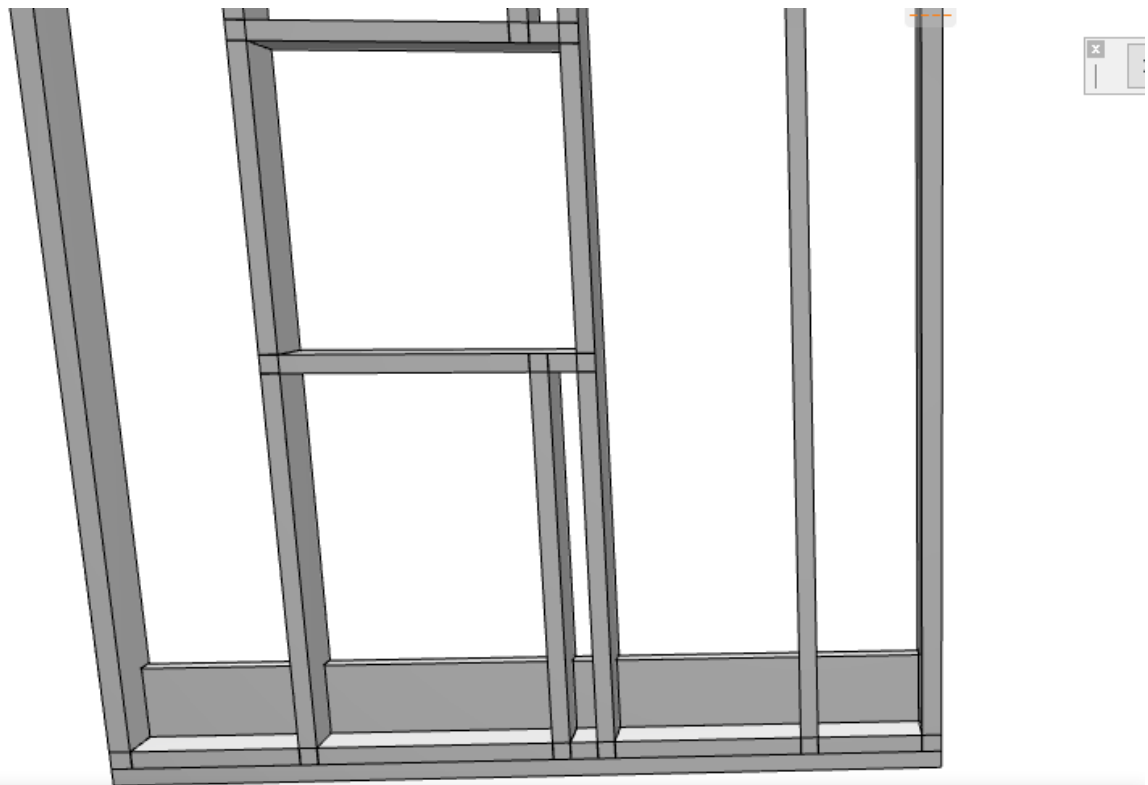


- Data_NOR: Added top dim lines layer offsets to every place it is used:



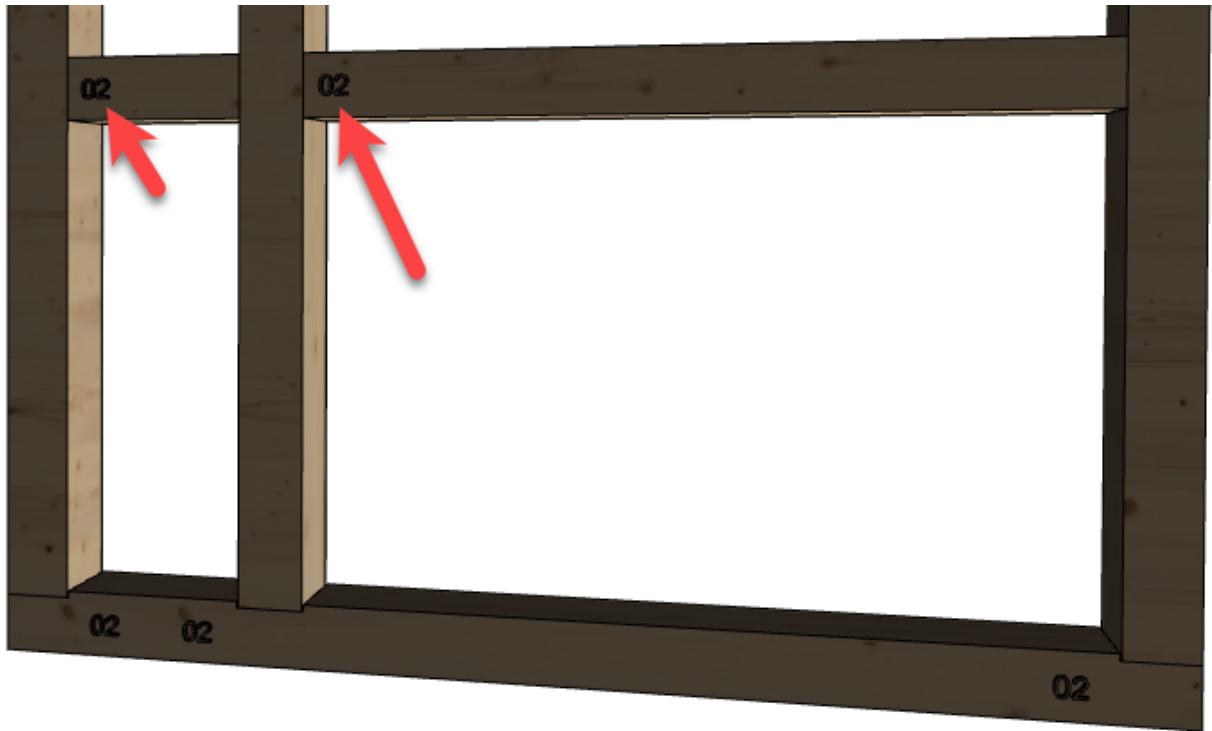
6th Dec 2020

- Markings, fixed settings side not affecting studs next to openings and opening horizontal pieces may have missed the markings:

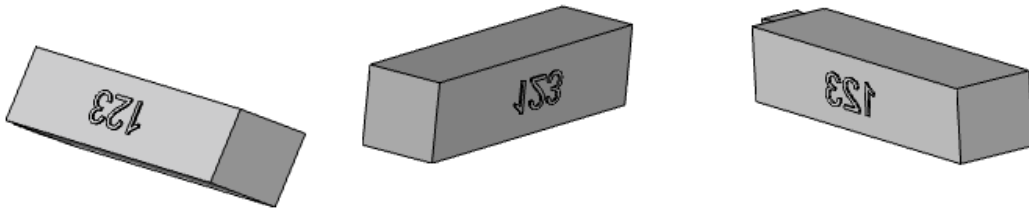


Markings settings, Alt+Shift+F1 Help			
Setting		Value	
Lines bottom	☒		
Stud ID bottom	☐		
Lines top	☒		
Stud ID top	☐		
Stud ID bottom placement		3 Calculate position not to be under any stud	
Stud ID top placement		3 Calculate position not to be under any stud	
Mark opening pieces	☒		
Mark openings to bottom	☒		
Mark neighbours to bottom	☐		
Force side top		4 Bottom	
Force side bottom, opening and connecting		4 Bottom	
Mark connecting pieces	☐		

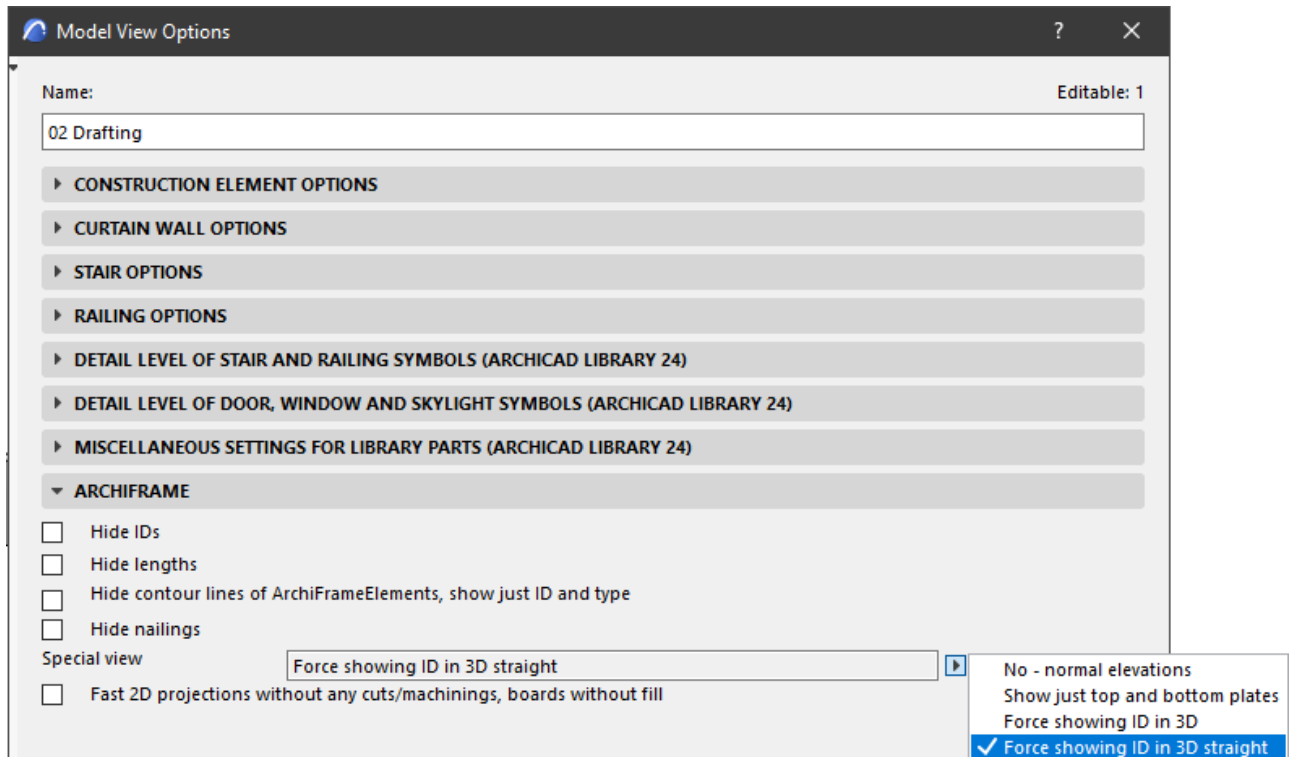
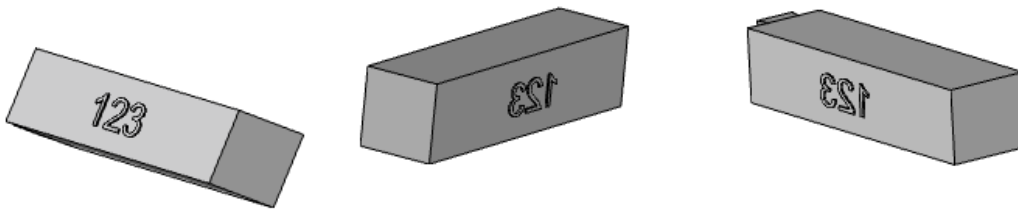
- Markings, noggins got stud IDs – not any more:



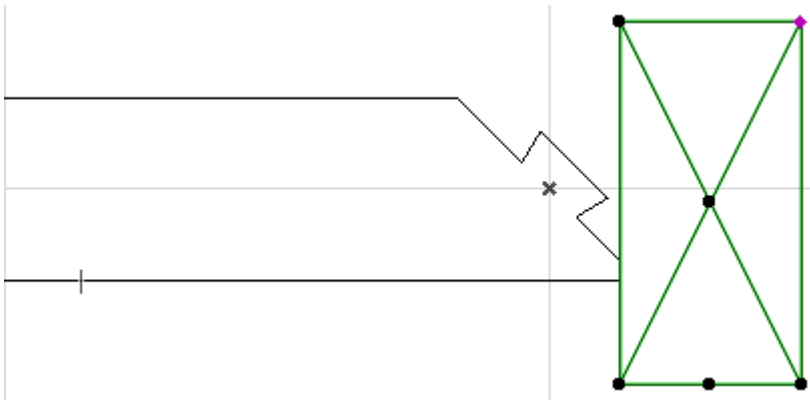
- New Model view option to have the plank IDs better readable, normal:



Option selected:

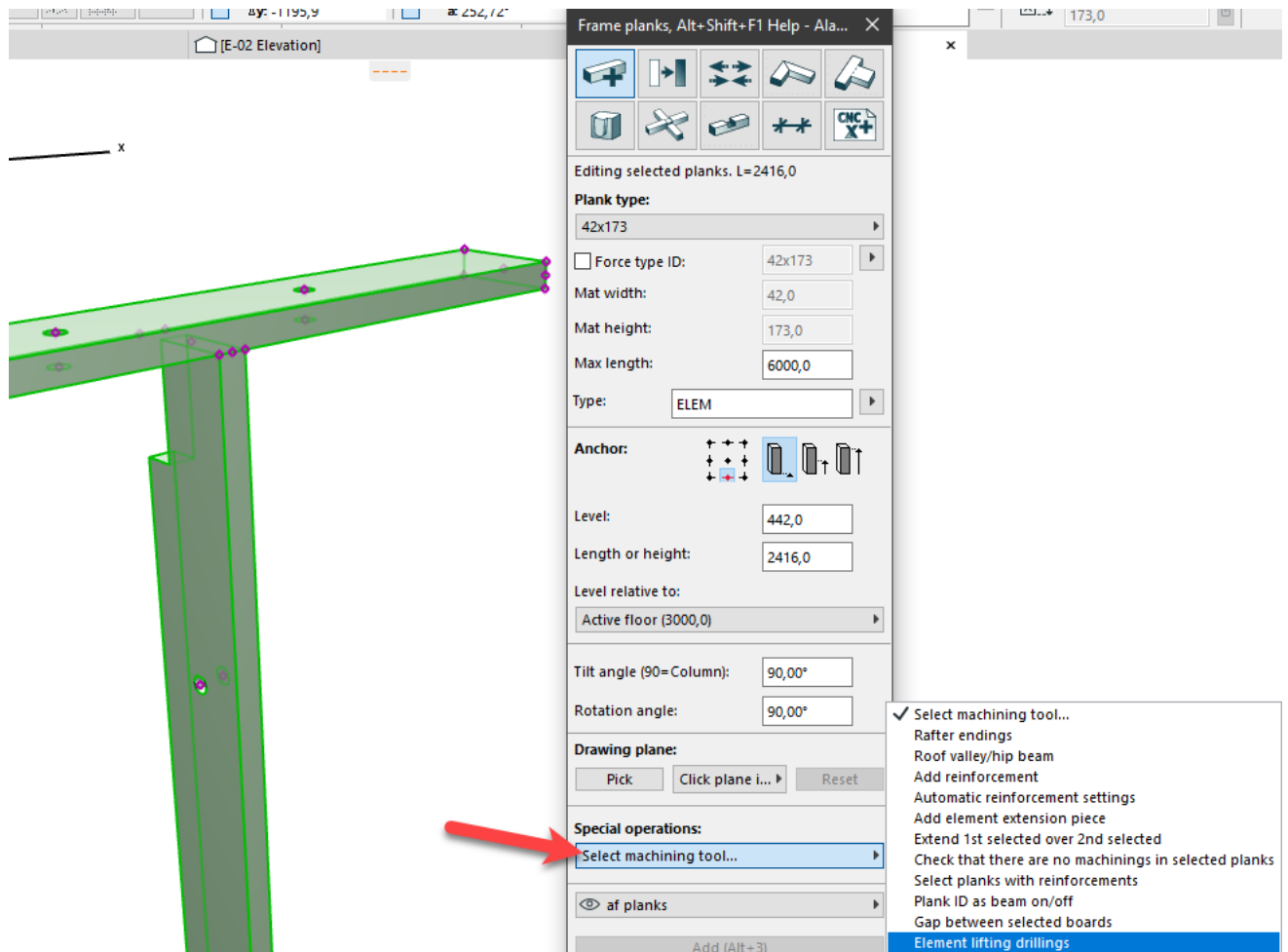


- Groove tool cutting the target removed all existing cuts – now it removes the ones behind the new cutting plane:

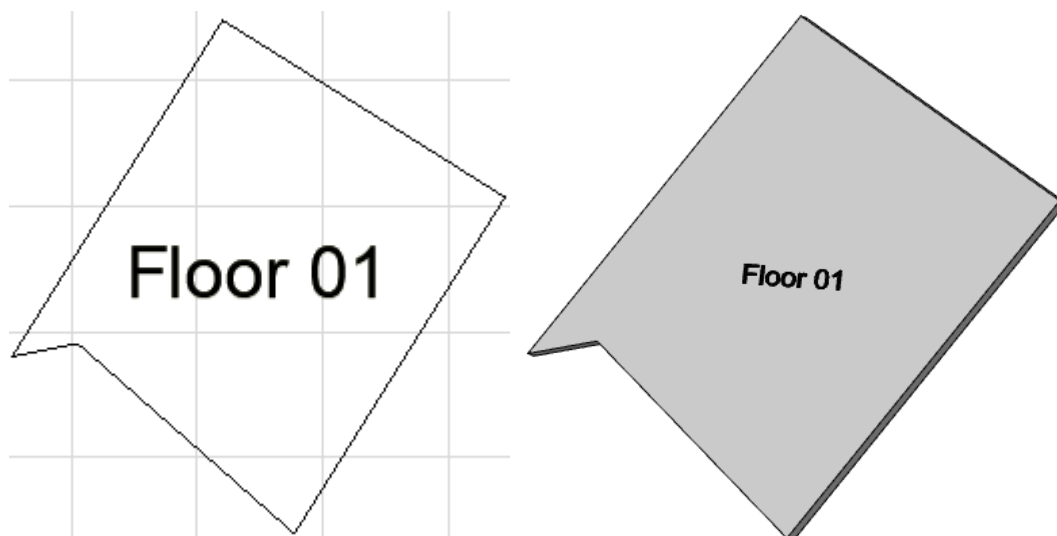


- Trusses: Bug causing crash sometimes when creating truss dimension drawing fixed.

- New automation tool:



- ArchiFrameElement ID rotation now also affects 3D:



- Data_NOR: Some term changes plus added more Norwegian translations to cut lists.

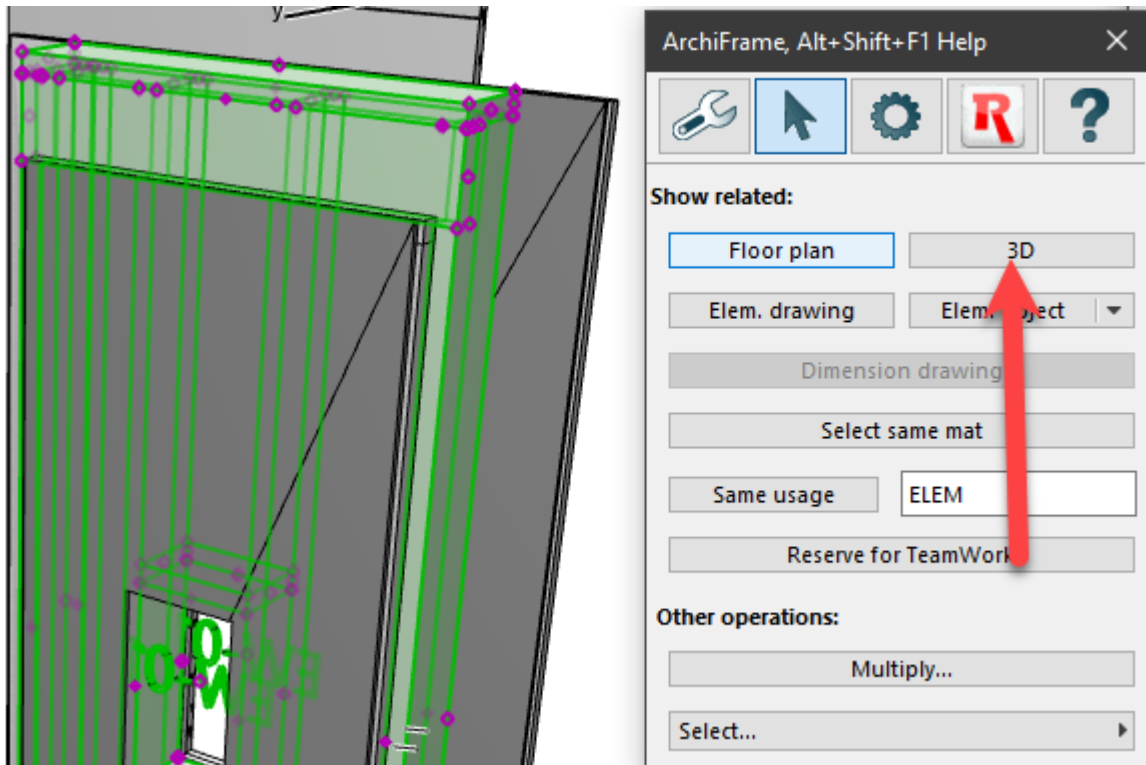
4th Nov 2020

- Summary listing in hotlink master: New setting to allow detecting finishing parts. Also now skips exploded ArchiFrameBoardPanel-object not to calculate cladding twice. Please press Alt+Shift+F1 for help.
- Grooves: Any Archicad-object can be picked as cutting operator. Its rotation angle, A, B and zzyzx-parameters define its shape. Not all objects work with this assumption.

- Element projections can be zoomed freely. For example

30th October 2020

- Copying whole element did not cut studs away from insulation.
- Old bug related to grouping the planks in multilayer element is now fixed.
- 3D-button in the selection tool can now be used to select the planks of selected ArchiFrameElement:



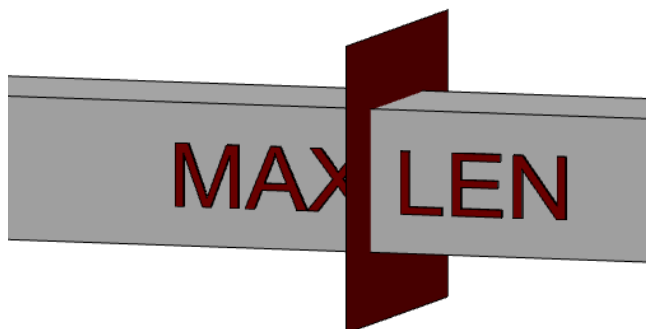
- Combine elements, please see video <https://youtu.be/TfuuZhaJztl>

19th October 2020

- Mortise/DT pocket at the end of the piece did not work

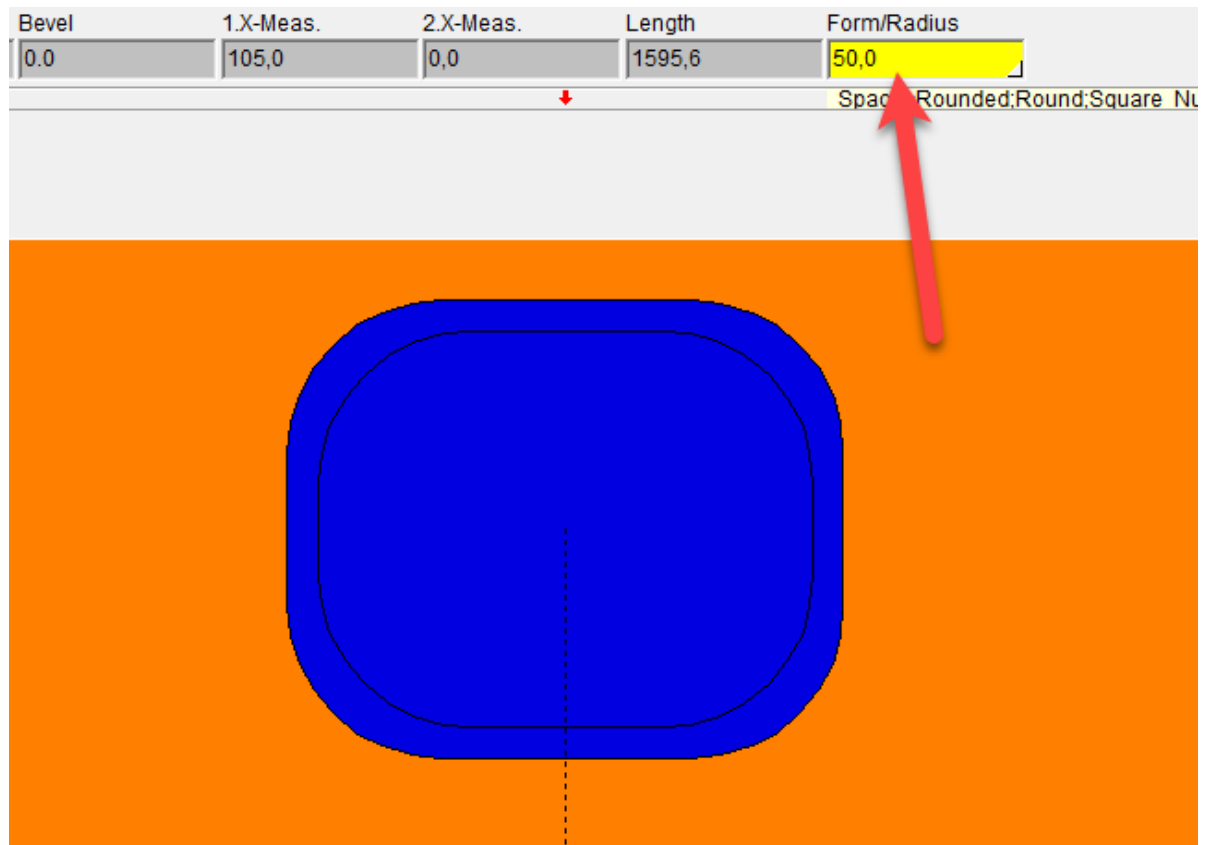
12th October 2020

- Shows MAX LEN also in 3D with text and a plane at maximum length.

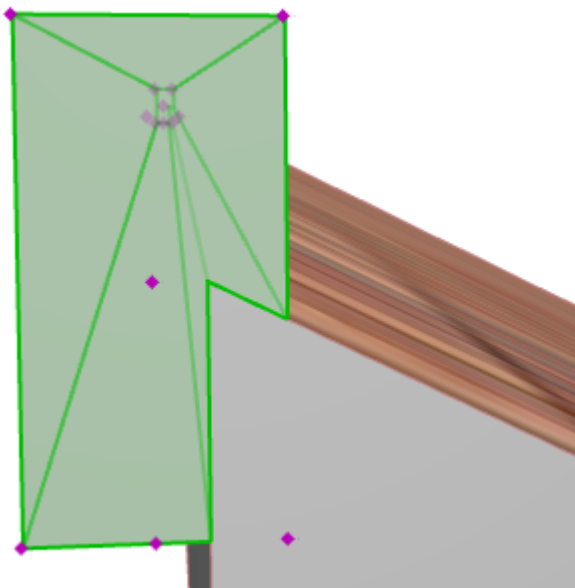


- Listings: When producing listing from all elements, ArchiFrame used memory for projection planks also. Now these are skipped and memory requirement may be 1/3 or less of what it was earlier.
- When loading ArchiFrameElements.xml, ArchiFrame checks for duplicate elemtemplate IDs and issues "WARNING: duplicate <elemtemplate id="xxx", unspecified which one is used. Please remove duplicate"
- Hundegger bvn tenon and mortise: Now the bvn-writer writes specified rounding radius here if it is > 23 mm. Earlier the form was judged to *rounded* if radius was > 0,1 mm ignoring the actual rounding value. With

smaller value it was written as *square*.



- Lengthwise cut tool has now third mode, please see help (Alt+Shift+F1):



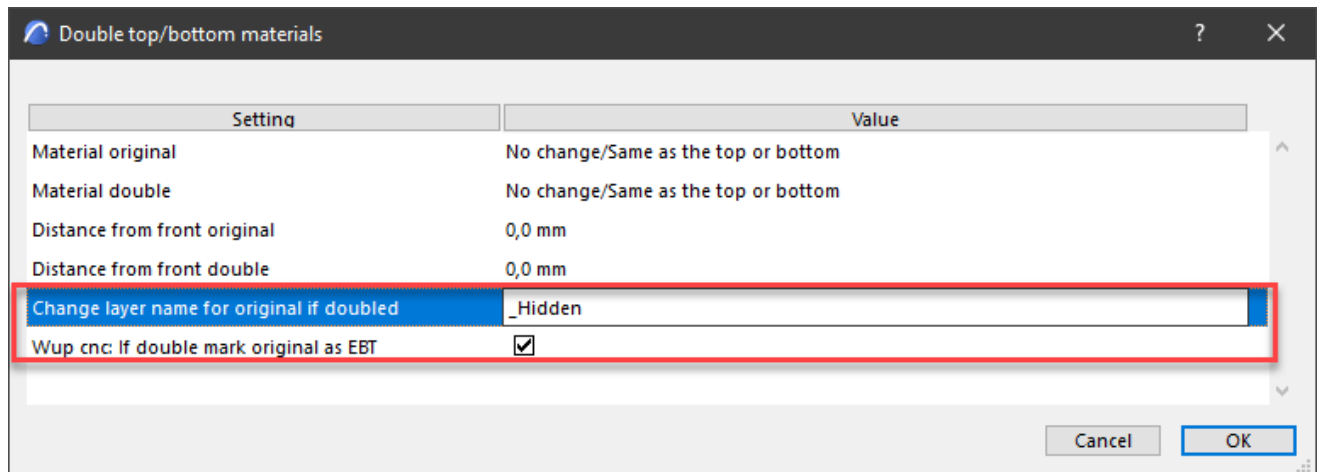
- Added possibility for insulation to all framing layers including floor types.
- In some cases, markings for openings and neighbors could appear to top plate also.
- Added possibility to use hotlink master id in planks, please search for text hotid from the manual.
- Randek cnc-writer:
 - Removed unused settings dialog
 - Grooves/millings written now

9th September 2020

- Hundegger bvn-writer angled grooves at the end of pieces now work. Previously some came incorrectly with message BVN WARNING: ANGLED GROOVE BEG/END NOT FULLY CHECKED - CHECK CAREFULLY ***. Now no message and cnc-file ok:

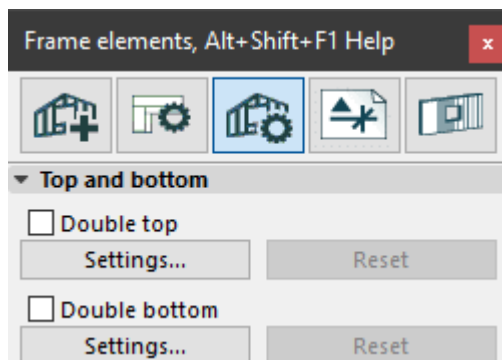


- Truss tool now works with multi plane roofs also. Some other bug fixes for trusses.
- New settings in double top and bottom:



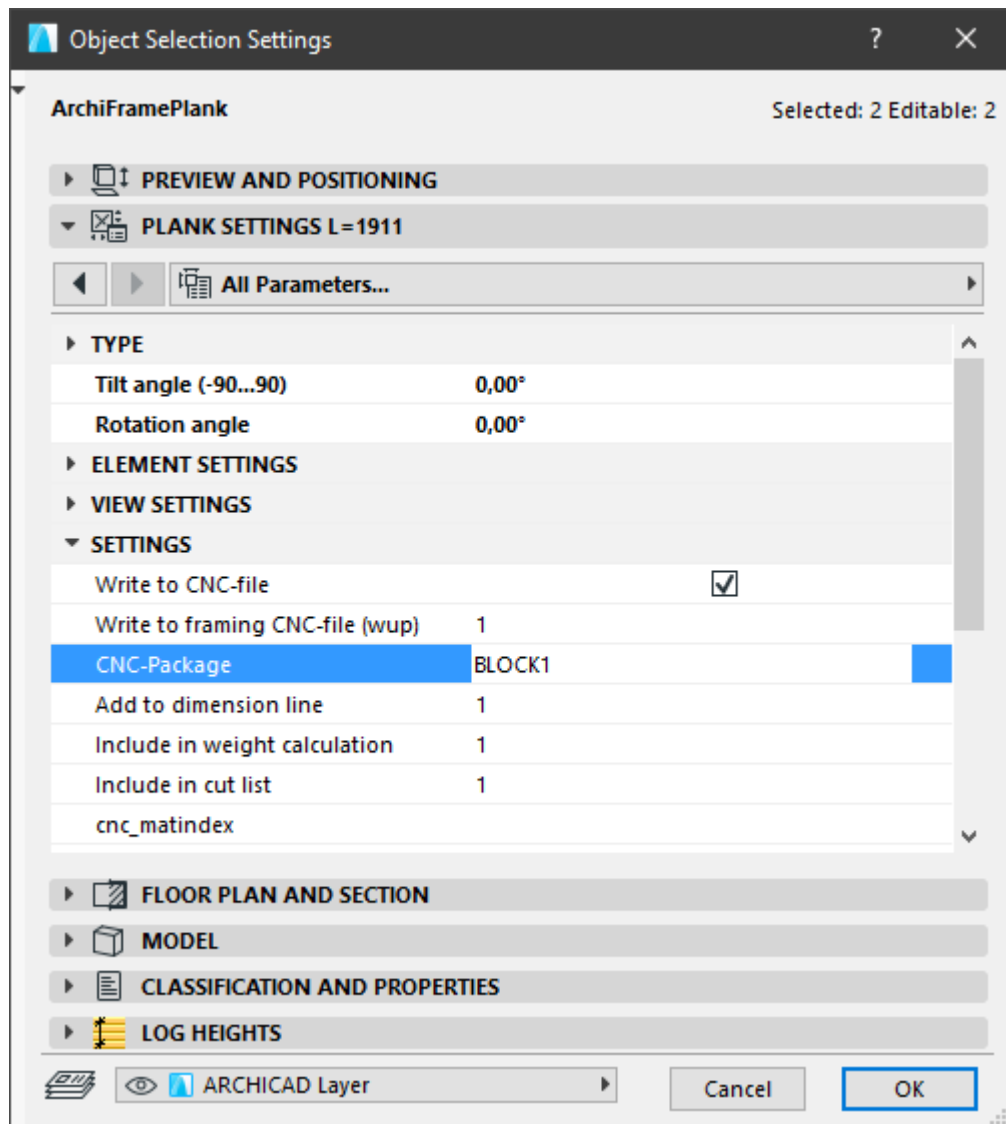
19th August 2020

- AC 24 beta version included
- Converting mirrored Archicad HEB-beam to ArchiFramePlank or using it for I-Beam grooves works now.
- BETA-fix: Element option tool did not react to selection change to show current settings for selection.

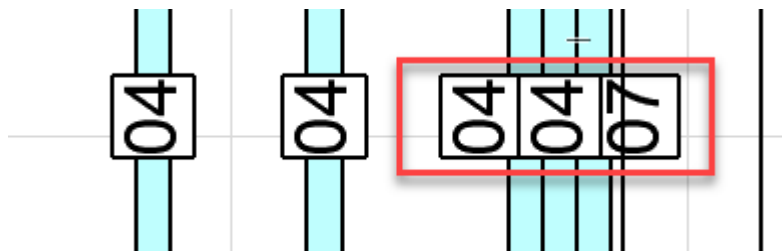


- Model View option ArchiFrame/Special view that forces showing IDs in 3D. Useful for BIMx export

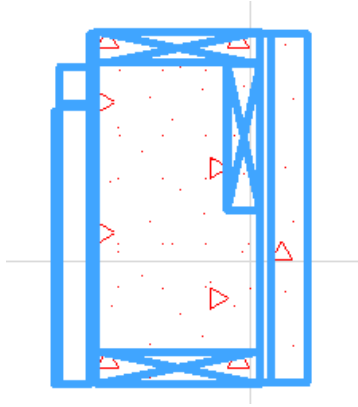
- New parameter in ArchiFramePlank that can be used in bvn/Hundegger export. Parts with different CNC-Packages will get different IDs:



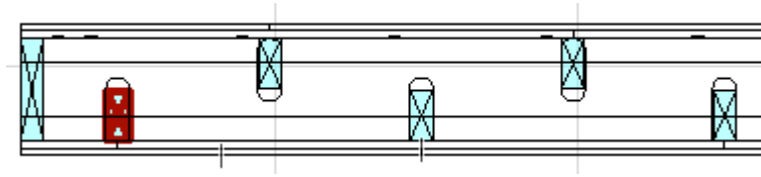
- Bvn-cnc-writing: Added package parameter to ArchiFramePlank that can be used when writing CNC-file.
- IDs with boxes cleaned up better in elevations:



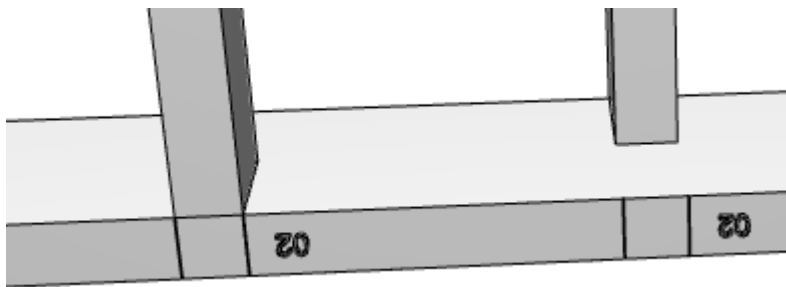
- Zero-depth section pens now as in set in object's settings – previously used the cut line pen or sometimes floor plan pen:



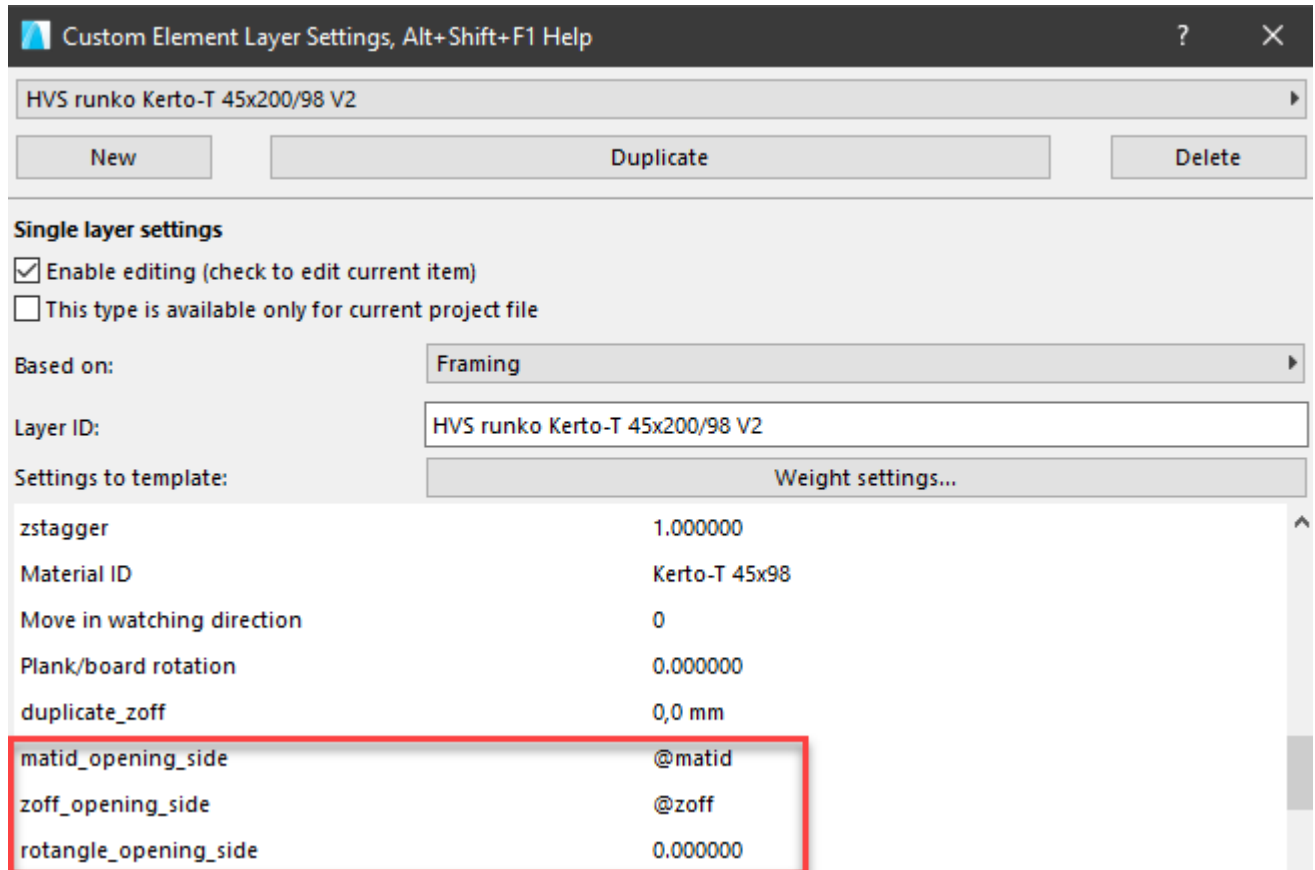
- Zstagger works now also if locked pieces in the element:



- Marking lines for staggered walls work now better:



- Added option to define material for opening side pieces in own element types:



- Excel connection in default, summary and element listings changed to similar what Archicad is using: Speeds up writing xls/xlsx-files and works in Machintosh also.
- New truss tool, please use Alt+Shift+F1 to get context sensitive help

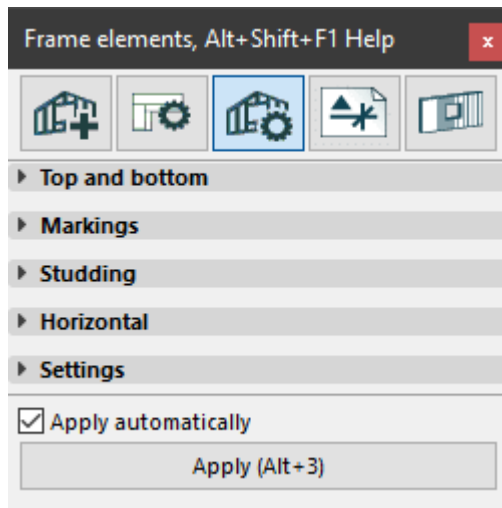
10th June 2020

- Markings: If mark opening pieces was selected with stud IDs to top/bottom plates the ID may have been incorrect.
- Element options quick fix for own element types.

2nd June 2020

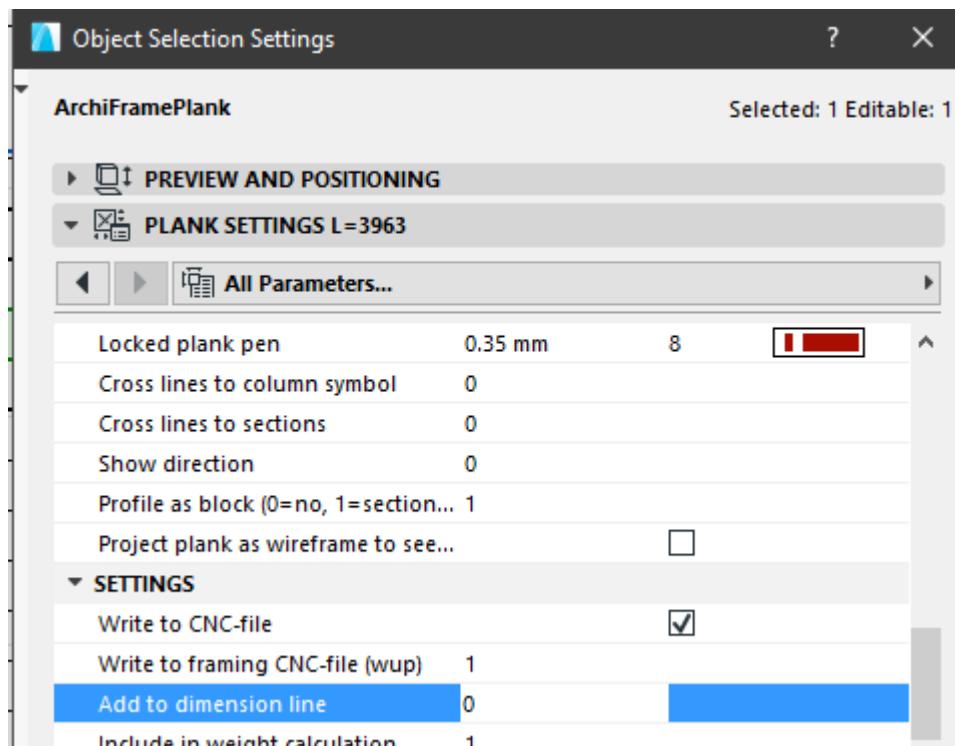
- Mirroring or copy & mirroring planks with tenon joints may have caused incorrect results.
- When creating new composite element, the element ID is offset to the composite surface automatically. Also parameter to set material of the 3D ID text (to be used with BIMx).
- Dimension line for 200% scale projection may have been too long (fix for 22nd May update's new bug).

- Element options dialog with sub panes (needs data-folder update, not in localized data-folders yet):

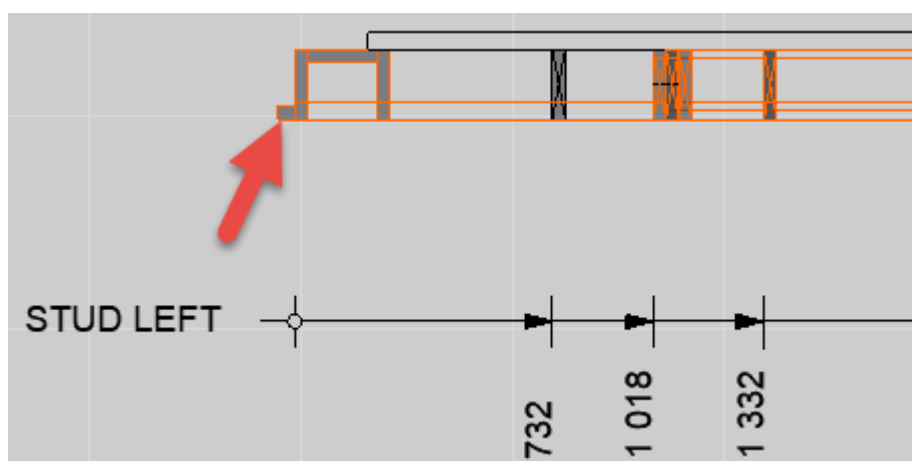


22nd May 2020

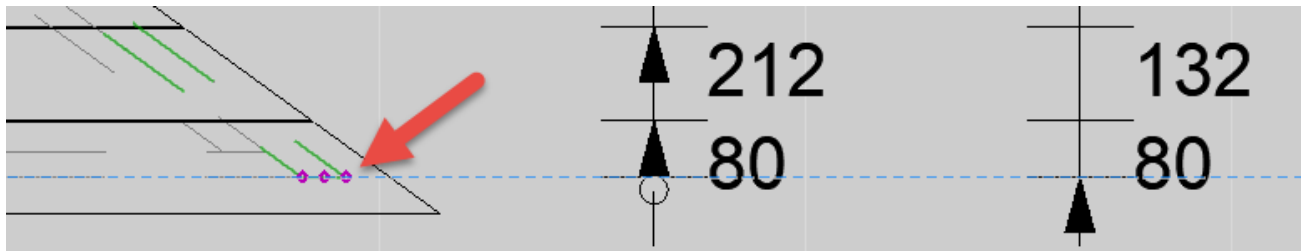
- Script based dim lines now better follow this setting when set to zero:



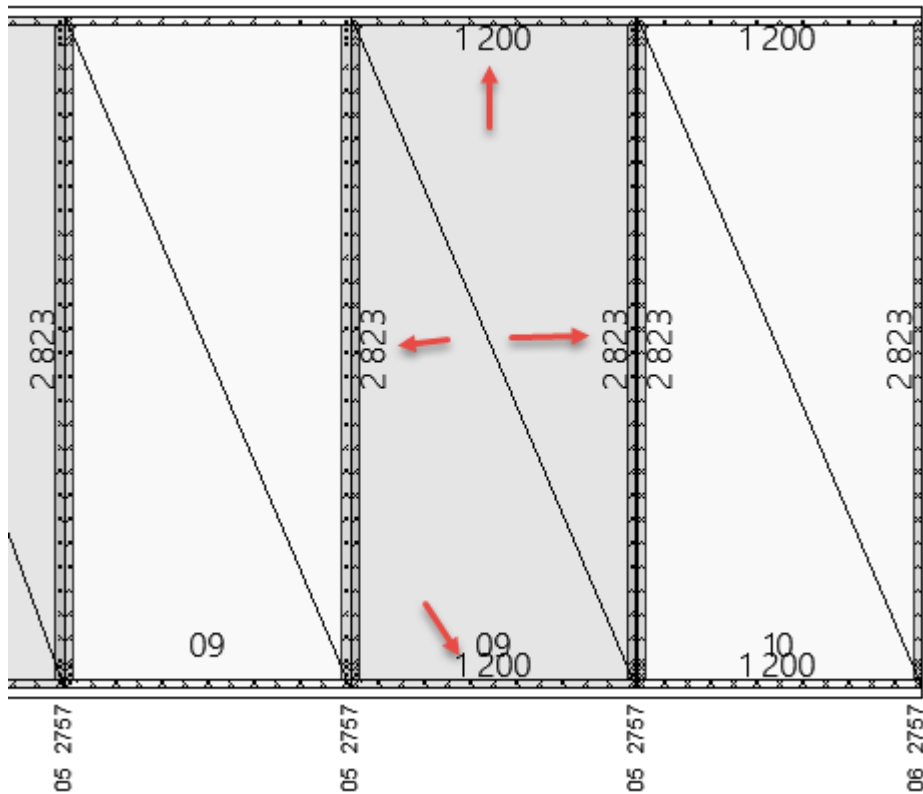
- When adding just first stud of a group to dimension line the dimension point was missing if the first one was marked not to be included in the dim line – now takes the first one marked to be added to dimension line:



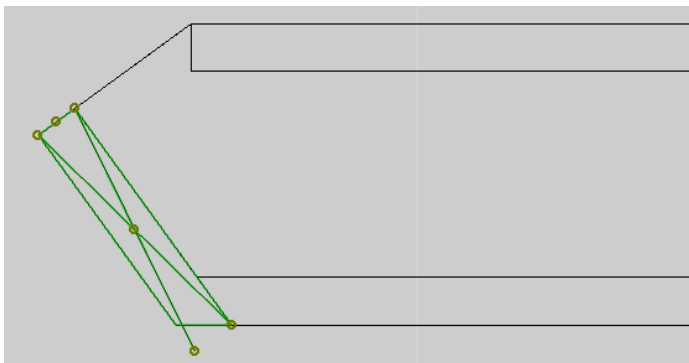
- Fixed bug that caused cut piece to be included into dimension line without the cut (point too low in this case):



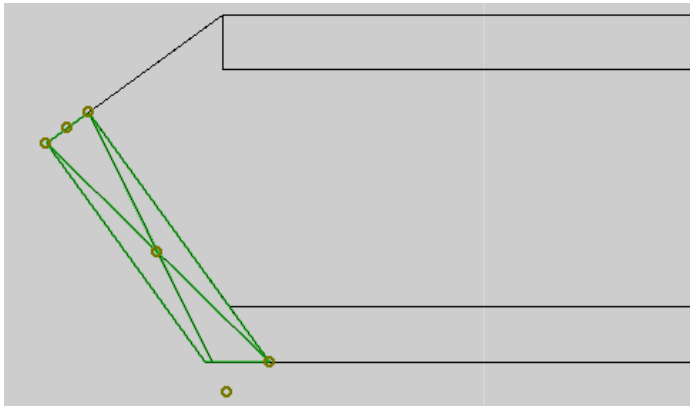
- Board dimension setting is preserved over element *Update*:



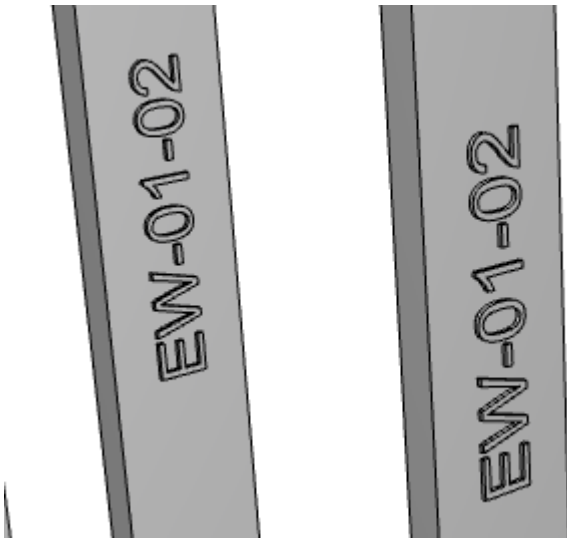
- Cross symbols now cut by any machining in the plank, old:



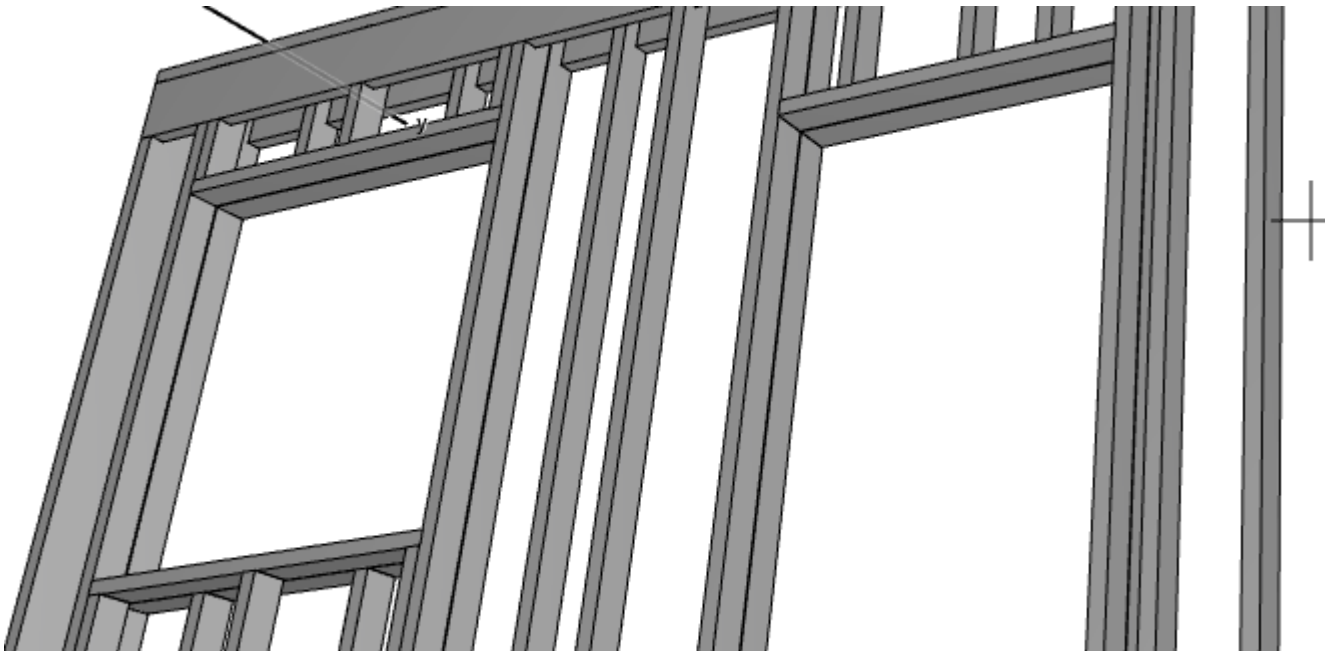
New:



- Plank IDs and markings text now with 5 mm thickness to get those visible in BIMx also and new Model view option to show all plank IDs in 3D (for BIMx-export):



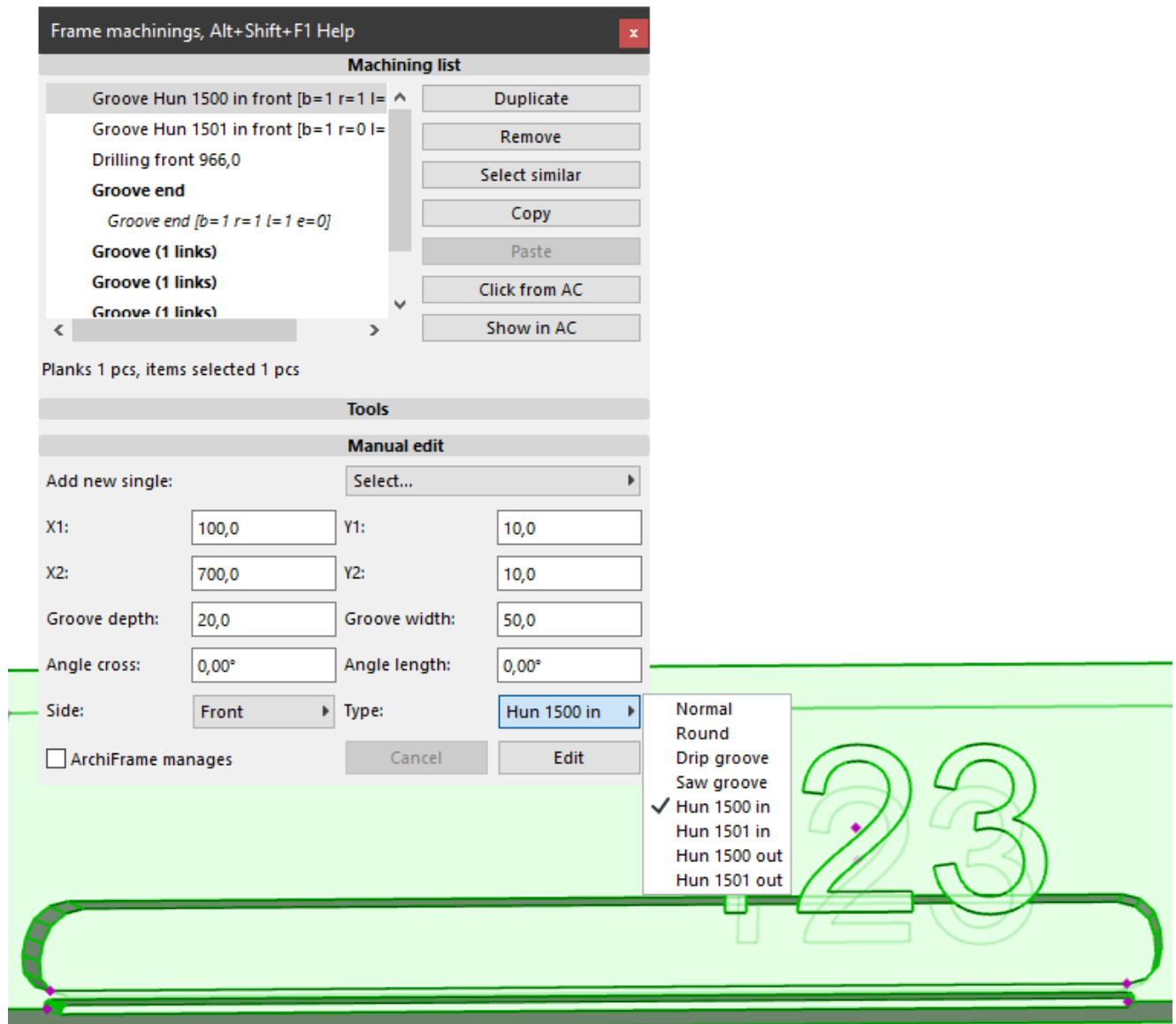
- Zstagger definition now creates duplicate framing for top/bottom plates, left/right studst and for opening pieces if the pieces fit into the element:



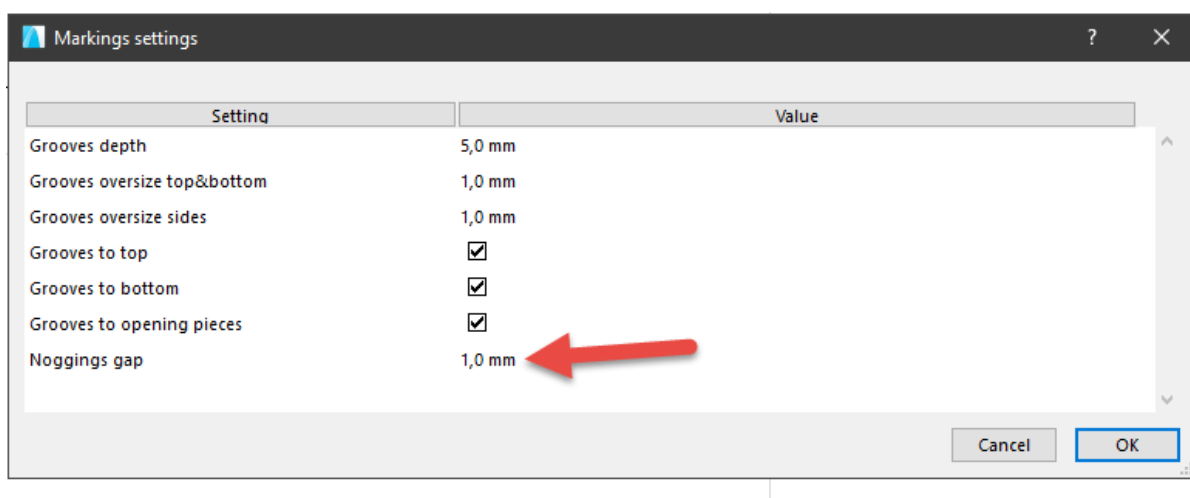
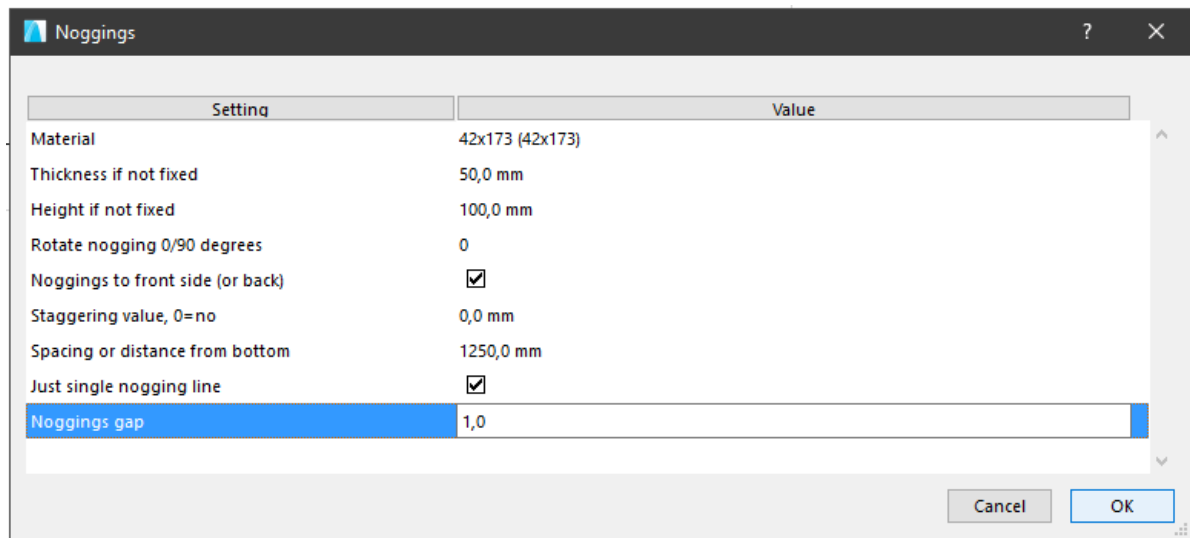
- When duplicating existing elements, stud minimum distance rule is no more applied to resulting new copy.

5th May 2020

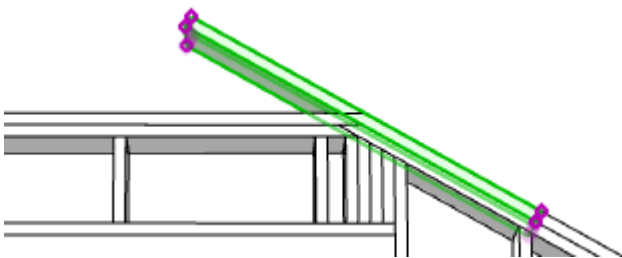
- Grooves 3D now have roundings indicating that the CNC machine will produce those too. The diameter used in ArchiFrame is 40 mm – the real diameter is machine dependent. Also new groove types, please see help (Alt+Shift+F1).



- Added options for noggins:

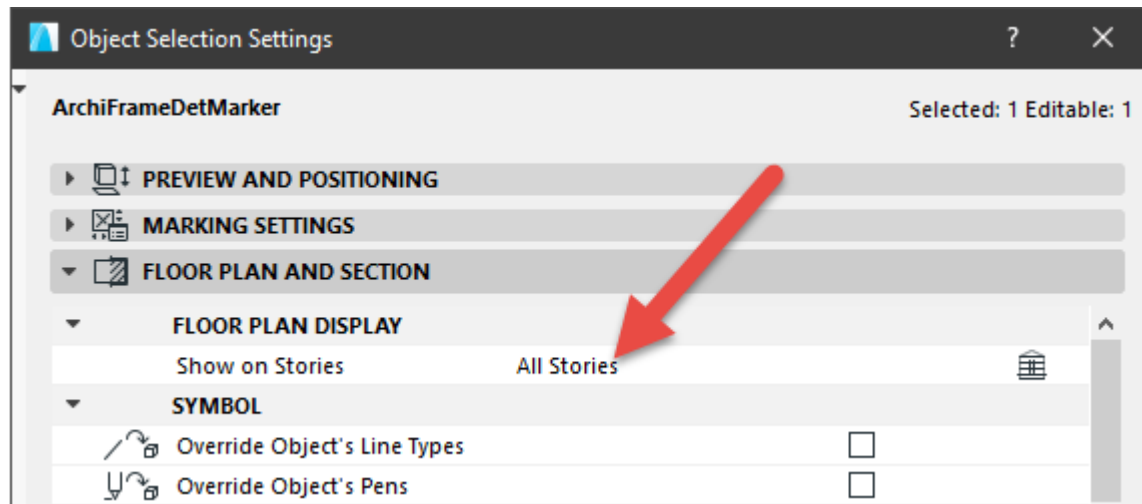


- This kind of parts prevented marking lines to appear to the top plate - fixed:

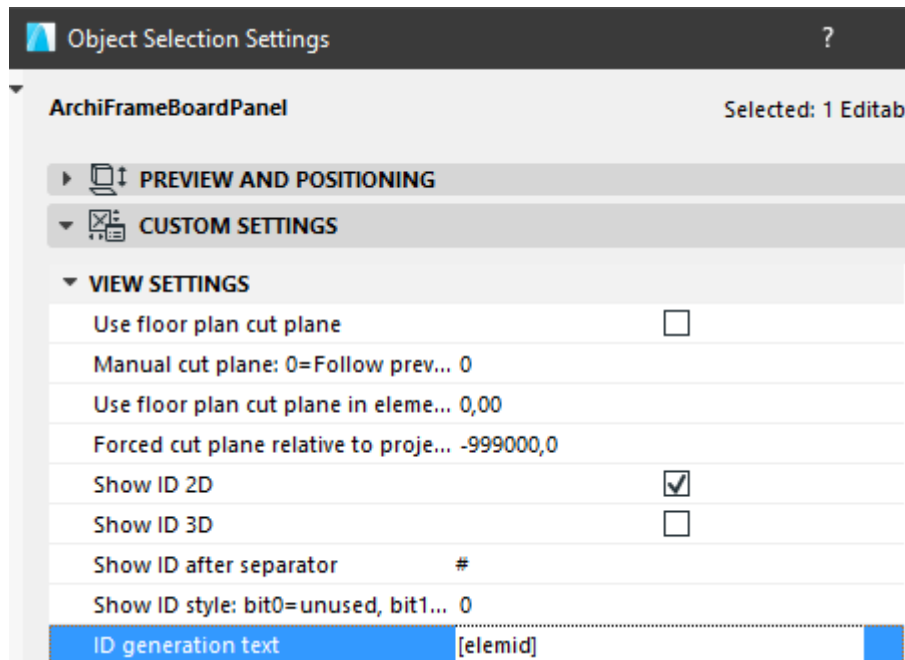


- When detaching a plank from an element from projection, it may have appeared back as core-layer piece to trace reference projections.
- Section marker was created with settings to be visible in all stories, now only in the current storey. The GDL-code limited the visibility to home storey only by default. However when selecting elements with AC arrow tool, the section marker (or more generally ArchiFrameDetMarker placed by ArchiFrame) got selected

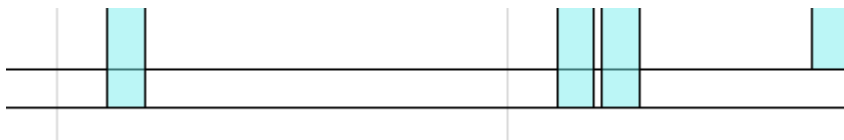
too even if it was not visible in the selection area.



- Lua-script created weather boards will now get better owner element's ID.
- ArchiFrameBoardPanel, added ID generation text parameter to allow for example showing just element ID:

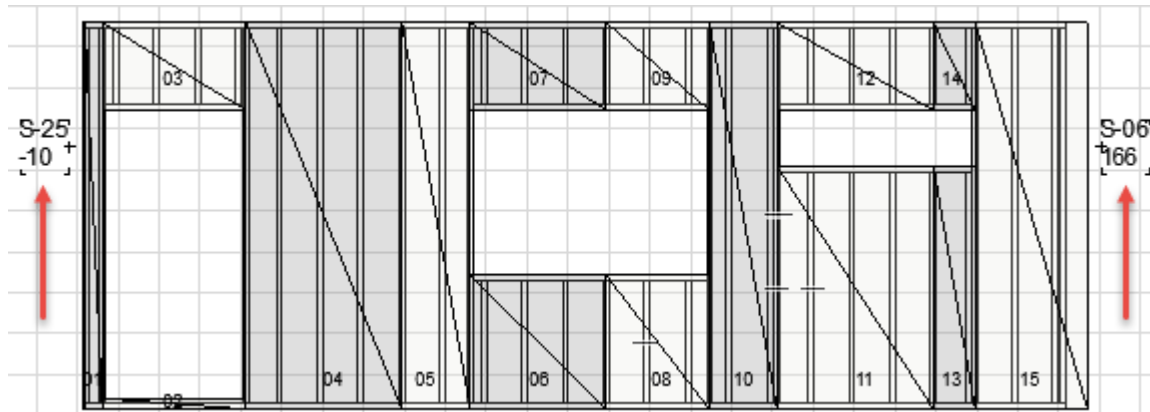


- Weatherboard-tool did not get reveal depth correctly from some window libraries
- Update elem openings did not trim to 2nd top or bottom plate:



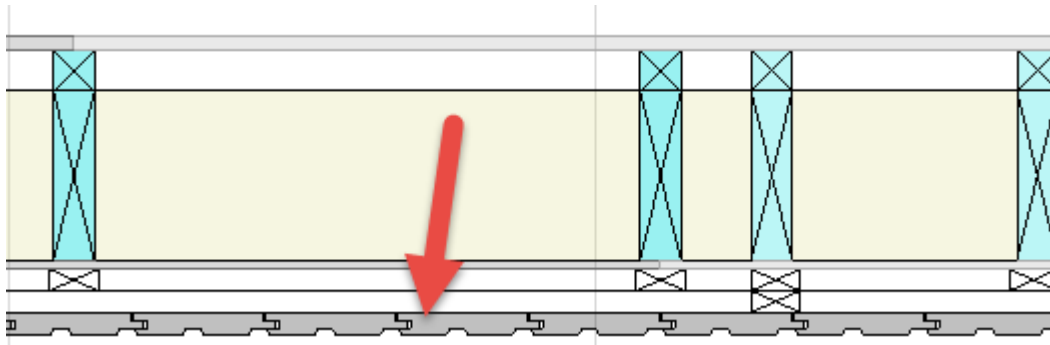
14th April 2020

- Fixes to projection anchored text positions (were too high):



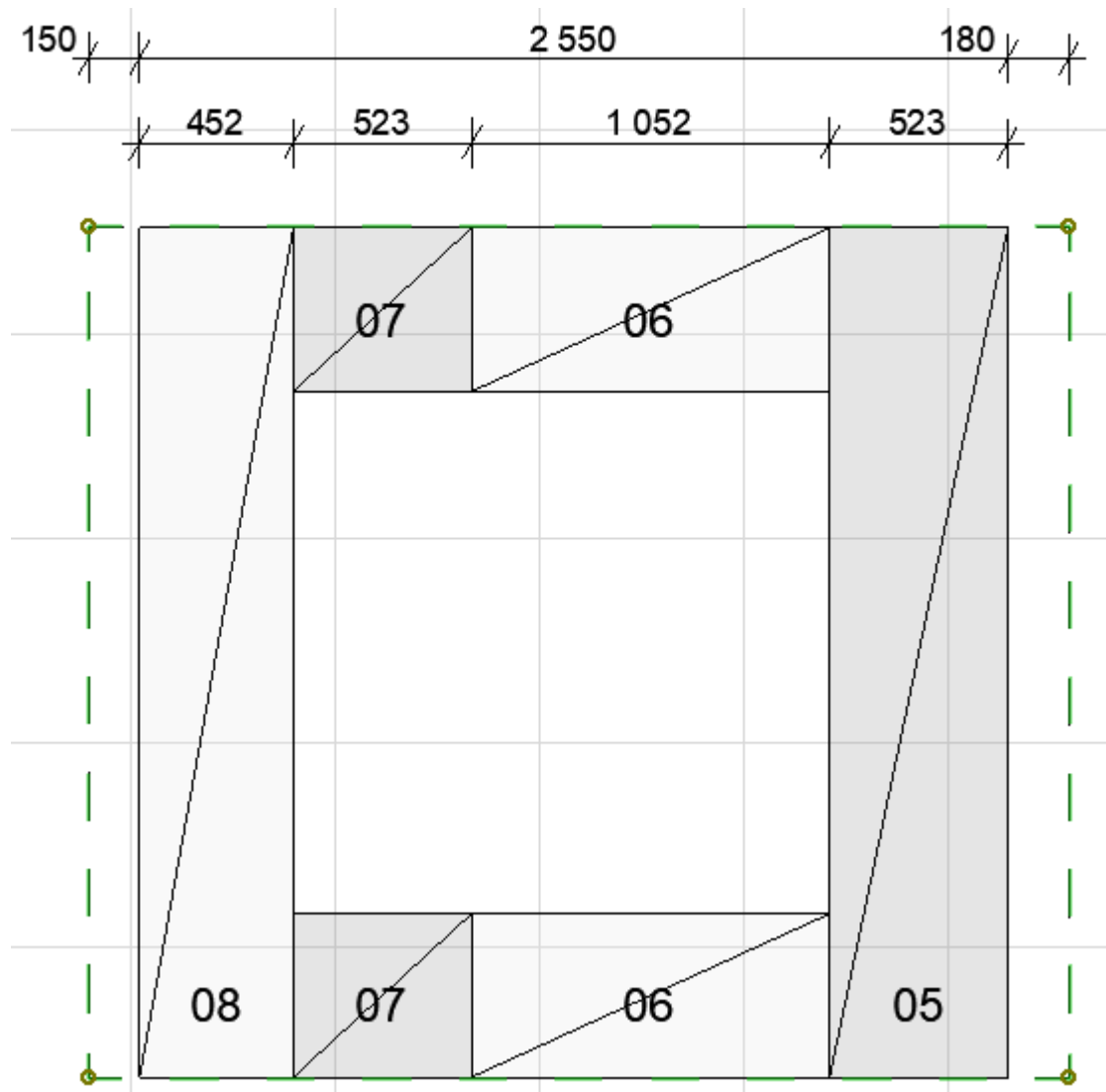
9th April 2020

- Panel profile setting now preserved over *Update* and *Explode* per projection, allows keeping the nice top projection:



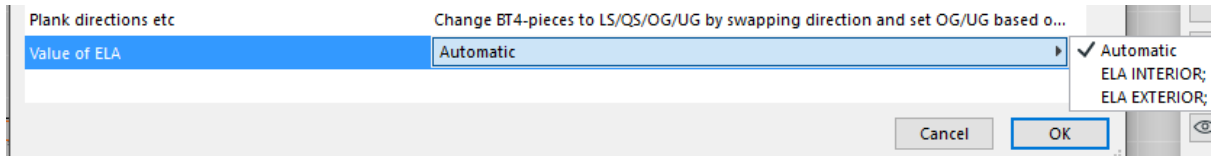
- After exploding vertical cladding showed the real profile in front projection even if just lines wanted.

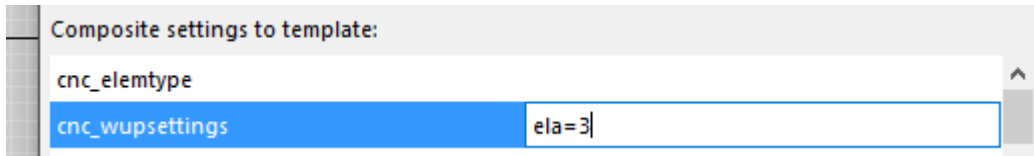
- Possibility to place core layer just by contour lines as reference and include it in offset dim lines (please find help with keyword `contourlines`):



- More localized terms for plank roles in: cut lists, bvn cnc-production

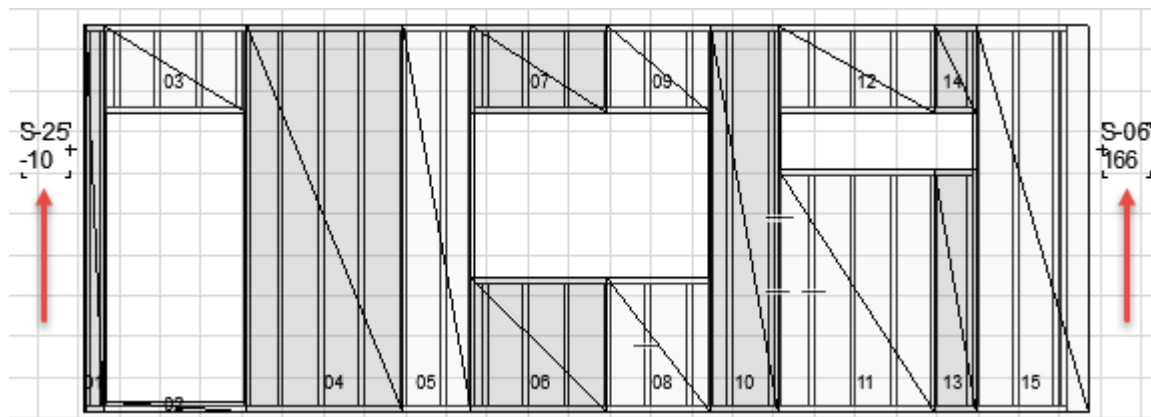
2nd April 2020

- CNC: Wup-writing additions:
 - o New option to force ELA-header line:
 

The screenshot shows the 'Plank directions etc' dialog box. The 'Value of ELA' dropdown is set to 'Automatic'. A checkbox labeled 'Automatic ELA INTERIOR; ELA EXTERIOR;' is checked. The 'OK' button is highlighted.
 - o ELA-setting can be set from own element's settings `ela=1/2/3` 1=automatic/2=INTERIOR/3=EXTERIOR (Setting *Value of ELA* from wup settings dialog):
 

The screenshot shows the 'Composite settings to template' dialog box. The 'cnc_wupsettings' field is set to 'ela=3'.
 - o No more warning "WARNING: Element XX direction is different from from the setting used now, current element is YY" if the setting comes from composite element's `cnc_wupsettings` (avoid confusion and ignoring warnings).

- Possibility to set projection texts by script – allows for example showing layer offsets and corner types next to the projection, details [here](#):

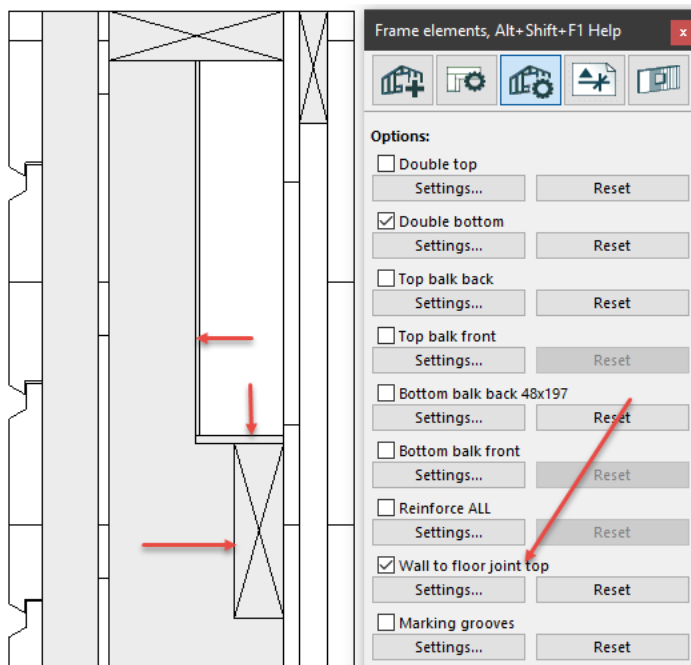


24th March 2020

- Dragging the edge of a board in rotated projection worked incorrectly sometimes.
- Assigning IDs to planks having setting elemgeo="2" gave same ID for too many planks (for example for planks with angled dovetail). Now rules adjusted so that more different IDs will be assigned.
- Xml-setting <projplanksettings type="core" **objtype="1"**>: please see the manual. Similar setting for dimension line to be able to filter insulation boards & framing.
- Opening dims may have added unnecessary dimension lines.

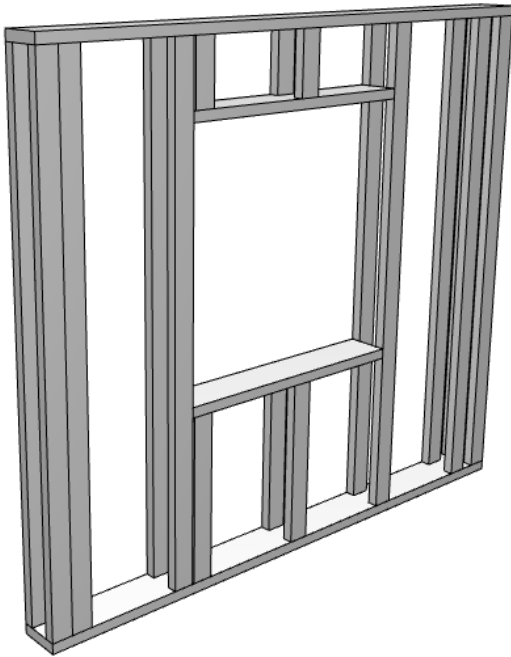
1st March 2020

- New option:

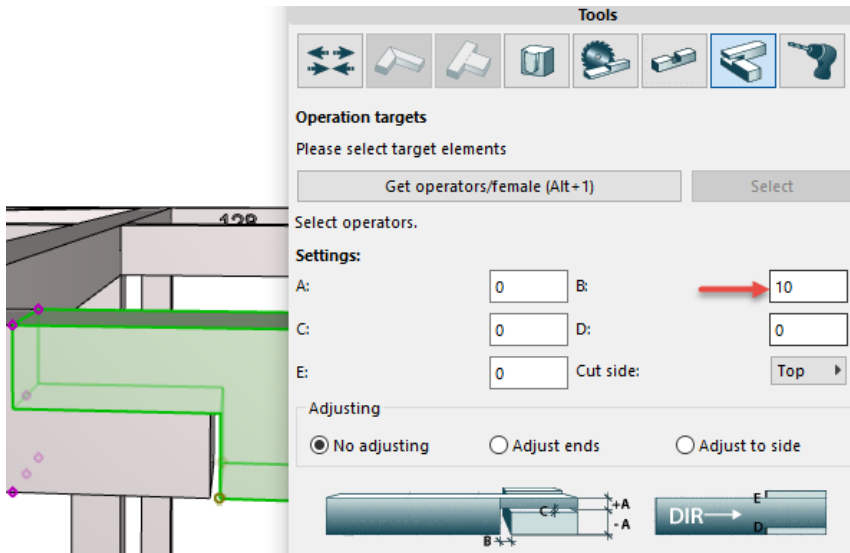


- New settings in Markings-options, please see help from settings (Alt+Shift+F1). Also changed the markings to be visible in 2D only if in top or bottom surface (to see in elevations).

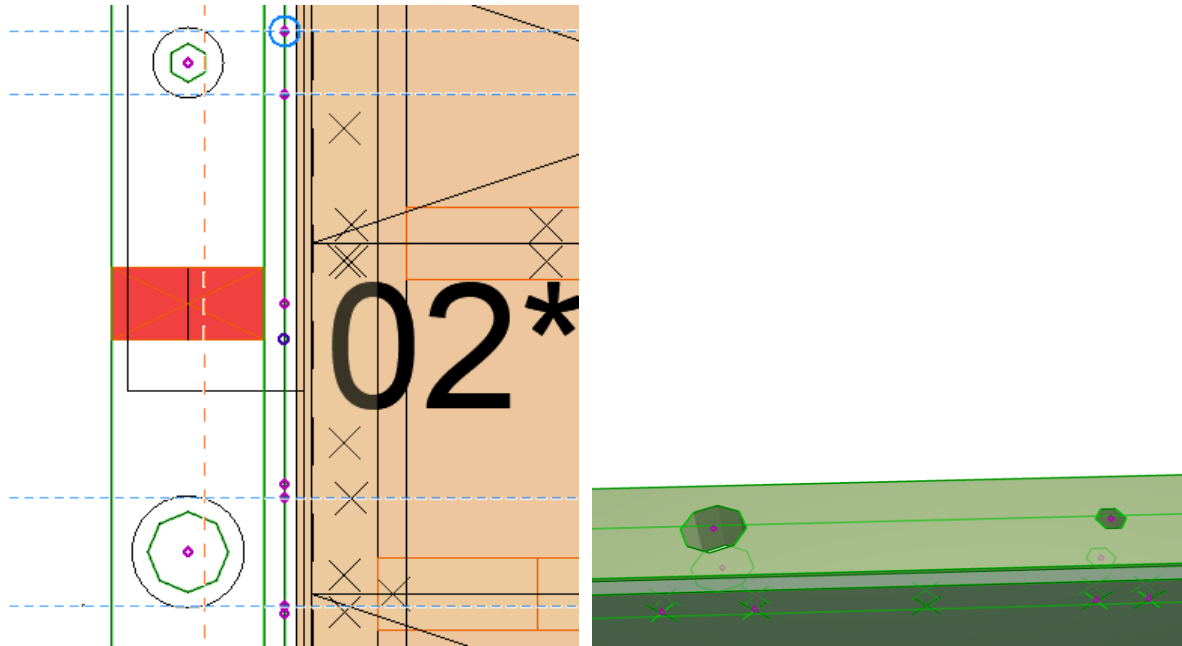
- New setting *duplicate_zoff* to framing layers to produce duplicate studs (Alt+Shift+F1):



- Lap joint parameter B did not work for parallel pieces:



- Nailings: Now drillings are avoided – for example, lifting ropes drillings in top plate:



- Weight calculation: Earlier boards were not calculated for a layer if the layer had any planks. Now only cladding kind of boards are skipped: if exploded anything, everything in the layer must be exploded to separate cladding pieces.
- Update element with marking lines on may have set CNC on for a top/bottom plate that actually did not get a marking:

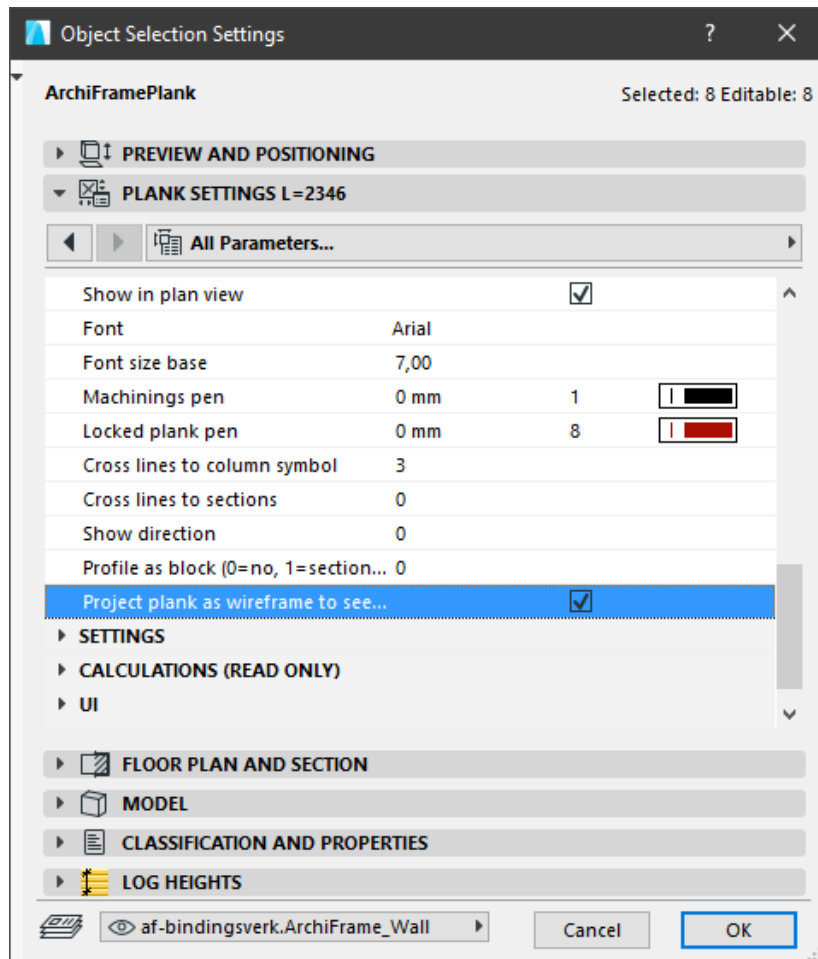


- Hundegger cnc-writer follows ArchiFrameBlocks/gromaxdepth-setting when writing bvn-file. Earlier used fixed value 159 mm.
- Insulation alpha version.

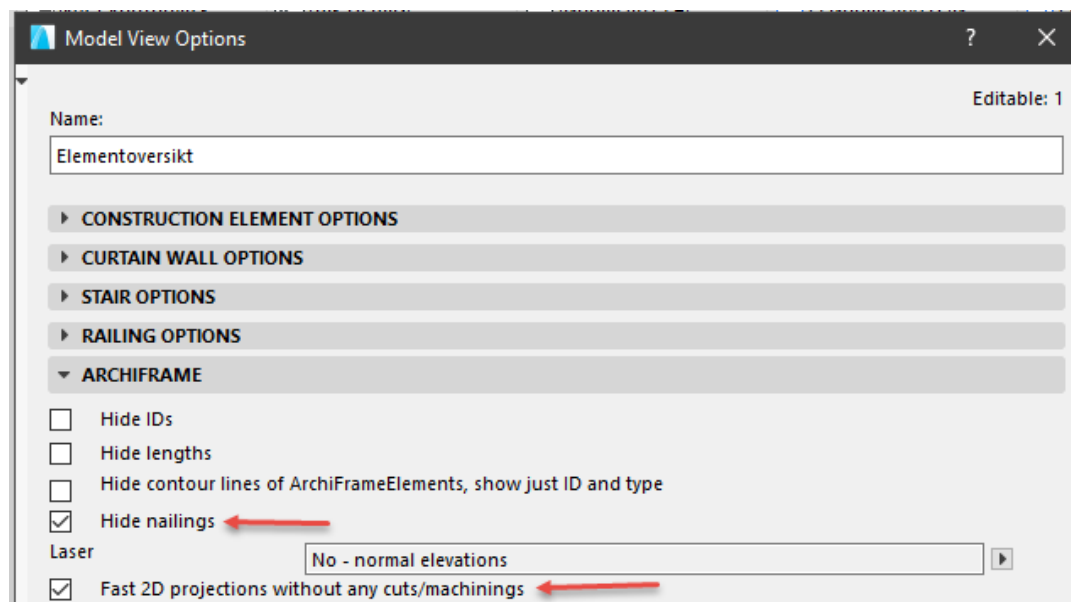
7th Feb 2020

- BETA BUG: Moving part in projection may have failed if moved in global coordinate Y-direction. Fixed.

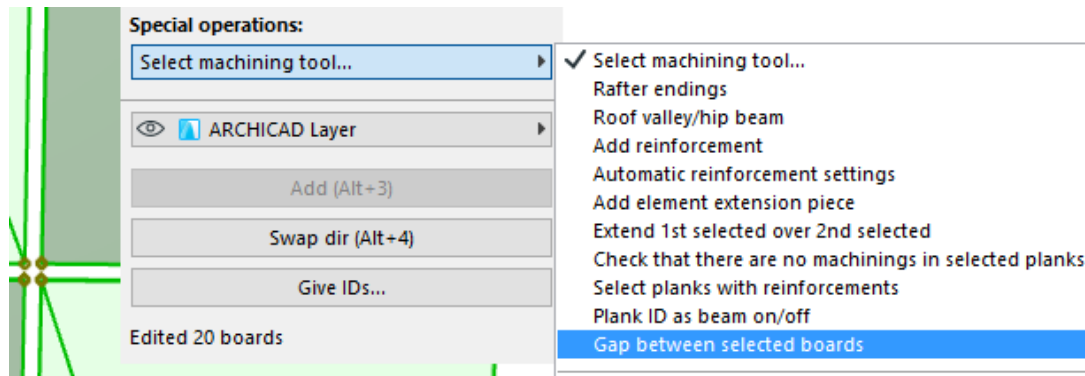
- New setting for projection pieces to show cuts/machinings at the back side:



- New Model View Option to speed up 2D regeneration typically by 25%:



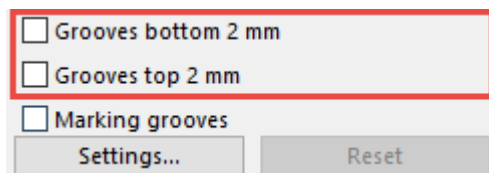
- In plank tools there is new automation to add gap between boards:



- Nailings settings improvements, please see help Alt+Shift+F1 in nailings dialog.

31st Jan 2020

- Removed options Grooves bottom and top to get more space. The same functionality and more are in Marking grooves option:



- Groove machining 3D visualization: Added lines to the end of the groove (affects also projections in 2D):



- DT tenon and mortise were visualized with double angle – in Hundegger the angles were half from what there was in ArchiFrame. Now ArchiFrame's angle is halved and it is like Hundegger output (just visualization change):

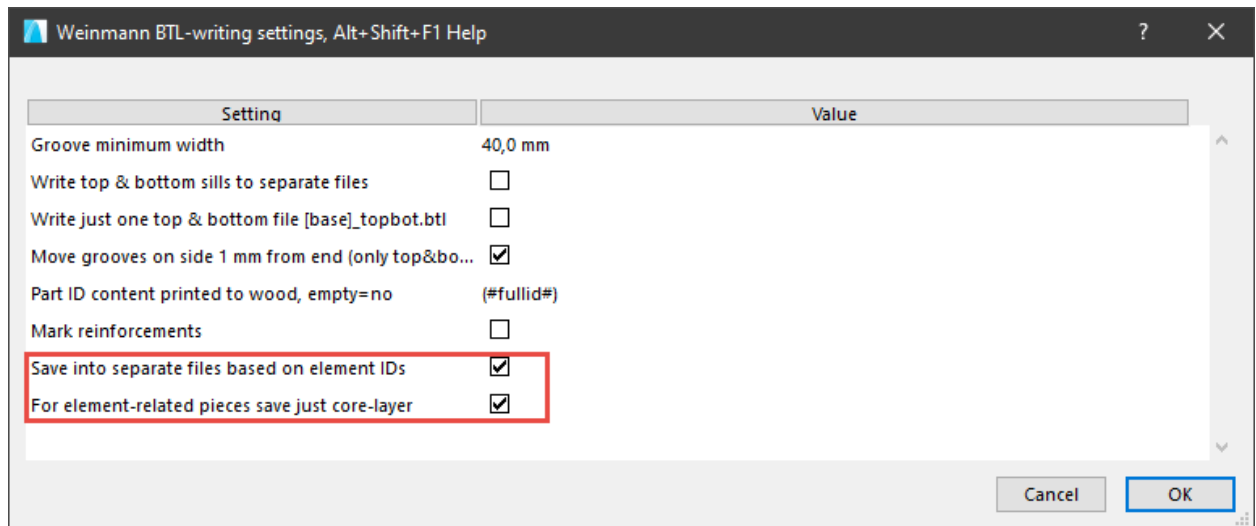


- 22nd Jan beta had a bug that may have caused projection and 3D piece not to be synchronized. To fix, select 3D piece's object settings and close with OK.

22nd January 2020

- Possibility to use also doors & windows as cutting piece for groove tool for example. Also support for Lua-script to get 3D rectangular shape of openings.
- Groove tool best groove orientation improvement

- New options for Weinmann BTL-CNC-writing:



- New option for BTL-CNC writing:

Default saw cuts if no ArchiFrameSawCut-objects ☒
 ArchiFrameSawCut generated codes Saw cut, P13=1, P14=1223; Milling P13=2, P14=1228

- New options for WUP-CNC-writing:

Rotation Mirror Y and swap watching direction
 Plank directions etc Change BT4-pieces to LS/QS/OG/UG by swapping direction and set OG/UG based o...

- Pieces connected with updating operation are updated now when really needed – not after changing for example 3D material of a related piece.

- Settings for boards:

Object Selection Settings ? X

ArchiFrameBoardPanel Selected: 1 Editable: 1

▶ **PREVIEW AND POSITIONING**

▼ **CUSTOM SETTINGS**

Element thickness	13,0
Tilt angle, 90=vertical	90,00°
Locked	0
Enable sawing edges	0

▶ **TYPE**

▶ **VIEW SETTINGS**

▼ **SETTINGS**

cnc_matindex	
cnc_matname	
Add to dimension line	0
Include in weight calculation	0
Include in cut list	0

▶ **CALCULATIONS (READ ONLY)**

▶ **INTERNAL**

▶ **FLOOR PLAN AND SECTION**

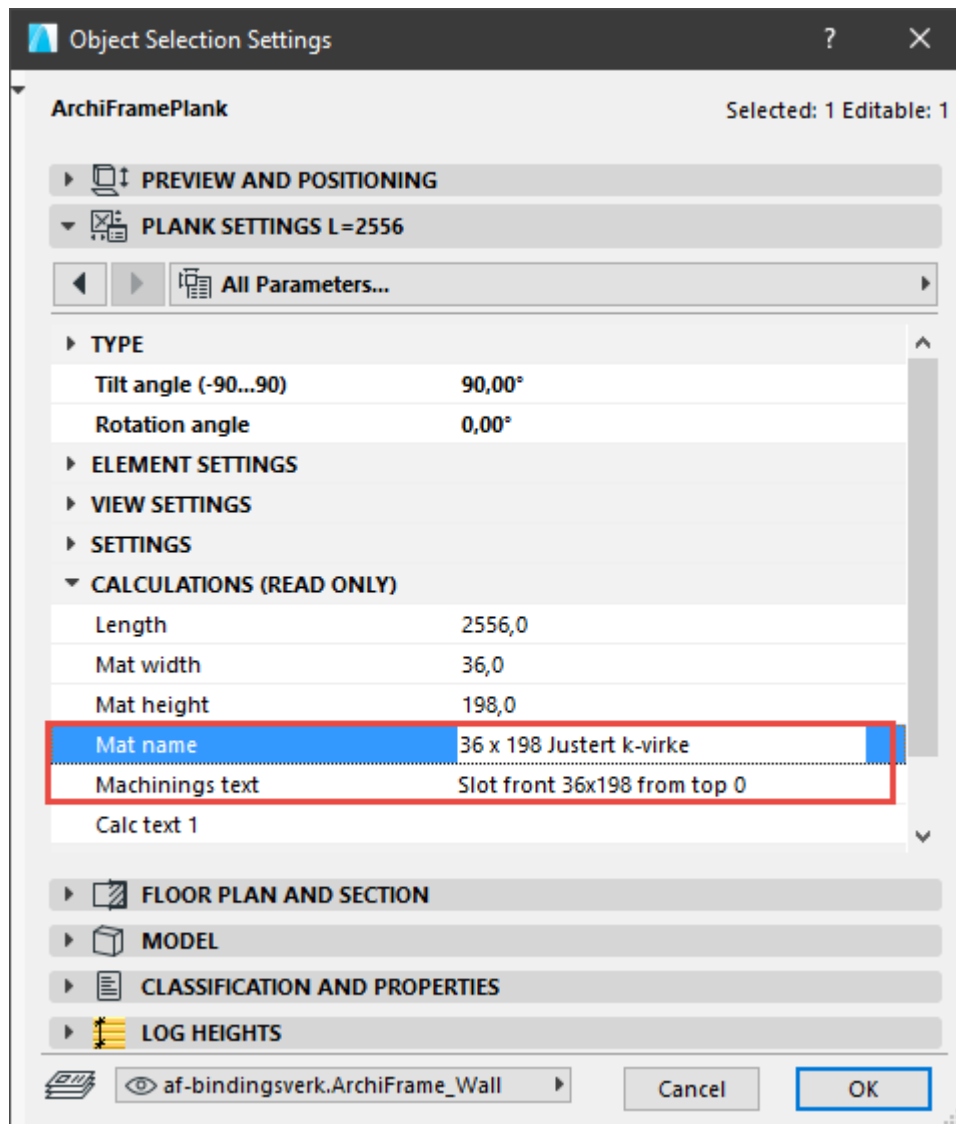
▶ **MODEL**

▶ **CLASSIFICATION AND PROPERTIES**

▶ **LOG HEIGHTS**

af-gypsum-int.ArchiFrame ▶

- New calculation parameters for plank (to set for existing planks, please open AC object settings and close with OK):

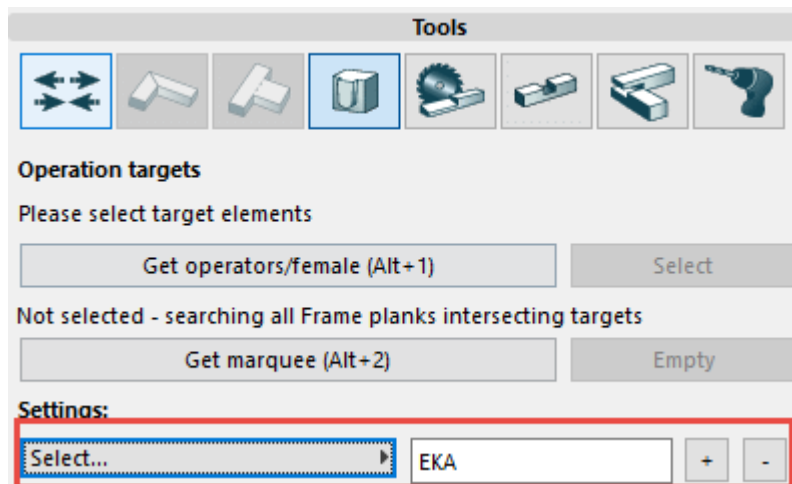


- Cladding cut list: Script based cut list could not have exploded panels and normal boards at the same time – now normal boards are collected even if cladding pieces have been exploded. In that case all ArchiFrameBoardPanel-objects are skipped in cut list generation. If anything is exploded in the layer, everything must be exploded to have correct cut list.

19th December 2019

- Possibility to filter planks to collect for dimension lines in xml
- Fixed: Converting slanted AC walls into ArchiFrameElements sometimes had bad angle

- Presets here, please see instructions pressing Alt+Shift+F1 in the tool palette:



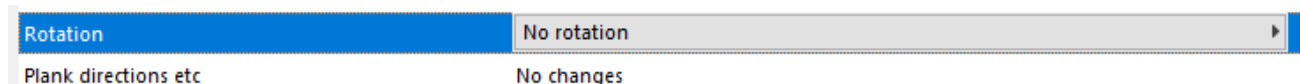
- Marking lines element option: Earlier all markings were made invisible in 2D including projections. Now markings will be visible if placed to bottom surface:



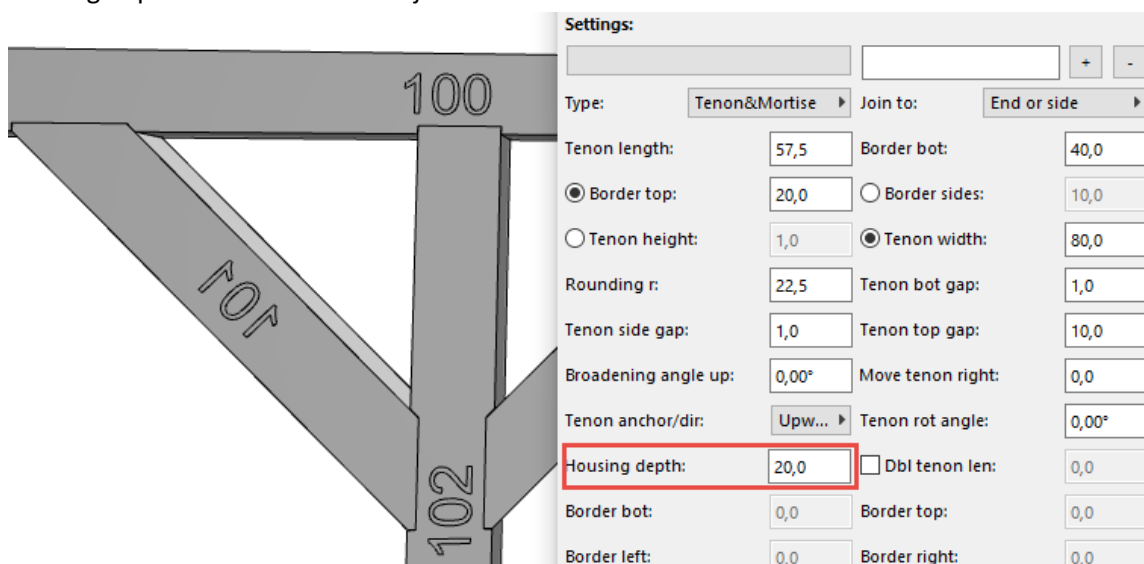
- More options for weatherboards
- Wup cnc-writer: Option to exclude items on hidden layers

4th December 2019

- Wup-cnc: Option to rotate +- 90 degrees and option to change BT4-codes to framing codes:



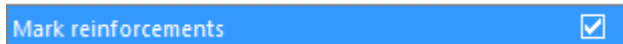
- Housing depth for tenon&mortise joint:



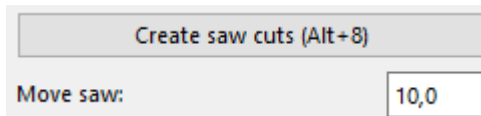
- Projecting columns and beams failed with AC23 because of changes in those tools – fixed.
- Bug fix with weather boards: If related wall or opening was edited and there was no change in opening's geometry, ArchiFrame created ungrouped double pieces around the opening. To fix:
 - Use Find & Select to find all weatherboards and delete those (to get rid of duplicates)
 - Create weatherboards again

4th November 2019, VERSION 23 OFFICIAL RELEASE

- Update elem openings failed to update elevations – fixed.
- Minimum distance between planks framing setting may have affected unrelated layers – fixed.
- BTL-CNC-writers:
 - change to groove P04 parameter: It will have bit set indicating that groove is open upwards. In numbers the value 32 is always added to old P04-value.
 - New option:



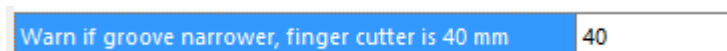
- Option to set offset from board edges when adding saw lines:



- When *Updating* an element without projections the result may have been incorrect. Now works ok.
- Possibility to add plank object's parameter values into cut list with #par:xxx#, for example:
gListSettings.col1str_plank="#id# #matid# #par:iQuality#"
- If model was far from origin:
 - The element tool's option [x] Use grid may have produced incorrect stud placement
 - Creating automatically updating layouts may have failed

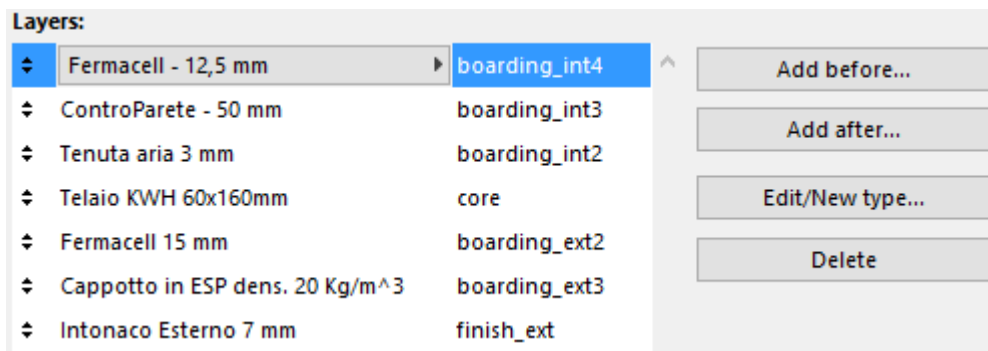
25th September 2019

- Improved support for script-based dimension lines for rotated projections
- When teaching own corner type also the plank's layer is now saved (many other settings also added)
- Unknown plank types in cut lists shown without any type info instead of "? (edge)" for example.
- Hundegger BVN-saving new option:

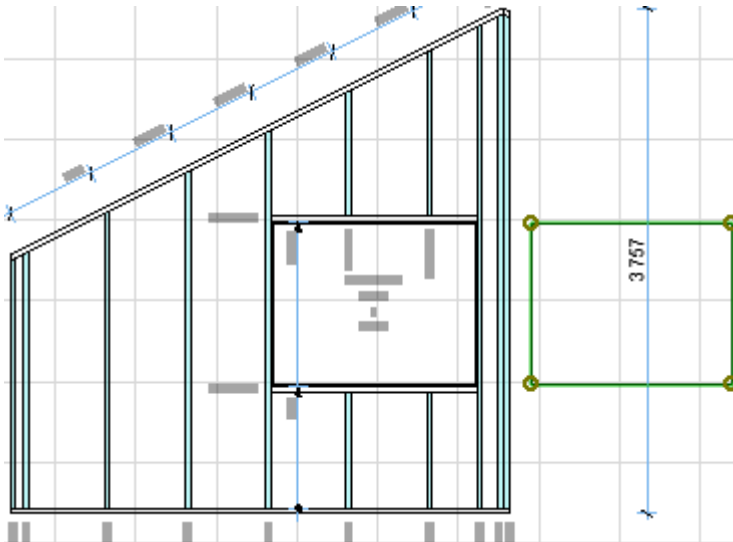


- TeamWork: Reserve elements will now also reserve all related linked machining pieces (like a piece that has a groove made by plank belonging to an element).
- Linked machinings were reapplied too often causing unnecessary editing of linked elements.

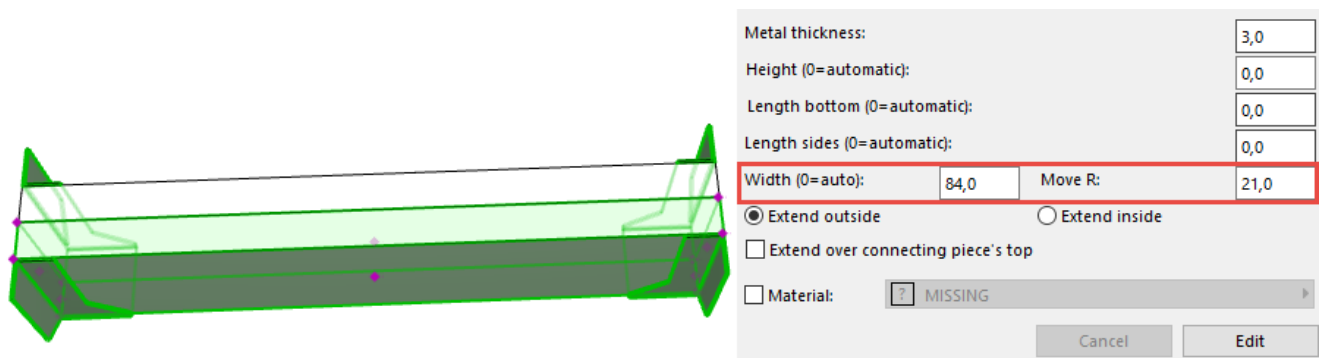
- Own element composite layers list now shows also the types of each layer:



- When creating lines for opening frames, the openings outside current element will be skipped:

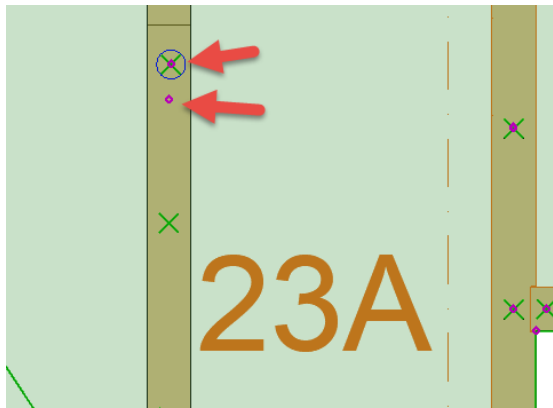


- Drilling in projections now follow machining pen setting
- External pieces attaced to just some projections will no longer appear to every projection after regenerate allowing reposition.
- More balk shoe settings to support this case:

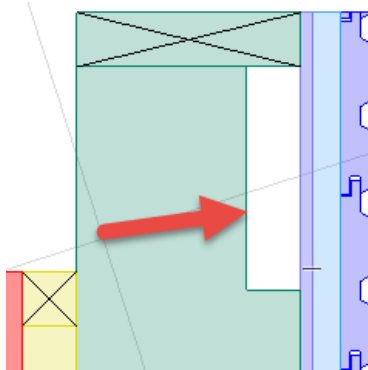


- Nailings are now created so that spacing is even with 1/10 mm. Will help wup-writer to write nailing lines so that the last nail will surely appear also. Wup-writer gives a warning if it cannot adjust the nailing line:
WARNING: Part YV-2-1A#12, nail line could not be adjusted to 1/10 mm (max adjustment=5 mm), last nailing missing: x1=600.0 y1=491.0 x2=600.0 y2=2618.1
Please recreate nailings with the new program version
This is reported for example in this case where there is circulated fixed point nailing and the existing nailing

line (lower) is manually shortened. It must be dragged max 5 mm from the last nailing point:



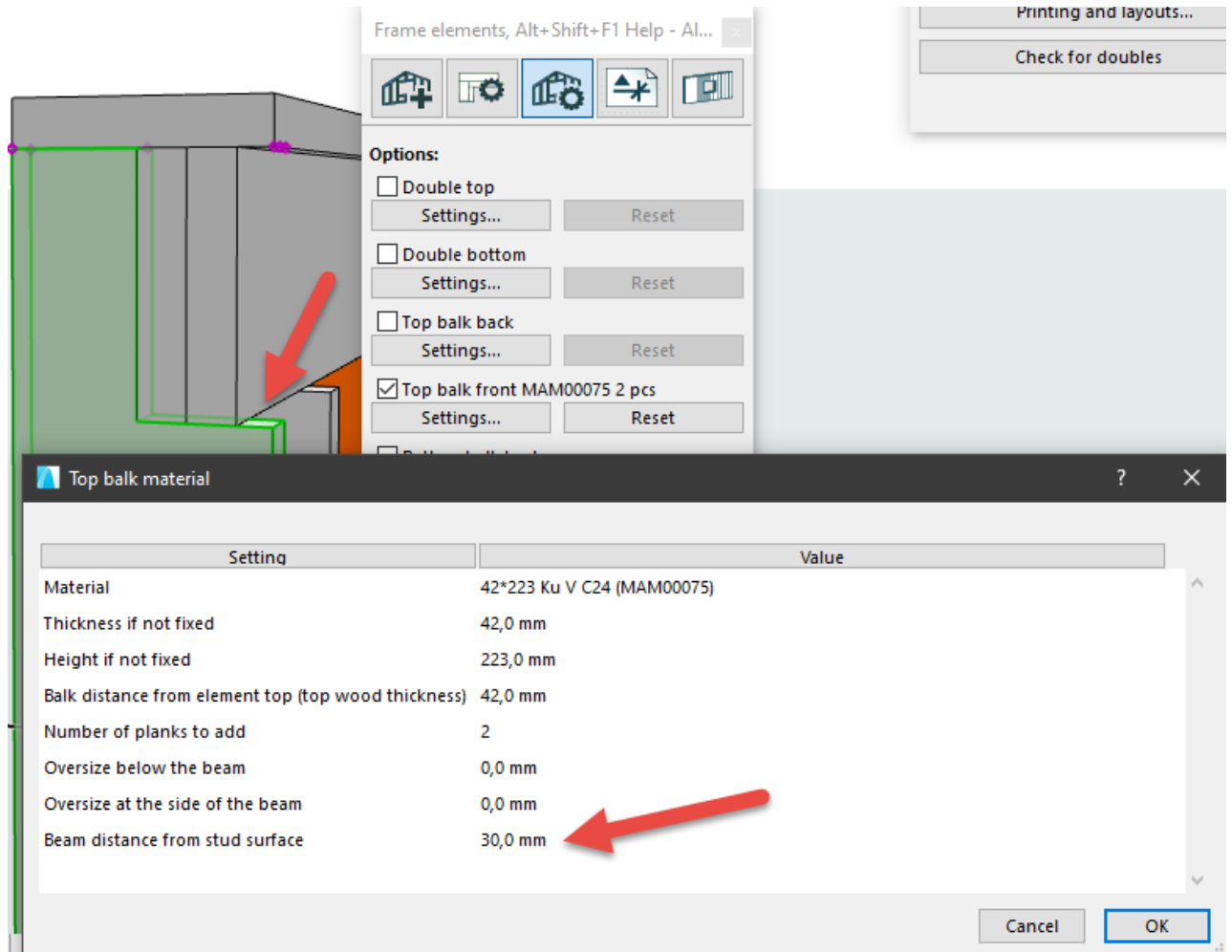
- Some lines were missing from zero depth sections:



4th September 2019

- Updating existing layouts may have failed if AC Issue manager was used.
- Board projections fixes:
 - Board colours are now applied immediately (may have required two updates)
 - When copying existing more settings are taken from source projection elements to new copied one.
- Update elem openings: Grouping bug fixed – now planks from separate layers are kept in their own groups. Also general grouping fix for projections.
- Custom corners worked only in multilayer composite type – not in single layer. Fixed.

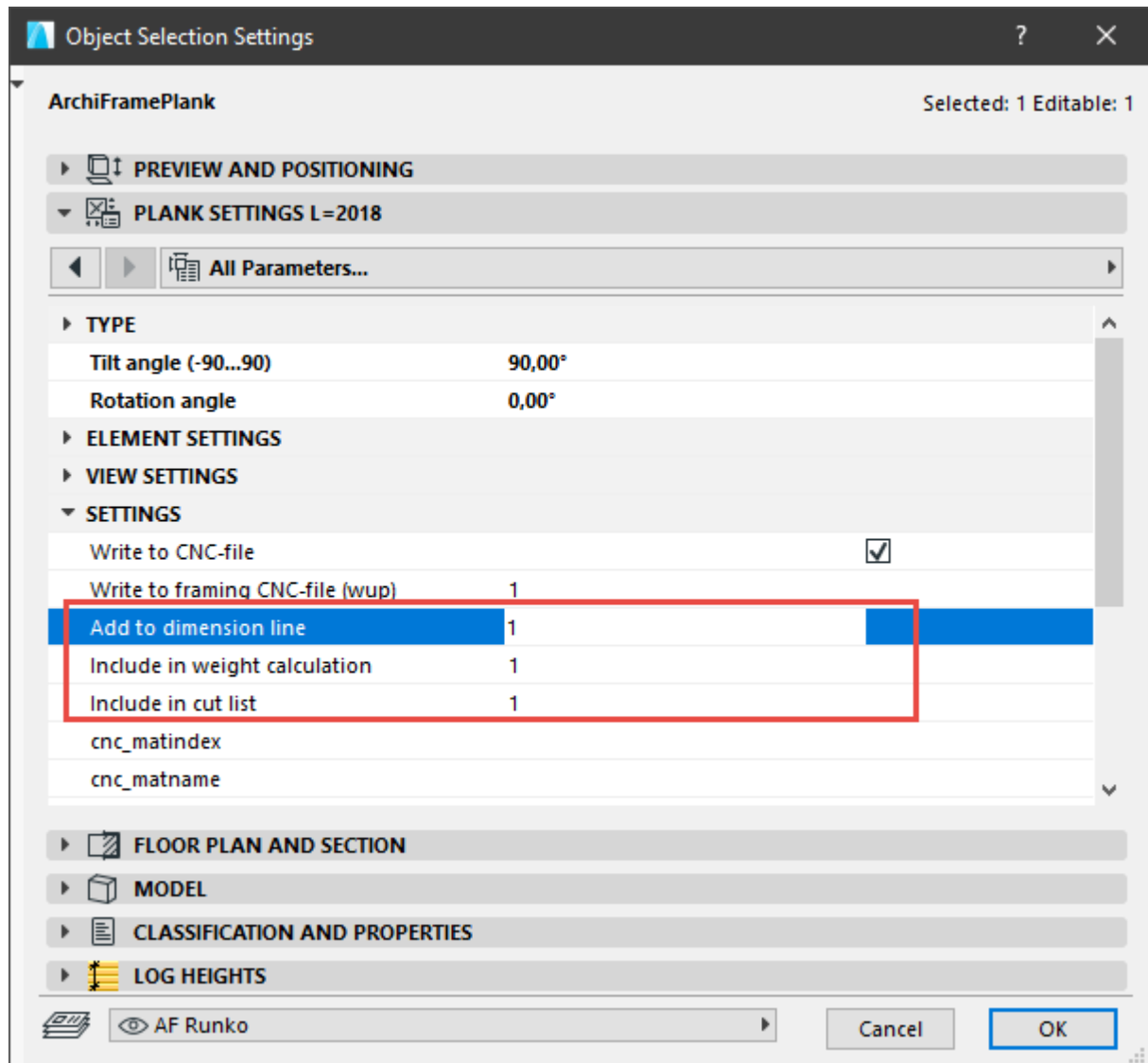
- New setting in top balk options:



9th August 2019

- Exploding cladding did not show cladding piece IDs after update – now default projection plank settings are applied to exploded ones.
- Weight calculation for planks having arcs in profile works now correctly.
- Projections update: Board colour was not updated if there were no other changes in the board.
- Archicad properties are synchronized between projections and 3D plank. Last changed element's properties are copied to related pieces.

- New settings for plank:



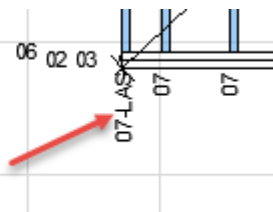
18th July 2019

- When printing not using automatically updating layouts, the arrowheads from lines were missing – fixed (dash line scaling problem still exists):



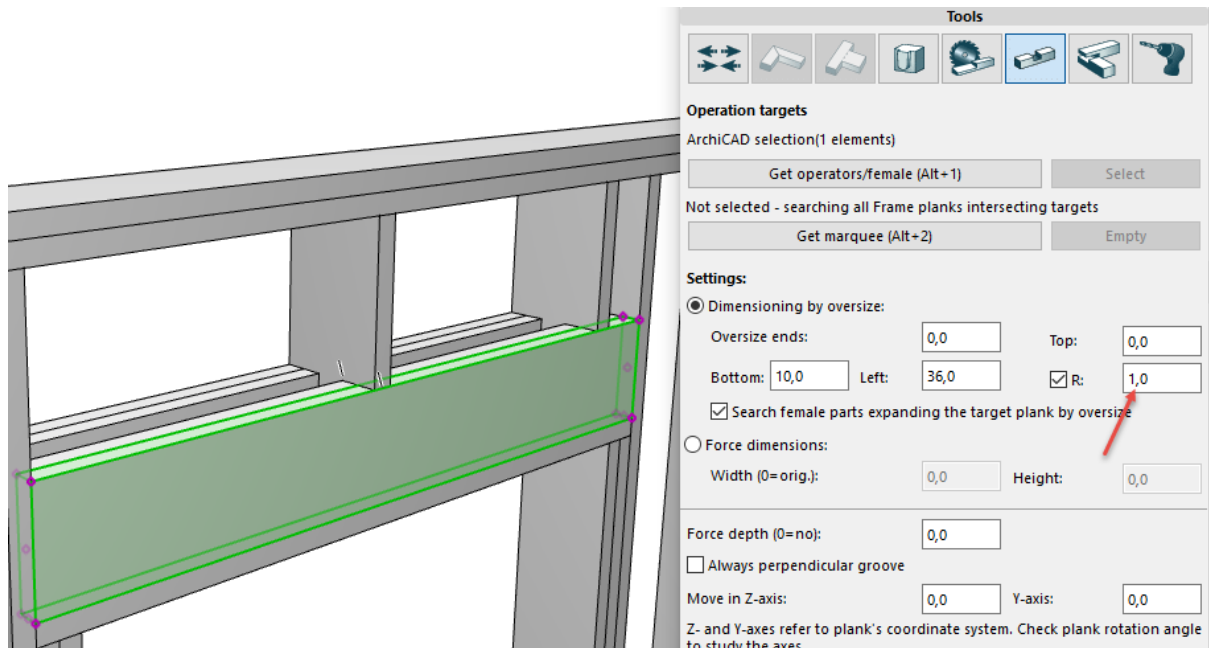
- Plank's ID generation used in cut list instead of the internal ID:

EW01 CORE			
Type	Len	Pcs	
(07) 36 x 198	2556	5	
(07-LAS) 36 x 198	2556	1	
(15) 36 x 198	1959	1	

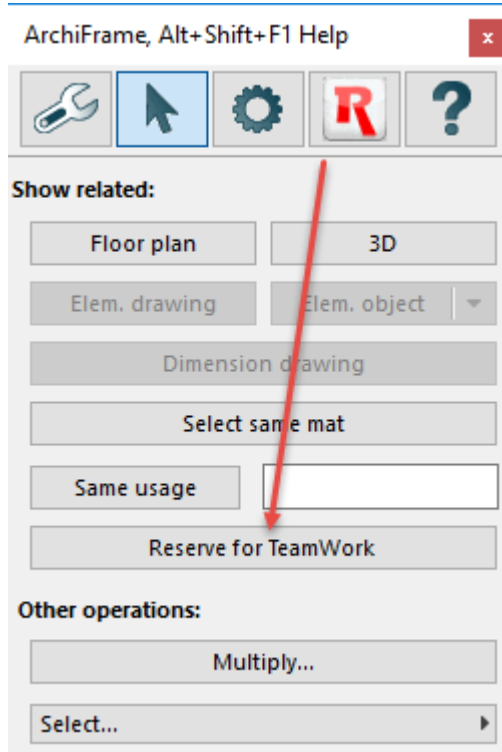


- Lintel grooves and all top balks (bottom balks and reinforcements have single oversize sides setting which is good to set to at least 1 mm): Added 1 mm oversize to the open side of the lintel to avoid rounding errors

related to CNC production, here 36 mm is the thickness of second beam:



- Reserve for TeamWork reserves now also all independent planks and other elements in selection (used to work only for parts belonging to elements):



- Another zstagger-fix

8th July 2019

- Keep projection piece settings better than earlier (for example ID position in middle)
- New zstagger-option caused change in z-direction in some cases for framing – fixed.
- New framing based on setting for own element layer: Floor/roof horizontal no sides
- Framing rule *Minimum distance between studs* is not any more applied to taugt corner pieces.

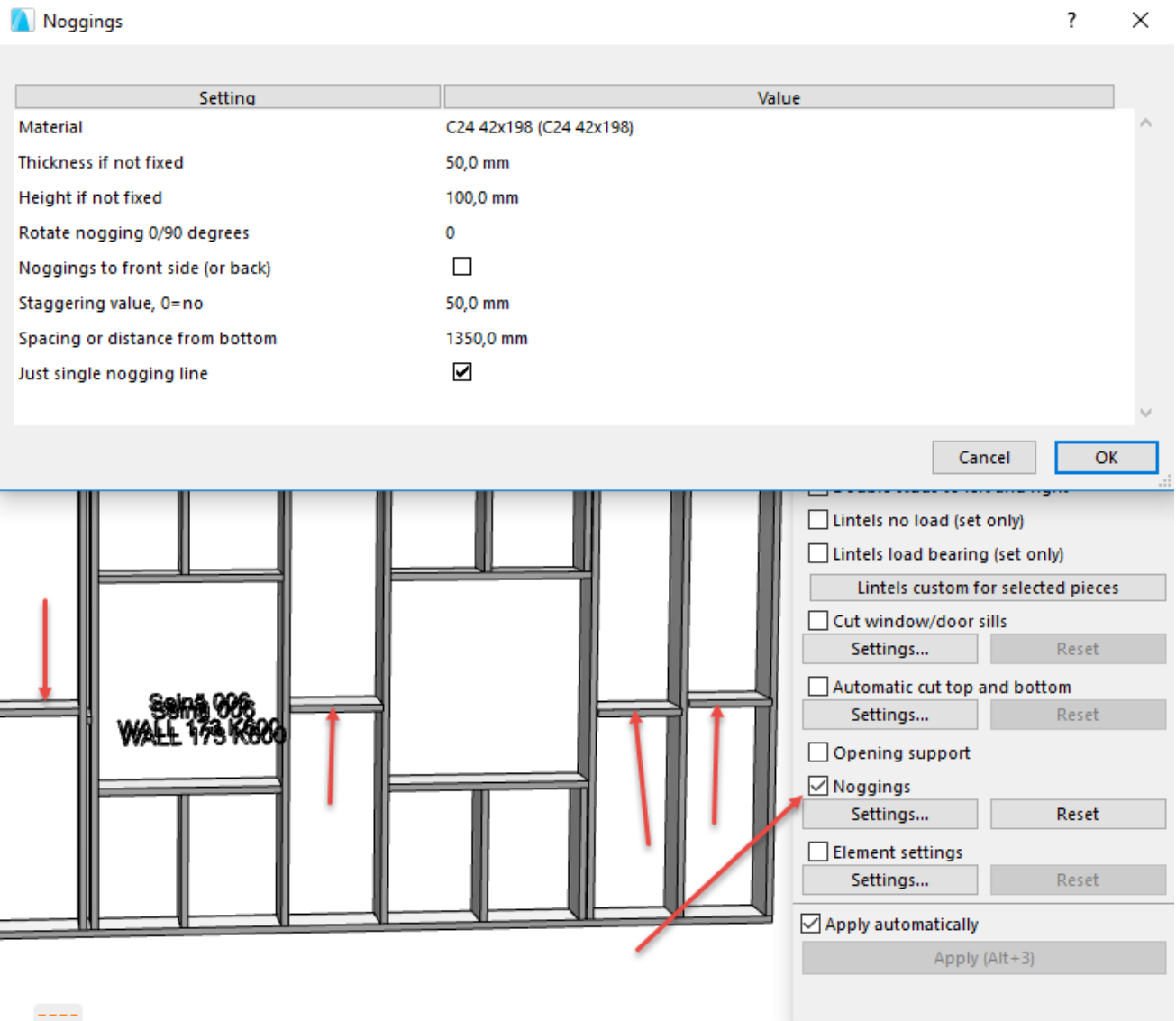
- Listing *.xls template files are now first searched from user specific settings folder. Allows easy use of custom Excel template files.
- Fixes to noggins-option

13th June 2019

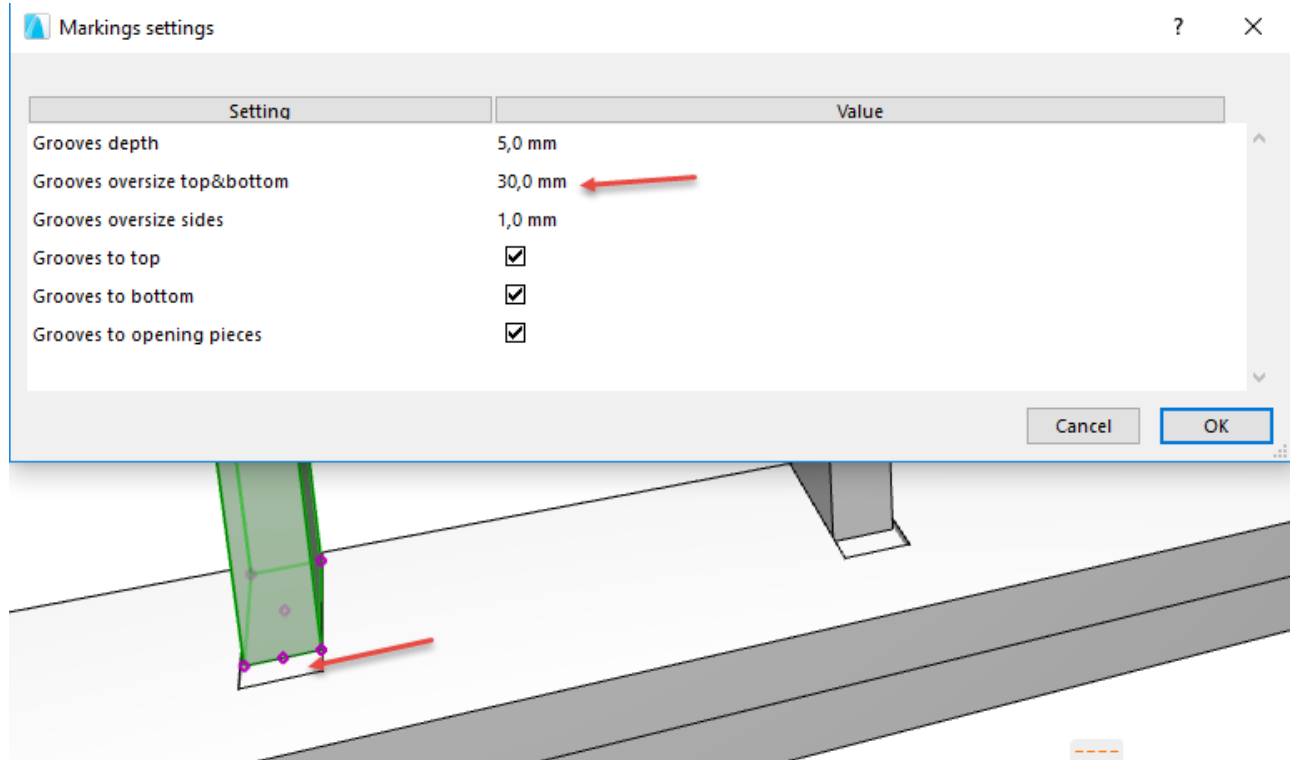
- Fixed previous beta versions' bug that projections did not apply projection settings – caused trace projections to appear as main projections.

10th June 2019

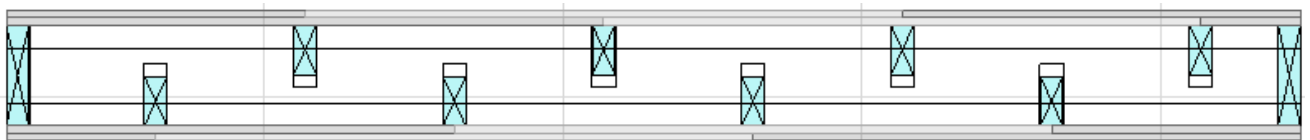
- Noggings element option:



- Marking grooves element options new setting oversize top&bottom/sides to allow overcutting for partial studs:



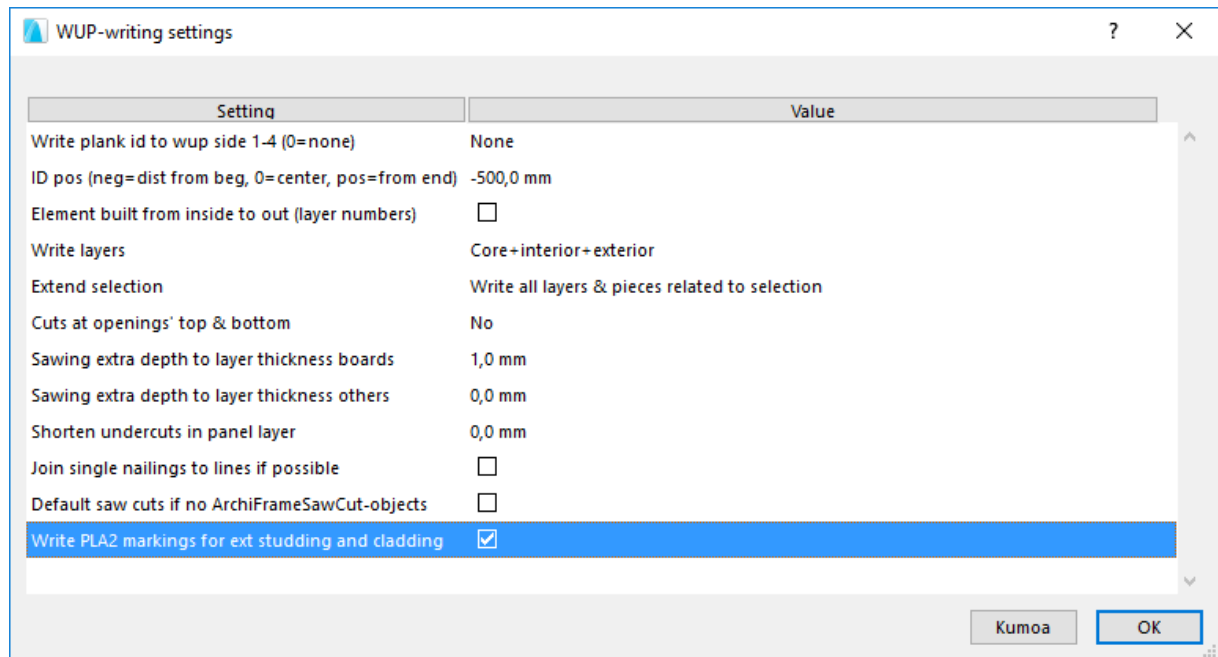
- Related to previous: Groove target side automation adjusted so that the grooves like above will be placed on front/back surfaces instead of top/bottom.
- New setting for own element types or xml-definitions to get staggered double framing. Setting value 1 to setting zstagger gives result like this:



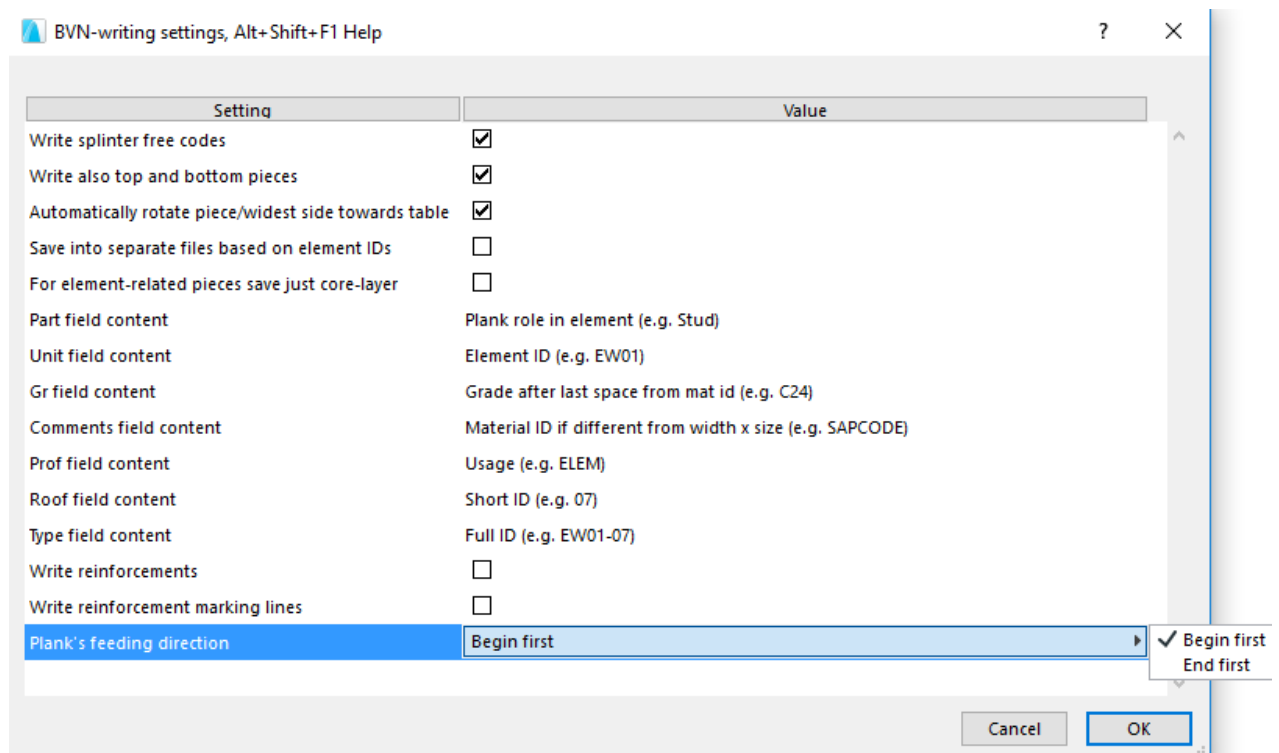
- Related to previous: Only studs max 10 mm from related framing element's surface are used for possible board edge places.

4th July 2019

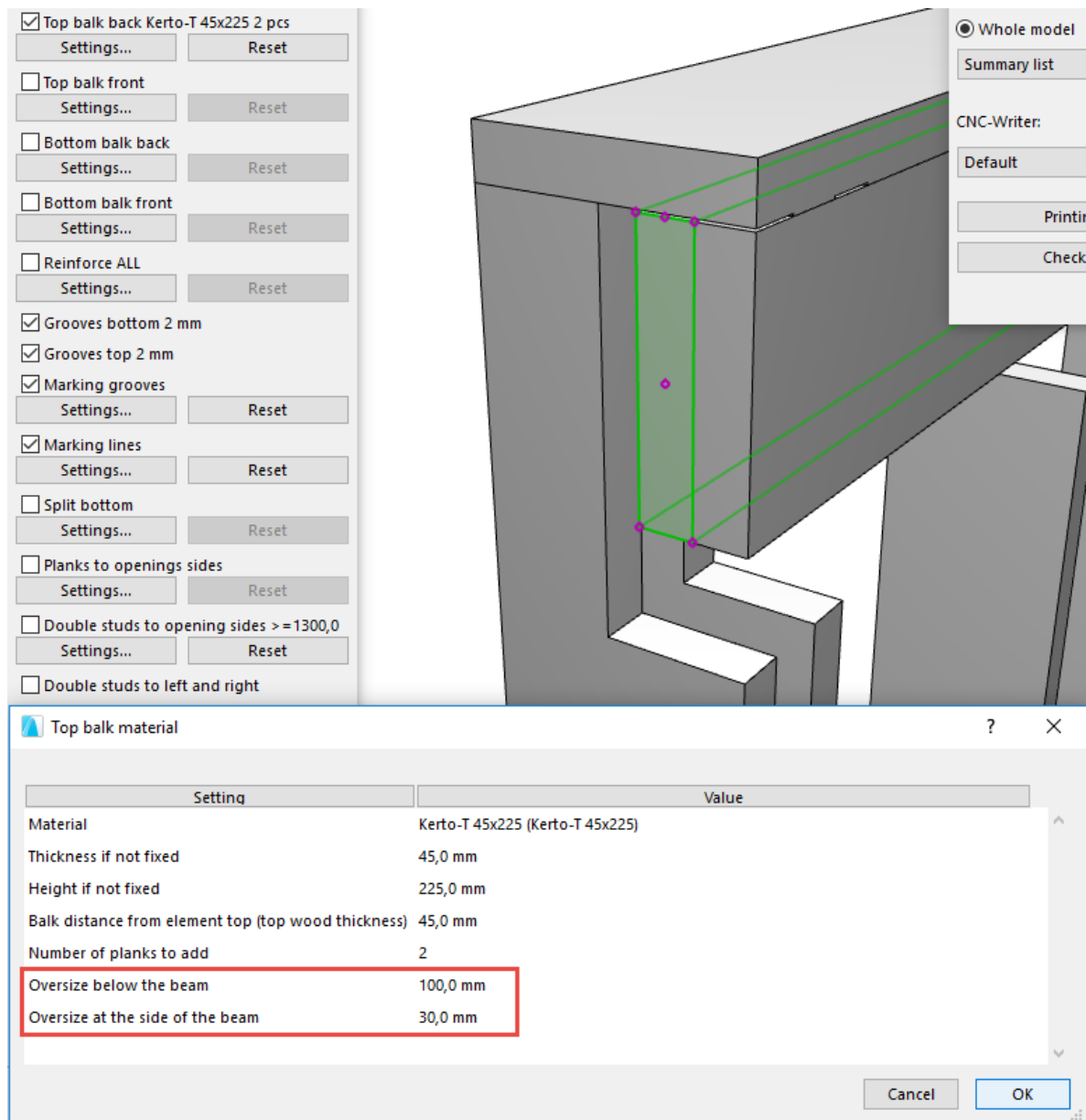
- New option in wup-cnc-writer:



- New option in Hundegger/bvn-writer:



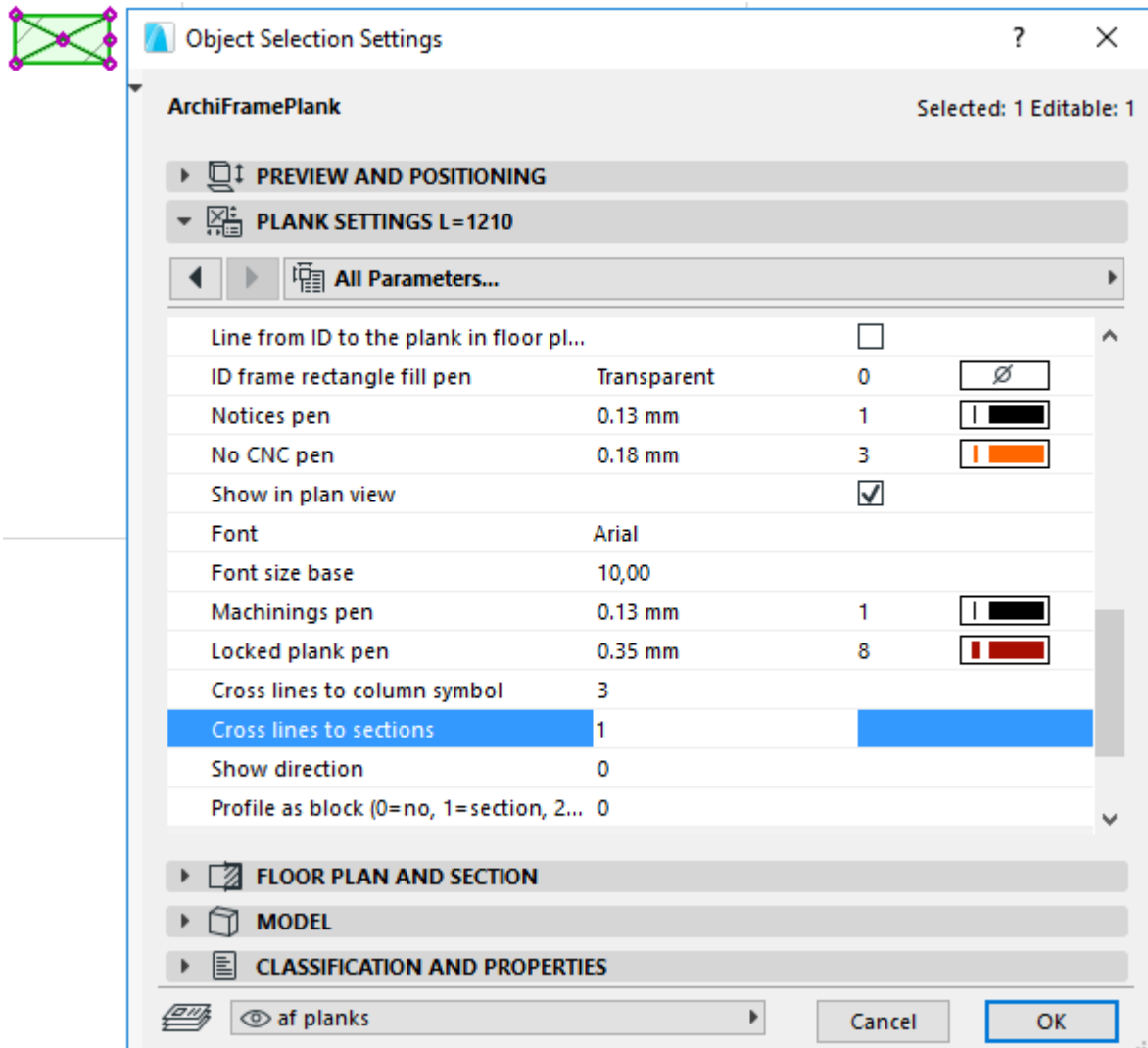
- New settings to top balk element option:



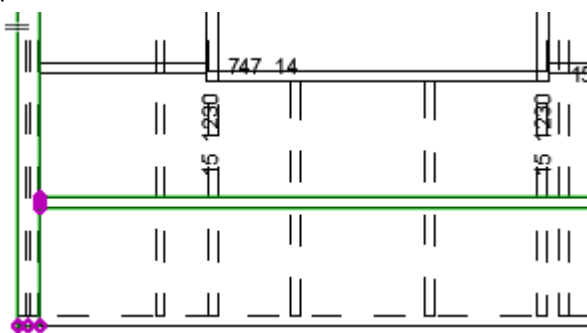
- Own corner types fix: Teaching the corner calculates the distance from edge to the last taugt piece skipping planks that are perpendicular to current edge. This allows for example picking beams to wall corners. Earlier spacing rule was not applied to beam's area.
- Markings element option: Now also door&window&neighbour markings follow the forced side setting.
- Printing: Print frames may be skipped and master layout can be set from the frame object's new parameters.

24th May 2019

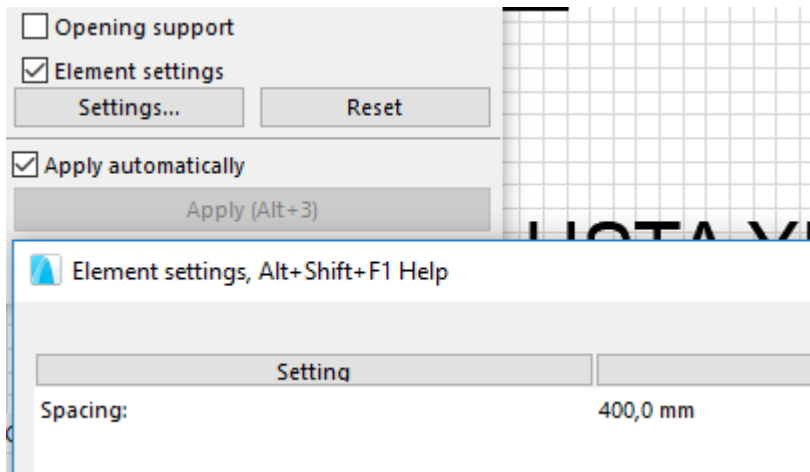
- Option to have X-lines for planks in section:



- Wup-cnc:
 - Nailings saved with zero decimals. In some cases WupEditor may have failed with older max two decimals.
 - Warns if top/bottom plates (OG/UG) are saved as BT4: E ERROR: TOP/BOTTOM PLATE DIRECTION INCOMPATIBLE FOR OG/UG (NOW SAVED AS BT4) - PLEASE SWAP DIRECTION OF top_force
- Board contour lines were missing in floor plan from version 10/2018.
- Bug fix: Corner rules for horizontal framing left the long pieces not created if leftmost or rightmost vertical piece was included in the corner rules. Selected horizontal piece was not created:

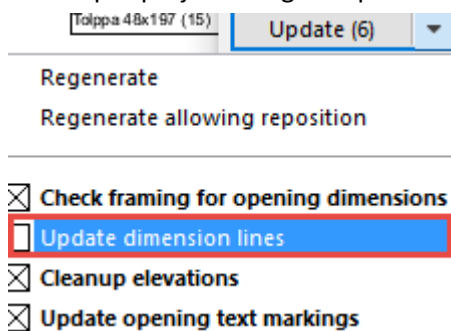


- Option to override spacing value for placed elements:

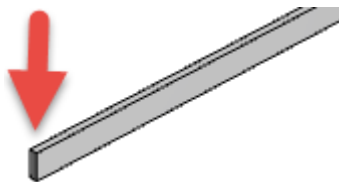


8th May 2019

- Zero depth projections got duplicated dimension lines if this was not checked on:



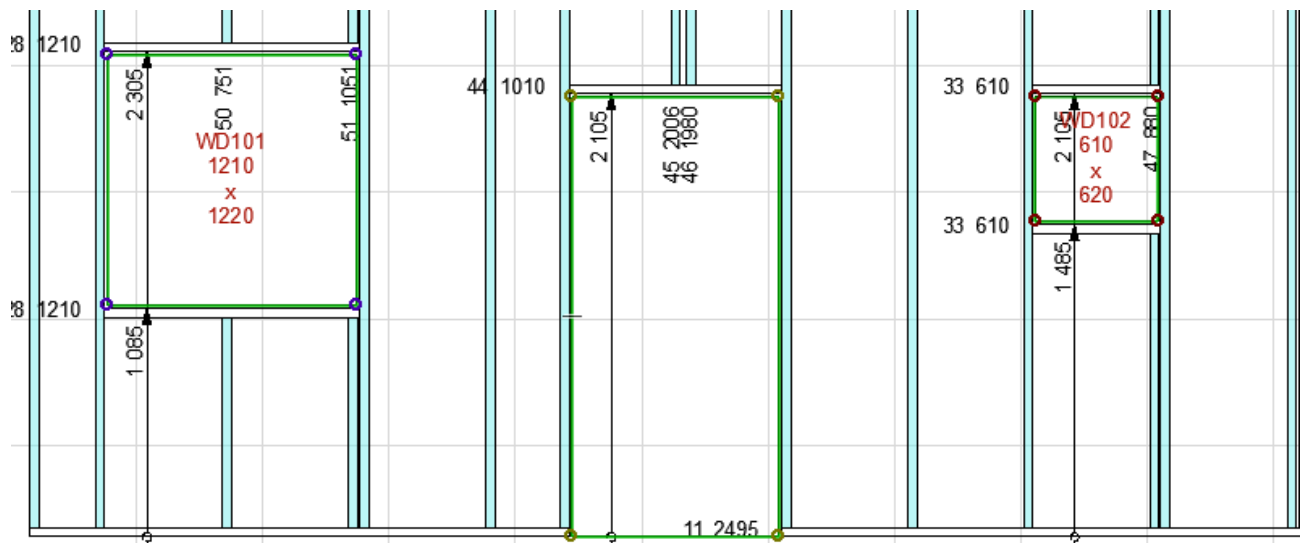
- Creating layouts now in 1/2 - 1/3 time compared to earlier starting from AC v 22
- BTL-CNC-file: Straight beveled only cut may have be missing:



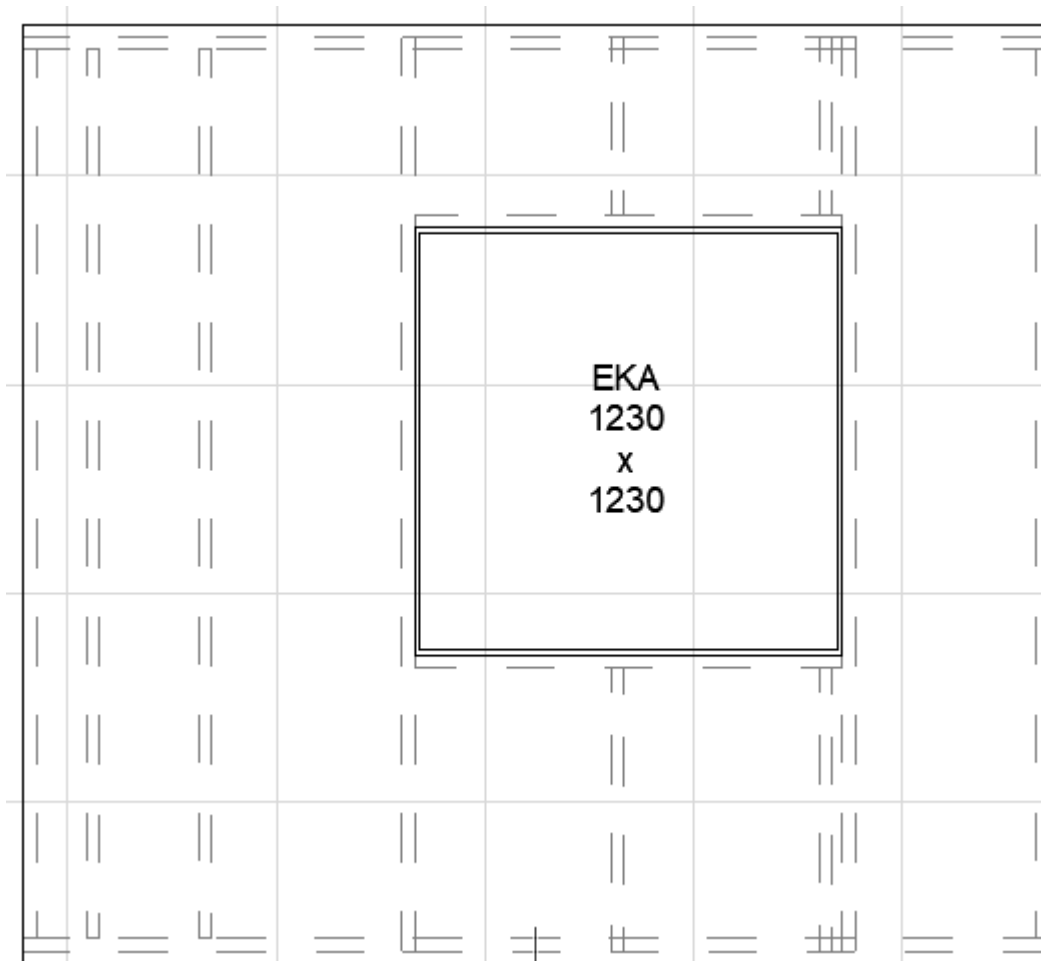
- BTL-CNC-file: Lengthwise cut had incorrect flag-parameters that caused MobiOne not to make the cut

18th April 2019

- Possibility to have lines for window frames. Requires using frame sizes+oversizes for Archicad doors and windows:



- Possibility to add main framing contour lines to the projection:

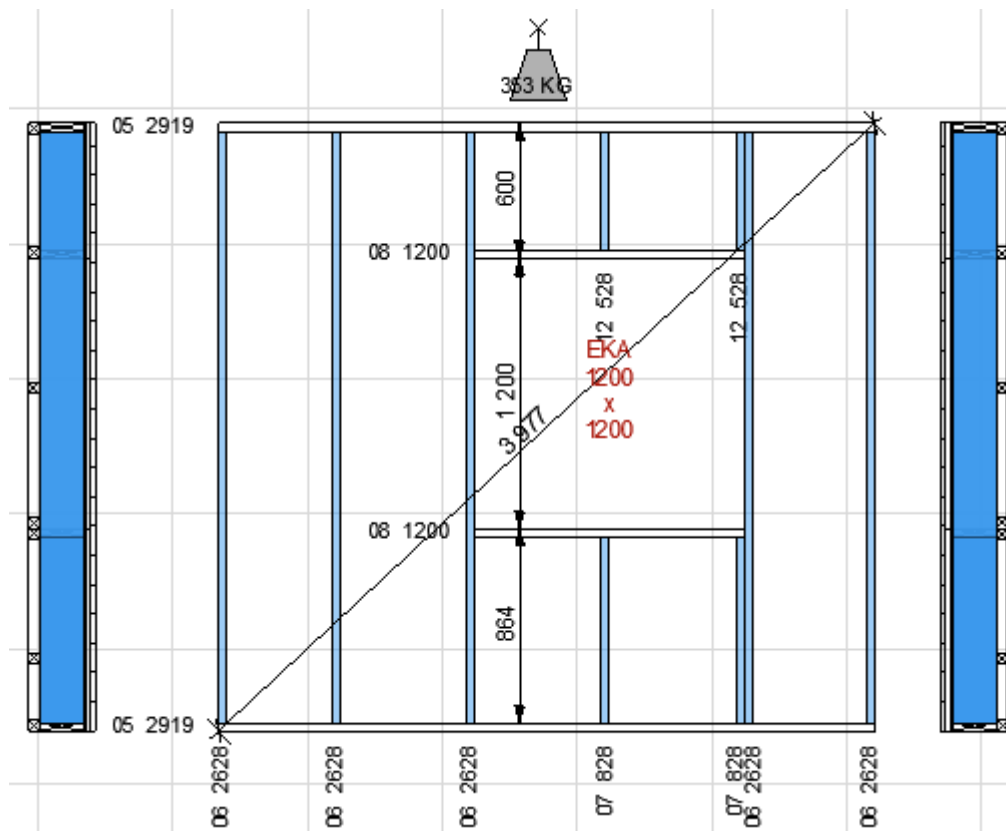


- Balk show option both ends:

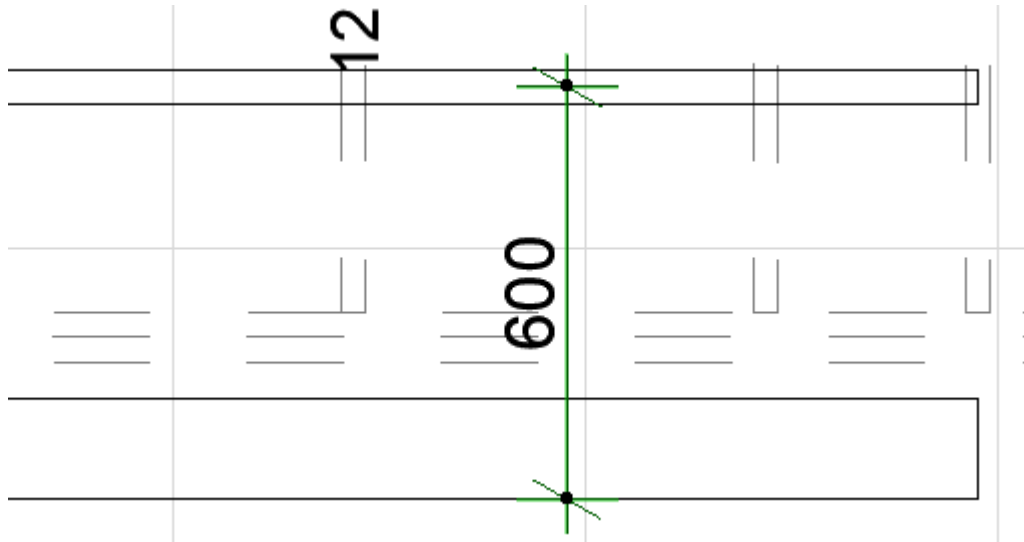
Frame machinings, Alt+Shift+F1 Help - Karstula

Machining list	
Tools	
Manual edit	
Add new single:	Select...
Type:	SHOE01
Side:	Bottom
☐ To begin ☐ To end ☒ Both ends	
Metal thickness:	0,0030
Height (0=automatic):	0,0000
Length bottom (0=automatic):	0,0000
Length sides (0=automatic):	0,0000
☒ Extend outside ☐ Extend inside	
☐ Extend over connecting piece's top	
Material:	MISSING
Cancel Add	

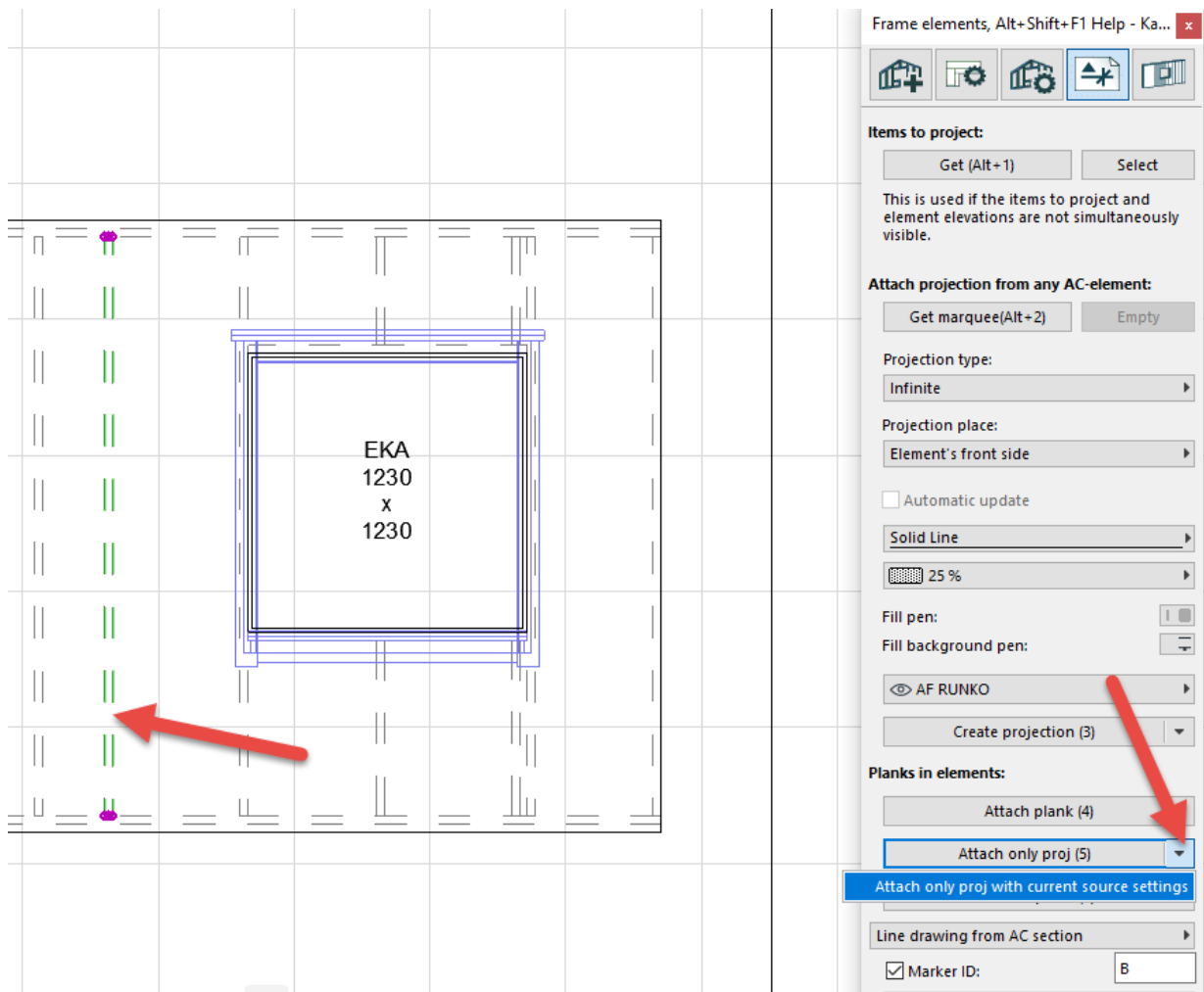
- Groove placement internal logic improved to avoid bad grooves.
- Projections type="left" and type="right" added:



- Spacing from L/R with rotated piece bug fixed – now correct:



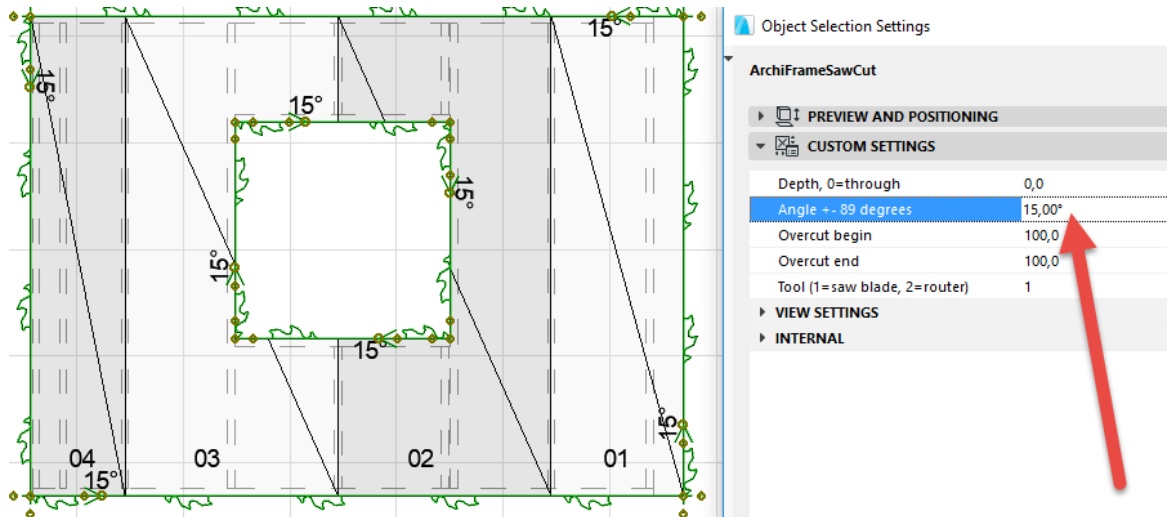
- New option to attach projection using its original settings instead of for example dashed main framing:



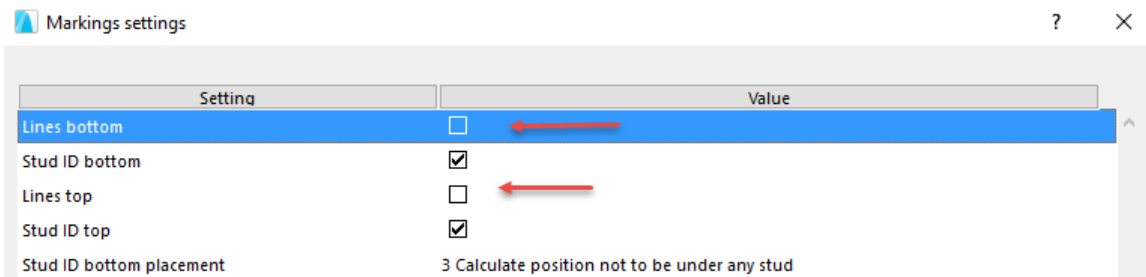
28th March 2019

- When exploding cladding producing different types, each type is grouped into its own group in 3D model.

- BTL-CNC support for ArchiFrameSawCuts-objects: Positive angle cuts more in watching direction:



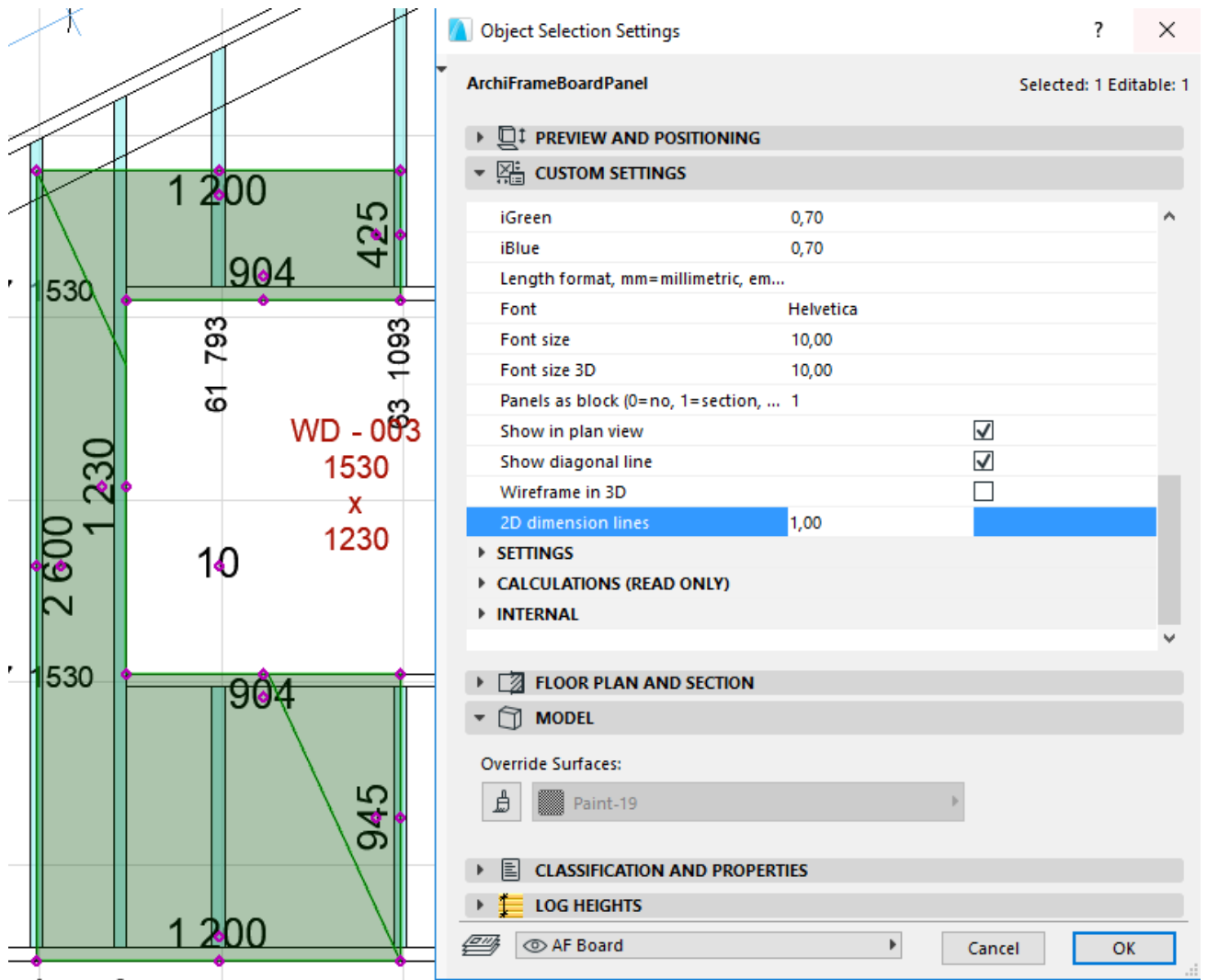
- Free projection tool improvements
- Board object projection fixes (was sometimes projected wrong in free sections)
- Element options/marking lines unchecked lines now leave markings not created – came earlier:



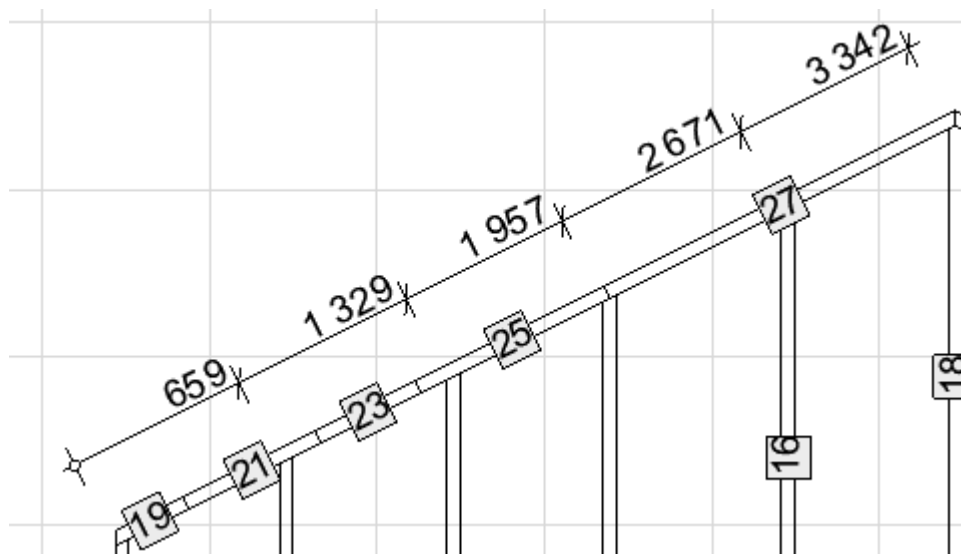
- Planks & boards in the same layer are now both included in the related cut lists (not for cladding layer).
- Online help changed from pdf to web-based. Now Mac users will get context sensitive help easily by pressing Option+Shift+F1.
- Nailings improvements.

5th March 2019

- Parameter to add dimensions for each edge for boards in 2D:



- Gable wall dim line now combines cut top plates into same dim line:



- Possibility to set stud fill pen in own element types:

Custom Element Layer Settings, Alt+Shift+F1 Help

Wall 48x198

New Duplicate Delete

Single layer settings

☒ Enable editing (check to edit current item)

☐ This type is available only for current project file

Based on: Framing

Layer ID: Wall 48x198

Settings to template: Weight settings...

Move behind in watching direction to... @zoff

Plank rotation top plate 0.000000

cnc_top 1.000000

layer_top_plate

Spacing 600,0 mm

Spacing tolerance 20,0 mm

Main framing rule (please see help) 0.000000

Material ID 04.301.008

Move behind in watching direction 0

Plank/board rotation 0.000000

Material tilted @matid

Studs fill pen, empty=default, -=none 3

cnc_outputline module=(WALL198)

- Wup-cnc: ArchiFrameSawCut-object's depth sign is now set by wup-writer
- Printing with automatically updating layouts: Pictures now are handled when calculating clipping area.
- More options for btl-cnc-saving:

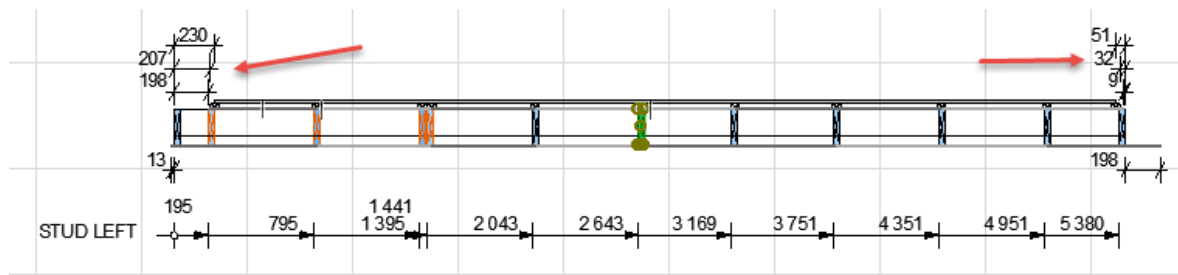
BTL-writing settings

Setting	Value
Element built from inside to out (layer numbers)	☐
Start and end offset (extra at begin and end of eac...	20,0 mm
Save into separate files based on element IDs	☒
Extend selection	Write all layers & pieces related to selection
DESIGNATION field content	Plank full ID (usage), e.g. EW01-01 (ELEM) DEFAULT
MATERIAL field content	Solid Wood/I-Beams, e.g. Solid Wood DEFAULT
TIMBERGRADE field content	Grade after last space from mat id (e.g. C24 from 50x100 C24)

Cancel OK

- Fixed layoutminheight="x" valign="y" settings, now it is possible to leave some reserve space above the projection.
- ArchiFrameBoardPanel-object: Setting the line type now affects projections.

- Top projection has now automatic layer offset dim lines on by default in default data:

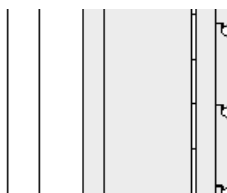
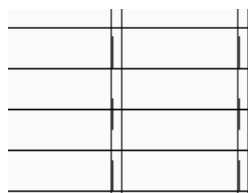


5th Feb 2019

- Script based dimension lines did not work because of earlier beta-version's bug – fixed.
- More options to script-based dimension lines – please see the manual
- Fixed option *Planks to opening sides* with *Double top* on: studs were too long

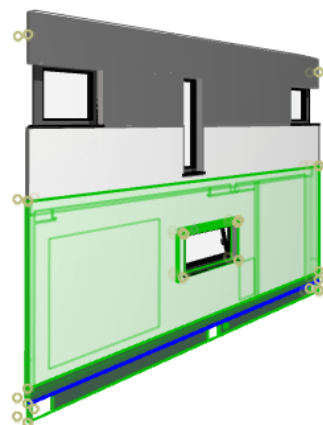
30th Jan 2019

- 24th Jan version dumped message even if no ArchiFrame-elements changed:
Failed to suspend groups (err=APIERR_REFUSED_CMD), please undo and suspend groups manually before trying again.
- Hundegger-bvn end shape improvements
- Printing & creating layouts:
 - Master layouts are now sorted by name
 - Master layout can be changed for existing layout when updating
- Plank projections now automatically show real profile if ArchiFrame-section is in 90 degree angle to the piece, below front elevation and section:

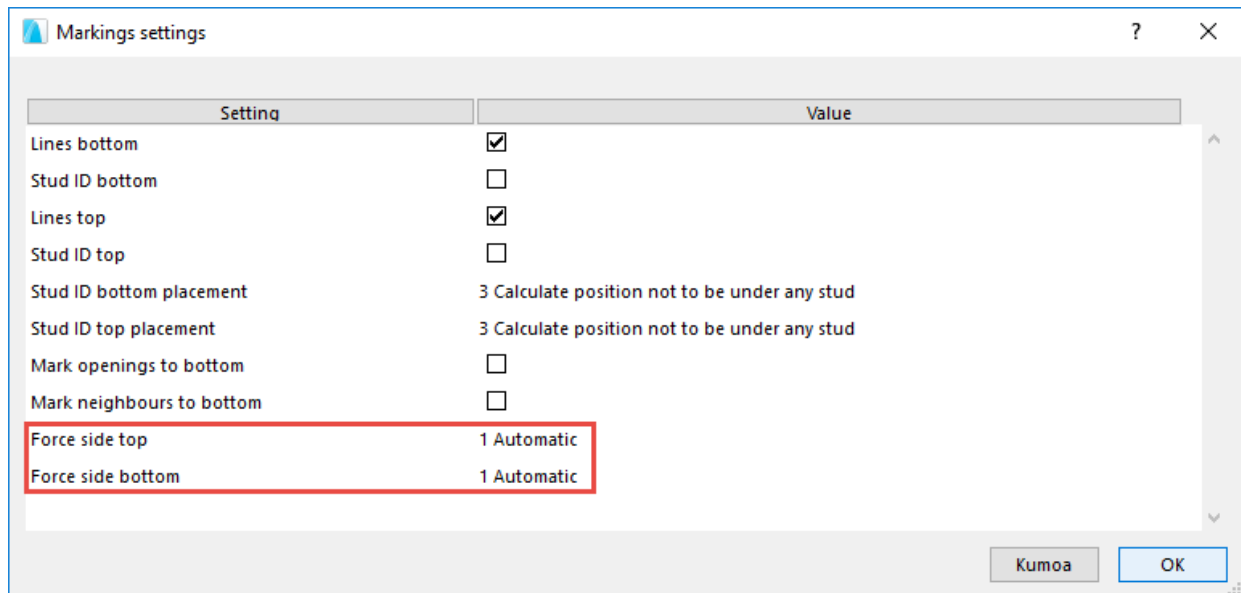


24th Jan 2019

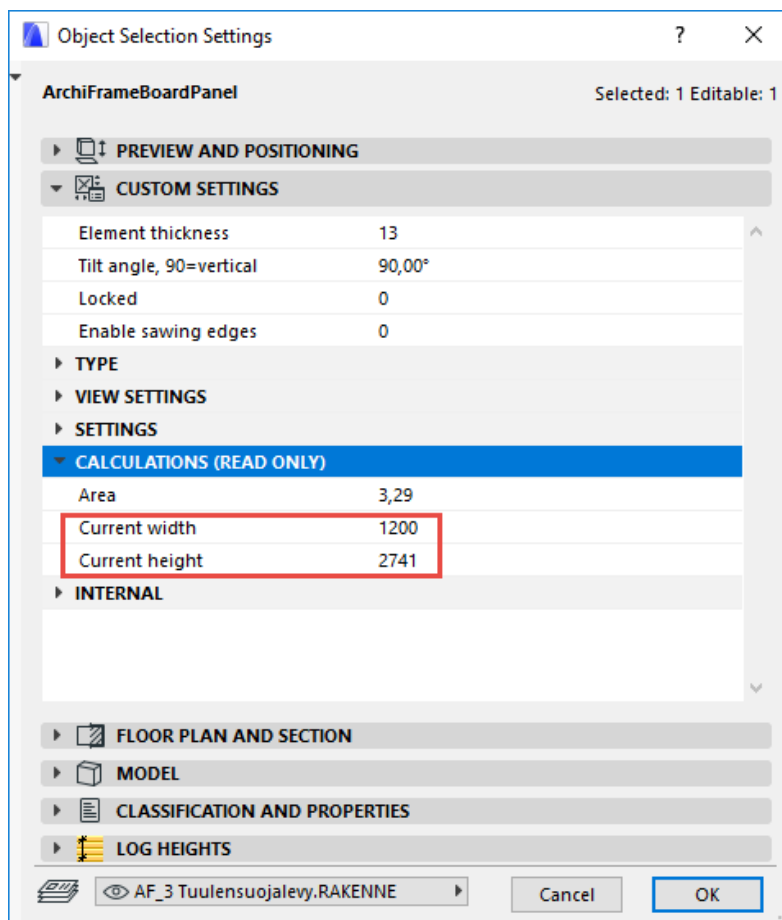
- When placing wall elements with line ArchiFrame now expands search of source walls to all walls having common reference line. That allows finding for example thinner wall from upper floor:



- New setting related to marking lines:



- Element opening weight calculation changes:
 - If ArchiFrameElement-object is not connected to any Archicad wall and is vertical, all holes in the element are treated as windows.
 - In above case a warning is issued: Element EW-01 - Copy is not linked with any Archicad-element, weight calculating treats all element holes as windows.
- New parameters for ArchiFrameBoardPanel-object to be used in calculations:



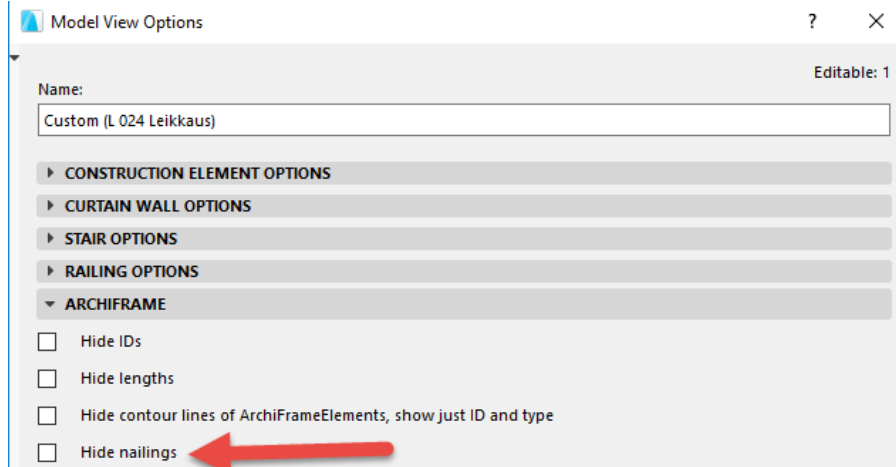
- Copy & paste ready element to another storey is now supported. Please suspend groups before pasting since Archicad API does not allow ArchiFrame to do it automatically when pasting.

- BETA-version bug: Cut lists for boards were missing Pcs column:

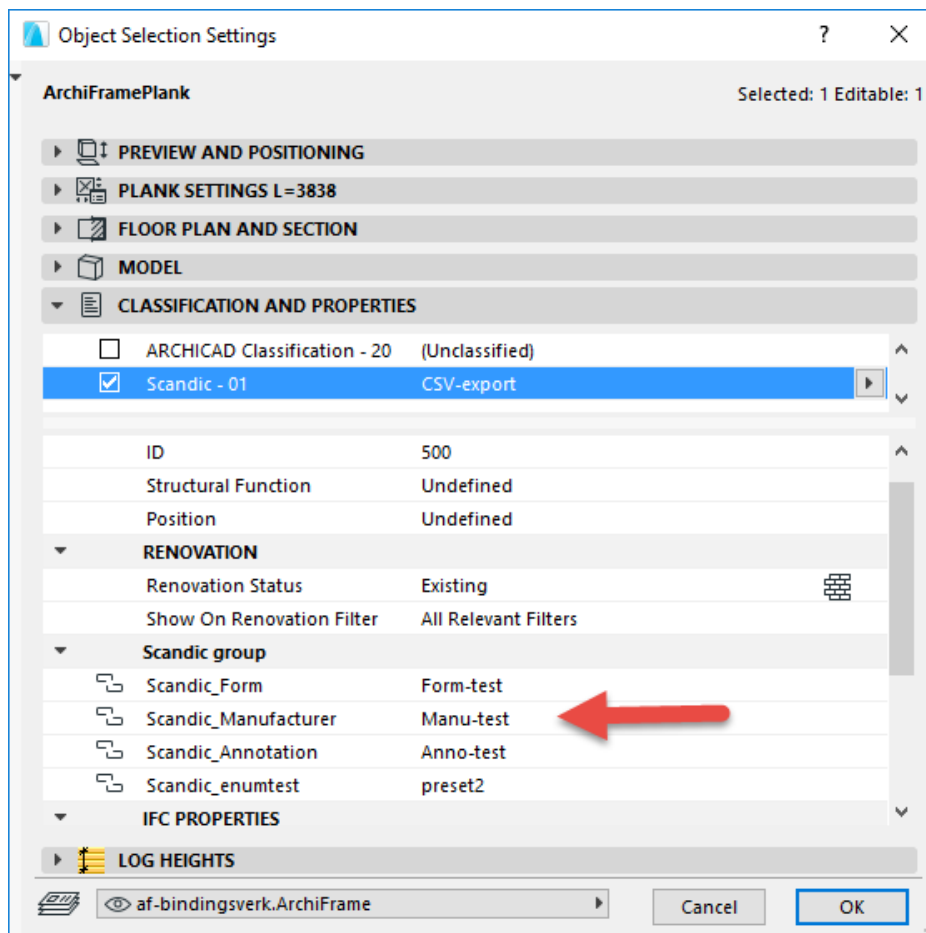
BOARD EXT

Type	Pcs
Kipsi TS 9 x 1200 x 3000 (06)	8
Kipsi TS 9 x 1088 x 3000 (08)	1

- New Model View-option to hide nailings:

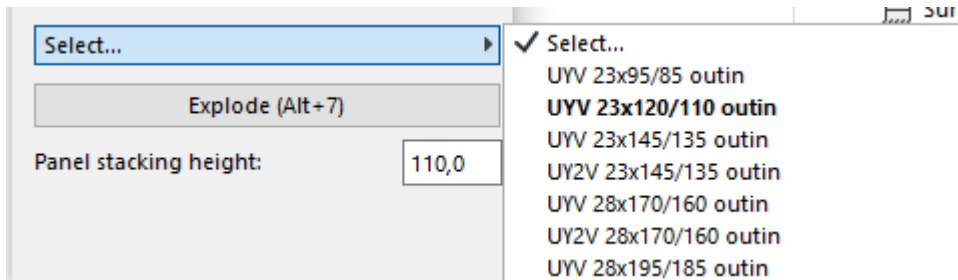


- Possibility to use Archicad-properties in listings – these:



7th Jan 2019

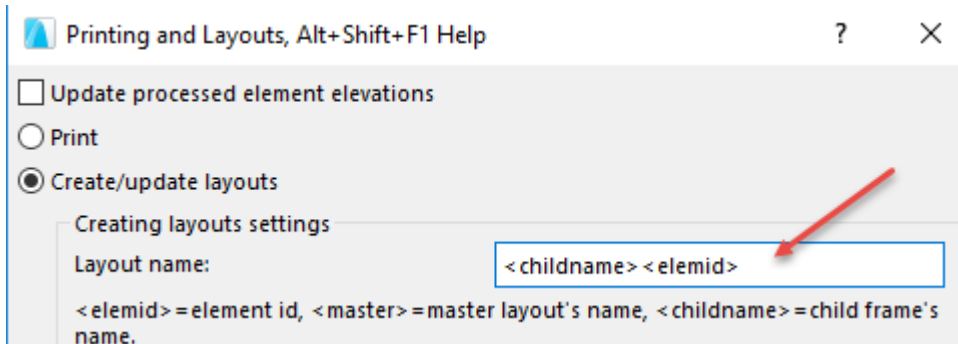
- Cladding type list shows current selection's type bolded:



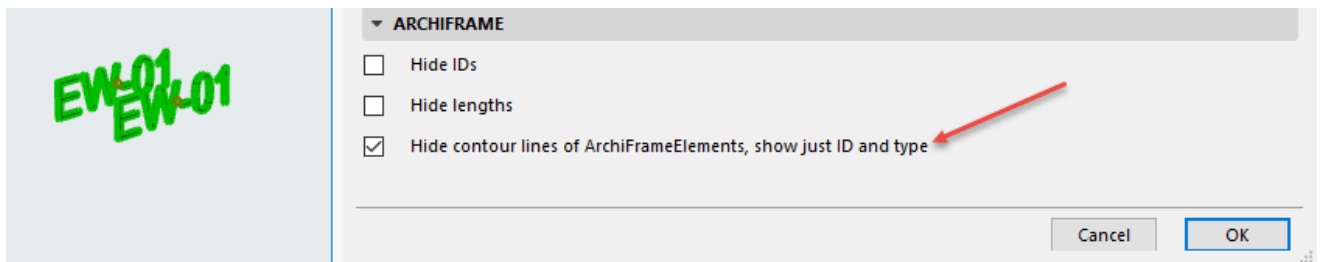
- Fixes to beta-phase section tool

10th Dec 2018

- More control over layout naming here (<childname> for multi-layout elevations):



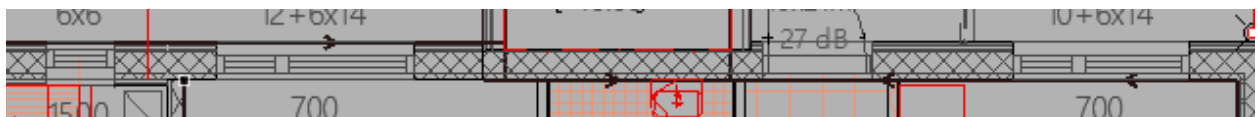
- ArchiFrameElement-object follows this Model/View-option also in 3D to show just the ID:



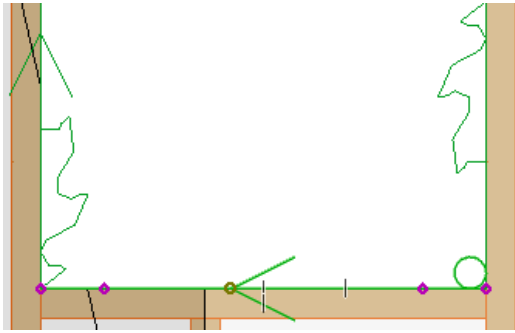
- When exploding ArchiFrameBoardPanel object to separate cladding pieces following parameters are taken from the ArchiFrameBoardPanel-projection object:

- Fill type
- Take fill colour from 3D-material

- Separate walls making single element can now have opposite directions like this:

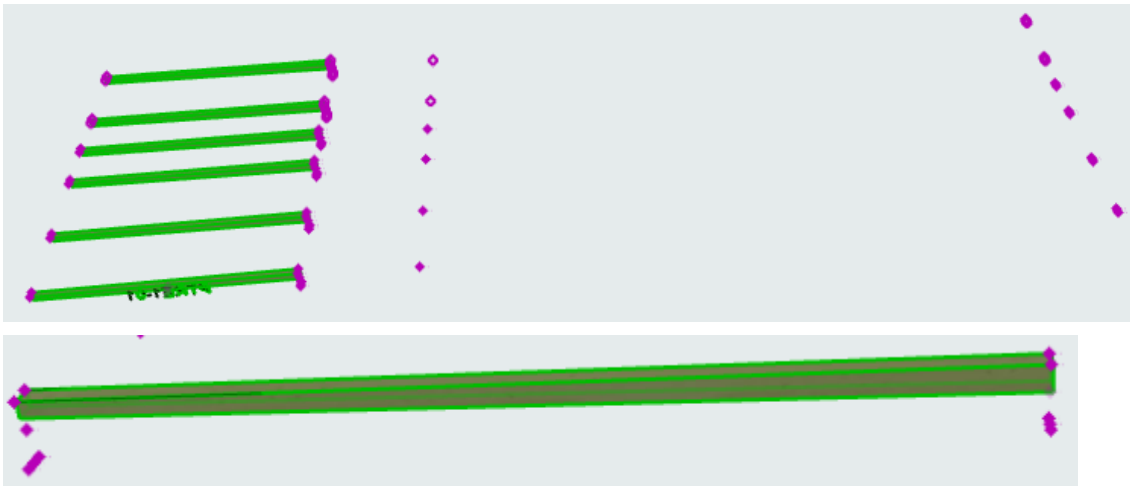


- Wup CNC: Possibility to change saw cut into routing from object settings and automatically select the router for undercuts below 300 mm (setting in ArchiFrameElements.xml):

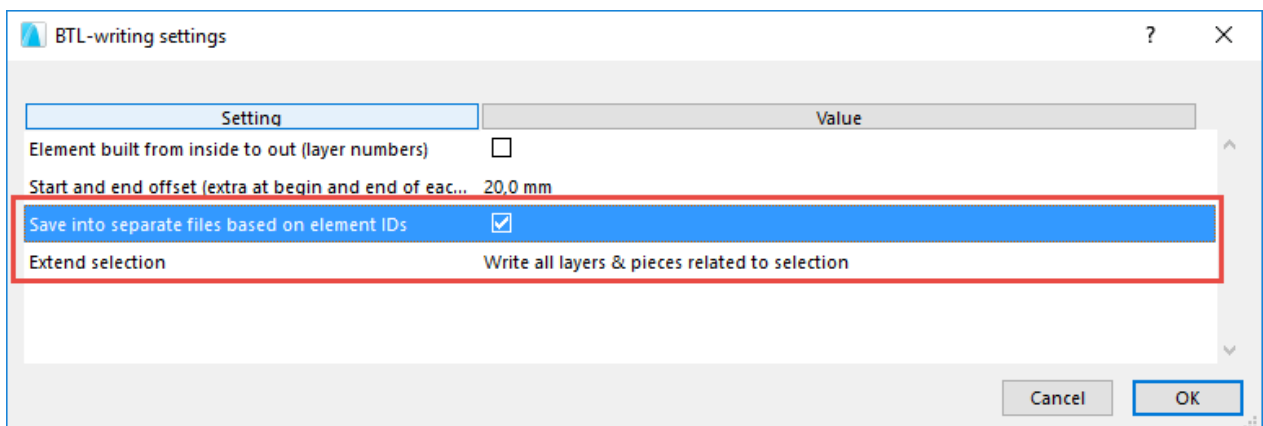


26th November 2018

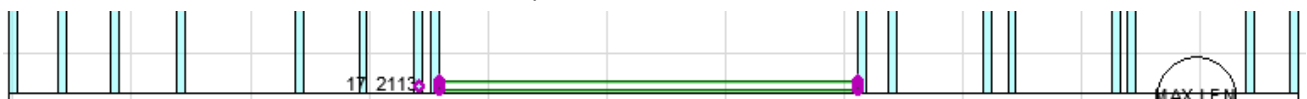
- Bug fix: Marking stud IDs failed if top/bottom plates were not in element's direction but were swapped by user.
- Bug fix: Hotspots out of the plank if angled ending cut was longer than the part, now these hotspots are limited to original corner points:



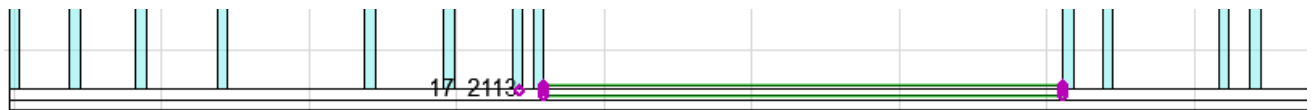
- Bug fix: Board geometry copied incorrectly sometimes during copy whole element, mirror & copy and mirror-operations.
- Btl-cnc new options:



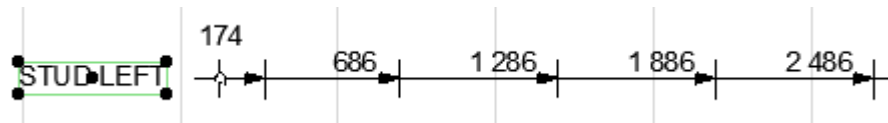
- In cases like below double bottom element option was unable to add double bottom:



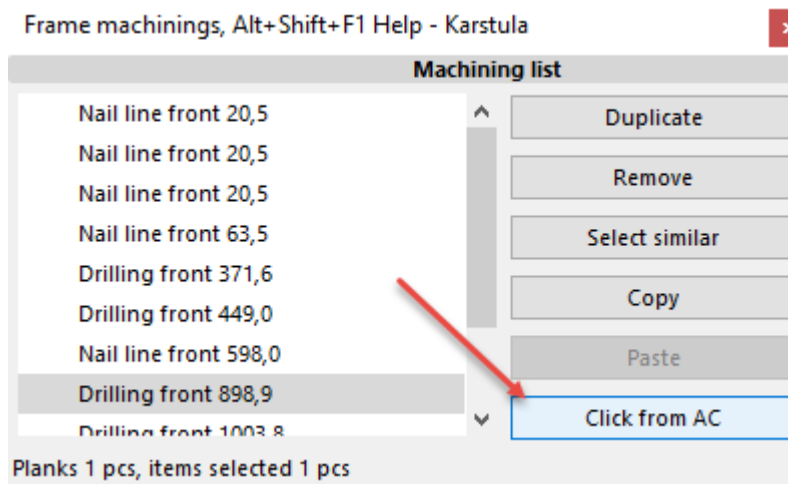
After the update the result has overlapping pieces and it is up to the designer to fix this:



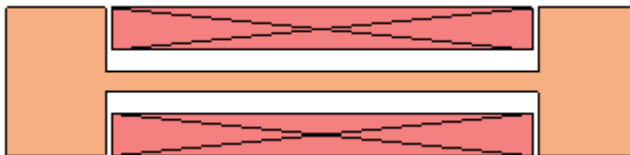
- Texts related to dimension lines in elevations are now put to dim line's layer instead of plank layer:



- Movable hotspots for marking lines in planks & boards
- New button to select clicked machining from machinings list:



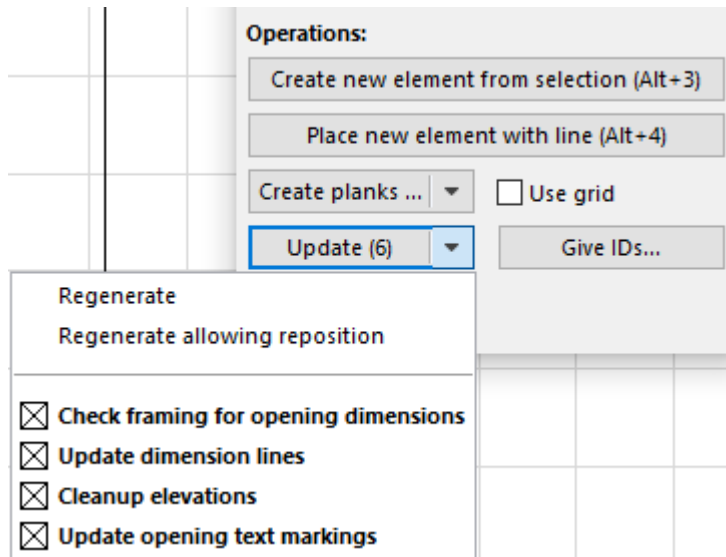
- Check for doubles, added a special case to avoid reporting manually placed reinforcements:



Please note that only Archicad's Collision checking tool or Solibri performs real 3D-collision checking. ArchiFrame uses rectangle plank profile without any machinings when searching for duplicates.

- Related to previous: Element tools/Update set showing ID on to these reinforcement pieces. Now projection is not updated if the difference is just Show ID-parameter and IDs remain hidden.
- Copied ArchiFrameElements get suffix " – Copied" or " – Mirrored"
- Possibility to force point nailings placing ArchiFrameNailings-objects over elevation, please see the manual.
- Lua script based dimension lines
- Bug fix: Planks could be considered different even if they were similar (related to feature where machinings were assigned an ID to keep dynamic dimensions correct if machinings were edited).
- Bug fix: Opening offsets were sometimes shown wrongly in multilayered elements.

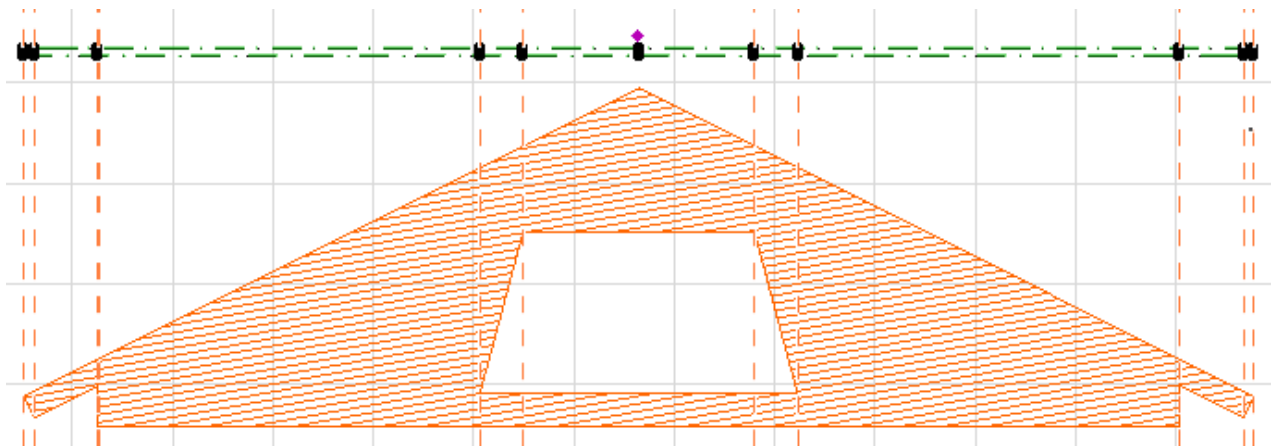
- New option for updating elements:



- Bug fix: Cross dimension line for back projection did not work

27th September 2018

- ArchiFrameTruss-object shows now all outline polygon points:

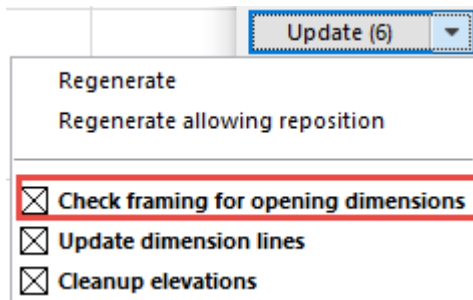


- Framing rules for layers that were following other layer may have added extra planks to begin and end of the layer and did not add planks from spacing rule if followed layer did not have any studs for area wider than the spacing value.
- Bug fix: Back projection placed dimension lines swapping top and bottom, now as they were defined in ArchiFrameElements.xml
- Bug fix: CNC-writers, removed warning about UNSUPPORTED MACHINING 1000 for balk shoes. No change on the file content.
- Wup cnc: Board polygons are written; drill depths are taken into account; minor
- Note for ArchiFrameSawCut-objects on hidden layers
- Btl cnc: ID is moved towards begin of the plank if it does not fit fully

11th September 2018

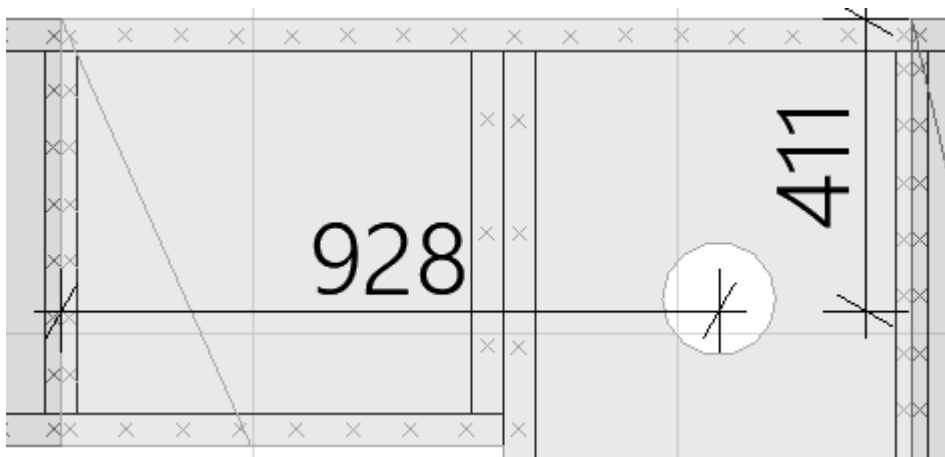
- Element tools/levels edit boxes now follow the core layer if you have all layers from the element selected.

- BTL cnc-output: Angled groove was written as not cutting the whole plank – H&M cnc-import failed to get the groove right. Now extended to whole plank.
- Listing CSV Transportation: Now writing unicode/utf8-characters
- Backwards compatibility option – this was changed to be on by default, older versions worked like having this unchecked (please see the manual):

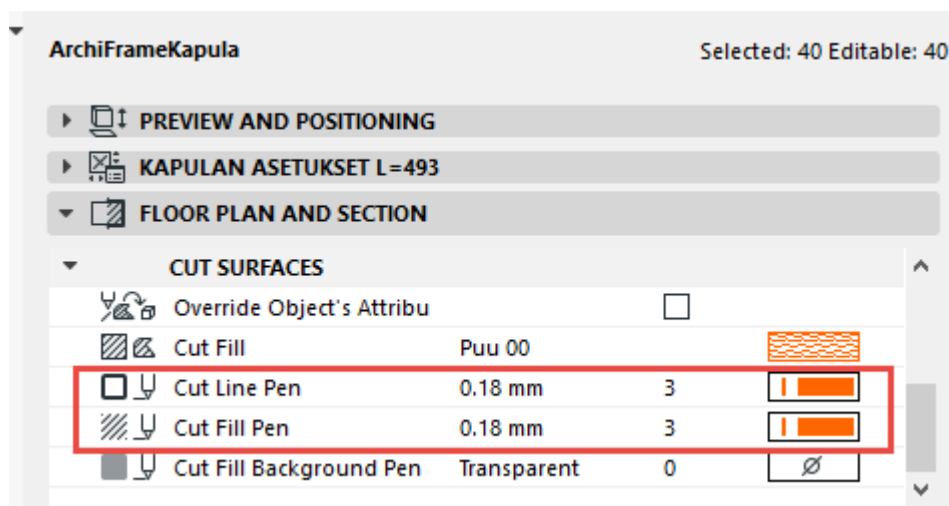


3rd September 2018

- Element opening offsets setting was changed sometimes to Unknown even if it was a listed type
- ArchiFrame keeps existing machinings hotspots' unique IDs as they were when adding new machinings. This way for example manually placed dynamic dimensions for board drilling remains in place even if new drillings or nailings are added:

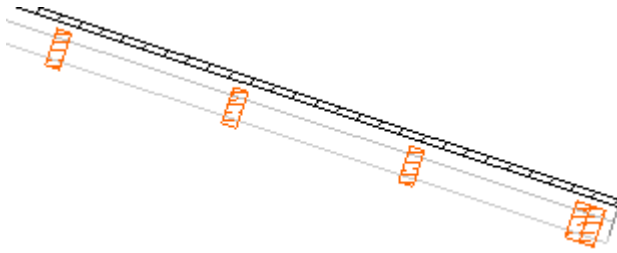


- BTL-CNC: Automatic ID text will now be moved to avoid collision with drillings too. Earlier just grooves and other markings were checked.
- Improvements in section pen/fill settings:
 - Add section-command follows these pen settings, due to ArchiFrame's limitation the pens should be the same:

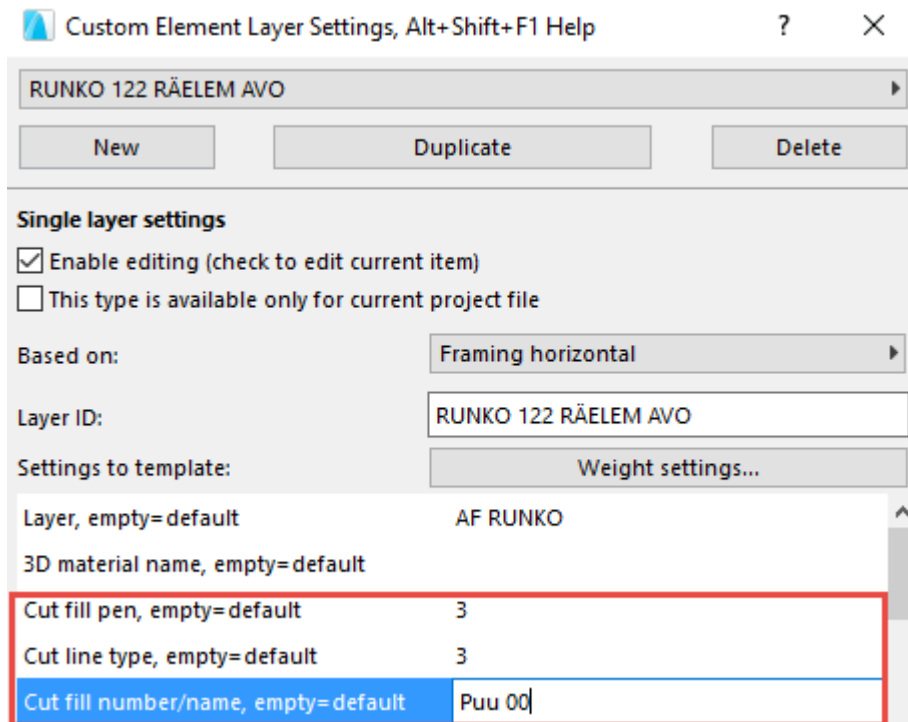


- For technical reasons ArchiFrame does not draw fills, just lines.

- o These settings are synchronized between projection and 3D-pieces by ArchiFrame
- o For example, a roof element:



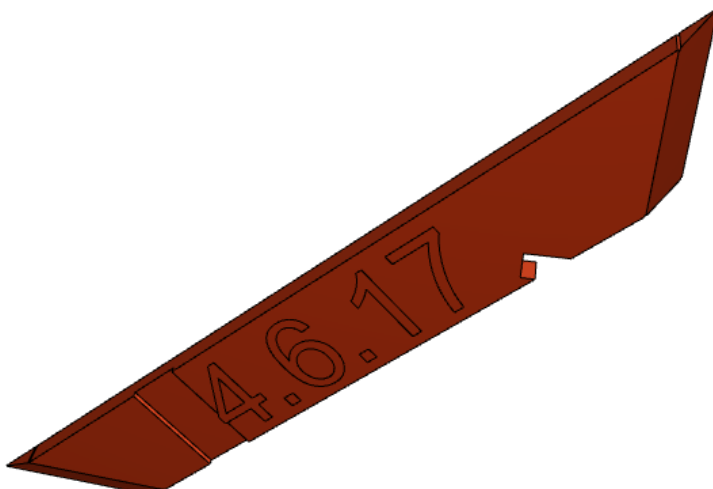
- o It is possible to set section attributes in own element layer settings:



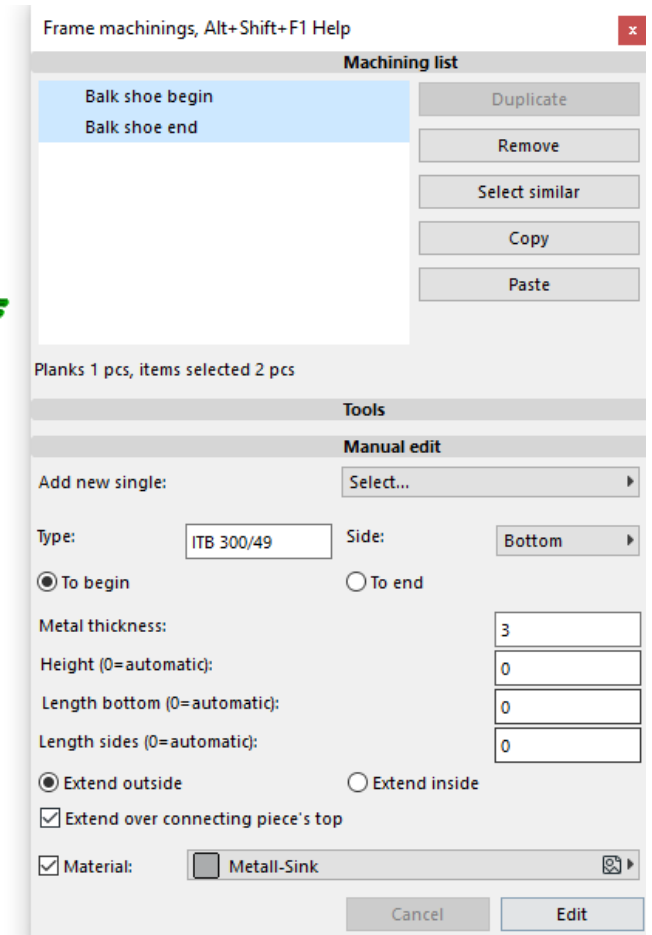
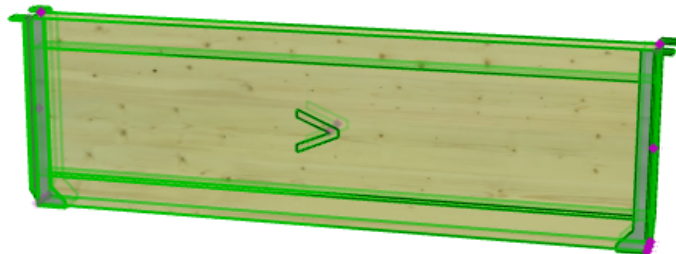
- Bug fix: Imperial units conversion for listings inside ArchiFrame improved for AC22.

20th August 2018

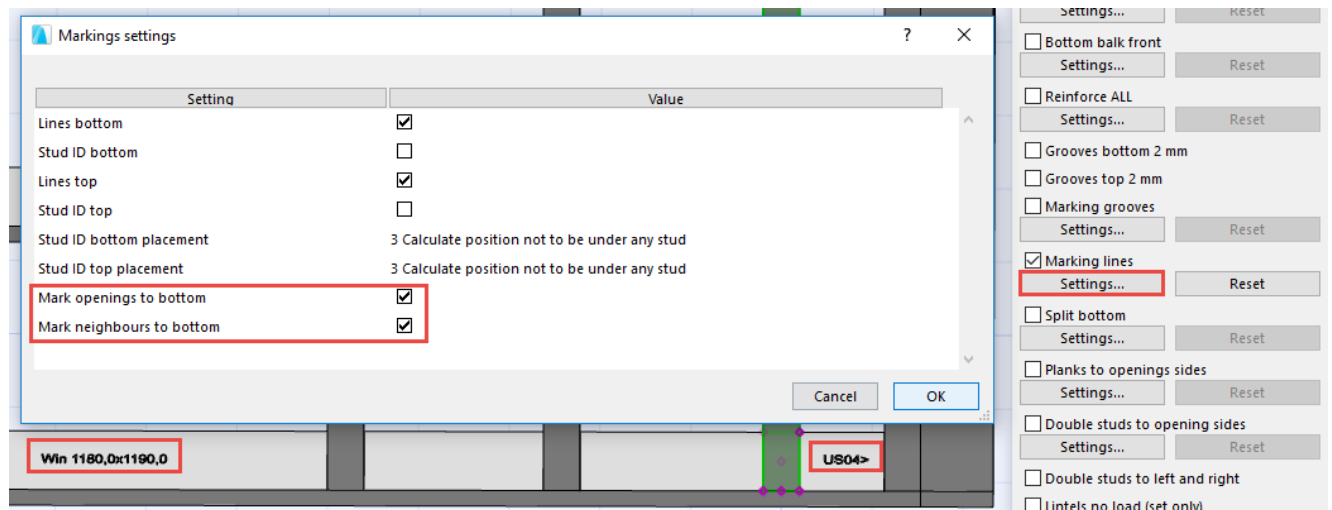
- Hundegger bvn export: Angled endings like below may have come incorrectly if option *Automatically rotate piece/widest side towards table* was checked on.



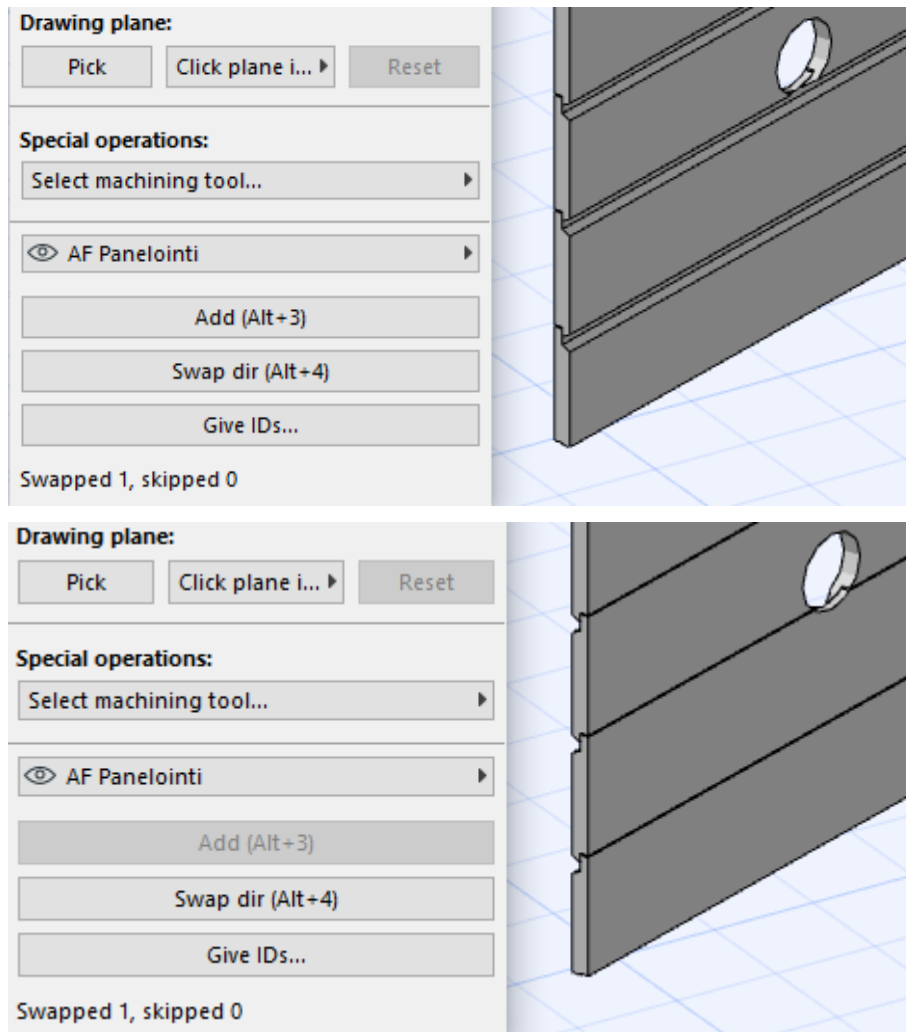
- Possibility to add balk shoes as ArchiFrame machinings:



- Improved marking tool to get markings for doors & windows and neighbour elements at the ends:



- Plank tools/Swap dir can be used for ArchiFrameBoardPanel-objects too to swap cladding orientation:

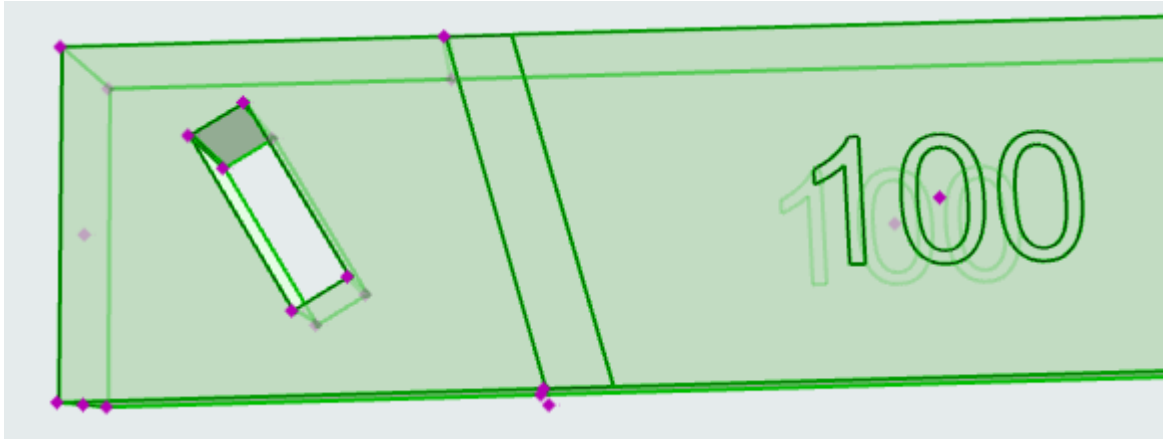


- Bug fixes related to mirror & copy whole elements:
 - Operation between planks were not mirrored correctly. For example, now the groove comes correctly.
 - Board mirroring changed – now all machinings like drillings are correctly handled for the mirrored target.

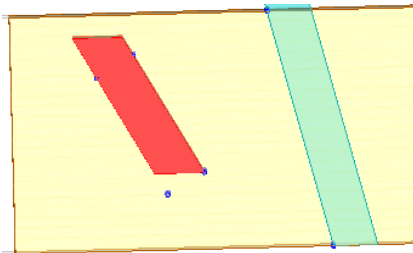
26th July 2018

- Bug fix: When plank/board was deleted in section/elevation its projection was not deleted.
- Pieces having cut plane in floor plan are projected different way now: Faster and 0,1 mm cut plane height instead of older 1 mm
- BTL cnc-writer:
 - Groove was saved as a saw cut if its width was less than 100 mm, now fixed the value to 10 mm.

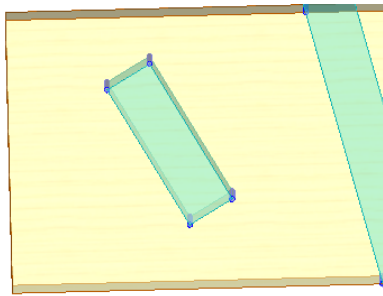
- Partial groove had illegal angles, in AC (drillings added to all corners):



BTL viewer old:



BTL viewer new:



- Hundegger bvn-saving new options to save reinforcement positions and the reinforcements also (please press Alt+Shift+F1 to see instructions):

Write reinforcements



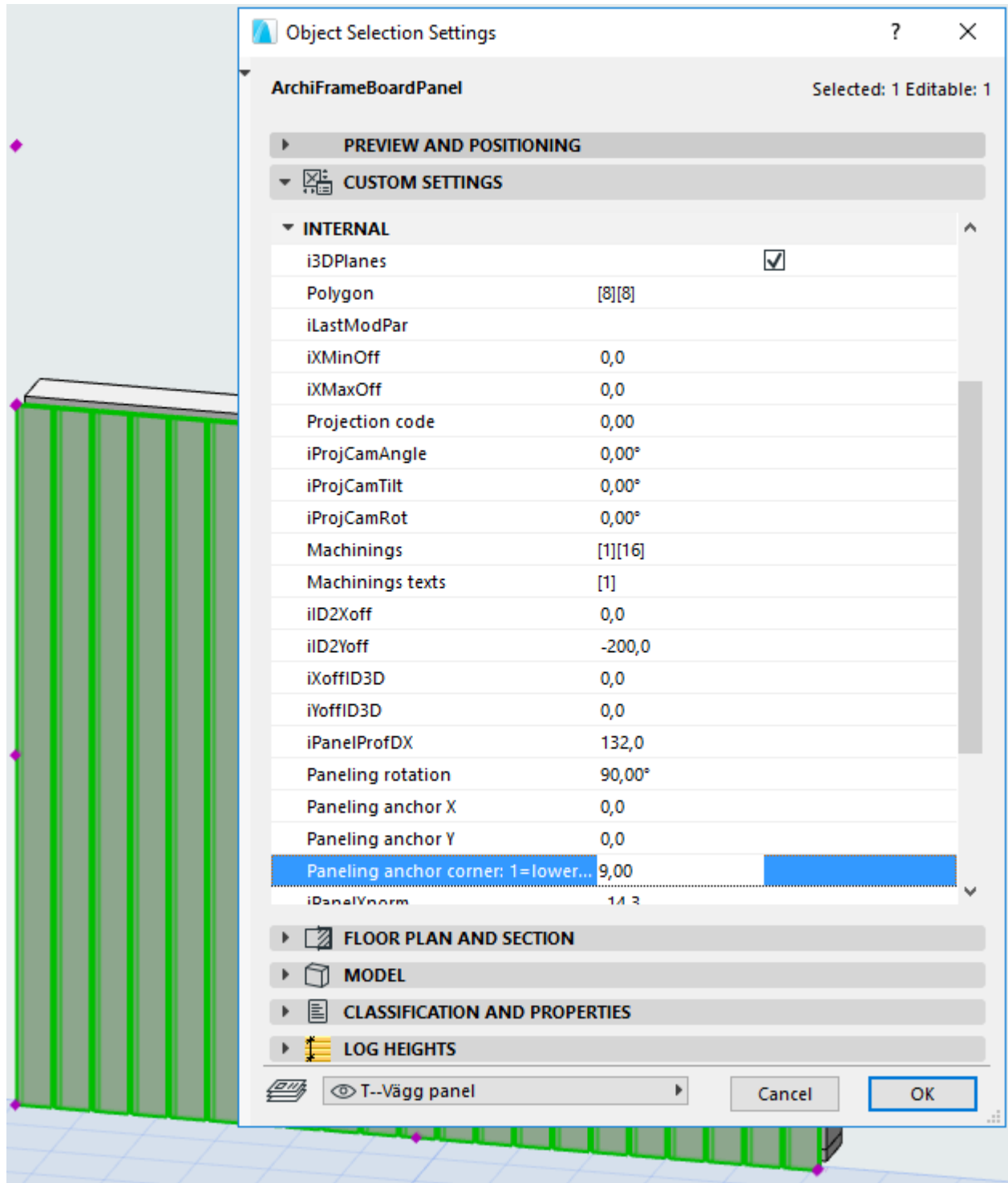
Write reinforcement marking lines



7th July 2018

- Bug fix: Create dimension drawings for many pieces placed the drawings over each other.
- For time limited license warns one workday before expiration and shows the expiration date in the settings dialog.

- Option to set cladding offset anchor corner:

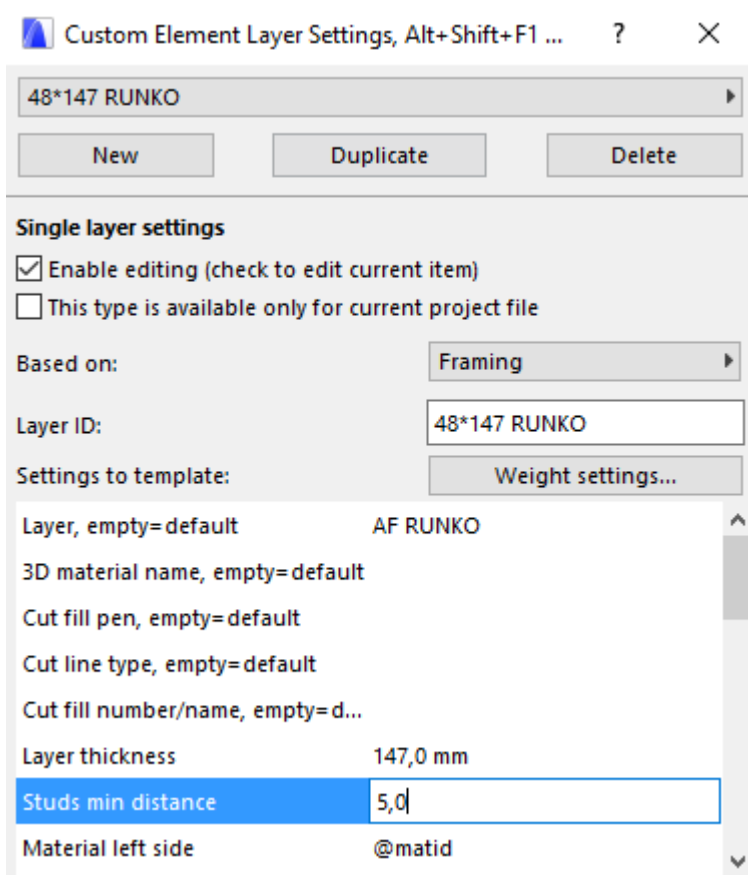


The values come from your numpad keys: 1=lower L, 3=lower R, 7=upper L, 9=upper R

- If framing for a layer is following another layer, no planks are added to the followed area by any other rule.

19th June 2018

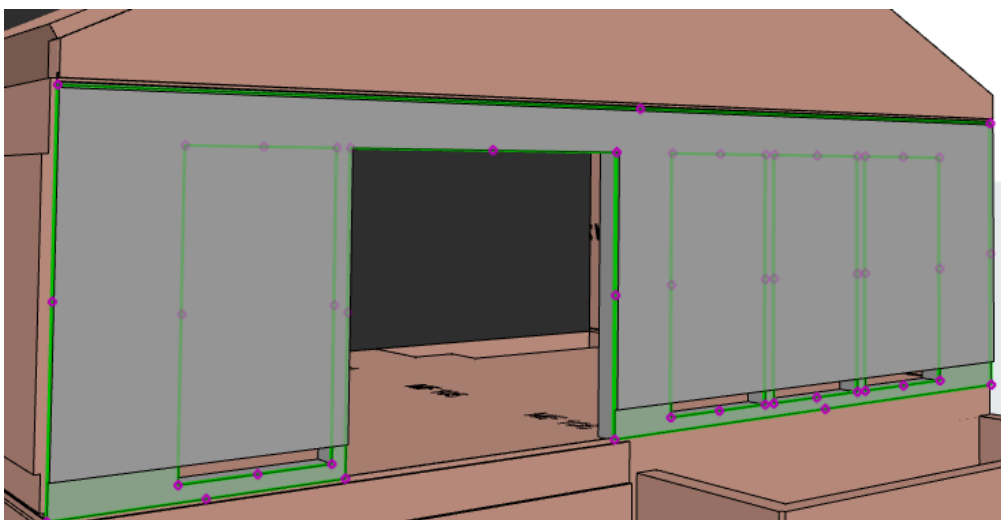
- Option to set minimum distance between the studs in own element framing layers:



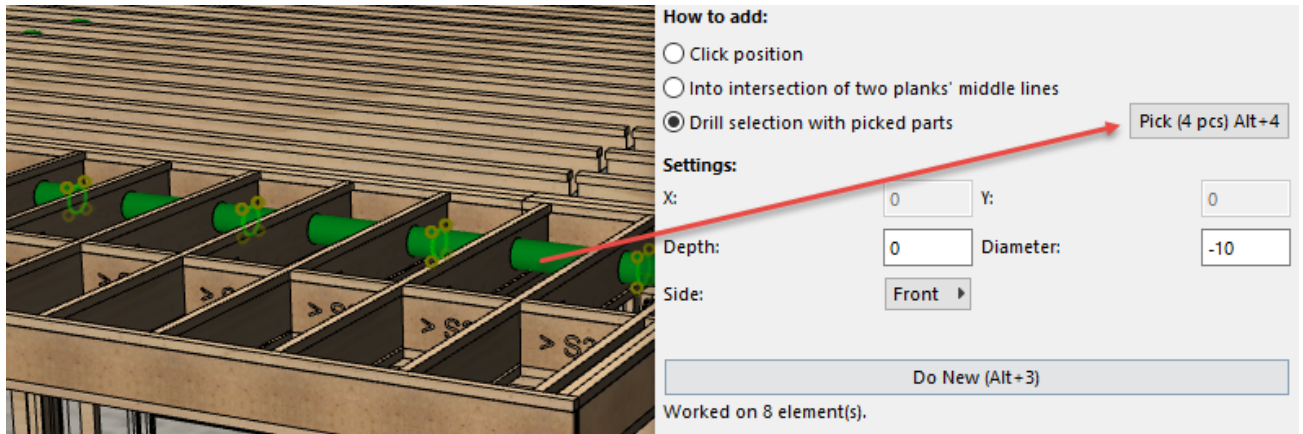
- **Important bug fix:** Spacing tolerance rule was interpreted wrong – caused too few studs to be added. Also changed default value from 20 mm to 5 mm in default data folders. Please check your own element types and check if you need to decrease tolerance value.

15th June 2018

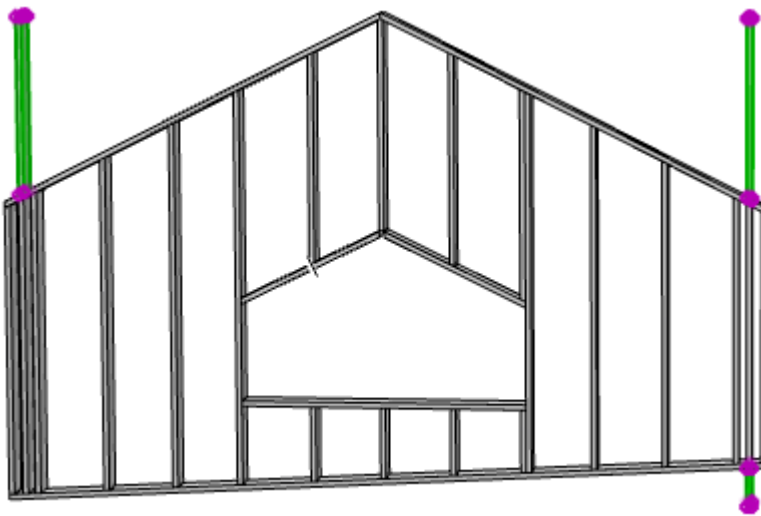
- Wup-writer: Big updates, old one with name Wup2017
- Bug fix: Edge offsets incorrectly set edges for door opening (not a hole in a polygon but one side open instead). Now ArchiFrame also shows the selected preset in these cases correctly:



- New option for the drilling tool (please press Alt+Shift+F1 to see full help):

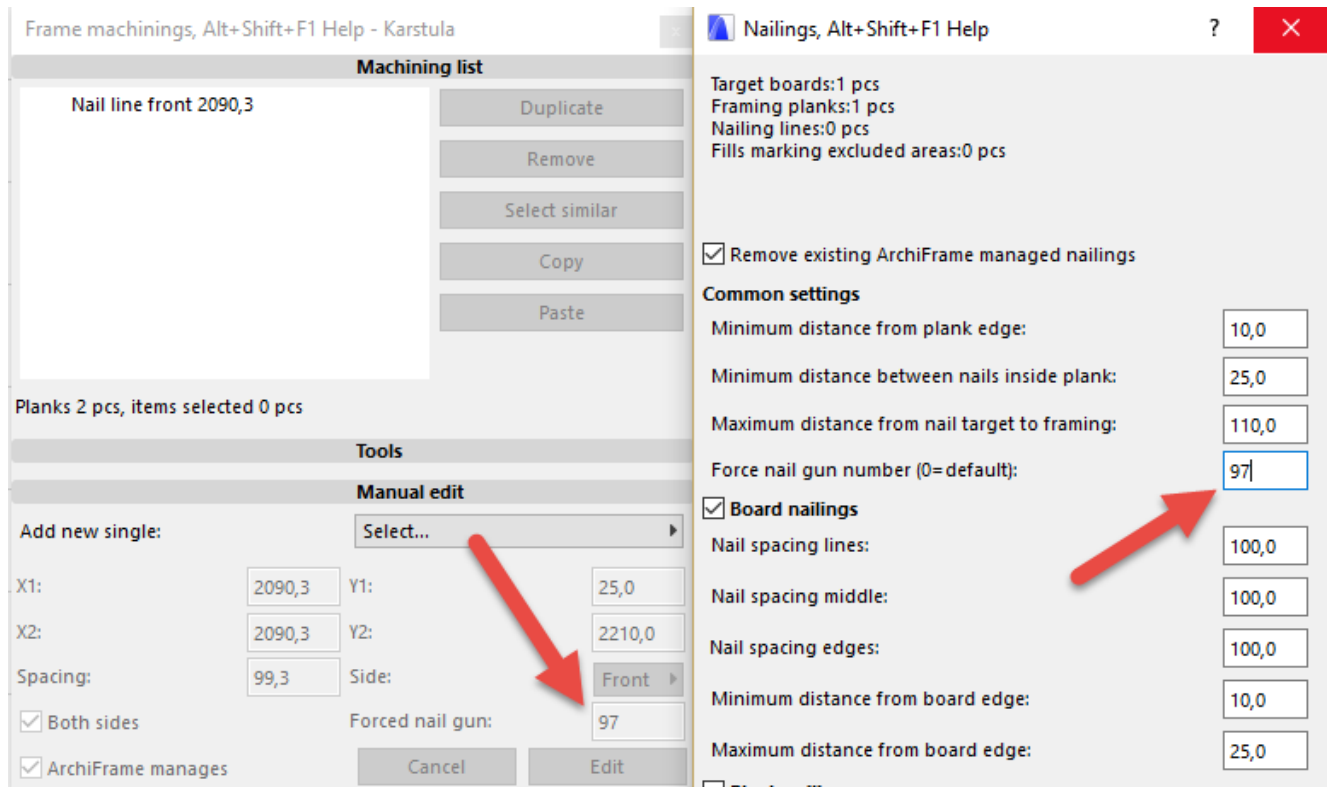


- Fixed custom corners at gable walls (no more selected parts for new taught corners), press Alt+Shift+F1 in custom corner tool palette:

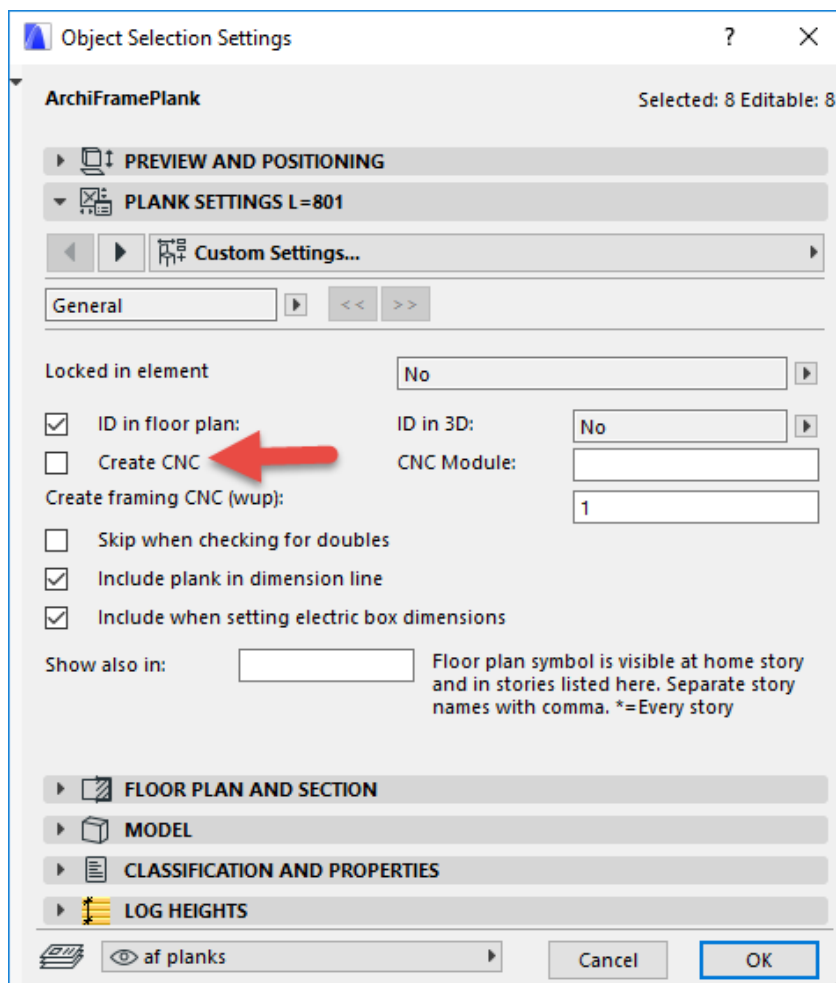


- Fixed beta-feature: Back projections swapped left  right hand side dimension lines. Now work as set in xml-settings.

- Nail gun number can now be forced when adding and editing:



- Default btl-cnc-writer (just Btl) did not support CNC-setting, now parts having this unchecked are not included in the btl-file:

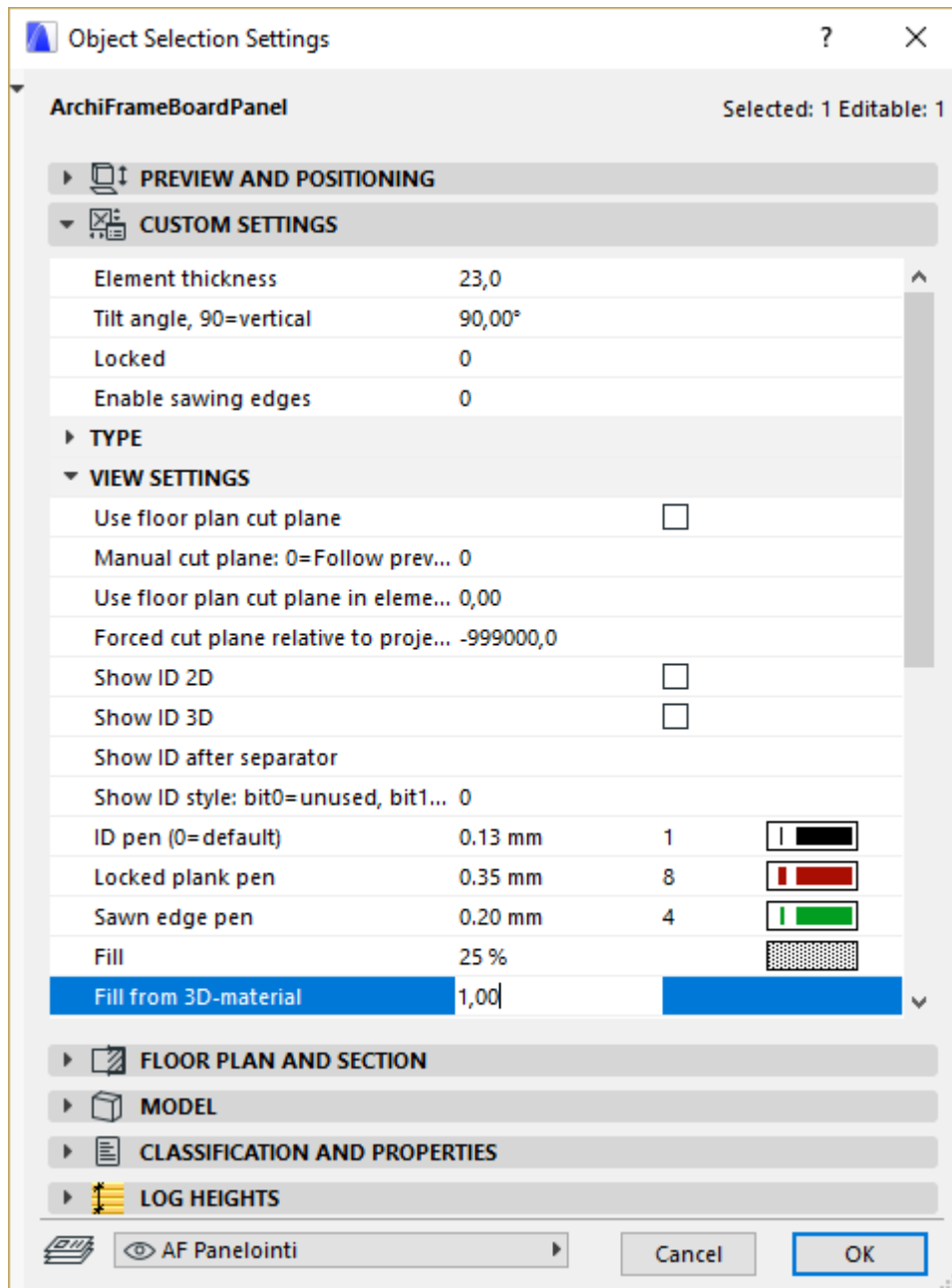


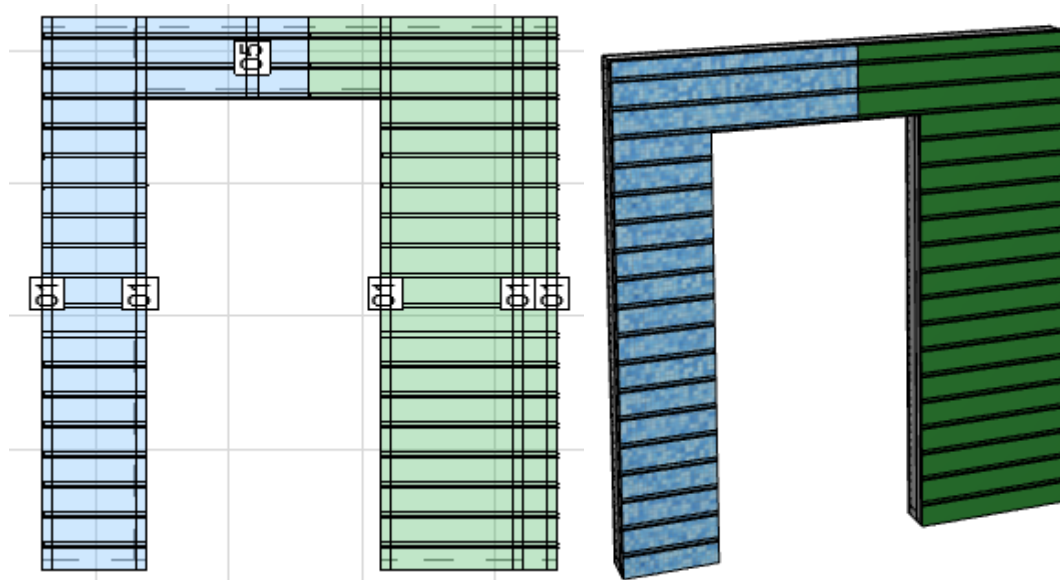
24th April 2018 BETA

- Plank ID with rectangle is drawn on top of the plank lines:



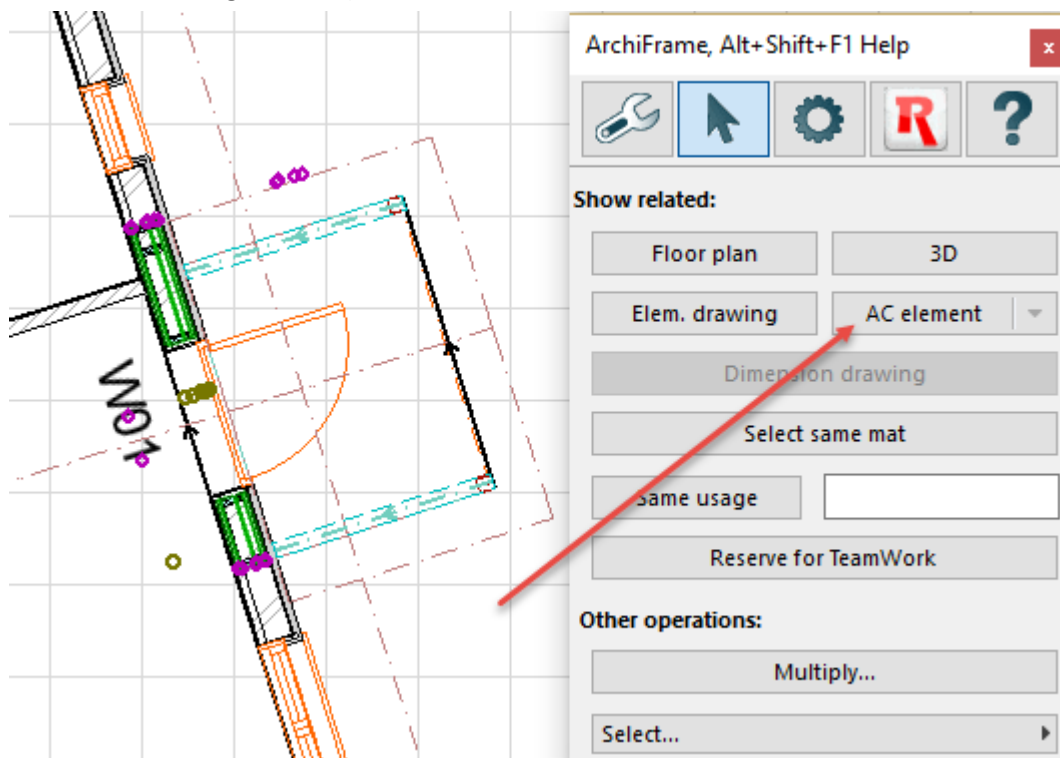
- Revised handling of board & cladding 3D/projection materials and fills. New parameter that is by default set to 1 for new pieces to keep 3D and projection similar (0 for old ones for backwards compatibility):





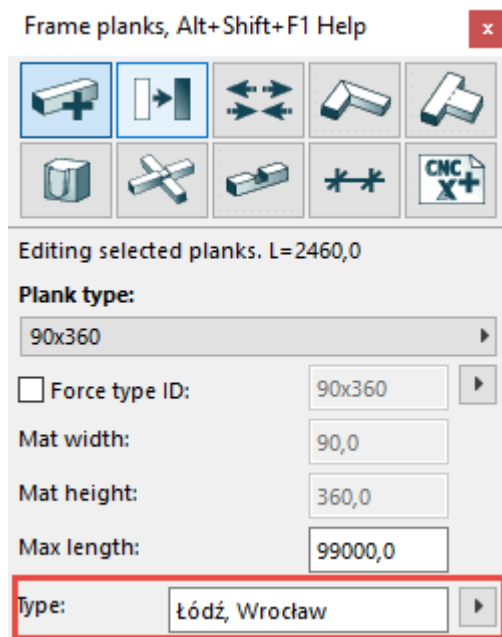
Also AC layer, 3D material and board coloring parameters synchronized between 3D  projections (iUseRgb, Transparent, iRed, iGreen, iBlue)

- Possibility to select the related ARCAD-elements for ArchiFrameElement-objects (where the geometry and door&window weights come):



- Element tools/Recreate selected layer only: Now ArchiFrame will not recreate all dimension lines if Update dimension lines-setting is unchecked. Also, it will not recreate all projection pieces when recreating just single layer.

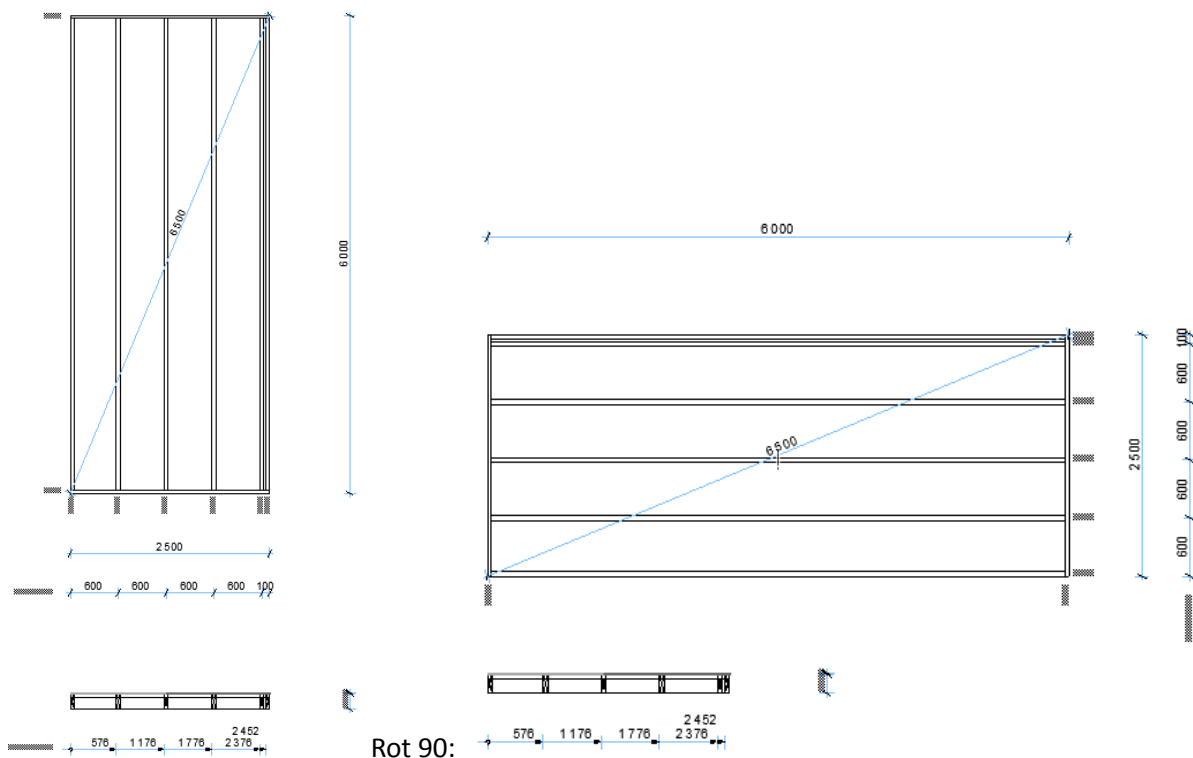
- Plank type field extended to 128 characters from 32 and made wider:



- Lua-scripts: Now it is possible to move information as Unicode/utf8 to Excel.

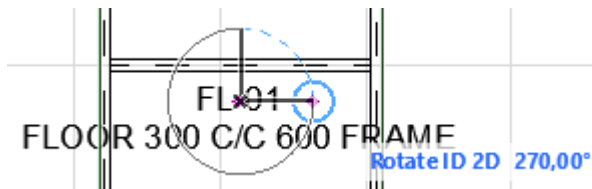
3rd April 2018 BETA

- Element/Projection tools can be used also to redefine sources for ArchiFrameElement-objects. Needed for example to calculate window/door weights for copied elements. Press Alt+Shift+F1 in projection tools for details.
- It is possible to rotate projections. Useful for example in floor structures to make the top projection landscape, old:

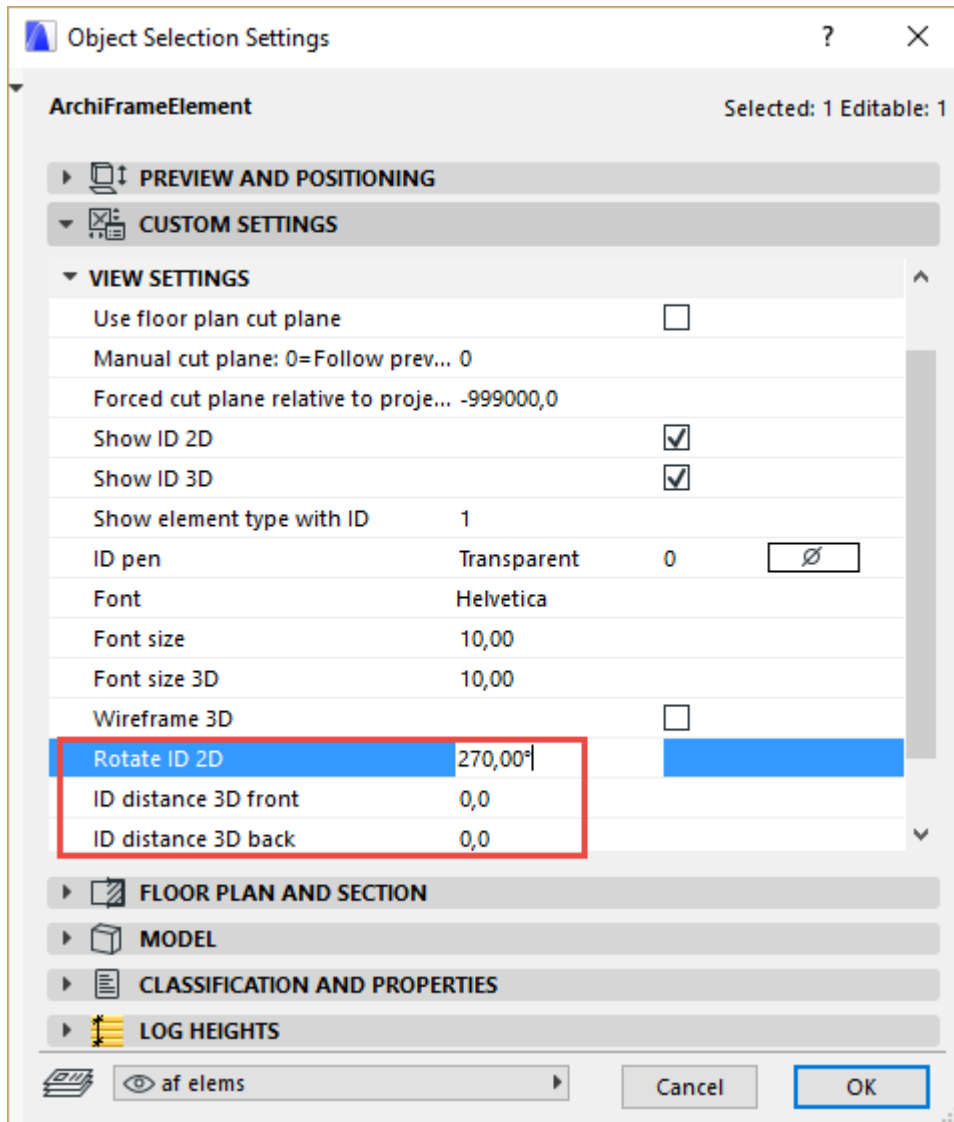


- ArchiFrameElement new parameters:

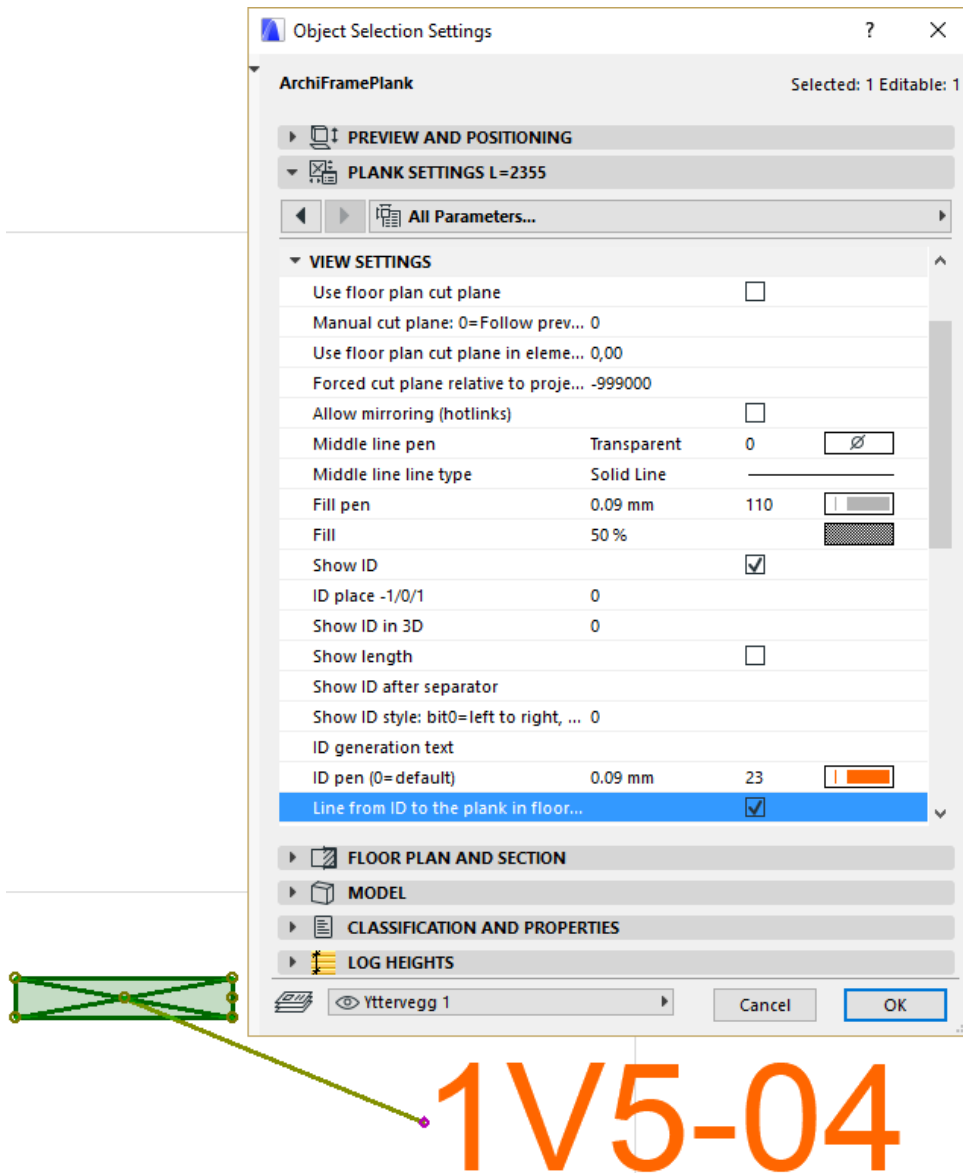
- ID rotation in floor plan, useful especially with floors:



- Option to change ID offset front and back in 3D to make sure it is visible if all structure layers are shown:

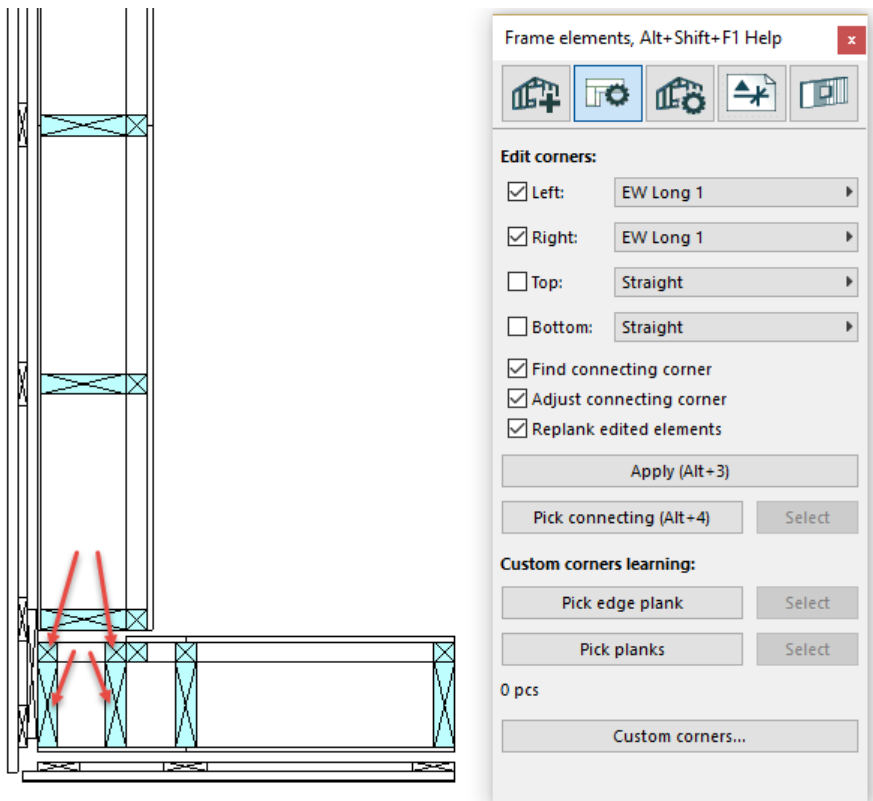


- New option for plank:



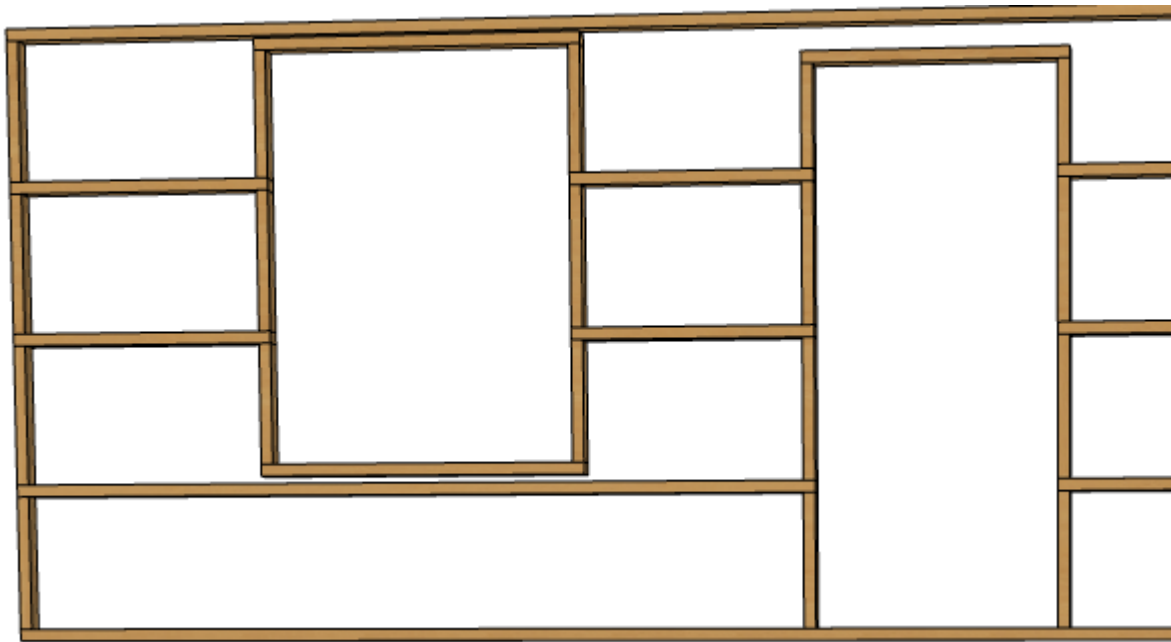
12th March 2018 Beta

- Custom corner tool to teach your own corners – please press Alt+Shift+F1 at corner tool palette for instructions:



- When mirroring & copying whole element, the planks directions are now maintained relative to the related ArchiFrameElement-object (in walls horizontal pieces' directions are swapped). Gives better results in wup cnc-files.

- New based on type for horizontal framing:



Custom Element Layer Settings, Alt+Shift+F1 Help

KOOLAUS VAAKA 47*47

New Duplicate Delete

Single layer settings

☒ Enable editing (check to edit current item)

☐ This type is available only for current project file

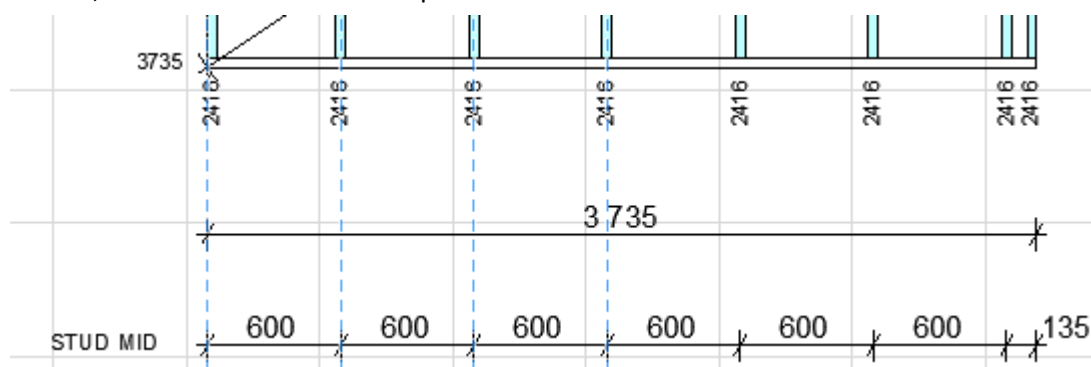
Based on: Framing horizontal long opening sides cut

Layer ID: KOOLAUS VAAKA 47*47

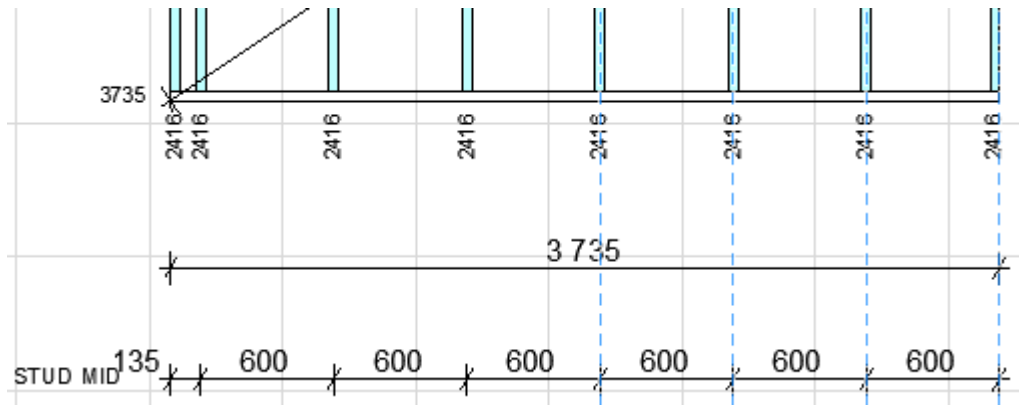
Settings to template: Weight settings...

- New framing rules:

- Value 5, start from left and from top for horizontal structures:

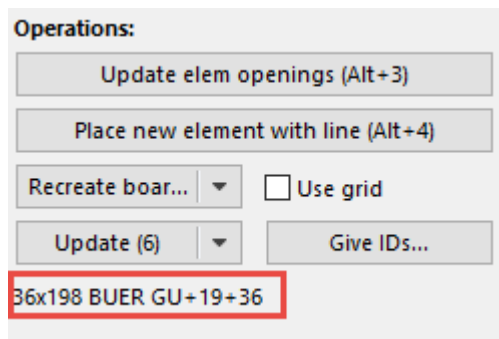


- Value 6, start from right/bottom:

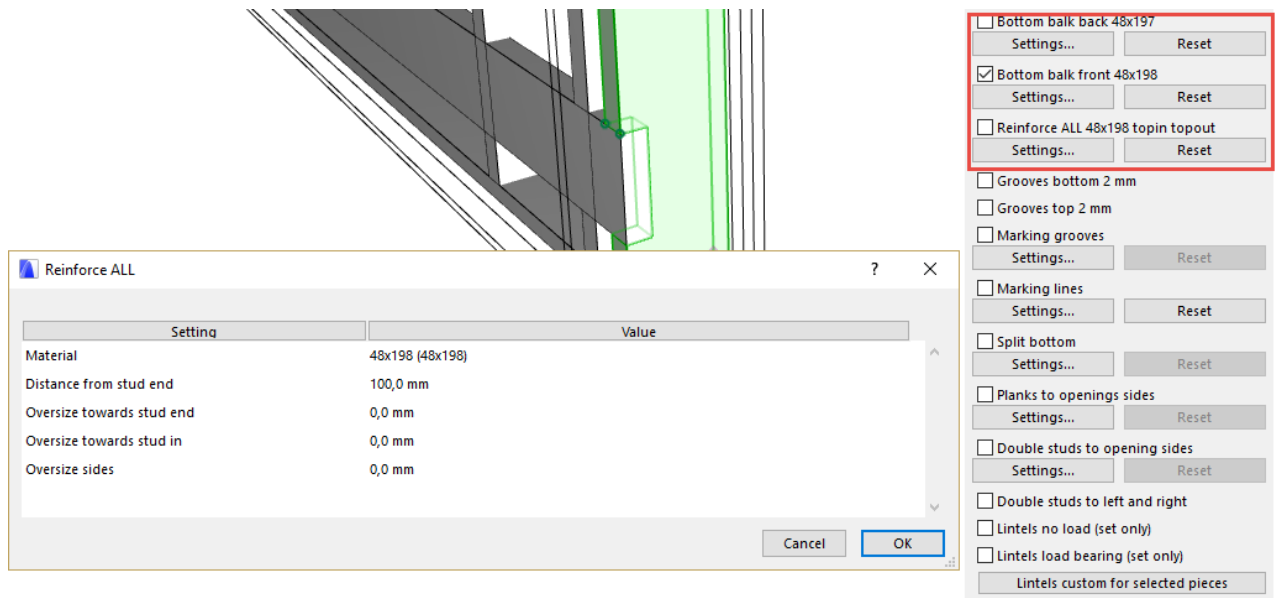


- Value 7 as 5 but spacing starts from middle of the starting piece instead of its edge.
- Value 8 as 6 but spacing starts from middle of the starting piece instead of its edge.

- Unknown element type IDs are shown at the bottom of element tools:

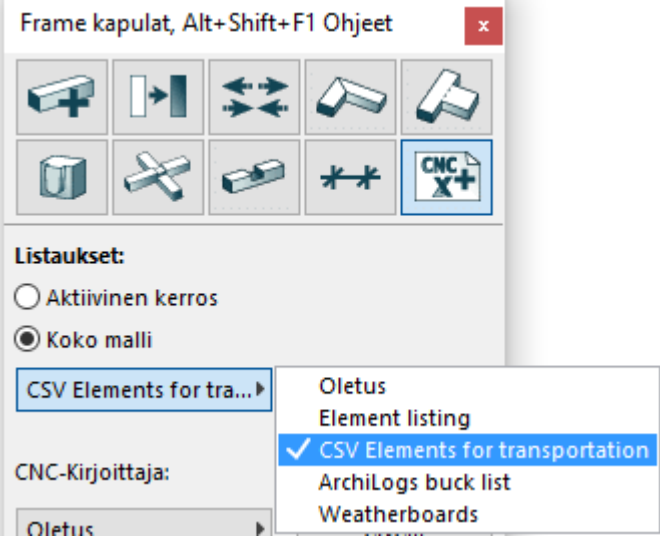


- New settings for reinforce options:



- Listing for loading truck in csv-format:

Frame kapulat, Alt+Shift+F1 Ohjeet



Listaukset:

☐ Aktiivinen kerros

☒ Koko malli

CSV Elements for tra...

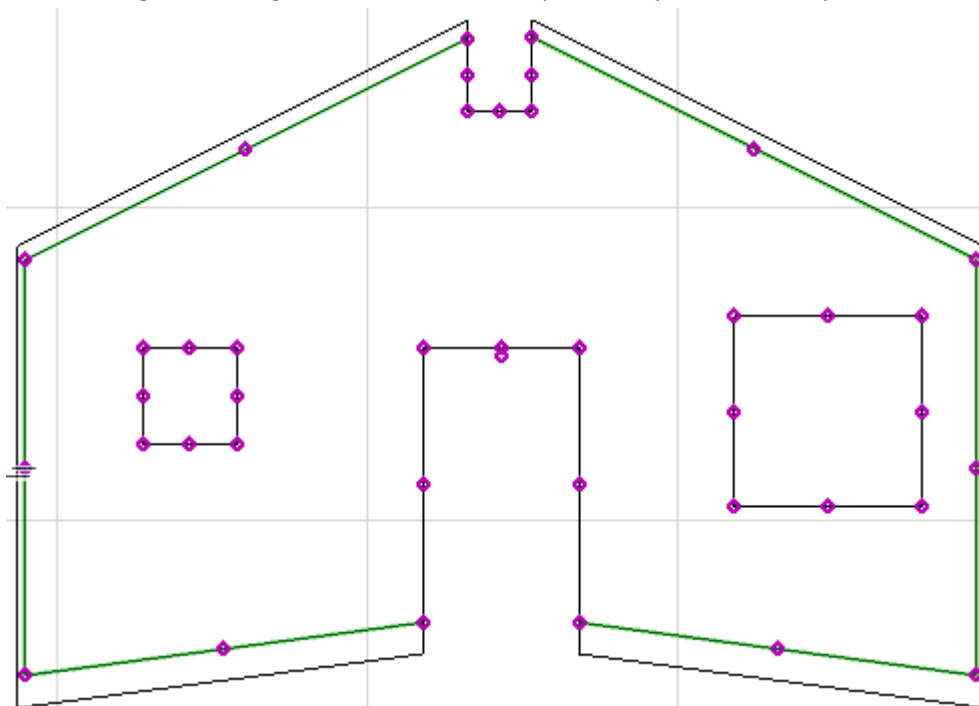
CNC-Kirjoittaja:

Oletus

Oletus
Element listing
✓ CSV Elements for transportation
ArchiLogs buck list
Weatherboards

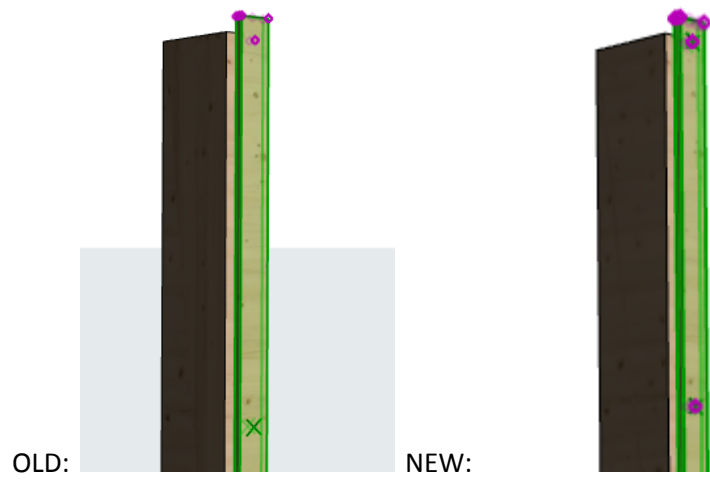
	A	B	C	D	E	F	G	H
1	PROJECT:	AF Sample						
2	NUMBER:	123456						
3								
4								
5	ELEMENT ID	LENGTH	HEIGHT	THICKNESS	WEIGHT	AREA M2	AREA GROSS	AREA NET
6	EW-01	6,201	4,2	0,335	1031	26,05	20,7	17,96
7	YV-06	6,466	2,5	0,335	847	16,16	16,16	13,26

- Element edge offset logic revised, now this is possible (please see help from offsets settings dialog):



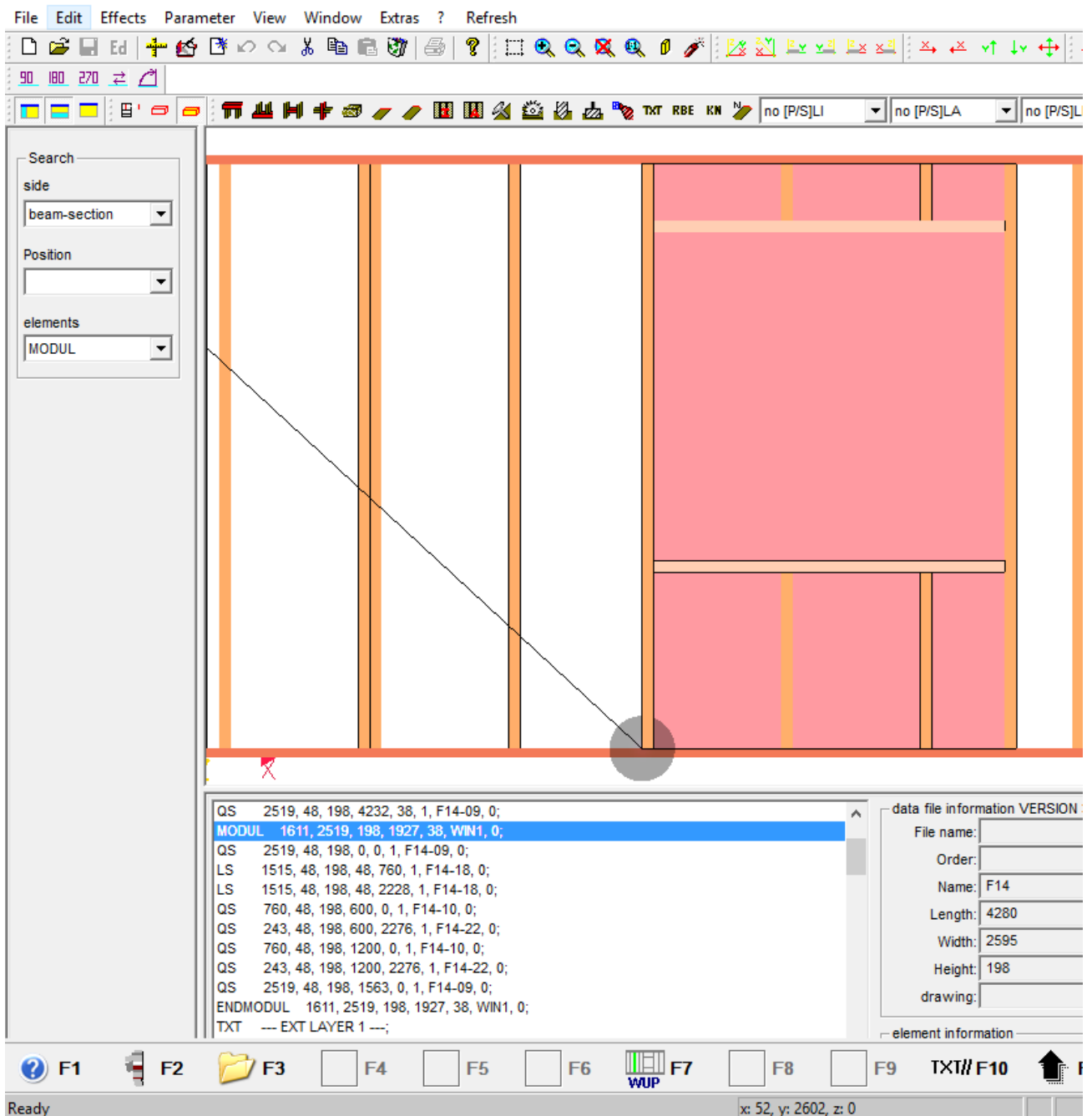
- Bug fix nailings: If ArchiFrame had to tweak spacing to avoid two nailings too close to each other it may have caused nailing missing from the end. Now the nailing is forced at the end (as point nailing) if the distance

from previous nailing is more than 10% of the used spacing.

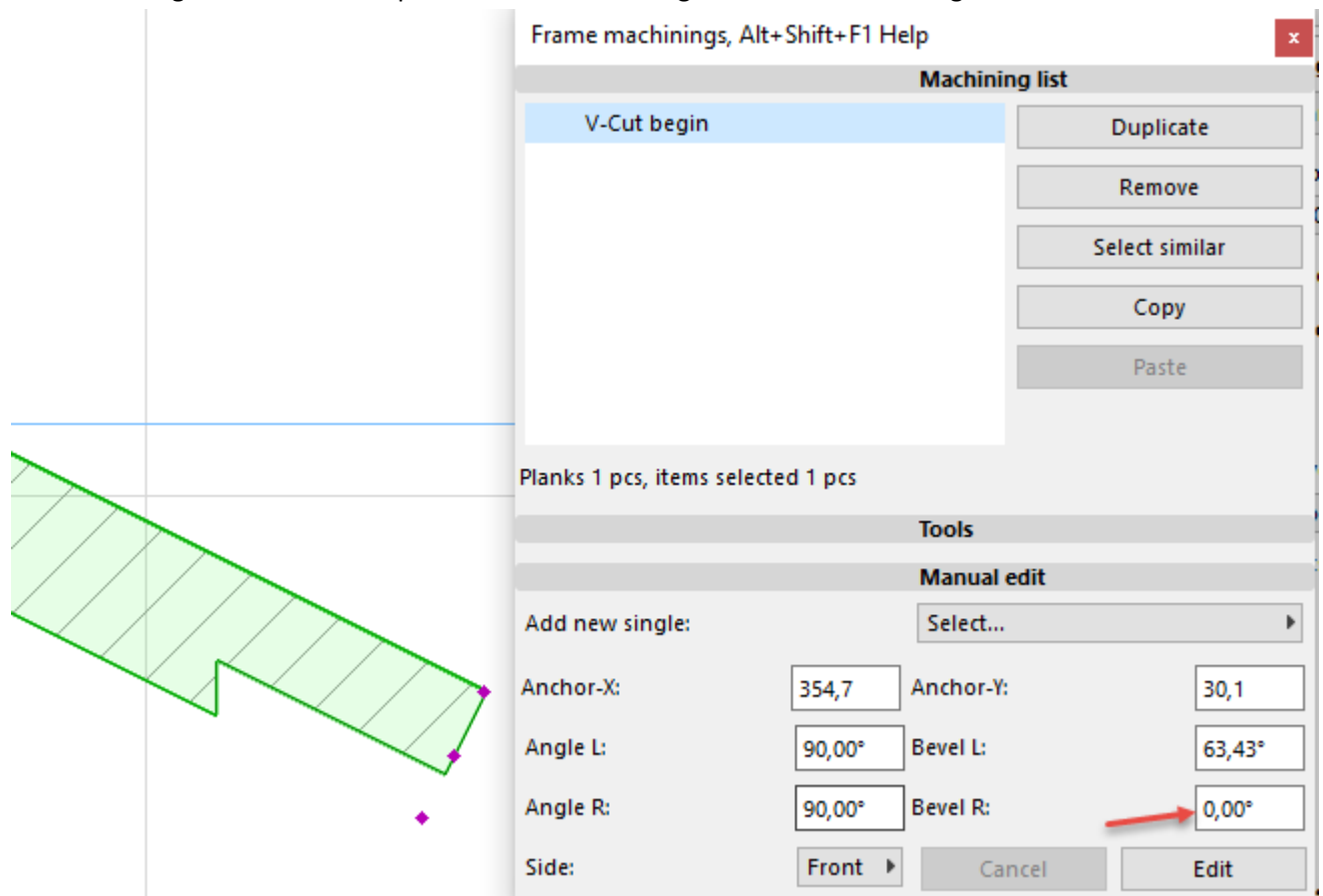


- [illegible]

WuEditor Professional - [C:\t\t_F14.wup]



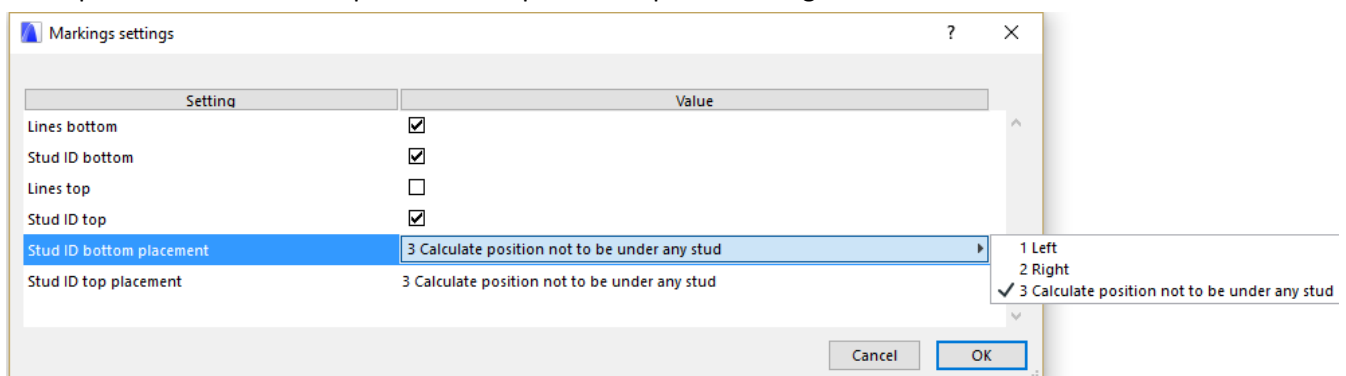
- V-cut with lengthwise cut is now possible via hand editing other of the bevel-angles:



- Cut list object has parameter *Manage manually* (iManual in xml-file) that can have these values:
 - o 0, let ArchiFrame update content and position
 - o 1, full manual – ArchiFrame will not touch it
 - o 2, keep position but let ArchiFrame update content. This value is useful if the elevation layout needs hand tuning.

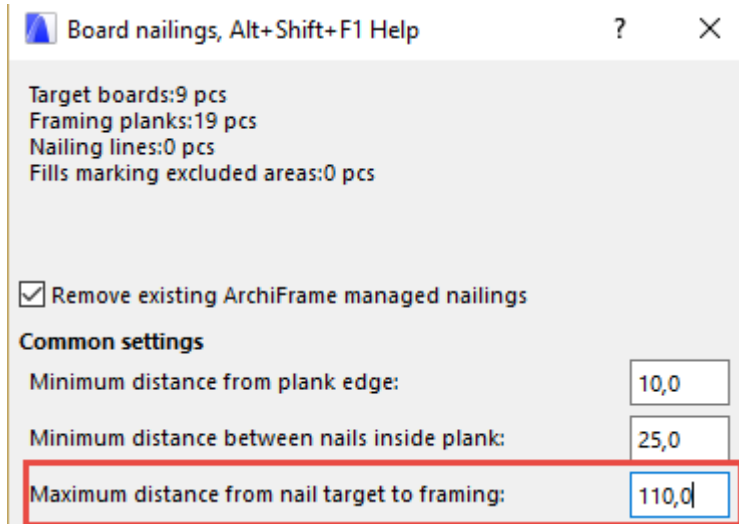
6th Feb 2018

- When creating/updating layouts ArchiFrame shows empty space from floor plan to speed up the operation.
- New option to set the ID text position for top&bottom plate markings:

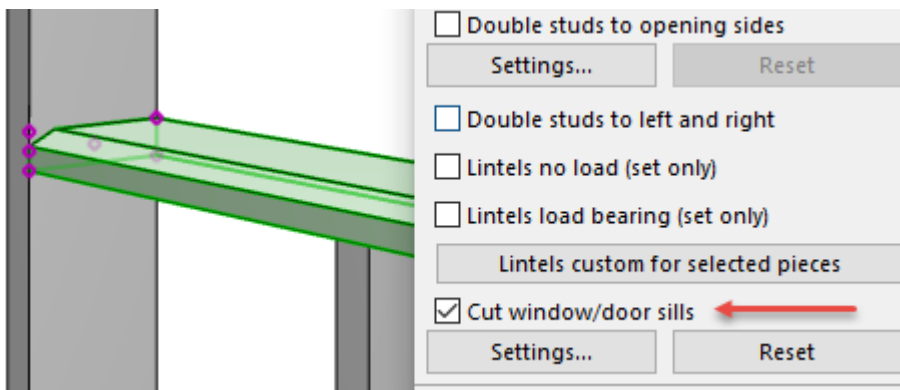


- Weinmann BTL-writer as new option for CNC-target. Does not include 3D geometry and works better with Weinmann's WupWorks.
- Board nailings improvements:

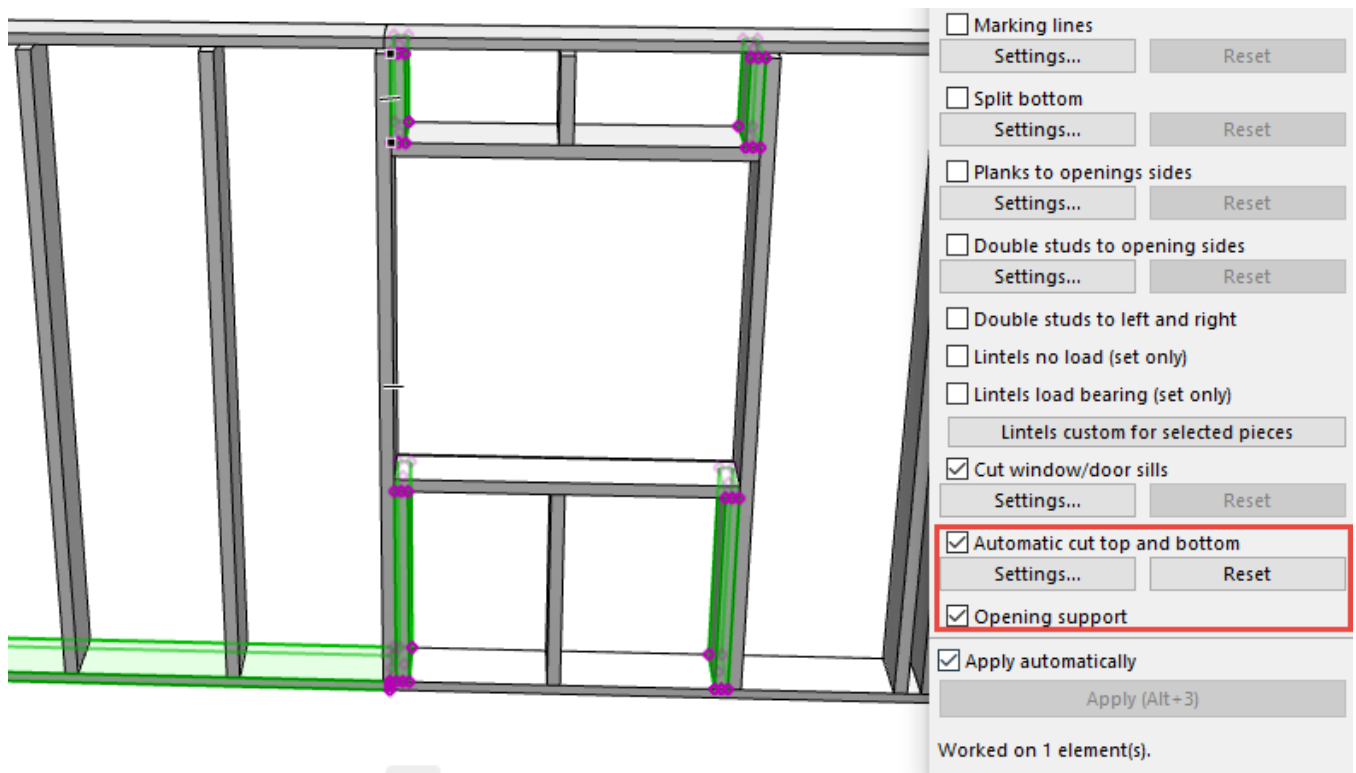
- New setting to limit distance from nail target to framing:



- New option to make these cuts:

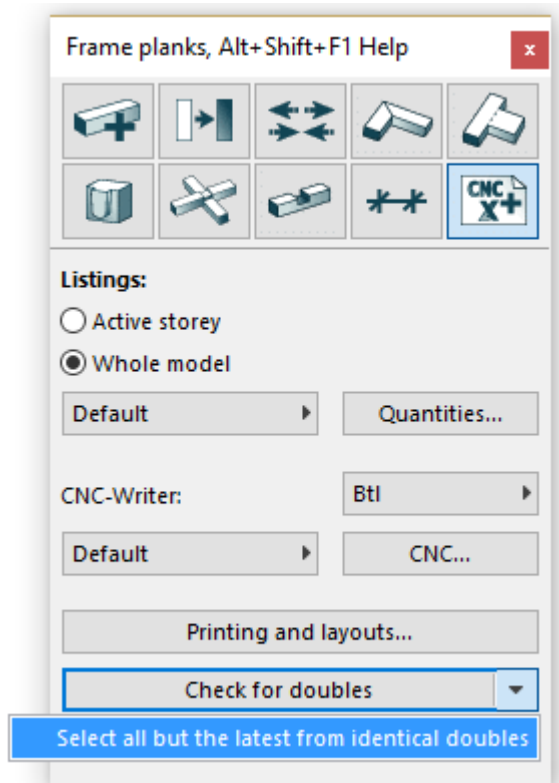


- Other new options:



- TeamWork: When creating new ArchiFrameElement, no need to reserve the source elements any more (for example Archicad wall).

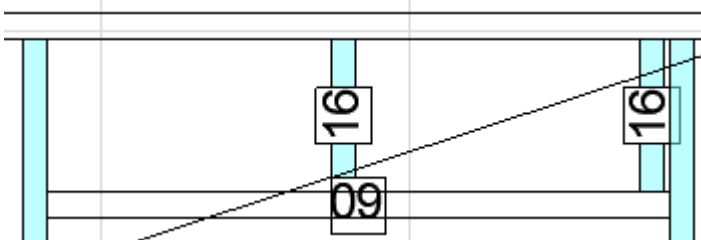
- TeamWork: Improved operation of the duplicates finder:



- TeamWork: Sometimes send & receive caused duplicates – fixed. **IMPORTANT!**
- Bug fix: Projection for angled piece with rotated camera angle may have produced incorrect projections.
- Bug fix: When copying non-vertical elements containing boards, boards were moved max thickness/2 to incorrect place.
- Bug fix: If using the old not automatically updating layouts, AC21 may have caused extra lines onto layouts.
- Bug fix: When copy & mirror pieces, the related automatically updating operations were not mirrored. Affected machinings from extended tool palette:
 - Groove
 - Tenon & mortise
 - Lap joint

5th Dec 2017

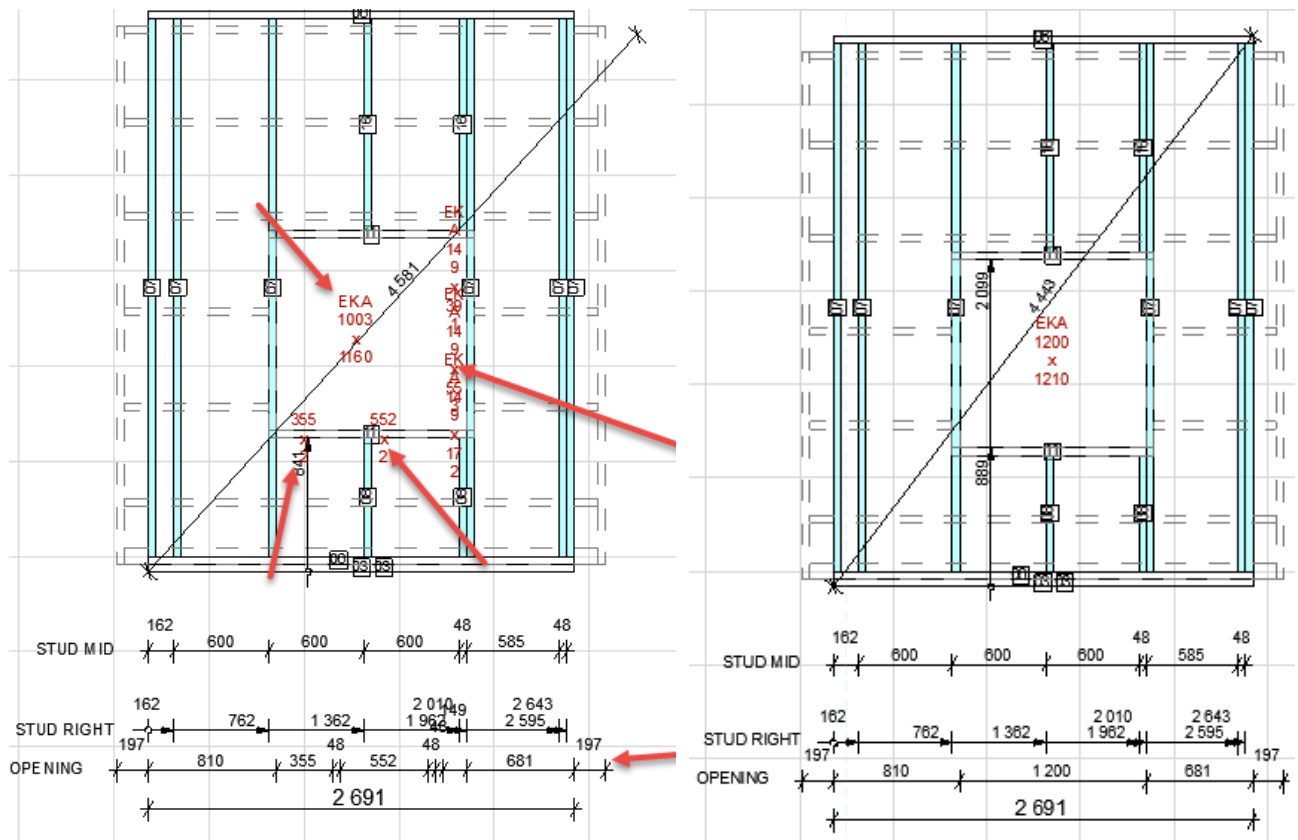
- Possibility to split element elevation to multiple sheets via ArchiFrameElements.xml
- Possibility to add frame & background for plank ID text (from View settings):



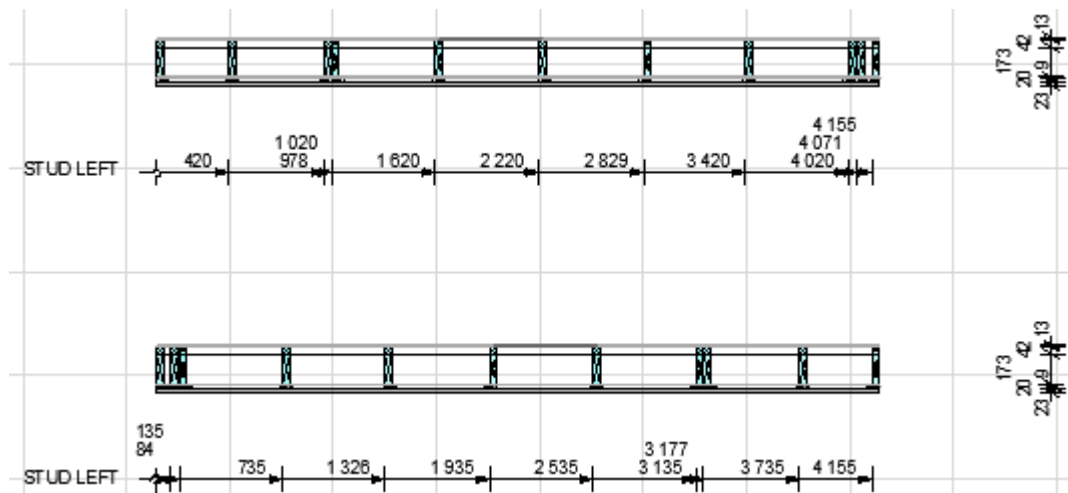
- More Hundegger bvn-saving options, please see manual part “11.11 Hundegger bvn-saving options”

Nb	Part	Req.	Cut	Width	Height	Length	Unit.	Gr	Comments	Prof.	Roof.	Type
1	Stud	1	0	36	198	2440	YV6c	C24	36x198 C24		5	YV6c-05 3

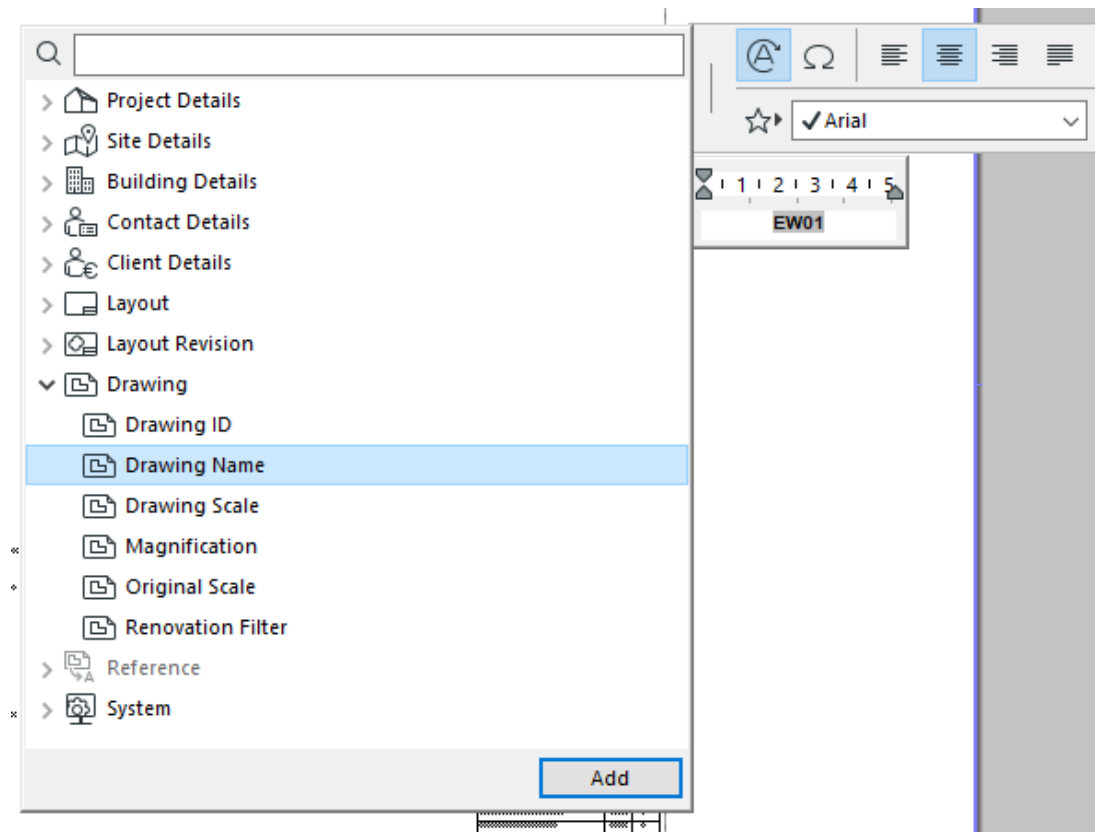
- Bug fix: Sometimes in projection showing pieces from many layers the openings were corrupted:



- New projection types to flip x-coordinates in ArchiFrameElements.xml projection definitions: "topflipx" and "bottomflipx" (upper is top and lower is topflipx):

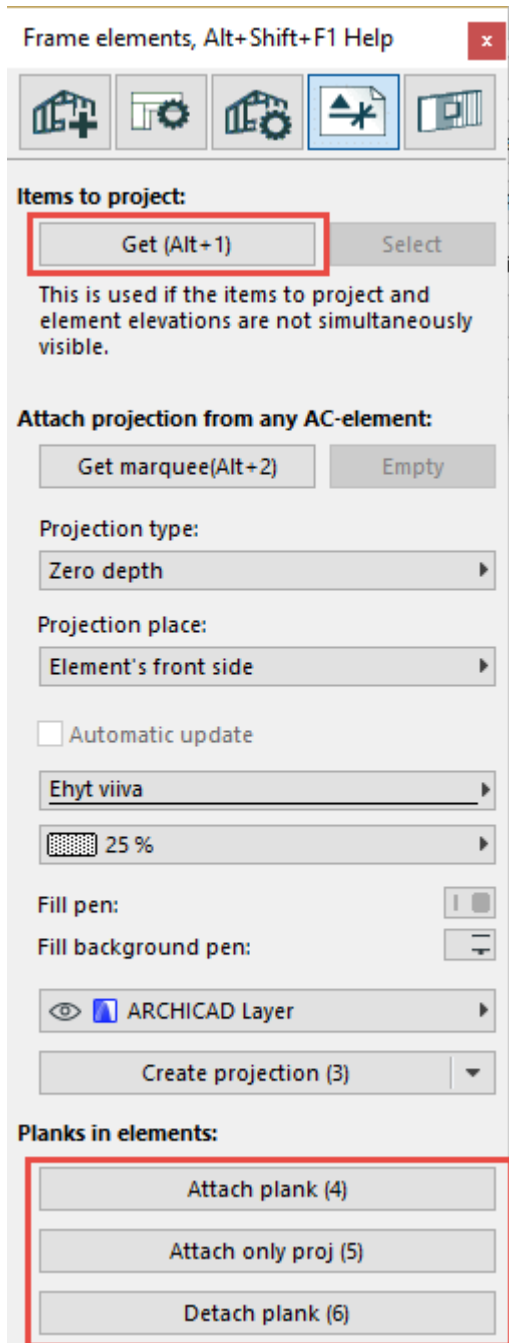


- Layout: Now the placed drawing's name is set to element id. That can be used for example in associated master layout stamp:

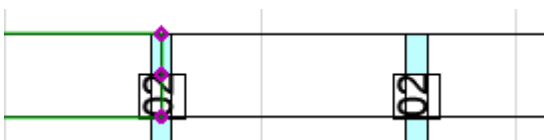


- Element elevations: Text markings, please see Manual part 16.2.9 Projections/static texts
- Element projection tools can now be used to change the plank's layer inside the element. Process is:
 1. Select the target piece with Get

2. Select the target layer from floor plan/3D or from elevation. If selecting from elevation, the selection defines where the earlier picked targets will be projected

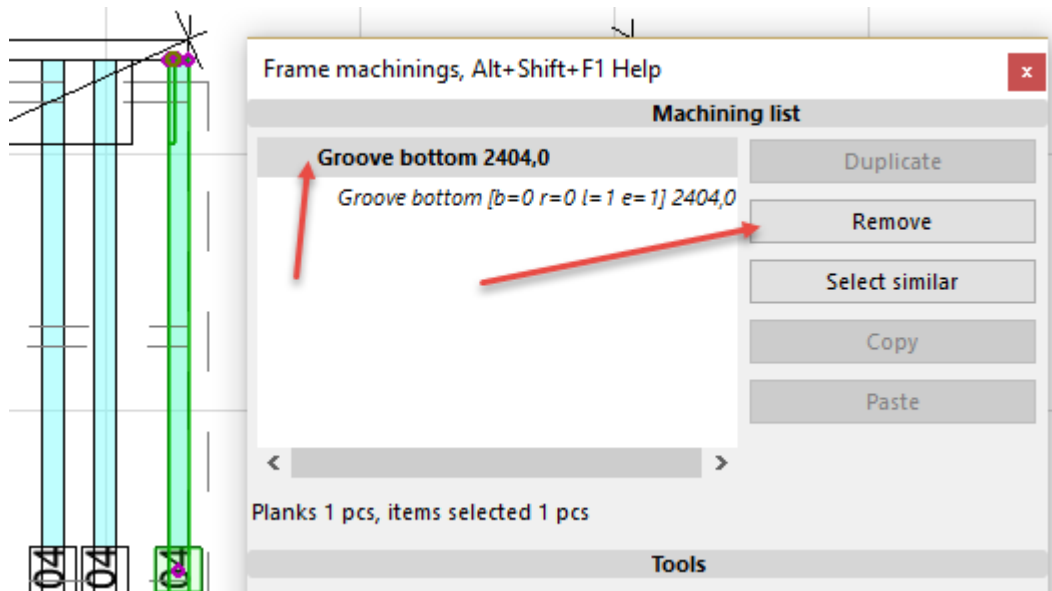


- Bug fix: Applying element edge offsets may have produced incorrect results if some of the layers were rotated.
- Bug fix: If default file name was invalid, prompting for open or save as name may have failed. For example if project number contained bad path characters, saving the cnc file may have failed to show save as dialog.
- Bug fix: If connected machinings had different pair, the machined pieces got different ID. For example, if a two separate but similar size beam did cut studs, there were two different IDs for the studs. Also, if the beam was cut from middle of the stud, there were two separate grooves in the stud (this fix in the data-folder, ID assignment in the program).



The groove extension is done by setting 100 mm oversized end to the beam. If the beam is shortened by still

intersects a stud in this 100 mm distance, the groove must be deleted from extended tool palette like below:

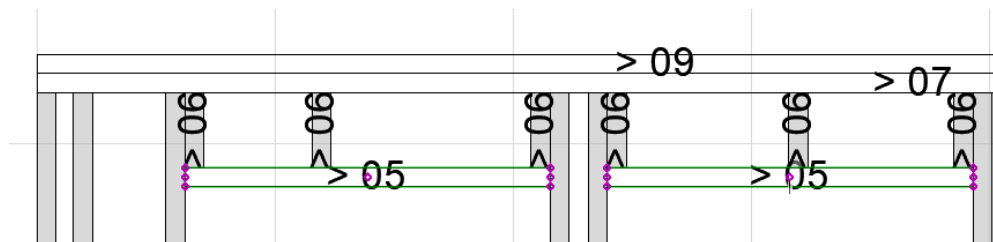


27th October 2017

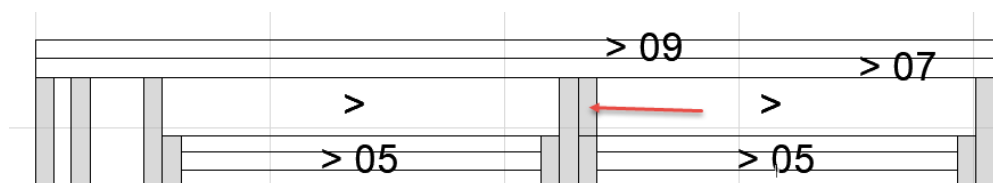
- Bug fix: If element type contained special characters like ÅÄÖ, the type was lost when opening the file from AC20 in AC21 due to AC21 being fully Unicode and AC20 not.
- Bug fix: If there was an opening touching top/bottom of the element, corner tool sometimes failed to add the planks correctly.

23rd October 2017

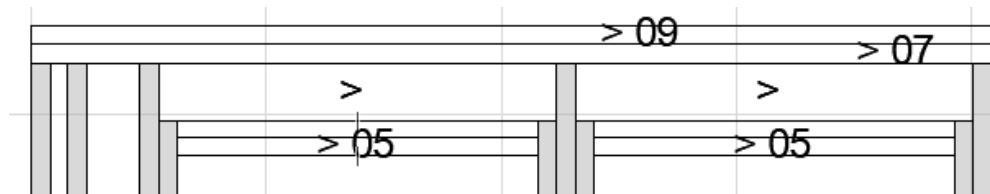
- HEB beam objects AC21 now supported in Do I-beam command
- Bug fix: New feature that set the floor number of added plank automatically did not use current floor if added in floor plan. Now it is always current one when added in floor plan.
- Bug fix: If an opening intersected with the middle of the bottom/top piece and was touching the bottom/top plank, the bottom/top plank was incorrectly classified as opening piece (vertical_x) instead of top/bottom (bottom_force/top_force).
- Lintels bug fix: If there was no room for all additional studs for lintels, the king stud was not cut for the lintel beam (if option to cut was selected instead of groove), starting point:



Result:

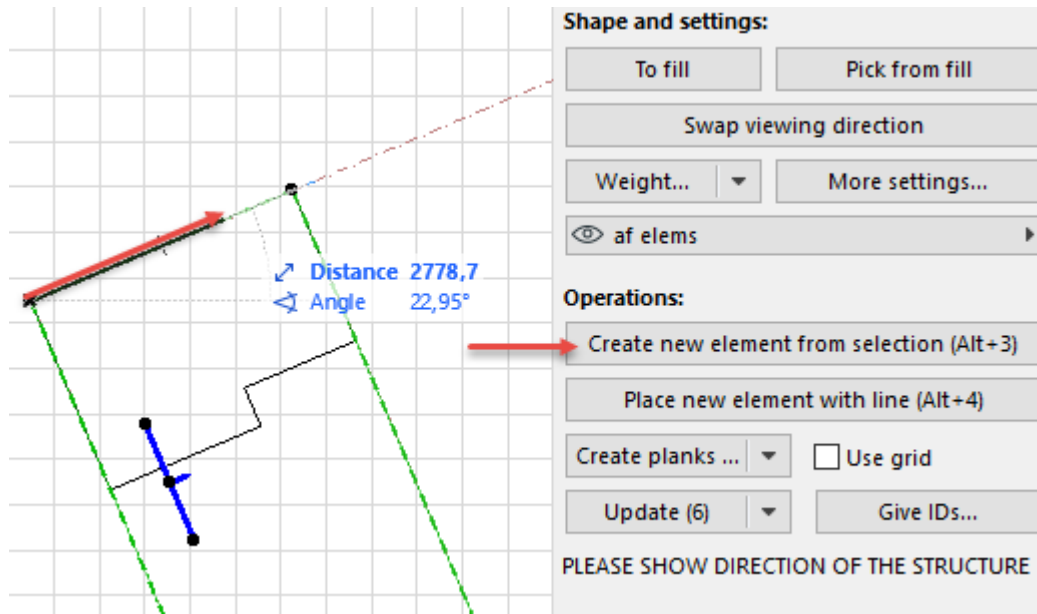


Fixed:



6th October 2017

- When using Create new element from selection using slabs or roofs, ArchiFrame will always ask for main planking direction. Just enter the line when asked. For example, a roof with limited area picked from fill:



- New settings to element main tools/More settings:

Element's settings, Alt+Shift+F1 Help

Changes to model

Raise roofs during conversion (neg lowers):

☒ Force door oversizes (works only with compatible openings):

Bot: Top: Sides: Neg value skips

☒ Force window oversizes (works only with compatible openings):

Bot: Top: Sides: Neg value skips

Element elevations

☒ Show elevations in current story

☐ Show elevations in:

Planks (settings saved with the element and editable)

Default layer for planks, boards and projection items:

☒ Use cut plane in floor plan

☒ Use floor plan cut plane height

☐ Force cut plane height to: Relative to:

☐ Use cut plane in element elevation top projection

☐ Use floor plan cut plane height

☐ Force cut plane height to: Relative to:

☐ Give plank IDs manually

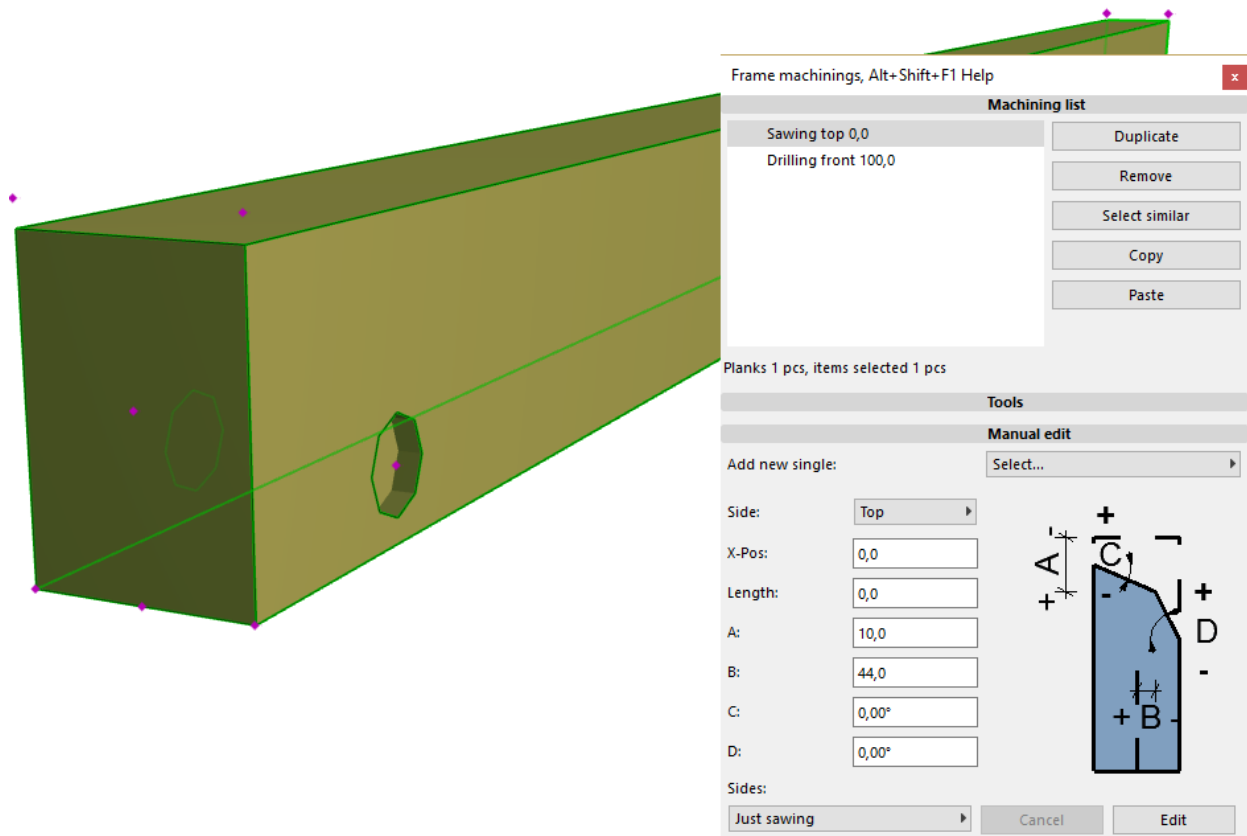
☐ Give board IDs manually

☐ Give IDs only to pieces with empty ID

These are useful if there are changes after the prints have gone to production. For example, with *Give IDs only to pieces with empty ID* the process of adding new planks is:

- Add new pieces and make sure their ID is cleared
- *Give IDs* and *Update* to assign IDs just to new planks and to update the cut list and dimension lines.

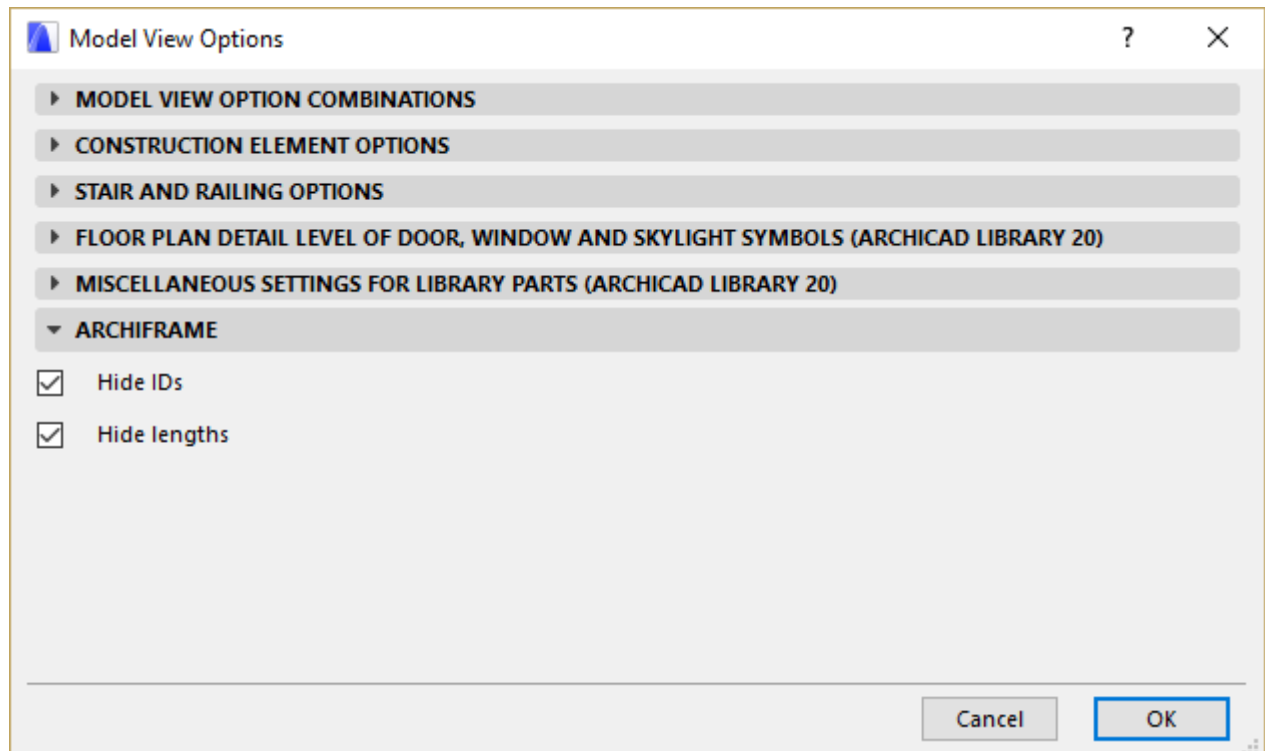
- BTL cnc-writer bug fix – straight lengthwise cut is now written correctly into btl-file:



20th September 2017

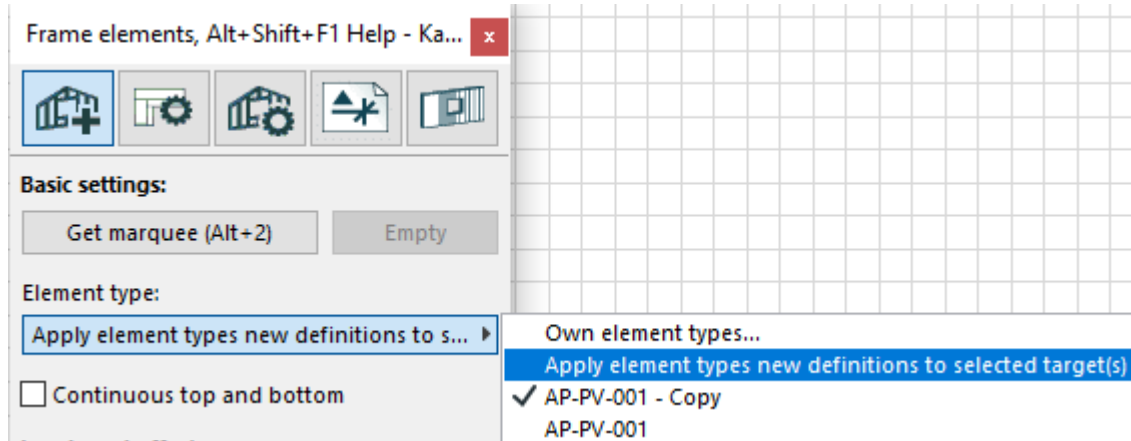
- Supports Archicad 21!!
- ArchiFrame Model View options:

ArchiFrame has its own settings here (Document-menu/Model View/ Model View Options):



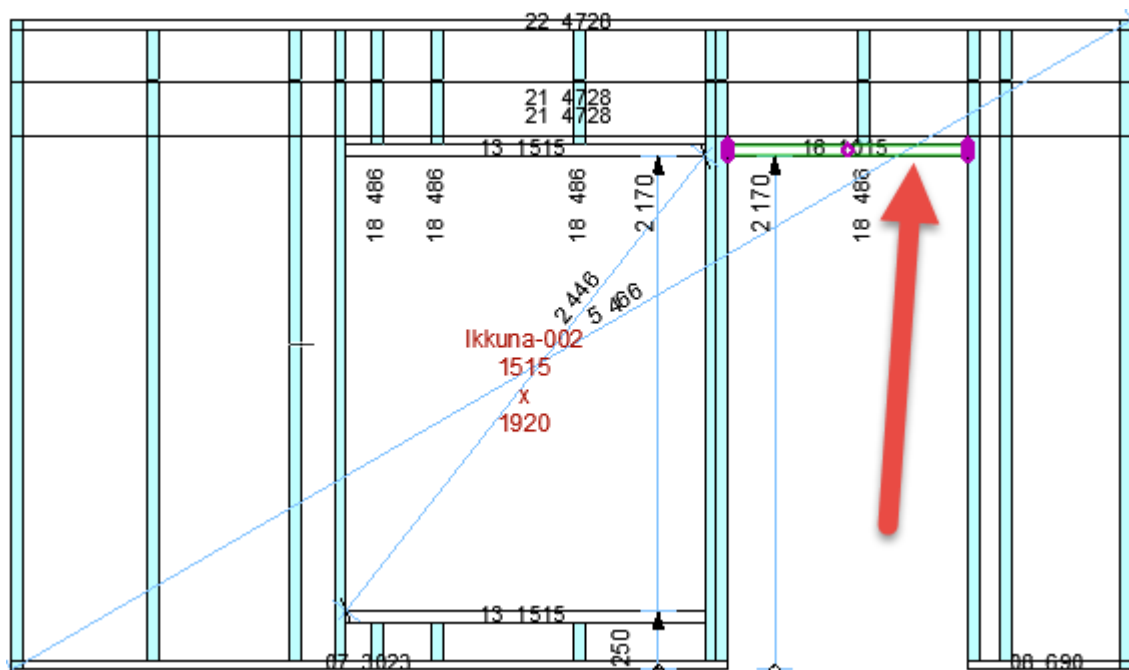
These options can be used for special cases. These options are saved and applied by Archicad views.

- Command *Apply element type's new definitions to selected target(s)* will apply changed settings from custom element type's composite settings to selected structure. Command is unavailable if there are no changes to apply. *Create planks* will apply rules defined in the layer level.



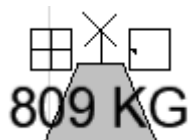
8th September 2017

- Horizontal pieces at top of doors (or any openings that do not make a hole in the element) are now correctly classified as vertical_x and made with same material as window top&bottom:



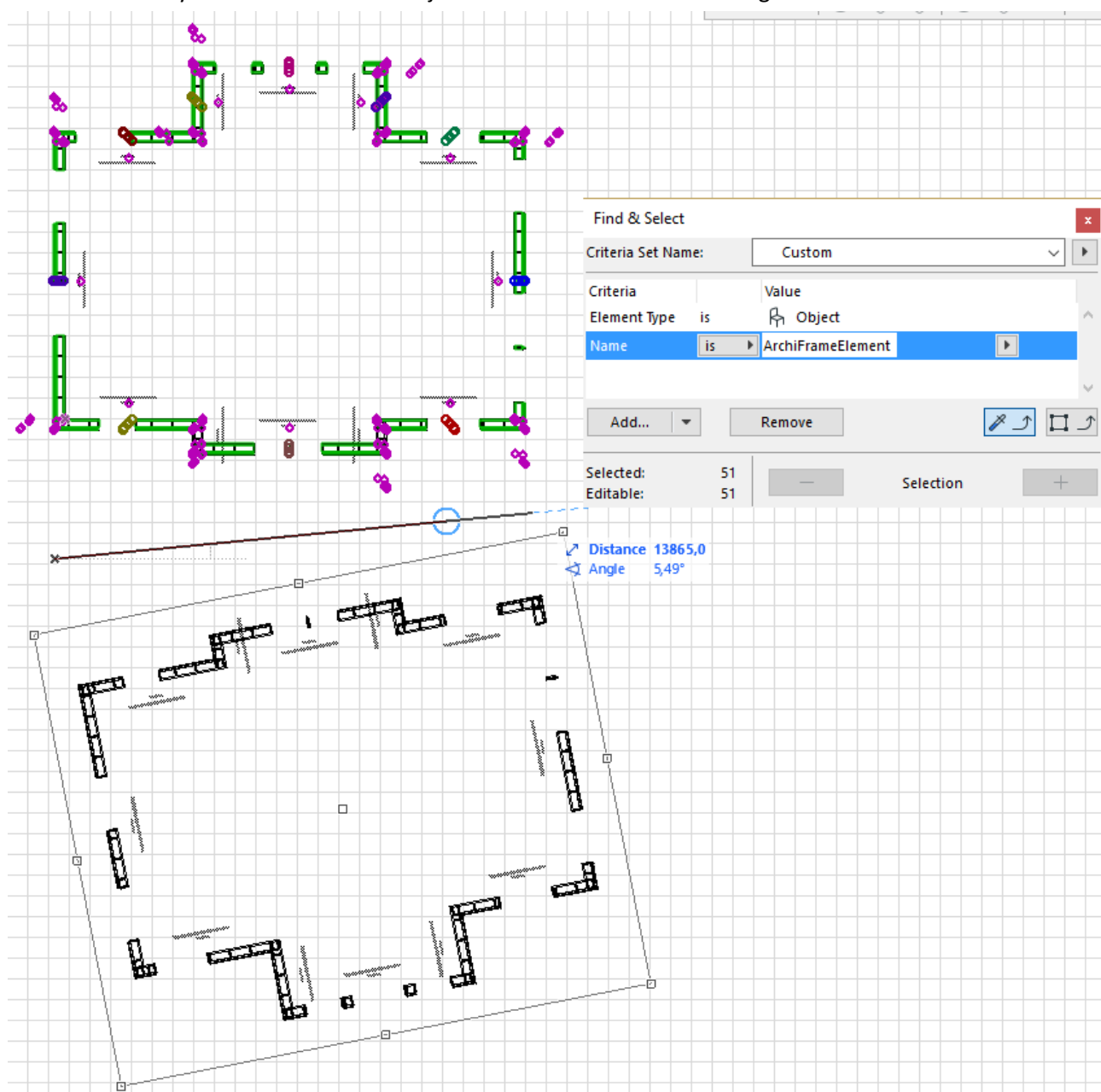
- Weight calculation: window and door markers and more options from own element settings:

Show center of gravity	Possible values are: 0, do not calculate 1, show the real position of the center of gravity 2, show above the elevation 3, show above the elevation and show separate value calculated without doors&windows if different
------------------------	--



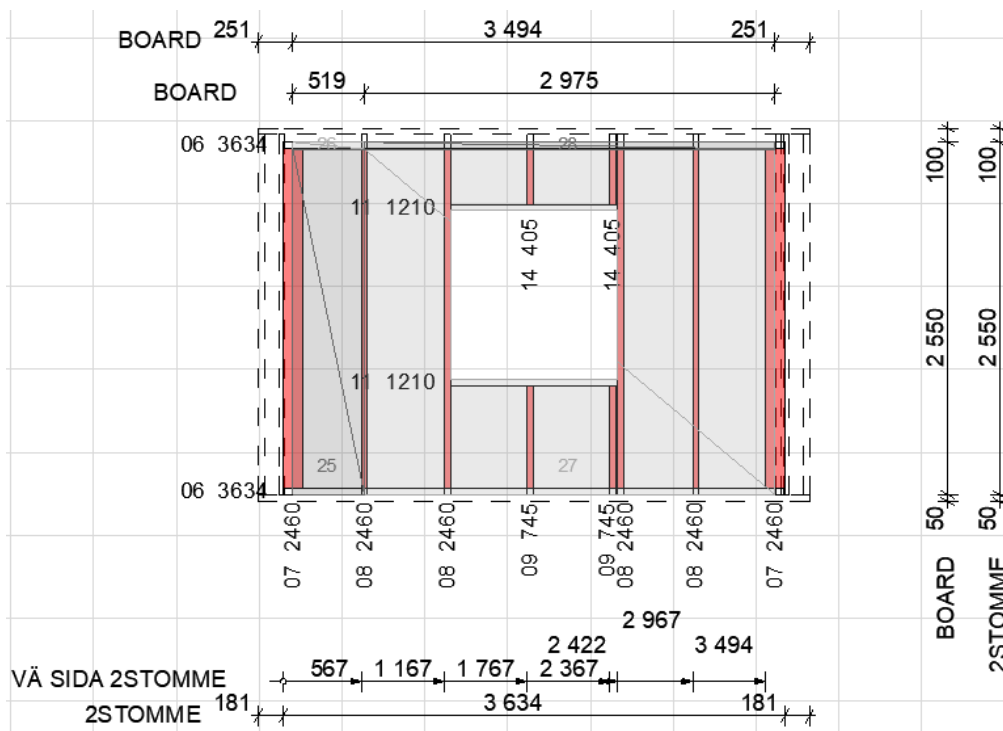
5th July 2017

- First version of the long-awaited support for Mirror & Copy whole element(s). To speed up operation, it is best to select only ArchiFrameElement-objects. Archicad Find & Select is a good tool for that.



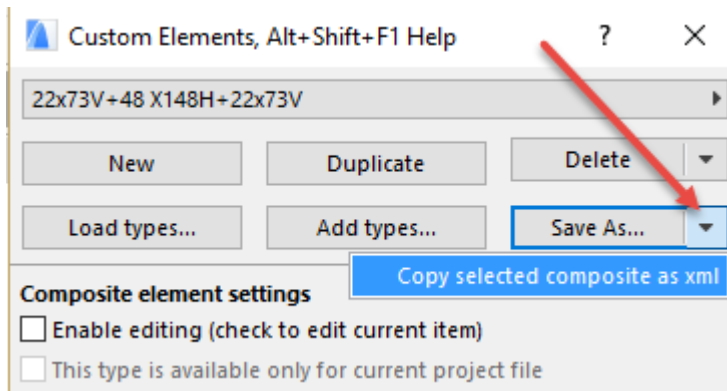
- Also these copy commands will work: Drag a copy, rotate a copy.

- To use any of these copy commands, select all composite layers belonging to the structure.
- Elevations are not copied. The elevations are generated when you click *Update* from element tool. Adjust the settings like the target storey from *More settings...* before updating.
- Possibility to specify settings for each layer in projections to get for example this kind of result (main frame as reference (line type, fill and show length&ID set) and additional studding with reddish fill):



21st June 2017

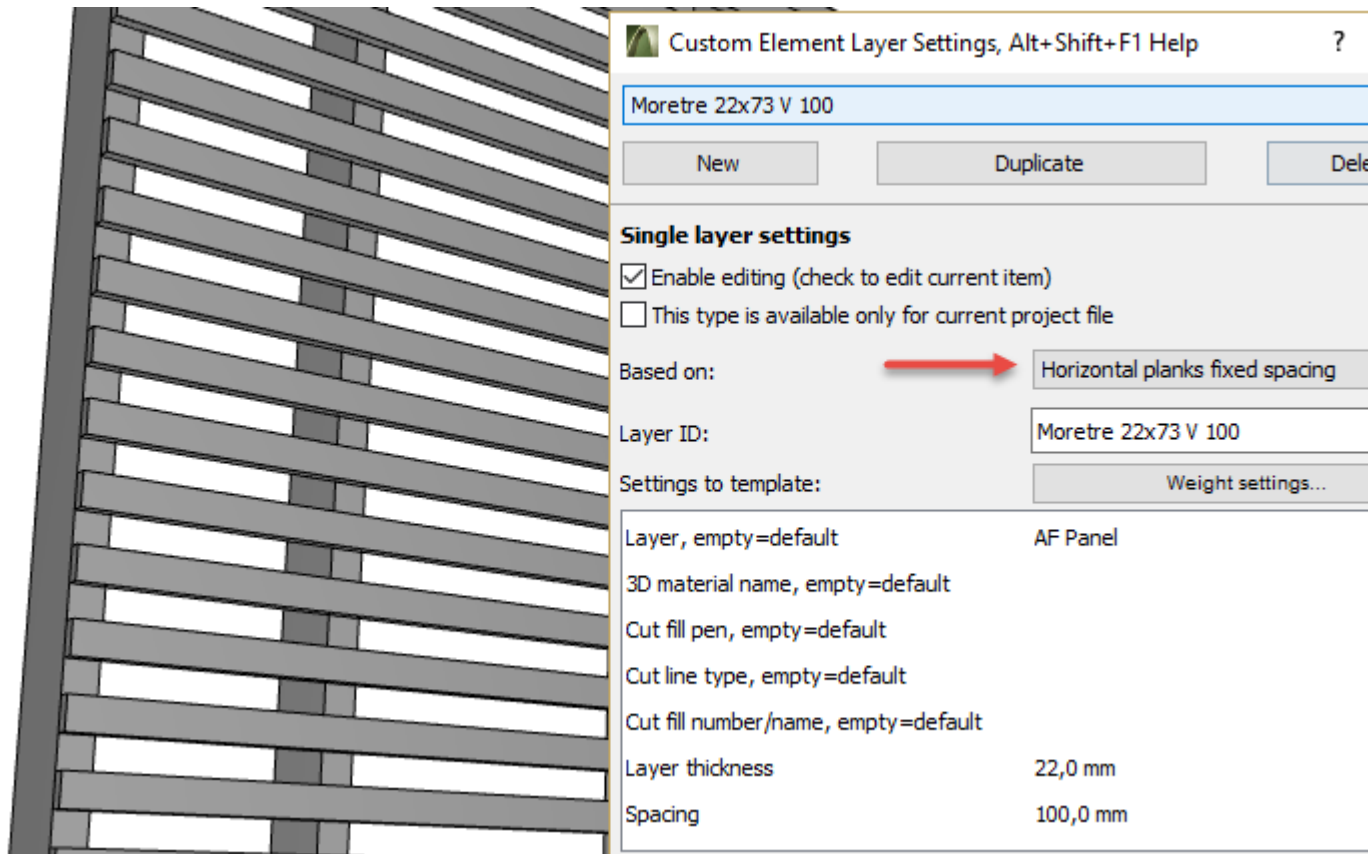
- Option to copy own element type definition into clipboard to be pasted into ArchiFrameElements.xml:



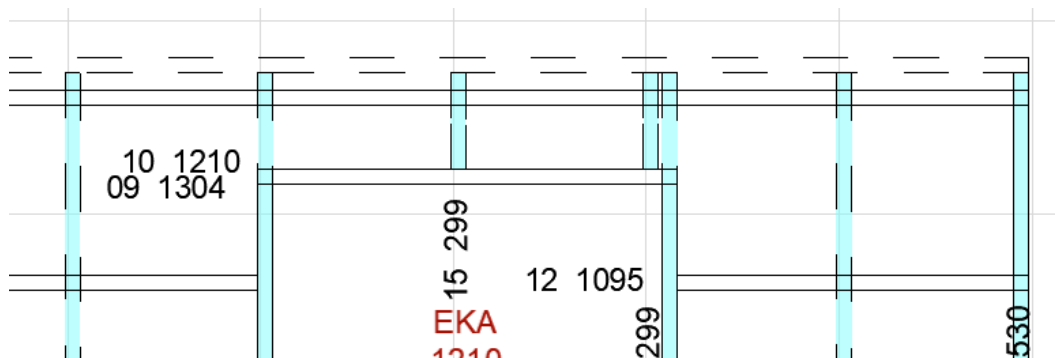
- If element option corner double was checked before planks were created, the duplicates were not trimmed to bottom & top plates.
- Board 3D: Now there will be line in 3D and sections even if there are two similar material boards next to each other:



- New based on types for horizontal and vertical fixed spacing cladding:

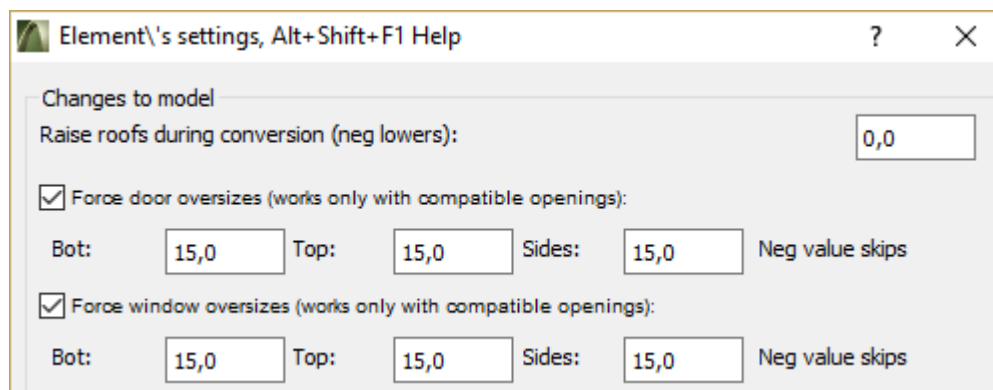


- Changing line type/pen in projection will remain even after updating the element:



12th June 2017

- Weight calculation, please see manual section 10.2 *Weight calculation*.
- Door & Window oversizes can be forced separately:

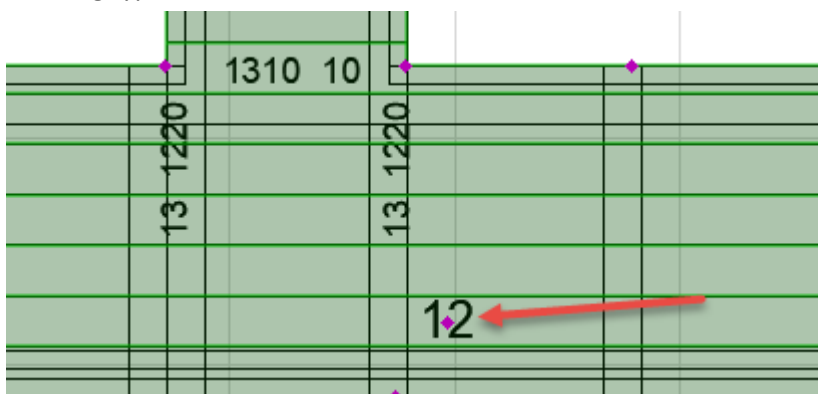


- Many small usability improvements and bug fixes

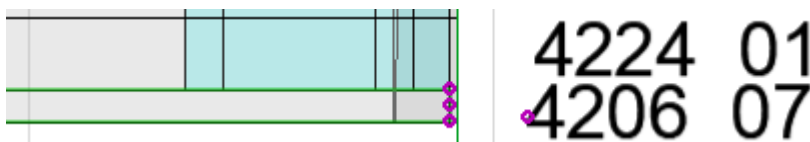
- Bug fix: If plank/board layer(s) were hidden when recreating planks for the element, the old ones were not deleted – caused duplicate planks/boards.
- Bug fix: ArchiFrame created all layers defined in the settings even if own element type settings set the layer. For example layer AF Board was created even if not finally used.
- Bug fix: If cladding layer was exploded and the ArchiFrameBoardPanel object was left to show CNC-cutting lines, the cladding pieces were calculated from both the exploded planks and the ArchiFrameBoardPanel. Now calculates only exploded planks if the layer contains any planks:

PANEL 23x135		
5776	24	02 11 26 30
1823	16	17
891	16	19
641	16	18

- Cladding type ArchiFrameBoardPanel does not show the ID in elevation any more (12 removed):



- Back projection IDs now correctly orientated:

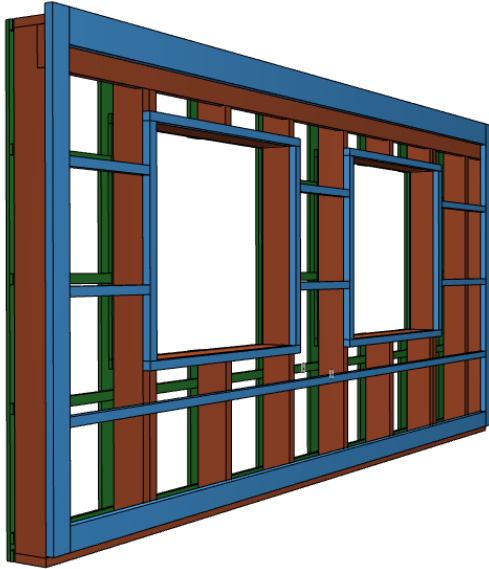


- Cutlist grouped two different shape boards together if they had exactly same area.
- RenderLIGHTS-export asks for file name if clicked in TeamWork-model or file has not been yet saved.
- Check for doubles tolerance increased from 0,1 mm to 5 mm or 20% of the related plank's minimum extent if that is less than 5 mm. Now the doubles are reported if the other plank comes less than 5 mm out from the other one (0,1 mm previously).
- Plank specific settings are applied for pieces used in elements in addition to plank tool. Allows for example using different pens or fills in element pieces (will apply these settings also when changing type of existing piece):

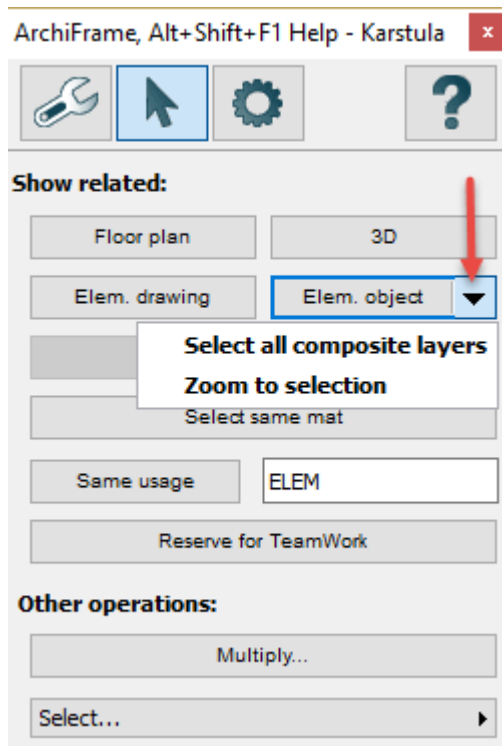
```
<material id="48x223" name="48x223" thickness="0.048" height="0.223" shape="block"
maxlen="99" m3factor="0.000">
  <settings>
    <plankdefaults>
      <elemparam name="pen">1</elemparam>
      <objparam name="iFillPen">123</objparam>
    </plankdefaults>
  </settings>
</material>
```

- Fix: Simple planks projected using fast projection cleared the background even if the fill was transparent.

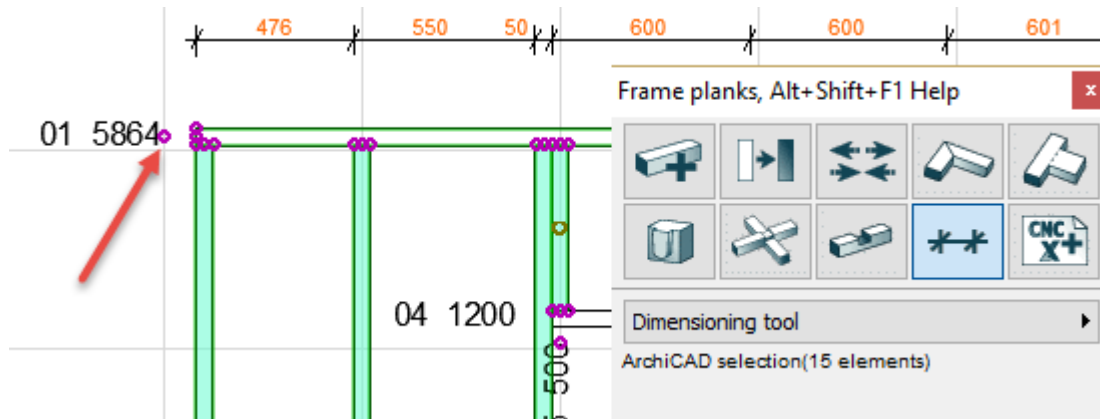
- Possibility to set 3D-material and cut fill pen/fill/line used in Archicad sections per layer for your own element types, see manual page 54:



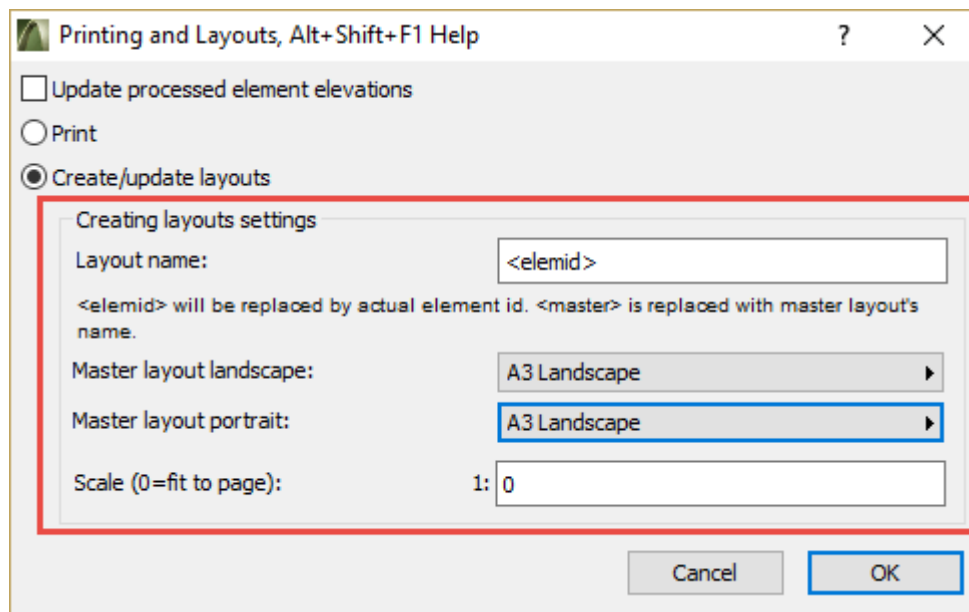
- More flexibility to make customer specific changes to data-folder. Please see part “3 Getting started: entering main settings and setting up the material list” from the manual.
- Selection tool has options when selecting related ArchiFrameElement-object(s):



- Dimensioning tool took hotspots outside the plank/board, now limits to hotspots inside the piece:

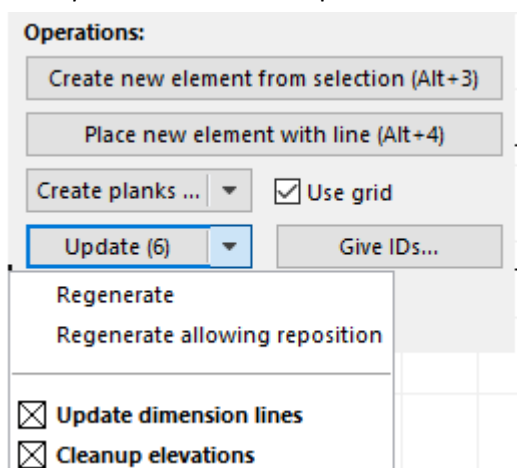


- All layout settings are saved/restored into preferences:



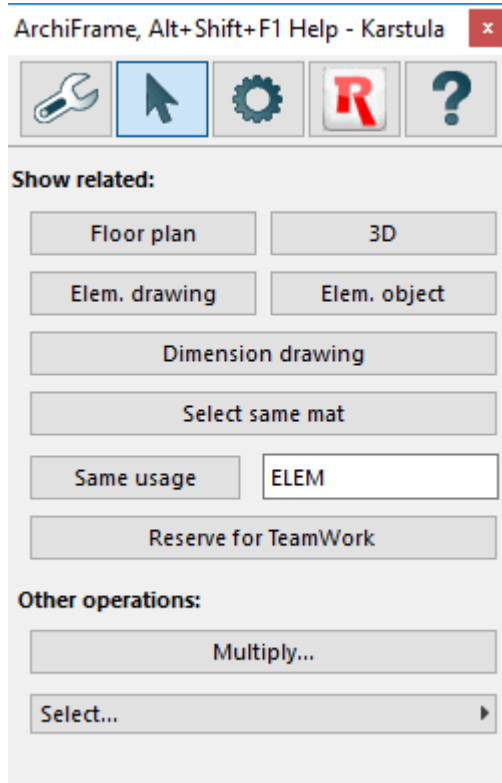
16th February 2017

- *Cleanup elevations* cleans up:

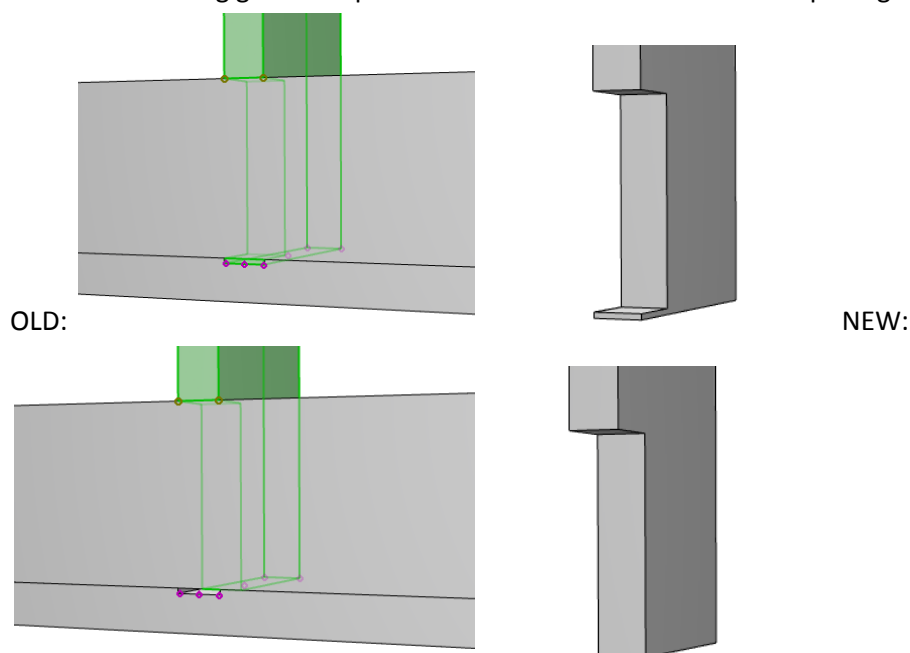


- Overlapping plank IDs
- Board IDs overlapping with planks and other board IDs
- Cross dimension overlapping with any ID or planks

- Software license was not correctly detected. Now SW-licenses work ok again.
- AC20 Teamwork receive changes caused duplicate planks into the model.
- *Reserve for TeamWork* reserves takes the selection and extends it to contain everything in the element including other layers, elevation drawings, floor plan pieces, dimension drawings and related ArchiFrameElement-objects. Then it reserves these elements for editing. After the editing is done, all changes are sent to the TeamServer with standard *Send & Receive* and finally released with *Release All*-button.



- Lintels next to the opening and marking grooves: Old version did not apply any oversize to the groove and that left a marking groove depth leftover to the stud over the opening:

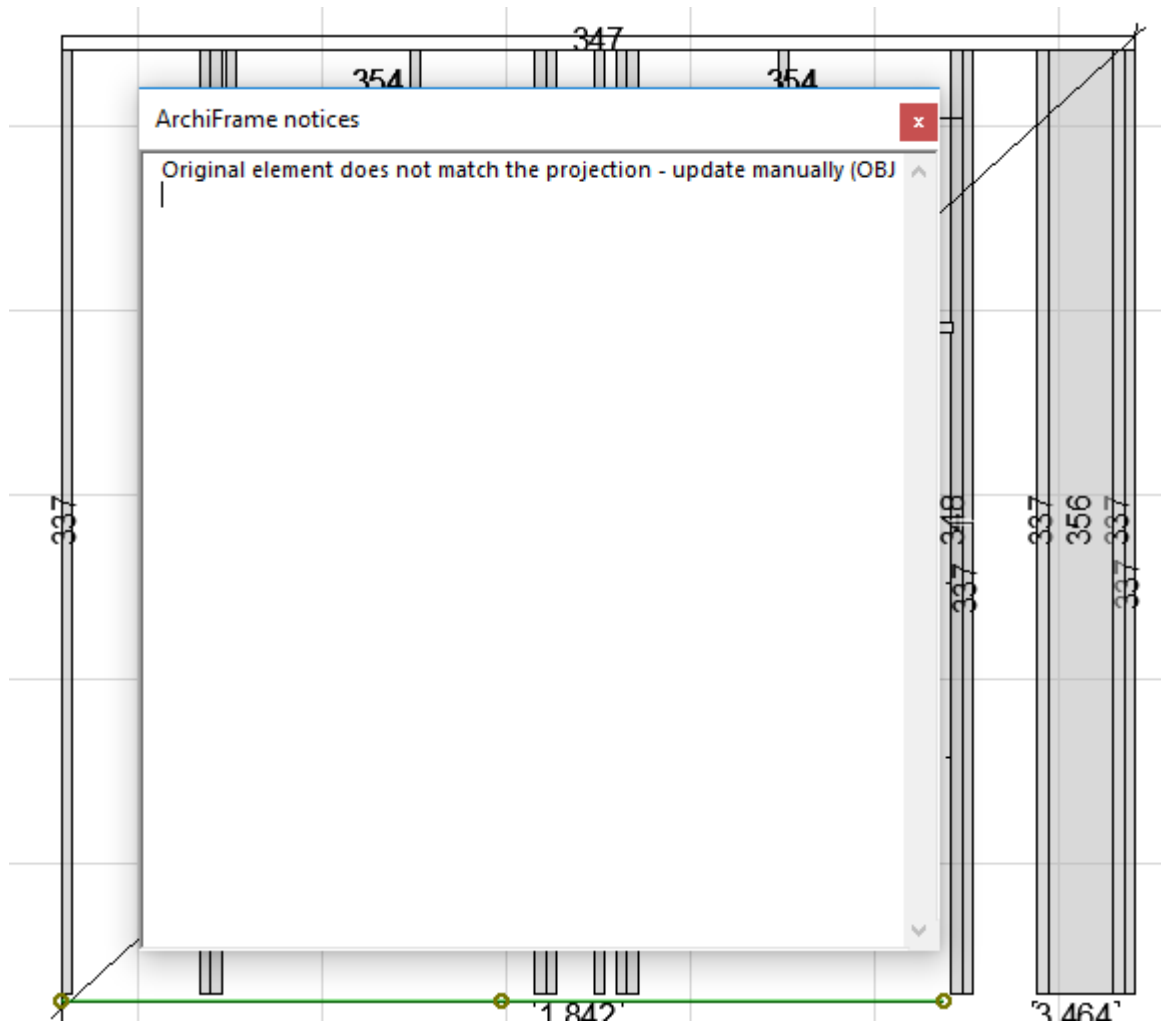


- Hundegger bvn export for dovetail mortise was saved with depth equal to tool size. Now with value defined in ArchiFrame-tools. May have caused too deep mortises.

- Support for Hundegger also for lengthwise shape:



- Hotlinked walls/roofs/slabs can now be used as ArchiFrame's element sources.
- Top & bottom pieces with marking lines/texts may have caused this error message when editing in the elevation:



Old models will be fixed by clicking *Update*-button in element tools.

19th December 2016

- No more error messages when placing hotlinked module
- Tools to make lengthwise shape, please see manual part 7.1.1 *Lengthwise shape*:



Currently CNC-support for Weinmann btl only.

- ArchiFramePlank 2D generation speed improved: If the plank has no profile nor any machinings, it is projected in less than half time compared to previous version. Speeds up opening an elevation floor by about 25% depending on planks' complexity.

- Mac version with newest OS X palette problems with AC19/20: Now palettes work ok – you can move and close & open the palettes freely.
- Script based cutlists allow tailoring to get for example this kind of list:

MATERIAL LIST

MATERIAL	PIECE	QTY	LENGTH	REMARKS
362S200-33	01	1	109,05"	~
550S162-43	02	1	109,05"	~
550S162-54	03	11	109,05"	~
	06	3	13,05"	~
550T150-43	08	1	203,39"	~
	05	1	137,38"	~
	07	1	36,00"	~
	04	1	30,01"	~

18th October 2016

- Possibility for custom script based cutlists

8th September 2016

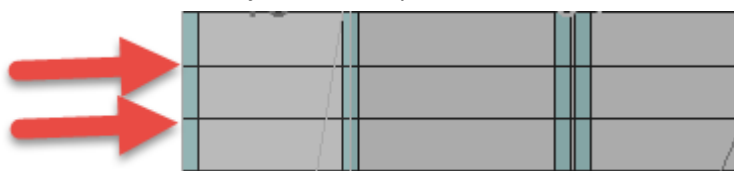
- Own element types: If any string entered by user contained one of characters "<" "&", using the element type failed. Classic xml-bug fixed.
- Projections may have been not in sync with 3D after creating lintels.
- Boardpanel object is shown as wireframe in 3D after exploding. Can be set from object settings/view settings.
- Possibility to force visibility in 2D regardless of the cut plane settings. Please see part 10.4 Element settings dialog from manual or press Alt+Shift+F1 in Elements/More Settings dialog.

31st August 2016

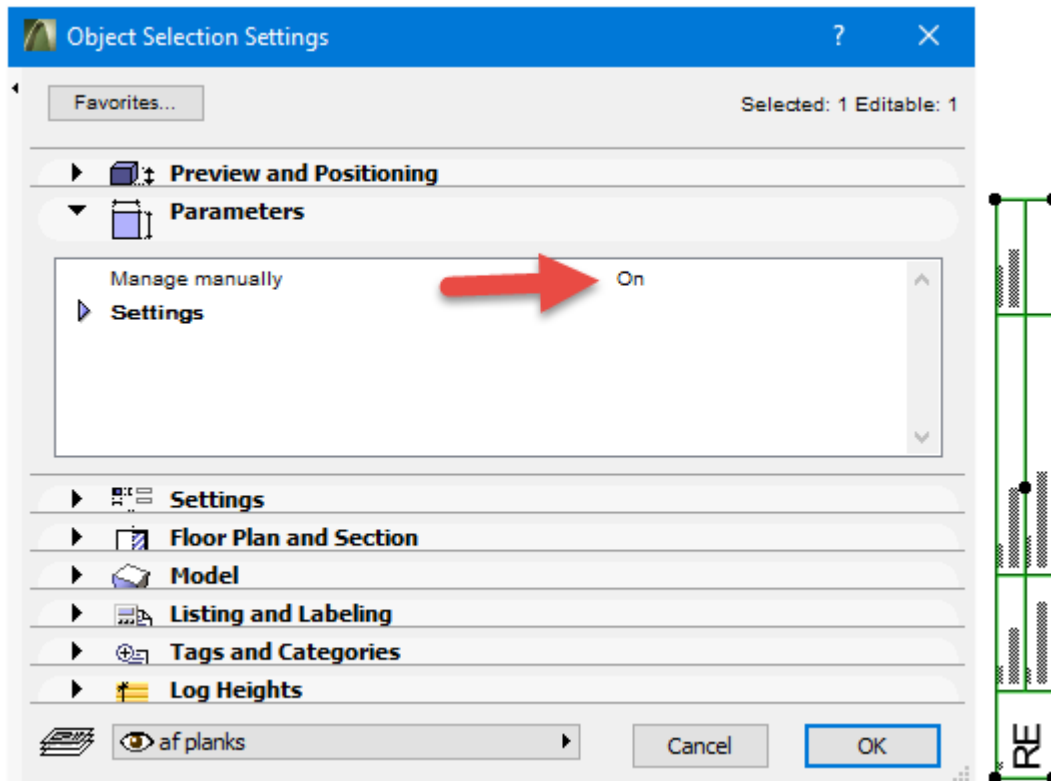
- Mac-version 20 was unstable, fixed now.
- Possibility to limit opening offsets, please press Alt+Shift+F1 at main element tools for details.

23rd August 2016

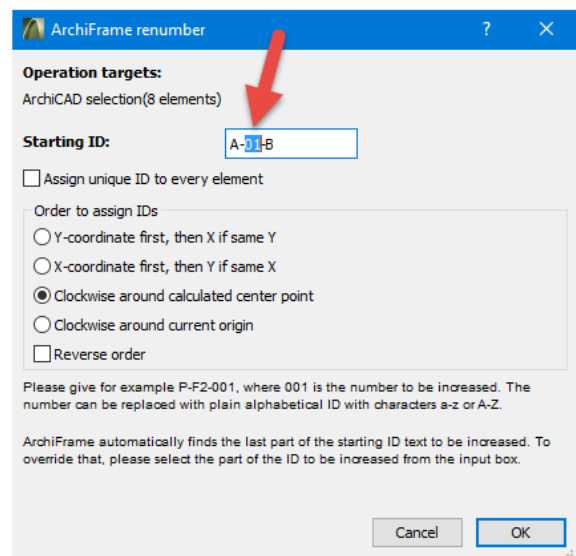
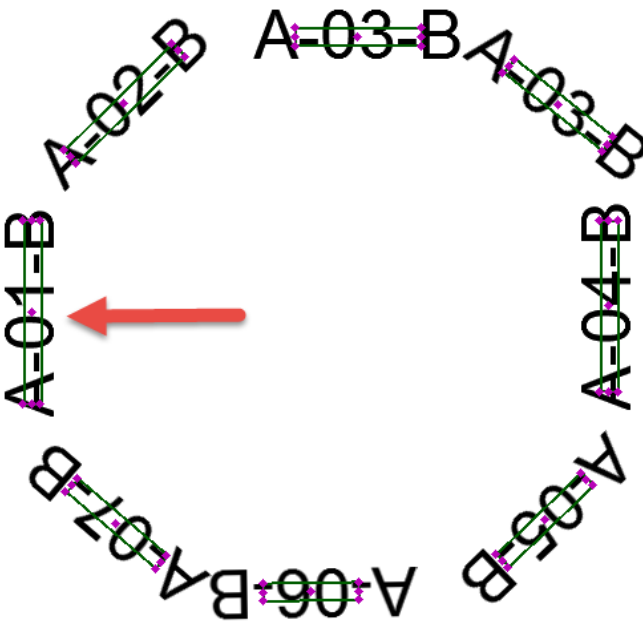
- Support for Archicad version 20. Please note that you need to use the newest library – it has fixes that makes it compatible with also Archicad 20. The library works starting from Archicad 13 and is fully backwards compatible.
- ArchiFrameBoardPanel-object now snaps the mouse to the seam lines:



- Element stamp has parameter that leaves the element stamp untouched even if the element is recreated with button *Create planks*:



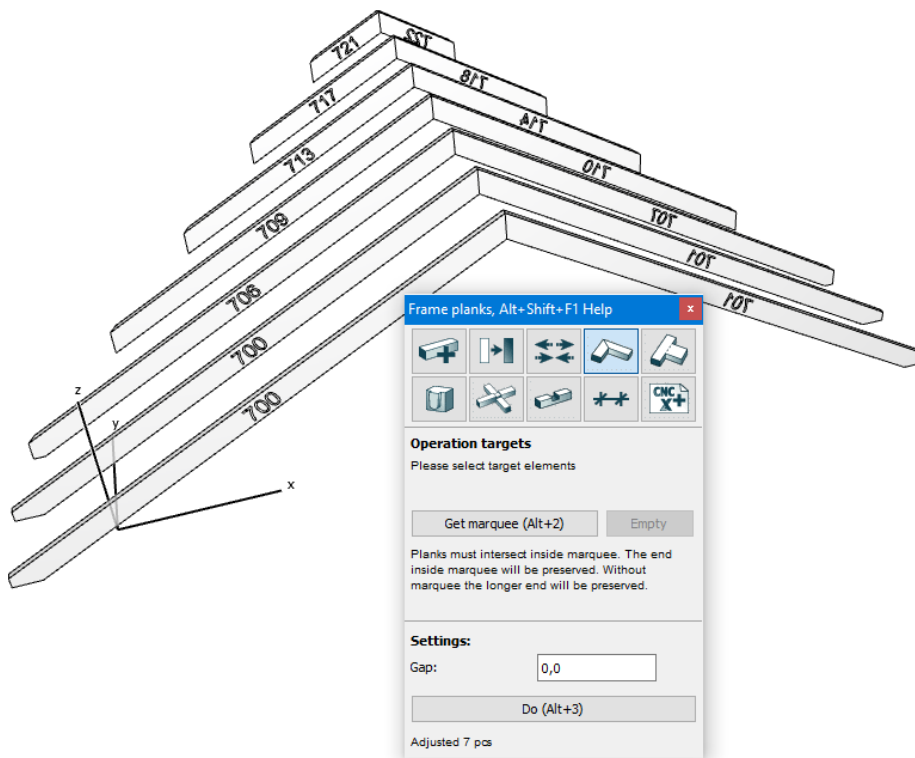
- Renumber improvements, please press Alt+Shift+F1 to get more information:



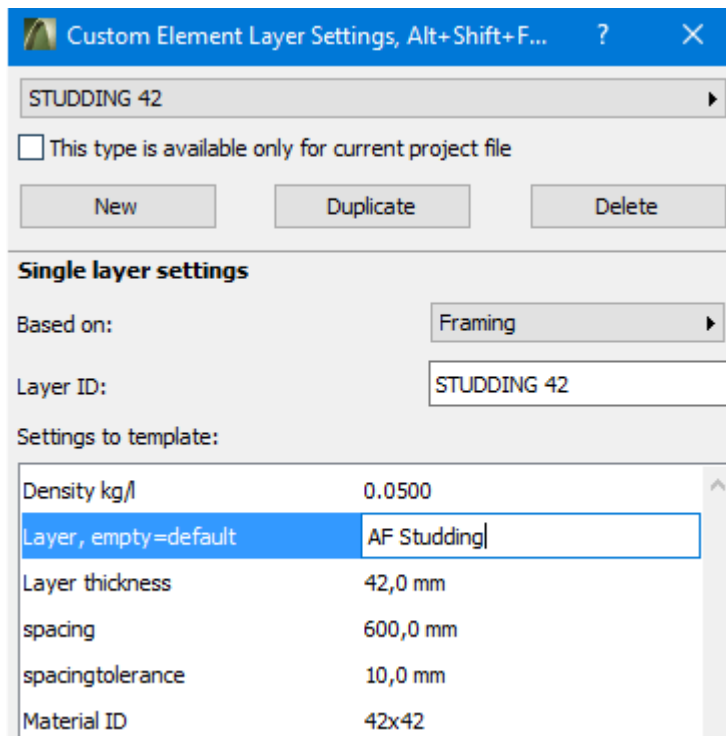
13th July 2016

- Full support for Graphisoft's software protection. Works starting from Archicad 18 build 7000.

- Join ends tool now supports handling multiple pairs at time:



- Layer setting added to own element types:



5th July 2016

- Hundegger bvn-export: If plank's material ID is different from its width x height, it will be added here:

Part No.	Part Name	Req.	Cut	Width	Height	Length	Unit	Gr	Profile	Roof	Comments
201	201	1	0	36,0	148,0	2428				0	
203	203	1	0	73,0	73,0	1527				0	73x73IMP

- Editing plank's rotation angle now keeps the selected anchor point unmoved:

Frame planks, Alt+Shift+F1 Help x













Operation targets:
No AC-selection - new plank will be added.

Plank type: 40x95 METAL ▶

☐ Force type ID: 40x95 METAL ▶

Mat width: 40,0

Mat height: 95,0

Max length: 99000,0

Type: ELEM ▶

Anchor:     

Level: 2240,0

Length or height: 423,0

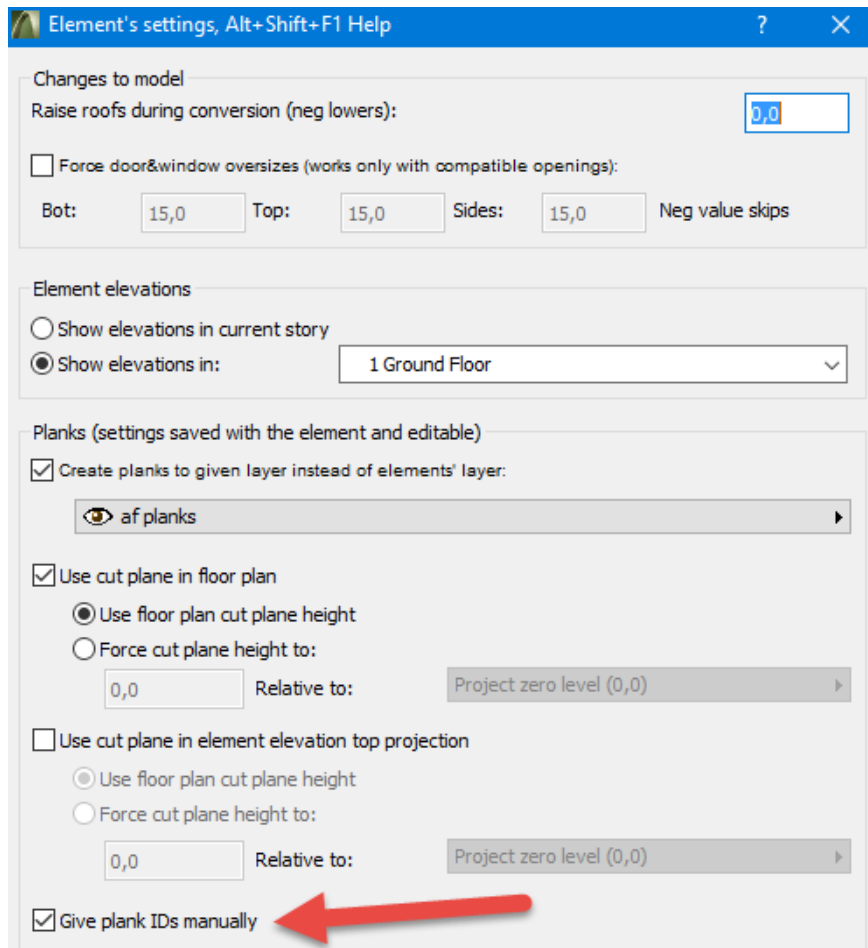
Level relative to: Active floor (3000,0) ▶

Tilt angle (90=Column): 90,00°

Rotation angle:  -90,00°

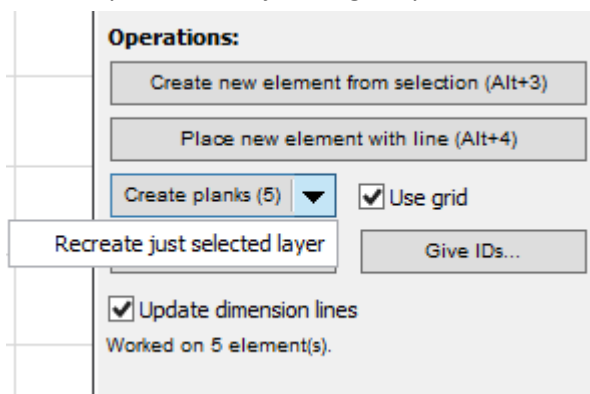
- New template for metal framing
- Horizontal spacing pieces for floor structures did not always come correctly.

- The boards will get IDs even if this setting is checked (affects now only the planks):



23rd May 2016

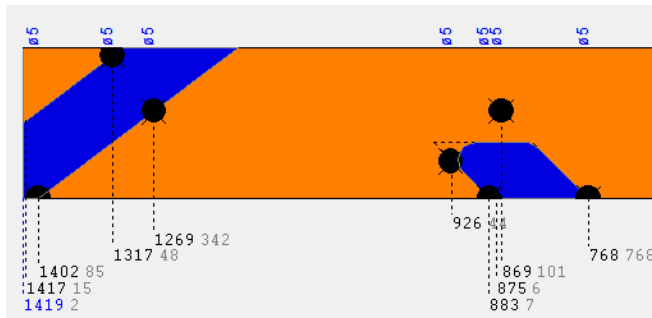
- ArchiCAD 15 support dropped due to usage of newer UI components in ArchiCAD. Now compatible with ArchiCAD 16-19.
- Possibility to recreate just single layer:



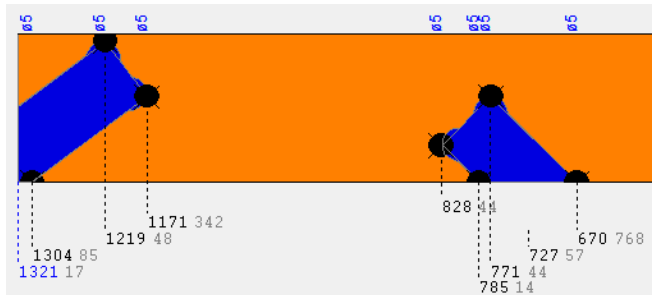
- Possibility to delete nailing by dragging its' begin or end point outside the plank.
- Hundegger bvn-export fix for this kind of grooves:



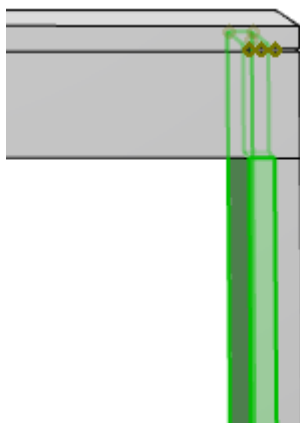
In bvn it was saved as (black dots are drillings):



New version:



- Weatherboard rules updated for standard trapezoid etc. Windows for library 18+.
- New option for elements:



☒ Double studs to left and right

☐ Lintels no load (set only)

☐ Lintels load bearing (set only)

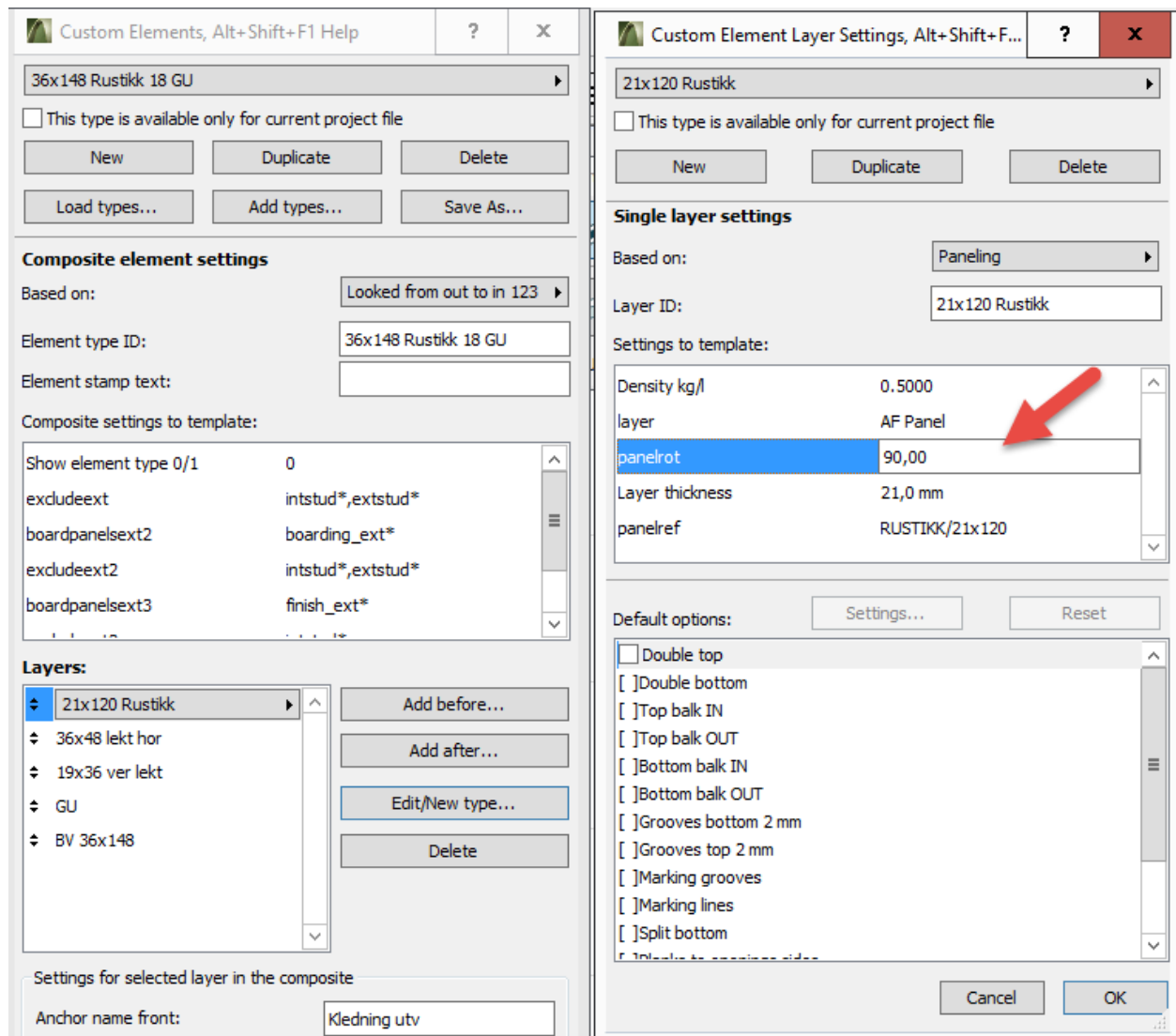
Lintels custom for selected pieces

☒ Apply automatically

Apply (Alt+3)

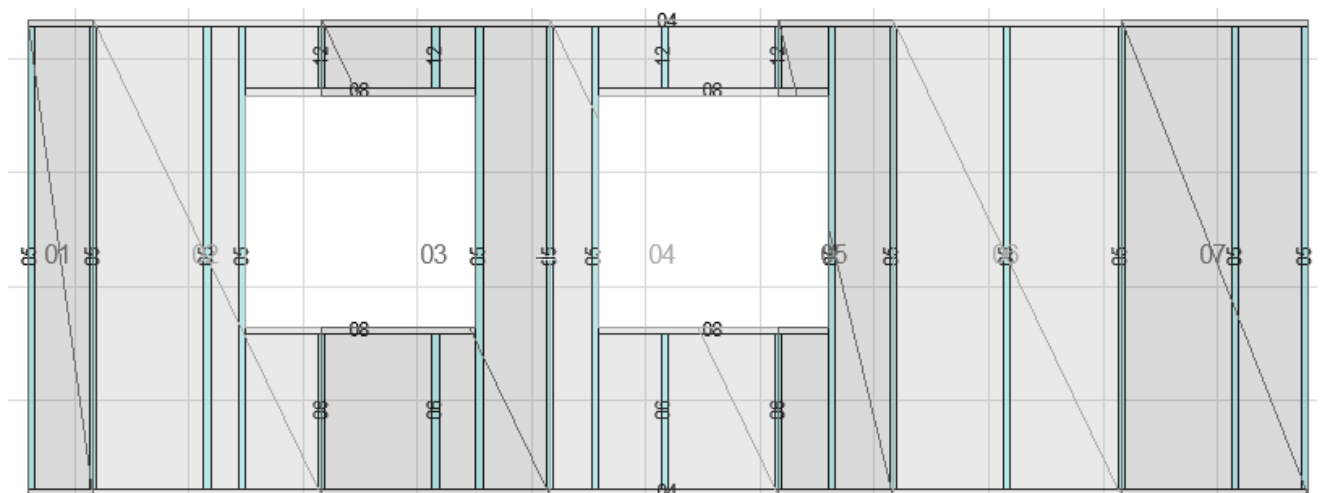
Worked on 1 element(s).

- Panel rotation angle adjustable (to have vertical cladding). You can try also value -90 to get the panel male/female swapped compared to 90:



26th April 2016

- Diagonal lines for boards on by default:



Can be set off from own element types here:

The dialog box is titled 'Custom Element Layer Settings, Alt+Shift+F...'. It features a dropdown menu at the top set to 'GU'. Below this is a checkbox labeled 'This type is available only for current project file'. Three buttons are present: 'New', 'Duplicate', and 'Delete'. The 'Single layer settings' section includes a 'Based on:' dropdown set to 'Boarding', a 'Layer ID:' text field containing 'GU', and a 'Settings to template:' section. This section contains a table with the following data:

Density kg/l	1.1000
layer	AF Board
boarddialine	1
Layer thickness	9,0 mm
Overlap multilayer boards 0/1	1

- New Hundegger option to save only pieces from core layer if plank is related to an element:

The dialog box is titled 'BVN-writing settings'. It contains a table with settings and checkboxes:

Setting	Value
Write splinter free codes	☐
Write also top and bottom pieces	☒
Automatically rotate piece/widest side towards table	☒
Save into separate files based on element IDs	☐
For element-related pieces save just core-layer	☒

At the bottom right, there are 'Cancel' and 'OK' buttons.

- RENDERLight export while pressing shift opens Save As dialog to give name for the dae-file.

6th March 2016

- Possibility to overlap board edges if many board layers. Also setting to boarding strategy. Available for own element types based on boarding (press Alt+Shift+F1 for more help):

Custom Element Layer Settings, Alt+Shift+F...

GYPSUM13

☐ This type is available only for current project file

New Duplicate Delete

Single layer settings

Based on: Boarding

Layer ID: GYPSUM13

Settings to template:

Density kg/l	1.1000
layer	AF Board
Layer thickness	13,0 mm
Overlap multilayer boards 0/1	1
Boarding strategy (see help)	2

- Tools to edit element layer offsets, please see the manual (Alt+Shift+F1):

Frame elements, Alt+Shift+F1 Help

Basic settings:

Get marquee (Alt+2) Empty

Element type: WALL 173+42 PANEL OUTIN

☐ Continuous top and bottom

Levels and offsets:

☒ Top: 2800,0

☐ Bottom: 0,0

Level relative to: Active floor (3000,0)

Layer offsets:

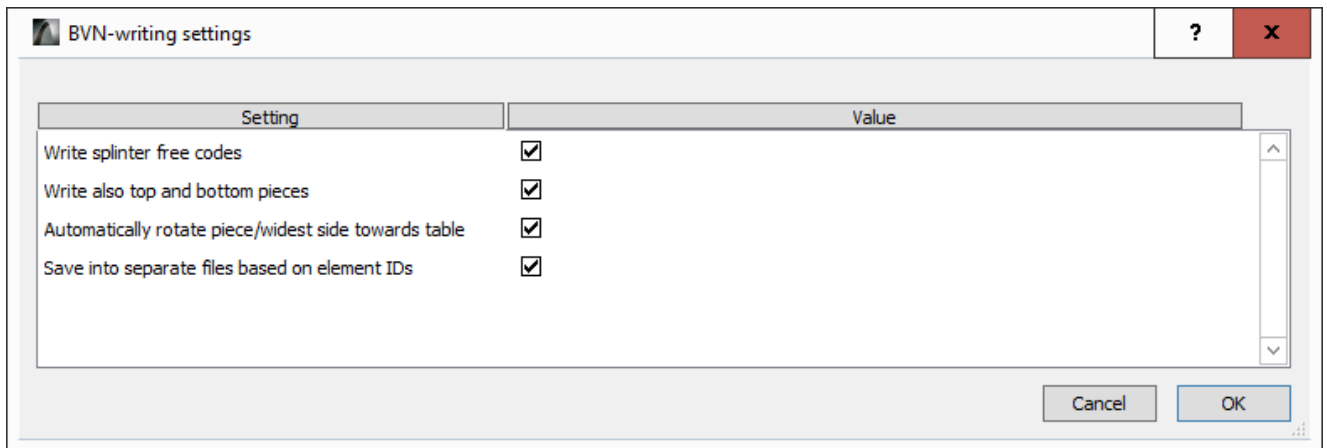
Edges: Bot+50, Top+100

Openings: finish ext+10,2,30,40

- Boards can be nailed even if they are not next to the nail target framing (for example two layer boarding)
- No nailings at the same place: Nailings are placed so that minimum distance with the nails in the same element group is this:

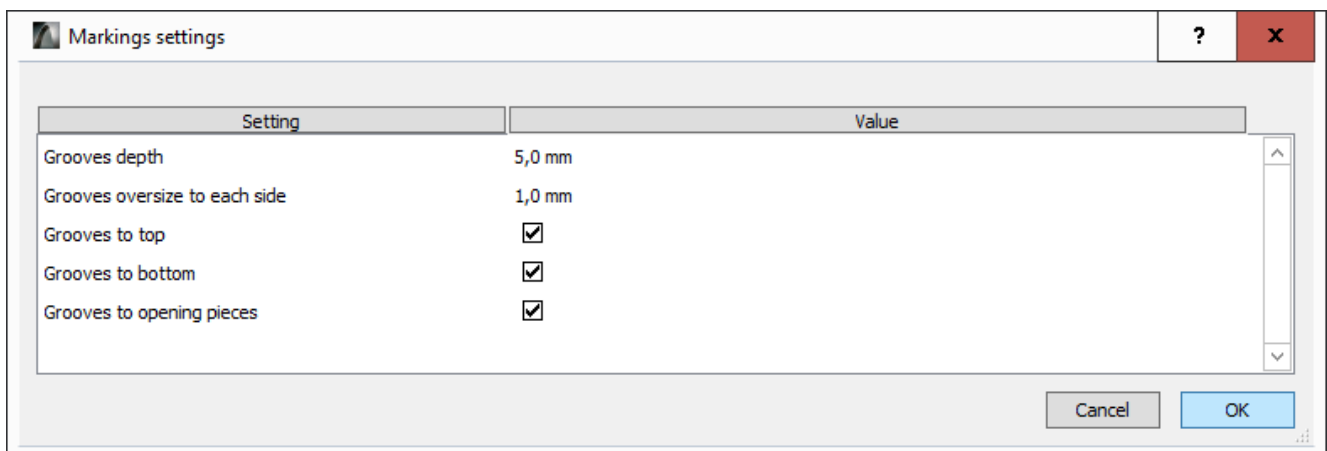
Minimum distance between nails inside plank: 25,0

- Option to split Hundegger bvN-file by element ID:

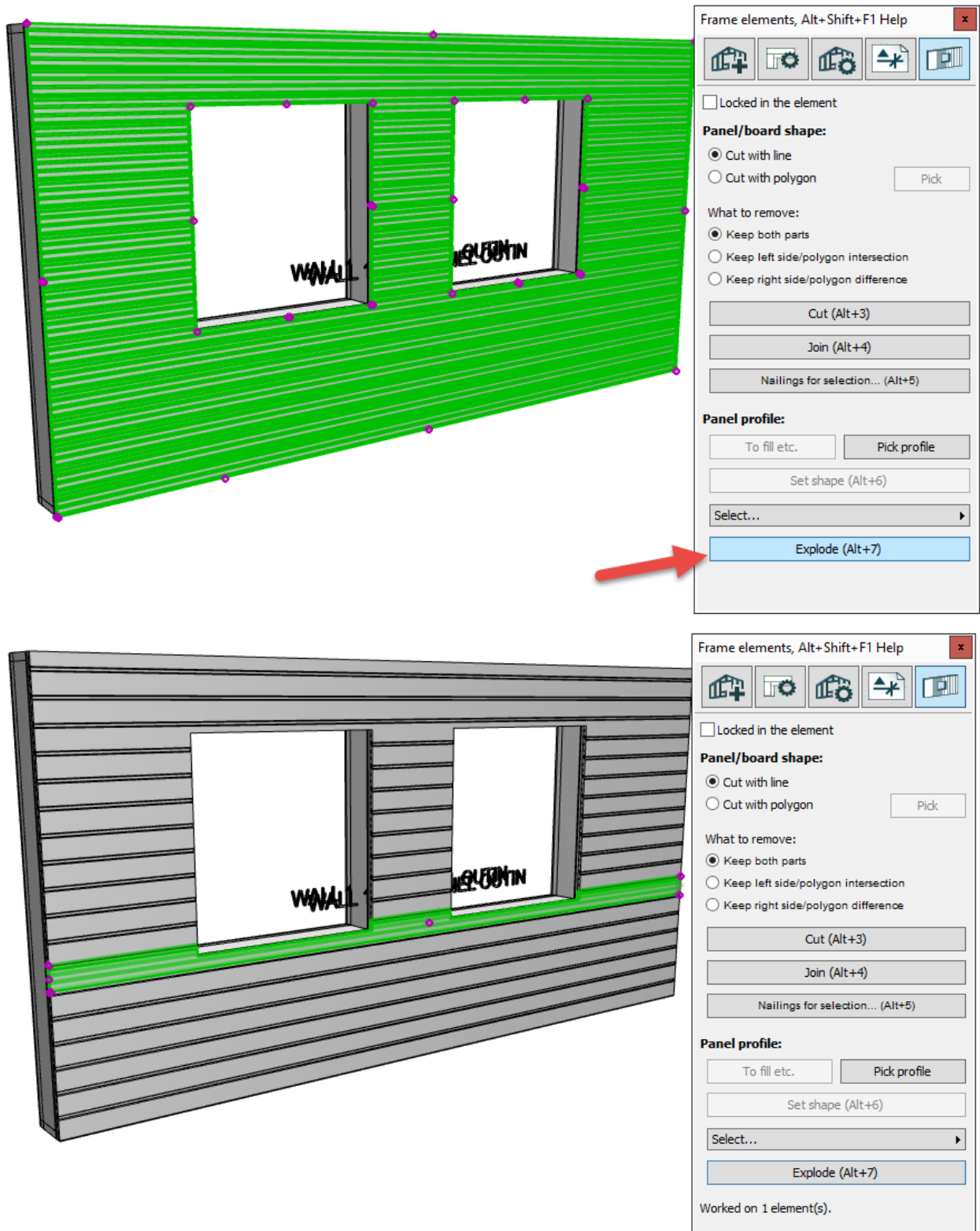


22nd March 2016

- IMPORTANT BUG FIX: When attaching planks to multilayer element using the element projection tool, the projection planks may have been created into the main plank's floor instead of elevation floor. Also plank was always attached to the element's core layer even if selection was not related to that one.
- IMPORTANT BUG FIX: Grouping ArchiFrame pieces is now better.
- If language was not English and ArchiFrame palette was closed, it did not open from Options-menu before deleting user specific settings.
- New option Marking grooves with various settings:



- Paneling can be exploded to separate pieces:



- Panels included in automatic cut list. If panelling is not exploded already, ArchiFrame will do it for internal calculation temporarily. Temporary pieces are grouped just by maximum length:

42x173		
5040	2	03
2423	11	05
1210	4	09
801	4	07
318	4	12
PANEL 23x135		
5040	11	
1127	8	
851	8	
641	8	
42x42		
5040	2	04
2423	11	06
1210	4	10
801	4	08
318	4	13

- Spacing rules for horizontal walls were erratic.
- Automatic spacing now uses spacing value starting from edge of the element instead of center of the leftmost/rightmost piece.
- CNC output Hundegger bv: Some new options and if there is forced plank type, it will appear to Hundegger. If plank material ID is widthxheight, the text in Type-field is added after plank ID, otherwise the material ID:

Plank type: 42x173 ▶

☒ Force type ID: 42x173 IMP ▶

Mat width: 42,0

Mat height: 173,0

Max length: 6000,0

Type: HELLO ▶

A-01 is not forced type, A-02 is forced to 42x173 IMP:

Nb	Part	Req.	Cut	Width	Height	Length
1	A-01 (HELLO)	1	0	173	42	2423
2	A-02 (42x173 IMP)	1	0	173	42	2423

25th February 2016

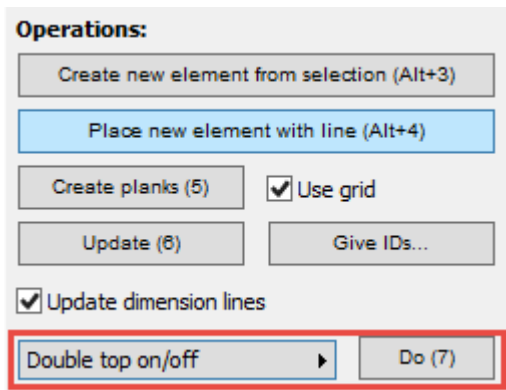
- Fixes to own element types and templates.
- More options for dimension lines including possibility to dimension boards only.

7th February 2016

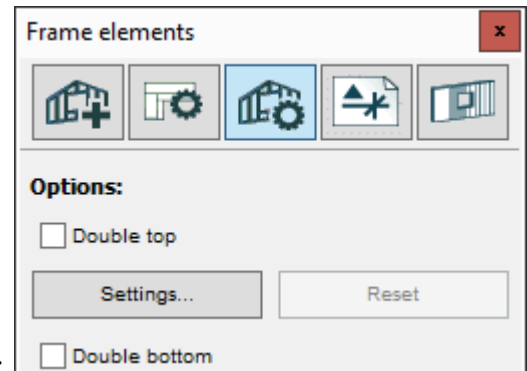
- Context sensitive help everywhere. Press Shift+Alt +F1 or Shift+Option+F1 in Mac.
- Fixes to own element types and templates.

1st February 2016

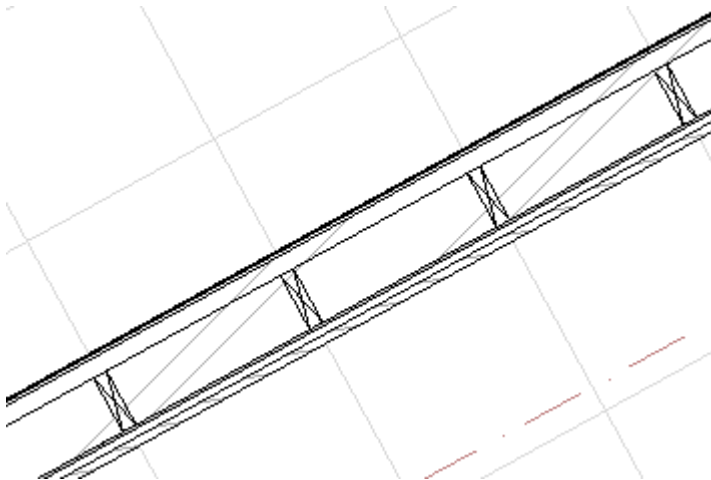
- Removed Element tools/Automations (all these are better done in the element options tool):



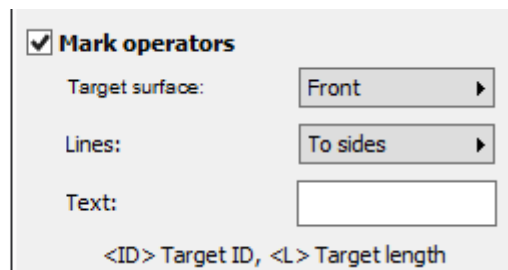
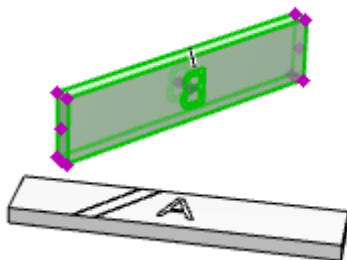
Options still here:



- Rotated grid did not work when creating planks and [x] Use grid was checked:



- Possibility to mark planks even if there is no intersection and setting to select the marking target surface:



- Own element types/Custom element tools (please search for that text from the manual):

