Version history

This document contains 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). If you have custom data-folder, please copy following files from C:\ArchiFrame\Data to your custom data-folder:

- ArchiFrameCnc.lua (CNC-writer, do not copy if you have tailored CNC-writer)

- ArchiFrameListing.lua (listings, do not copy if you have tailored file)

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.

AC23 & AC24: In some cases, like copy & mirror projection plank Archicad crashes. The problem should be fixed in next Archicad update – Graphisoft is working on it. Also, layouts' clipping may change by itself – waiting for Graphisoft's response also. For now, do not check this option with AC23 and AC24:
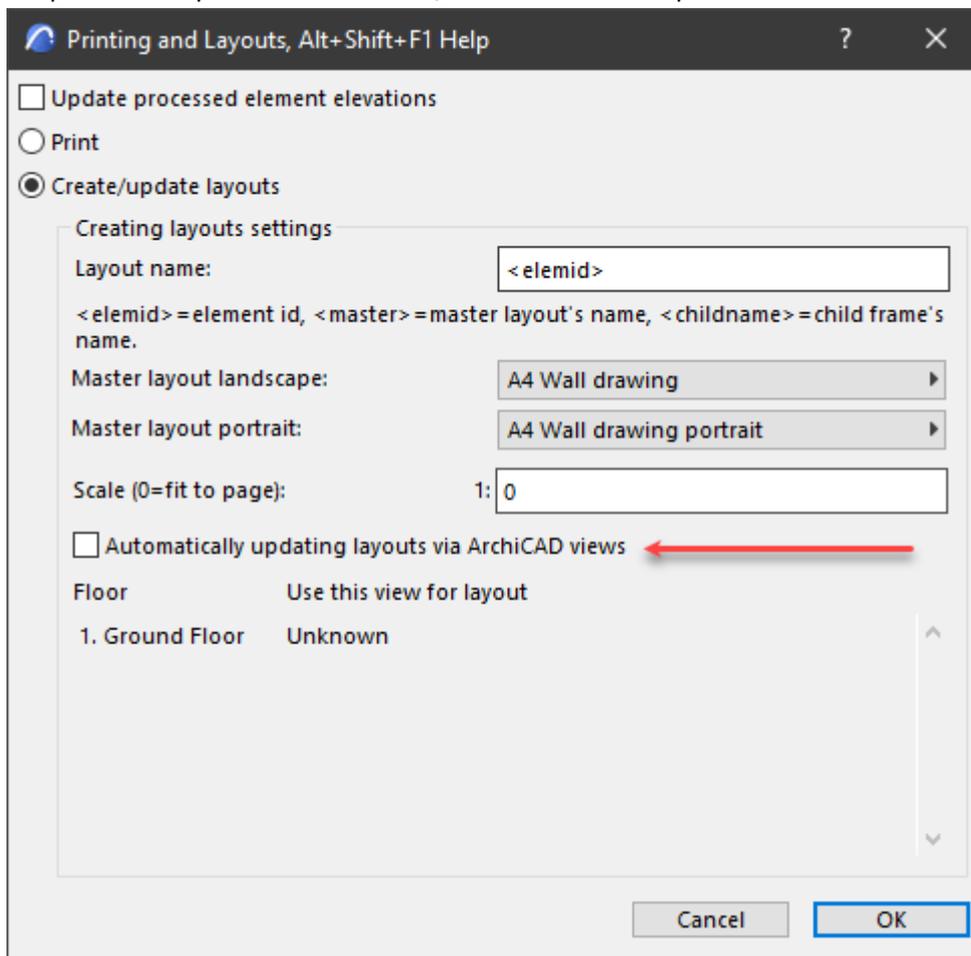
4th Nov 2020

- 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:
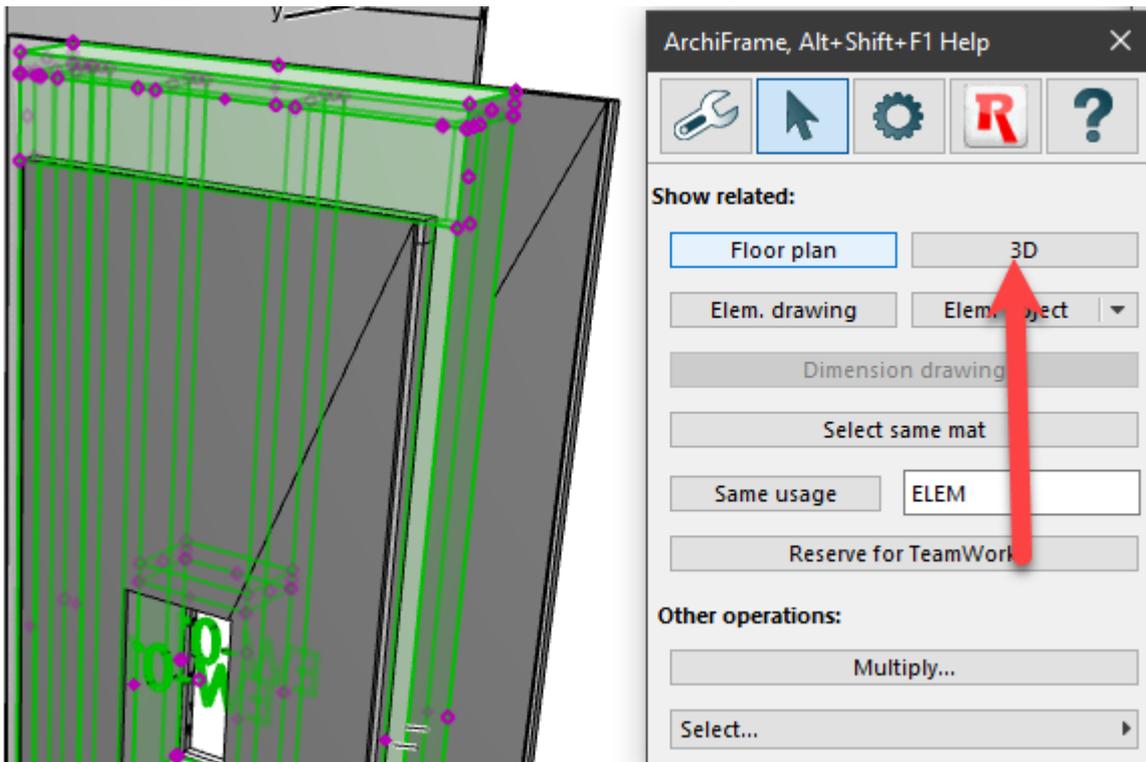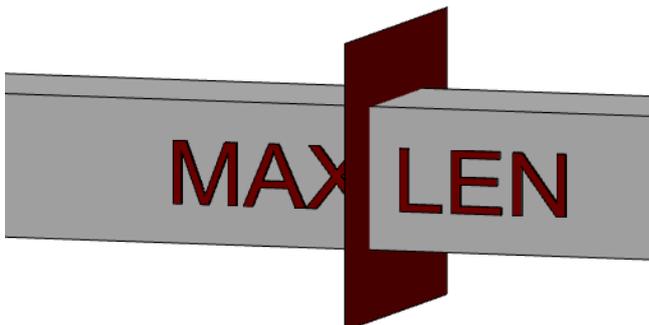

- Combine elements, please see video https://youtu.be/TfuuZhaJztI

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*.
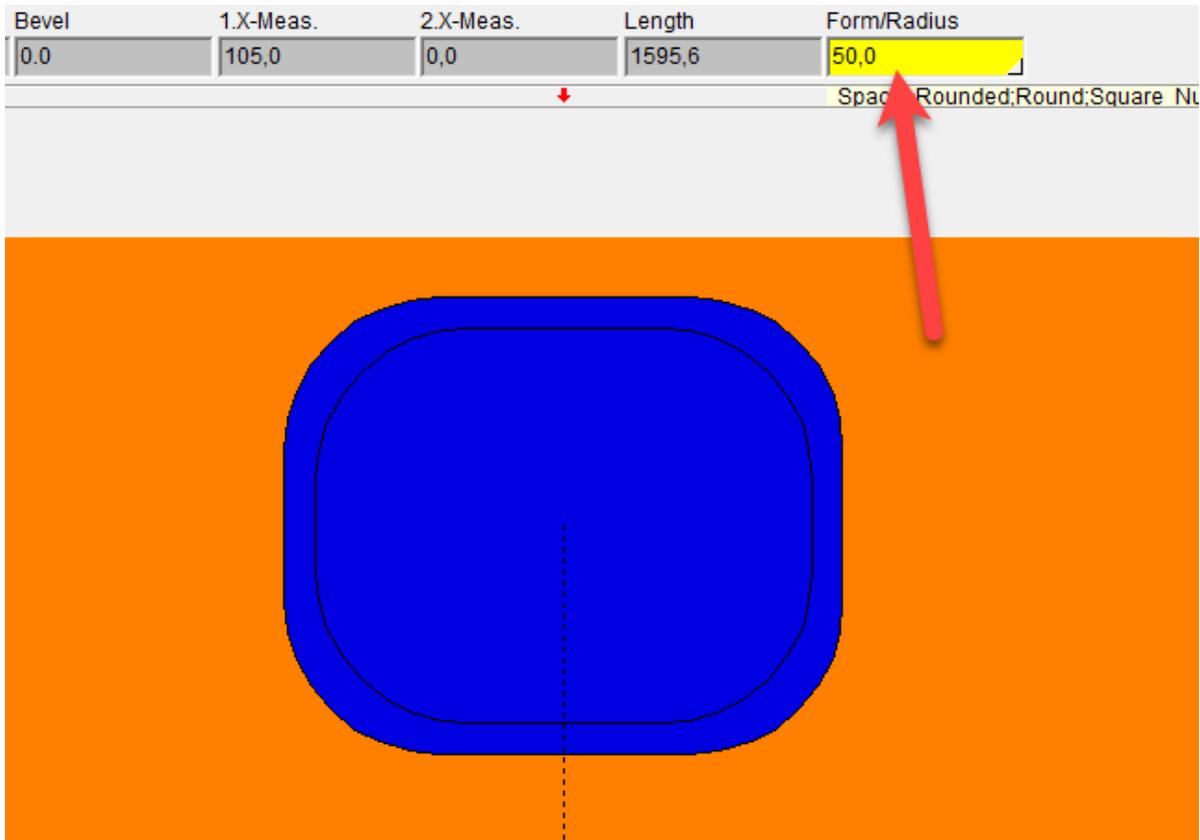
- Lengthwise cut tool has now third mode, please see help (Alt+Shift+F1):
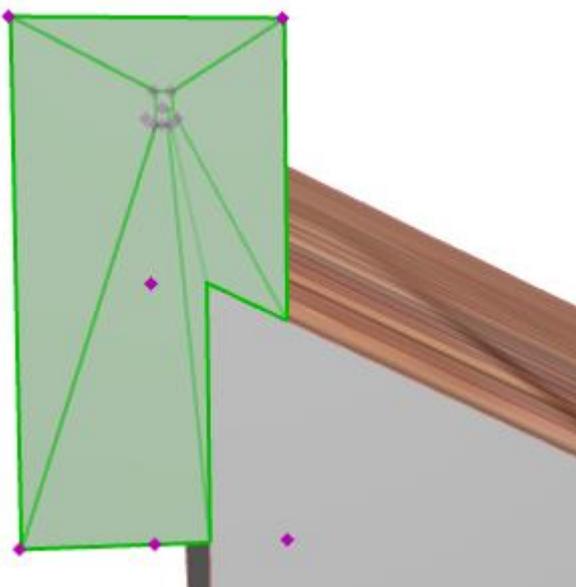
- Added possibility for insulation to all framing layers including floor types.

- 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:

    o Removed unused settings dialog

    o 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:
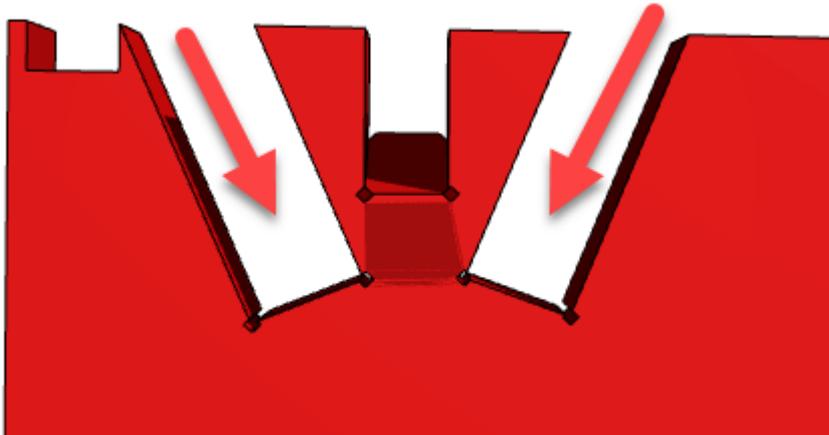

- Truss tool now works with multi plane roofs also. Some other bug fixes for trusses.

- New settings in double top and bottom:
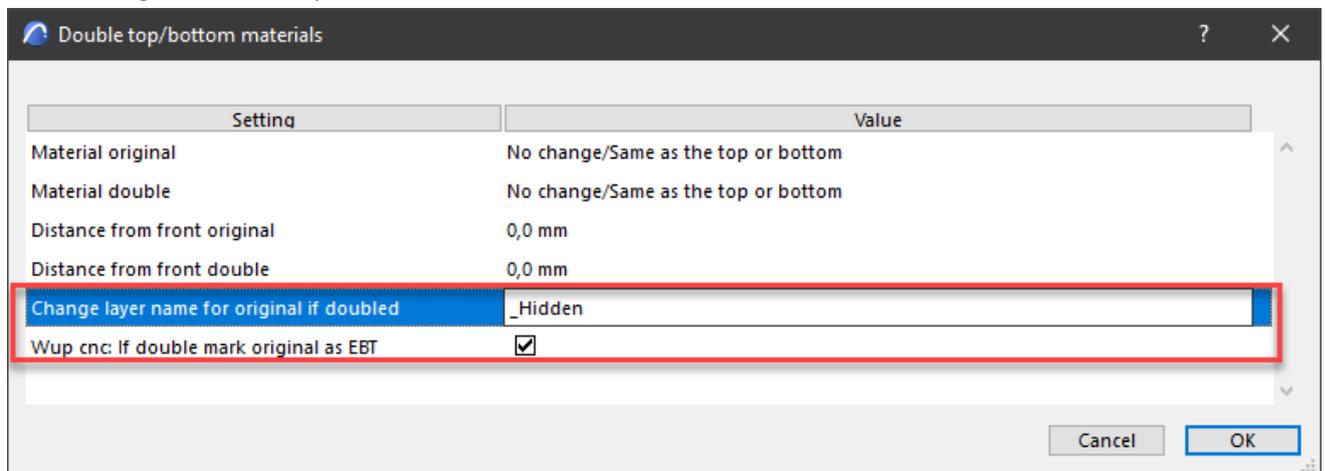
19th August 2020

- 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.
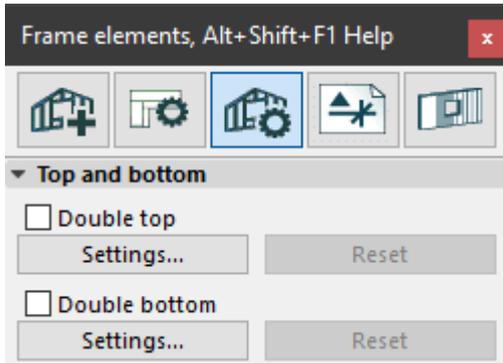

- Model View option ArchiFrame/Special view that forces showing IDs in 3D. Useful for BIMx export

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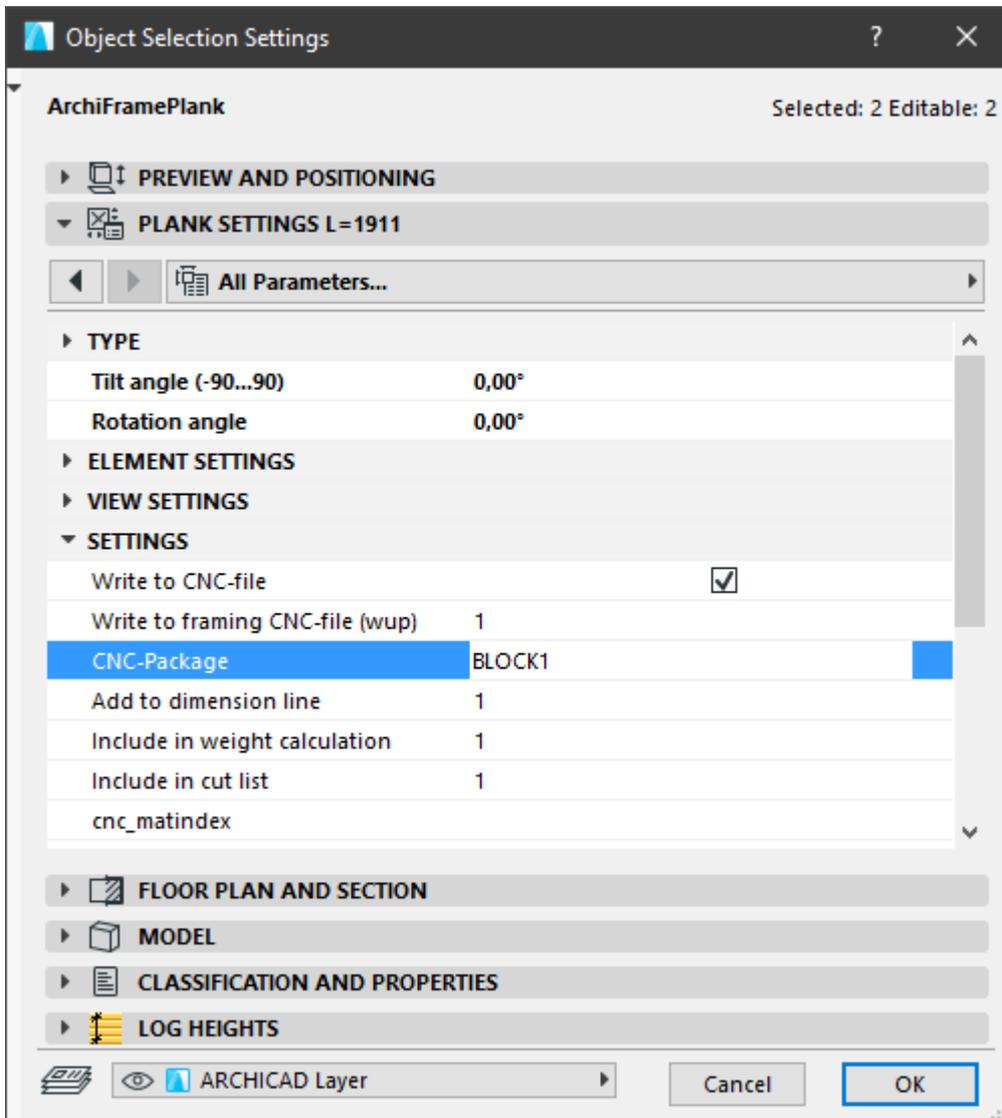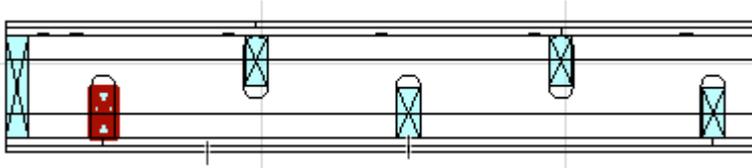

- Bvn-cnc-writing: Added package parameter to ArchiFramePlank that can be used when writing CNC-file.

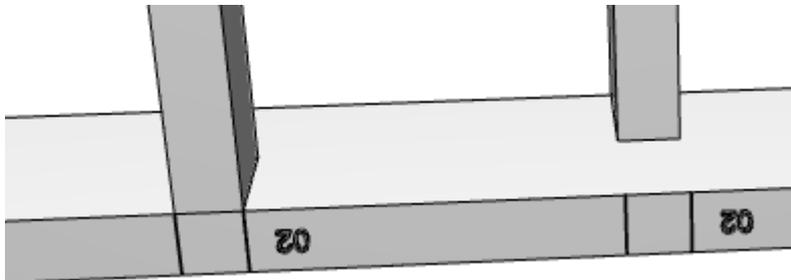- IDs with boxes cleaned up better in elevations:

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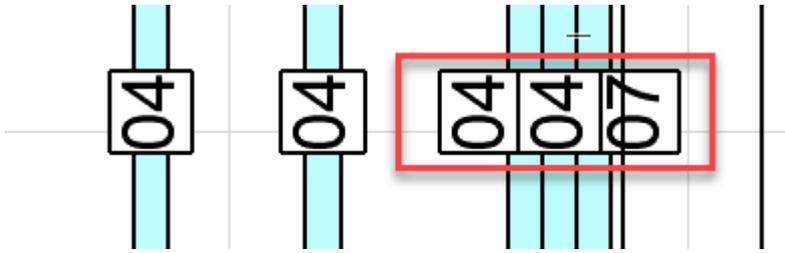
- Zero-depth section pens now as in set in object's settings – previously used the cut line pen or sometimes floor plan pen:
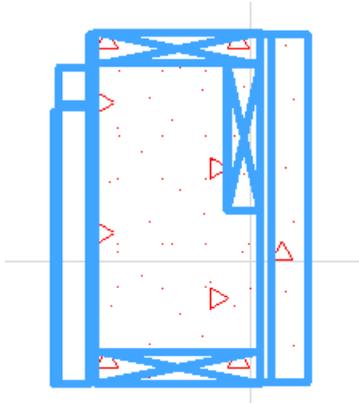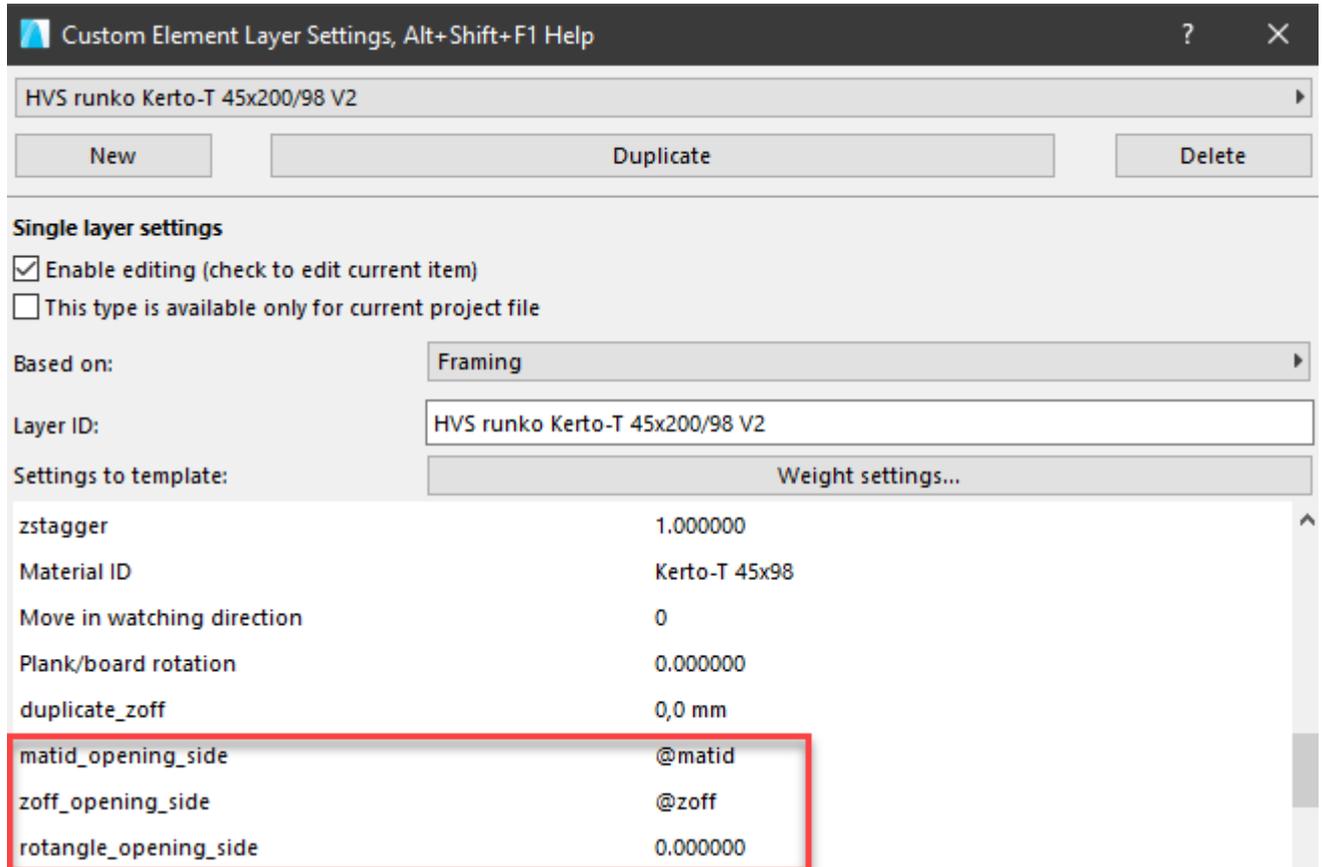

- Zstagger works now also if locked pieces in the element:

- Marking lines for staggered walls work now better:

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

Custom Element Layer Settings, Alt+Shift+F1 Help	?	×

HVS runko Kerto-T 45x200/98 V2 ►

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:	HVS runko Kerto-T 45x200/98 V2	
Settings to template:	Weight settings...	

zstagger	1.000000
Material ID	Kerto-T 45x98
Move in watching direction	0
Plank/board rotation	0.000000
duplicate_zoff	0,0 mm
matid_opening_side	@matid
zoff_opening_side	@zoff
rotangle_opening_side	0.000000

- 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
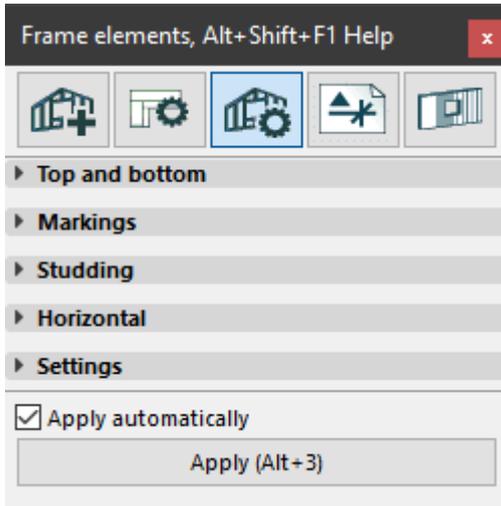
10th June 2020

- Markings: If mark opening pieces was selected with stud IDs to top/bottom plates the ID may have been incorrect.

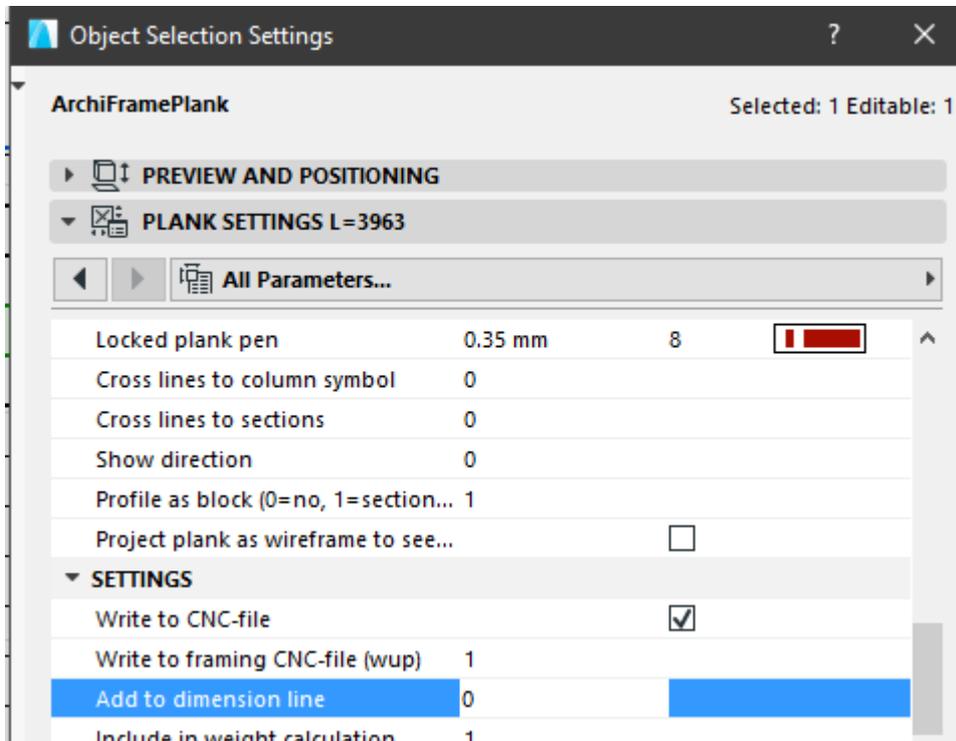- Element options quick fix for own element types.

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):

**Frame elements, Alt+Shift+F1 Help** [x]

▶ Top and bottom
▶ Markings
▶ Studding
▶ Horizontal
▶ Settings

☑ Apply automatically

Apply (Alt+3)

22nd May 2020

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

Object Selection Settings   ?   ✕

ArchiFramePlank   Selected: 1 Editable: 1

▶ 🖵↕ **PREVIEW AND POSITIONING**

▼ 🖾 **PLANK SETTINGS L=3963**

◀ ▶ 🗔 **All Parameters...** ▶

Locked plank pen	0.35 mm	8	▮▬▬	˄
Cross lines to column symbol	0			
Cross lines to sections	0			
Show direction	0			
Profile as block (0=no, 1=section...	1			
Project plank as wireframe to see...		☐		
▼ SETTINGS				
Write to CNC-file		☑		
Write to framing CNC-file (wup)	1			
Add to dimension line	0			
Include in weight calculation	1			

- 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:

STUD LEFT

732   1 018   1 332
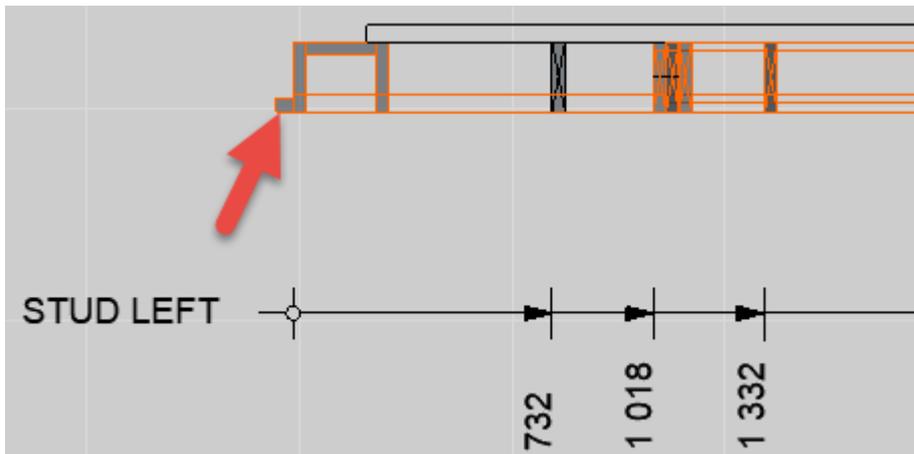
- Fixed bug that caused cut piece to be included into dimension line without the cut (point too low in this case):
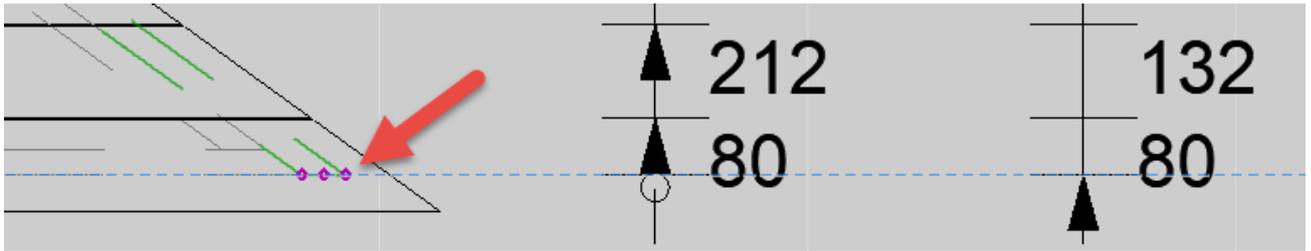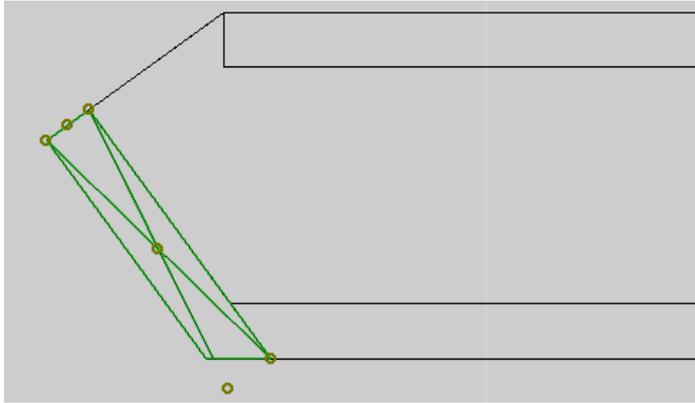
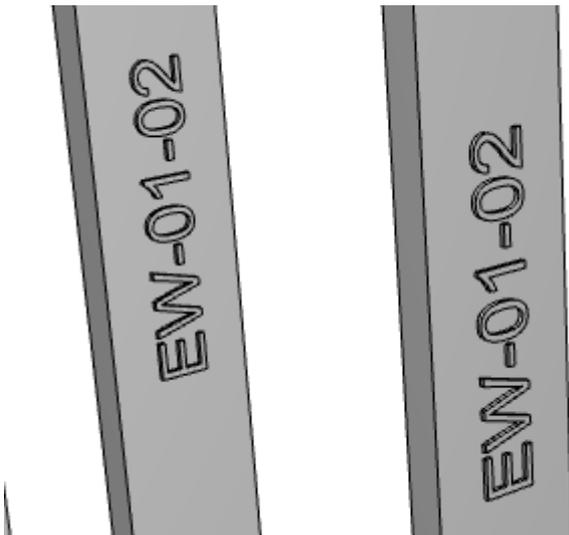- Board dimension setting is preserved over element *Update*:
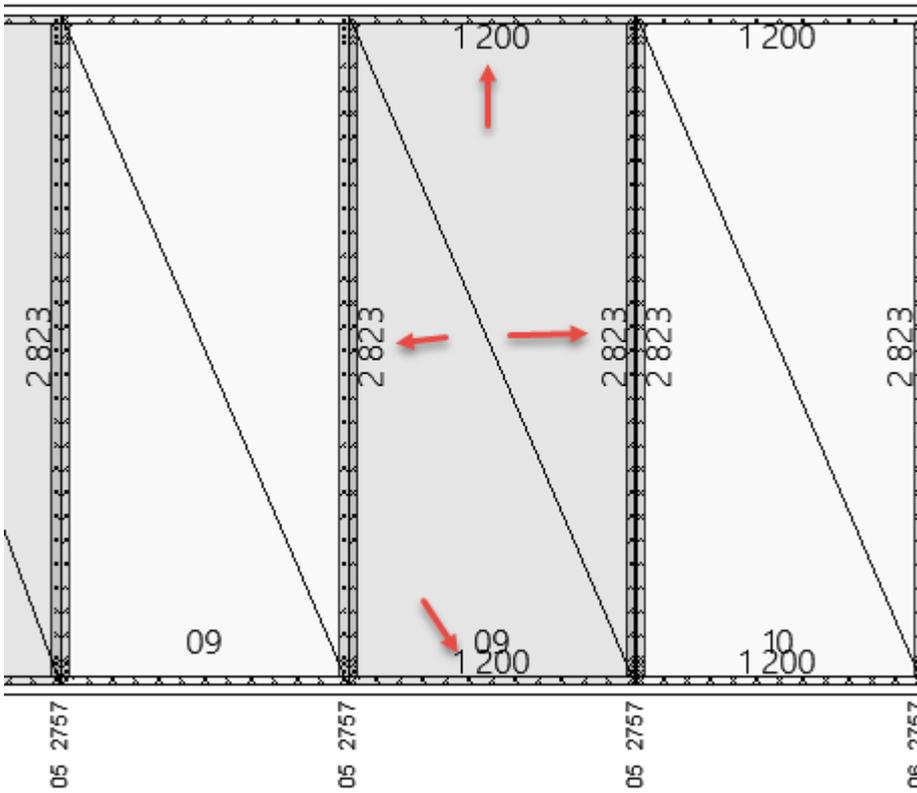
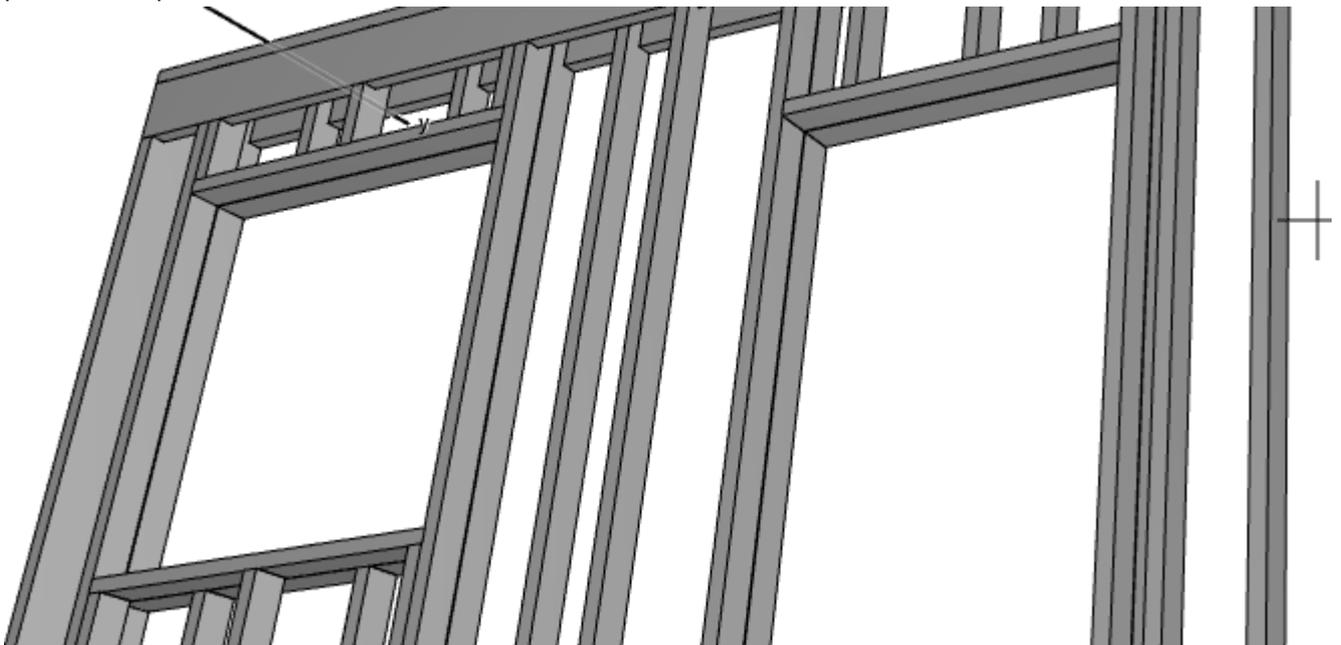- Cross symbols now cut by any machining in the plank, old:
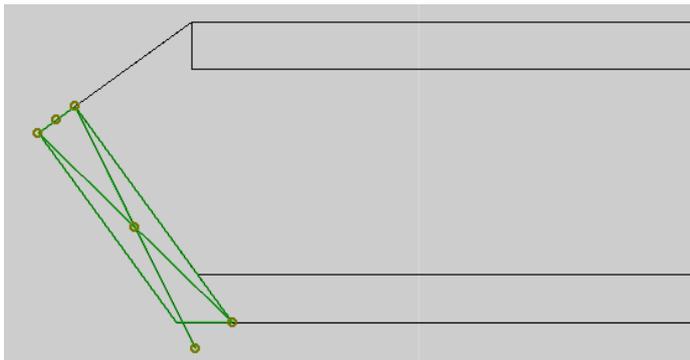
New:

- 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).
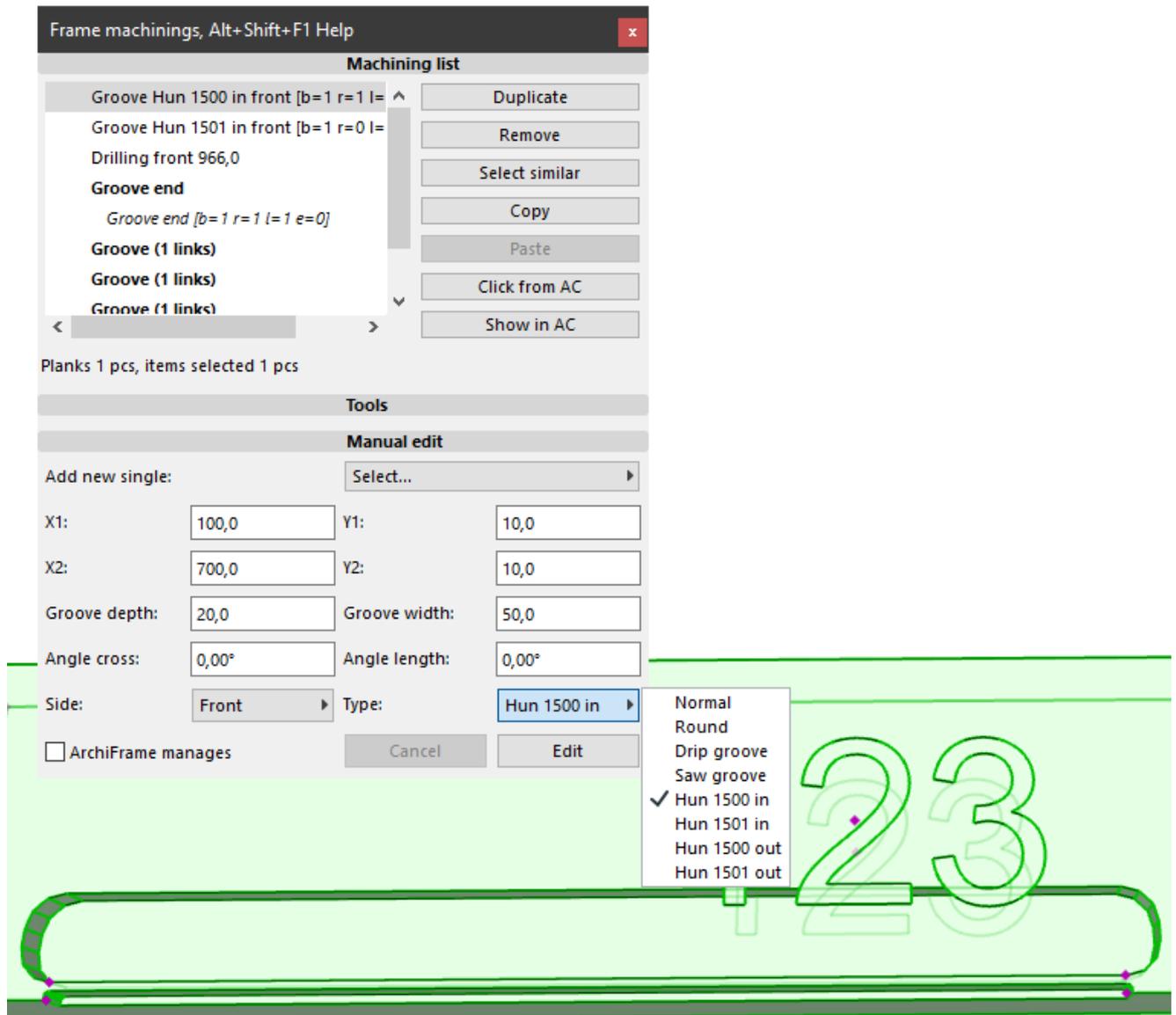
- Added options for noggins:
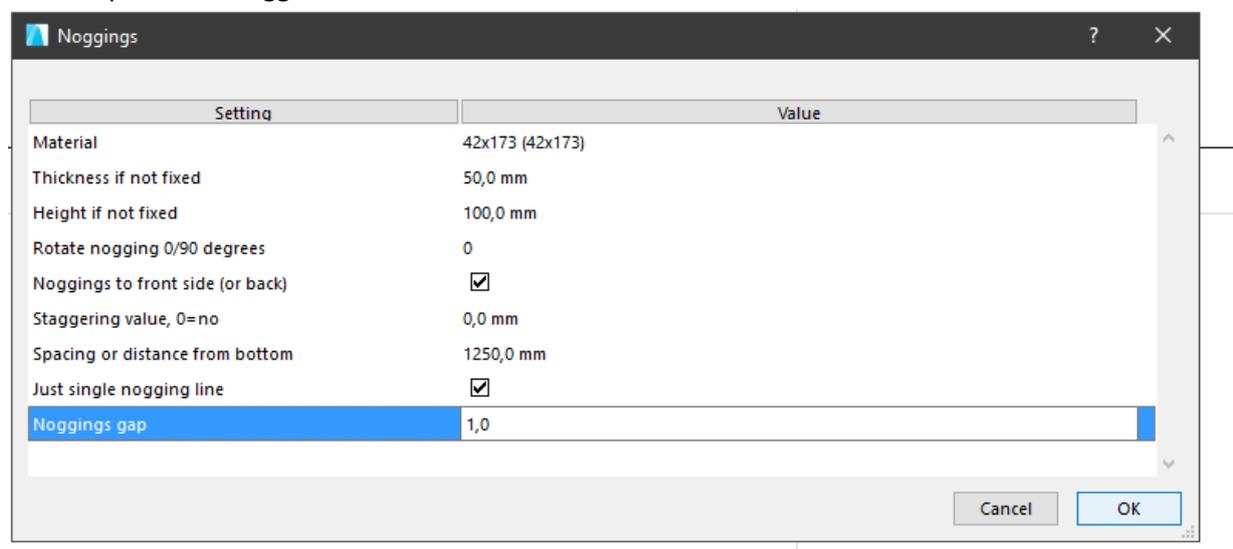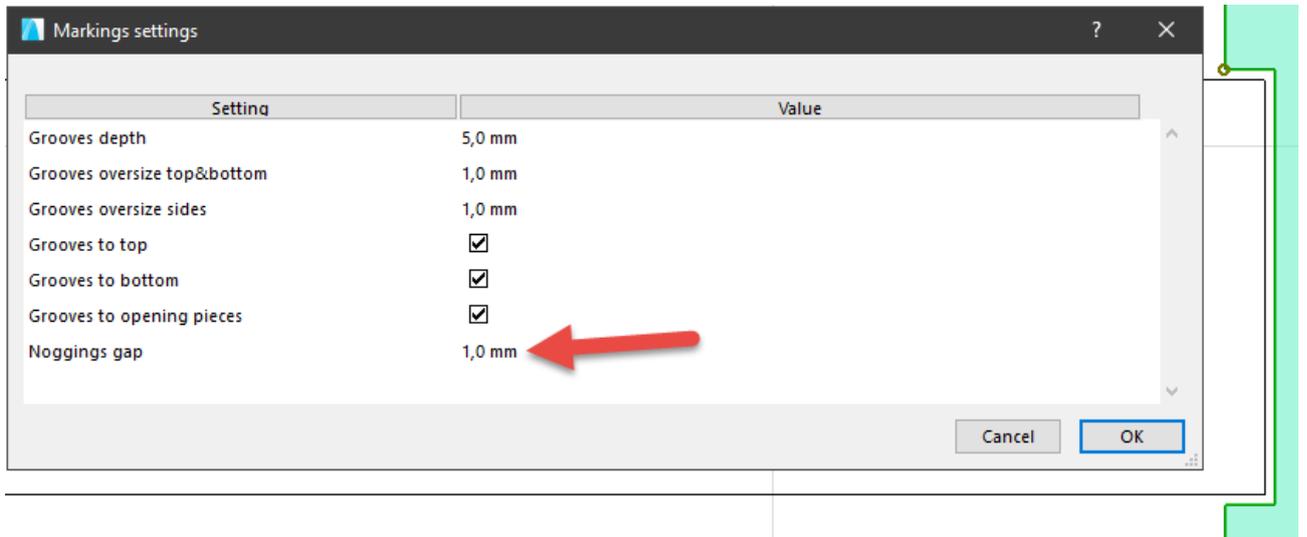
- This kind of parts prevented marking lines to appear to the top plate - fixed:
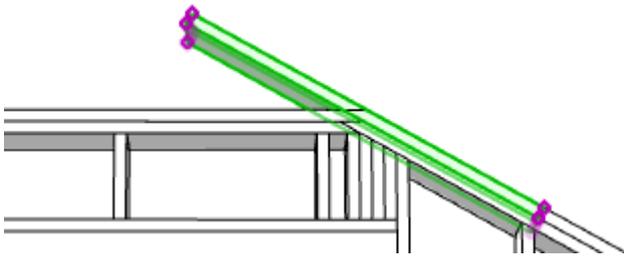
- When detaching a plank from an element from projection, it may have appeared back as core-layer piece to trace reference projections.

- 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.
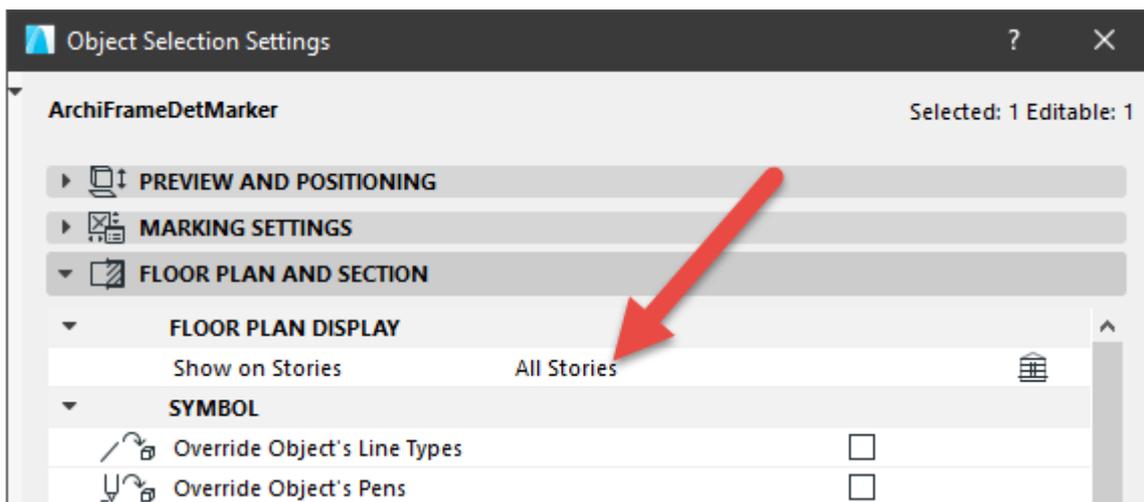
- Lua-script created weather boards will now get better owner element's ID.

- ArchiFrameBoardPanel, added ID generation text parameter to allow for example showing just element ID:
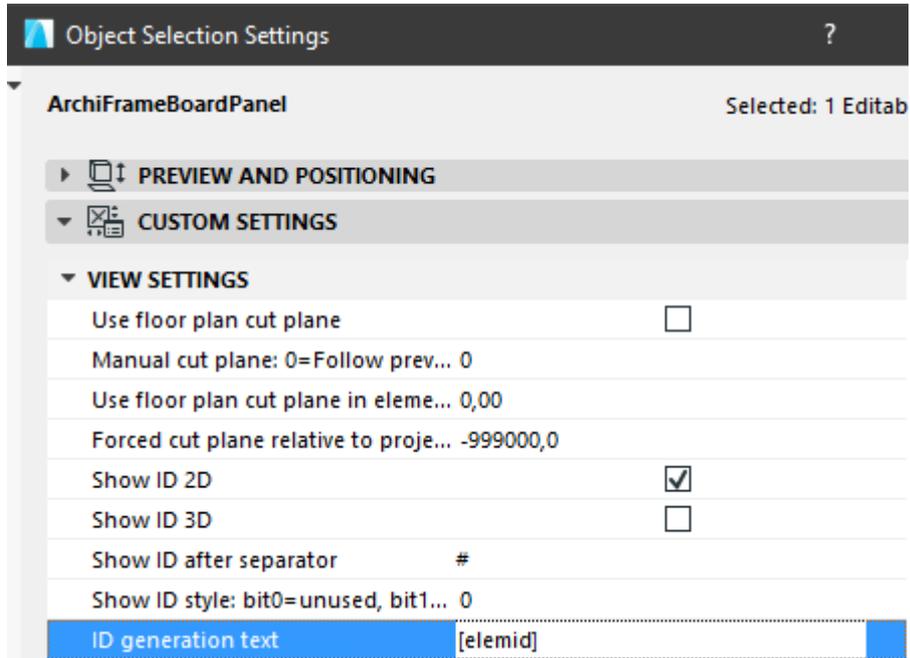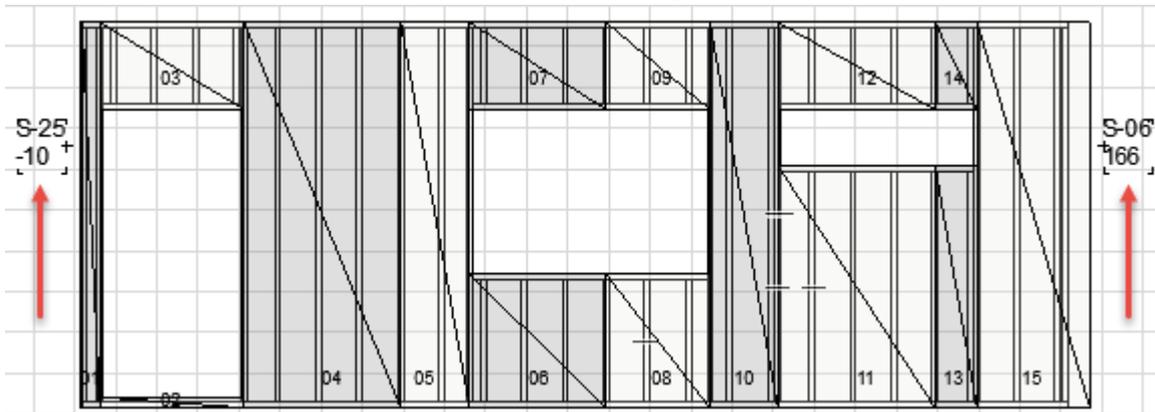

- Weatherboard-tool did not get reveal depth correctly from some window libraries

- Update elem openings did not trim to 2nd top or bottom plate:
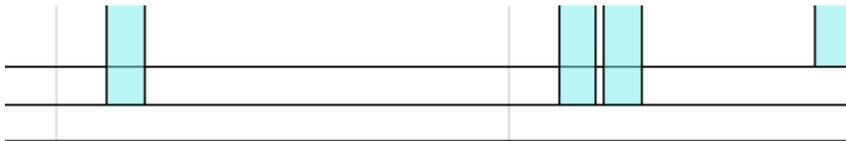
14th April 2020

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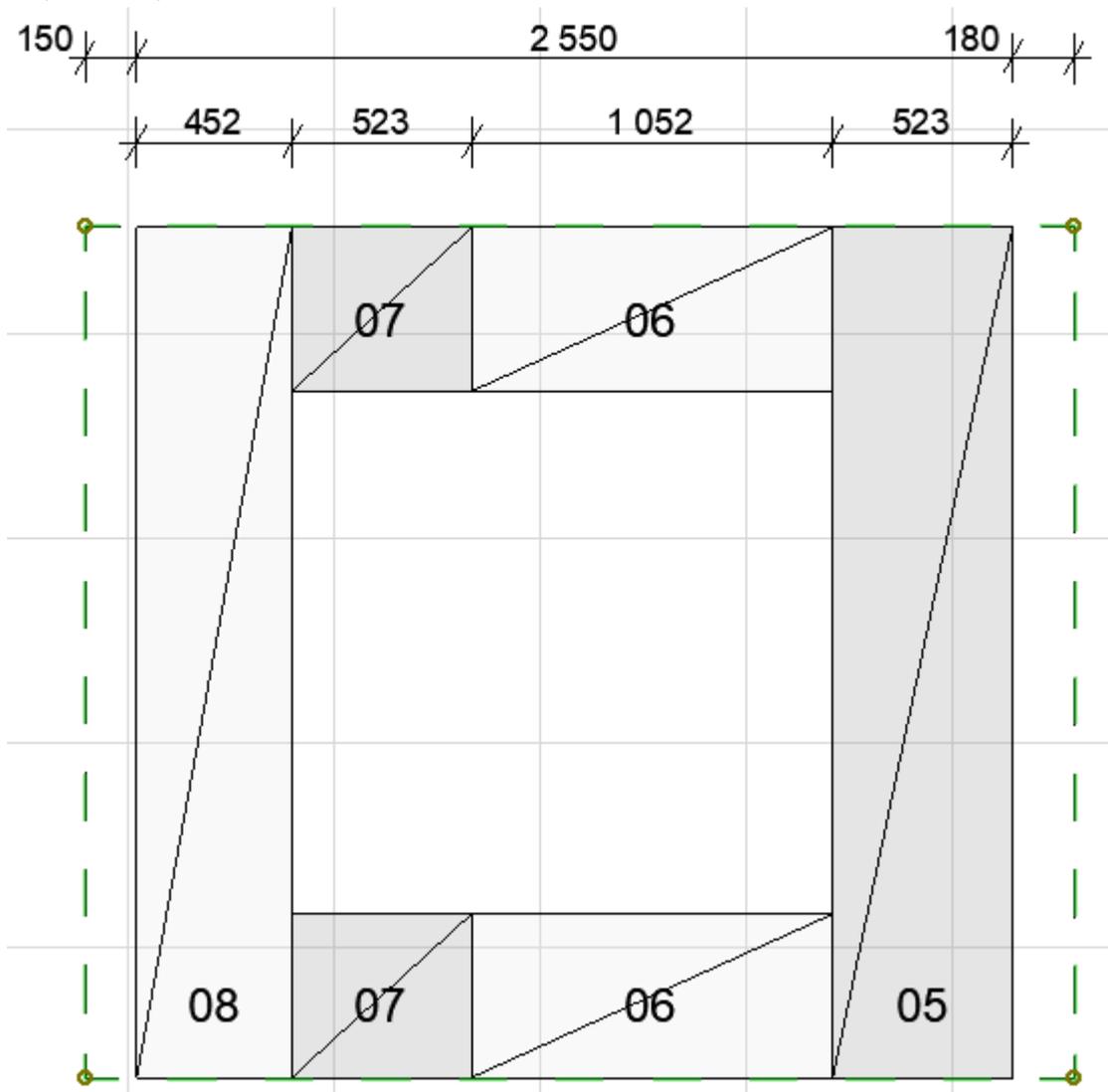
- More localized terms for plank roles in: cut lists, bvn cnc-production

2nd April 2020

- CNC: Wup-writing additions:
  - New option to force ELA-header line:
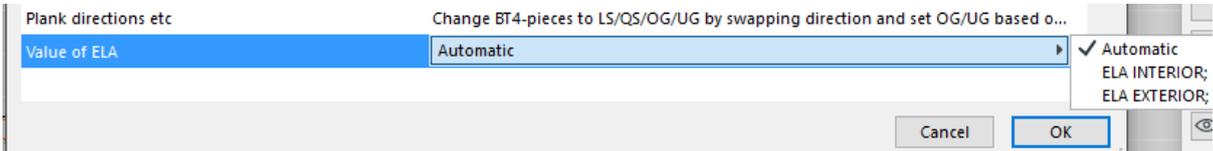
  - ELA-setting can be set from own element's settings ela=1/2/3 1=automatic/2=INTERIOR/3=EXTERIOR (Setting *Value of ELA* from wup settings dialog):
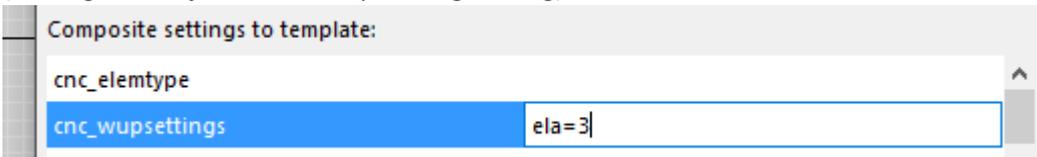
  - No more warning " WARNING: Element XX direction is different from from the setting used now, current element is YY" if the setting comes from composite element's cnc_wupsettings (avoid confusion and ignoring warnings).

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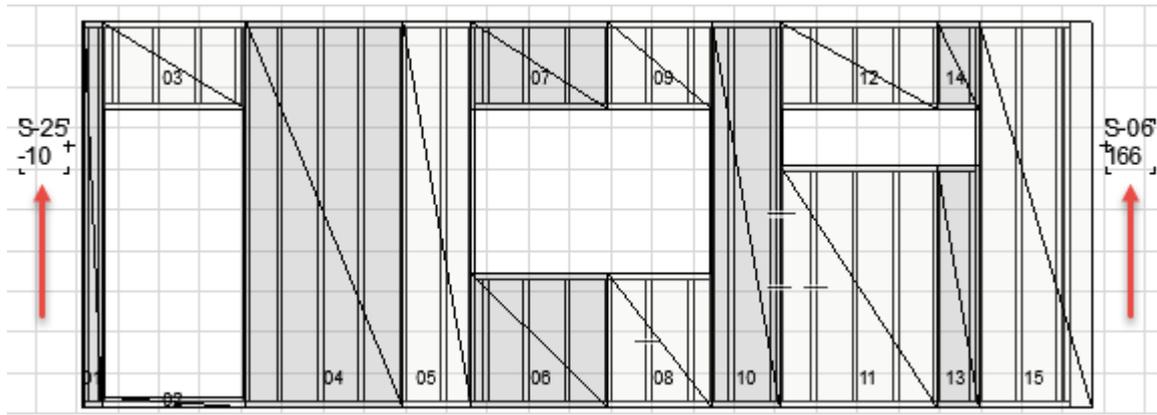

24th March 2020

- 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.

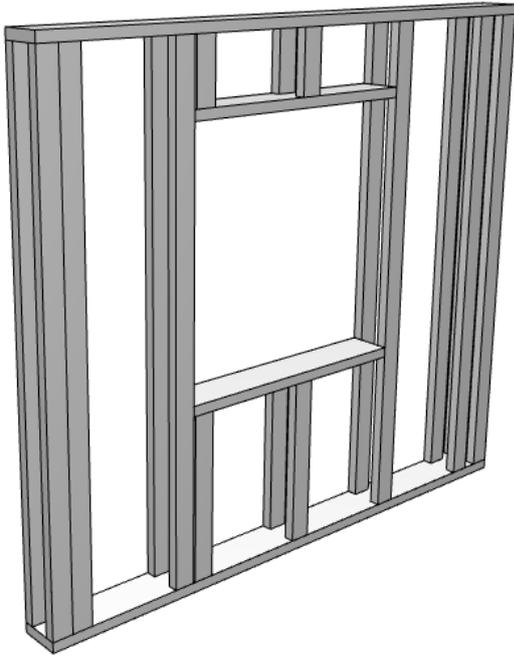- Opening dims may have added unnecessary dimension lines.
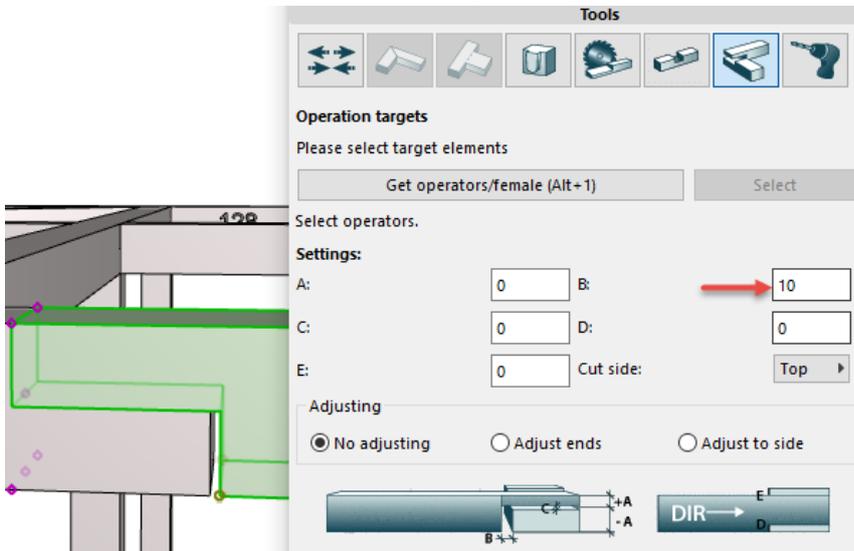
1st March 2020

- New option:
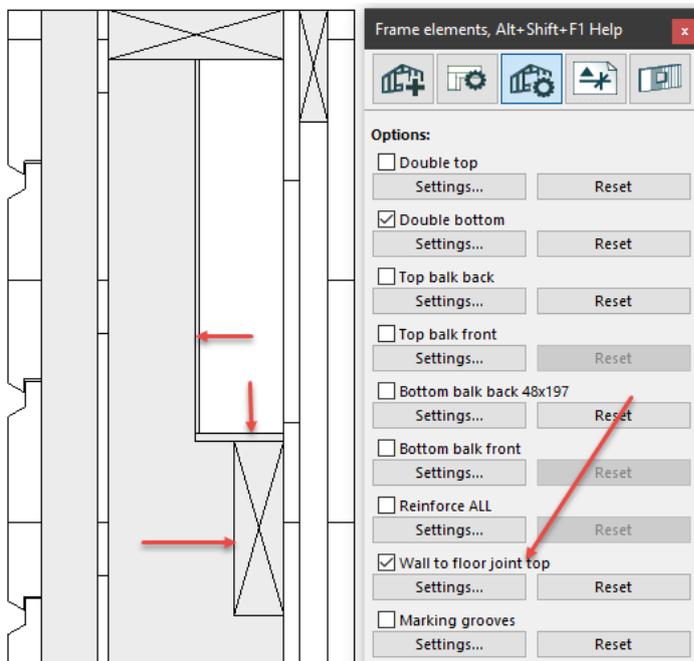
- New settings in Markings-options, please see help from settings (Alt+Shift+F1). Also changed the markings to be visible in 2D only if in top or bottom surface (to see in elevations).
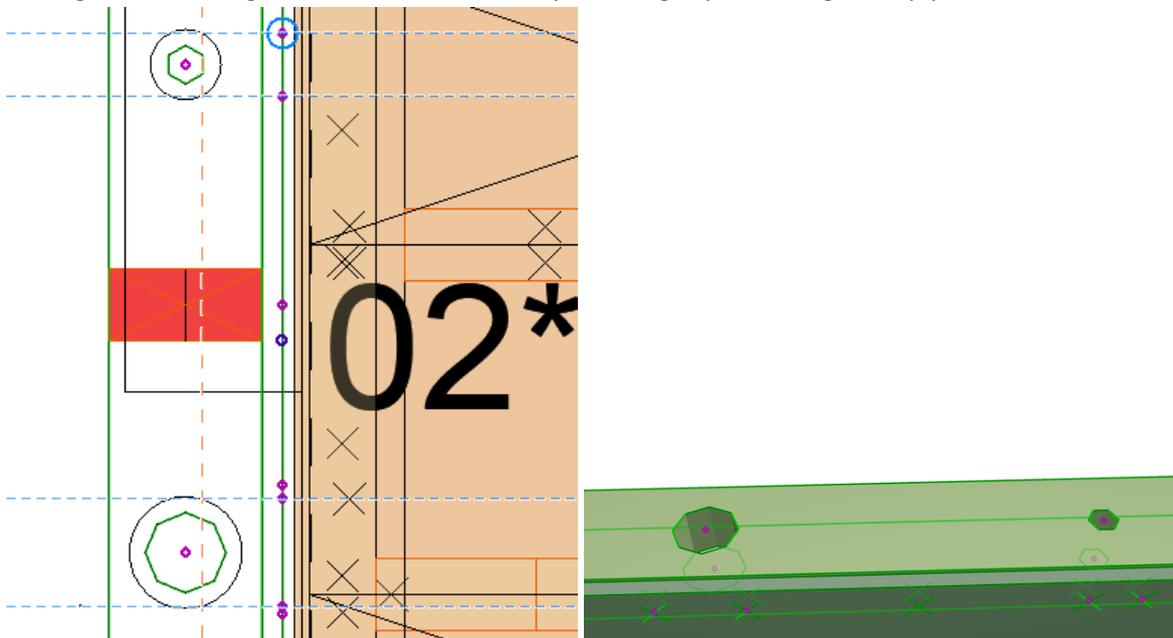
- New setting *duplicate_zoff* to framing layers to produce duplicate studs (Alt+Shift+F1):

- 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.
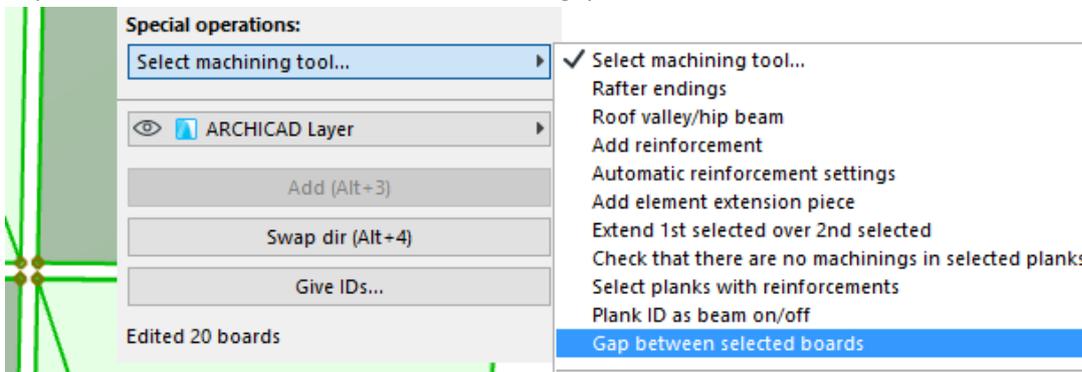
7th Feb 2020

- 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:
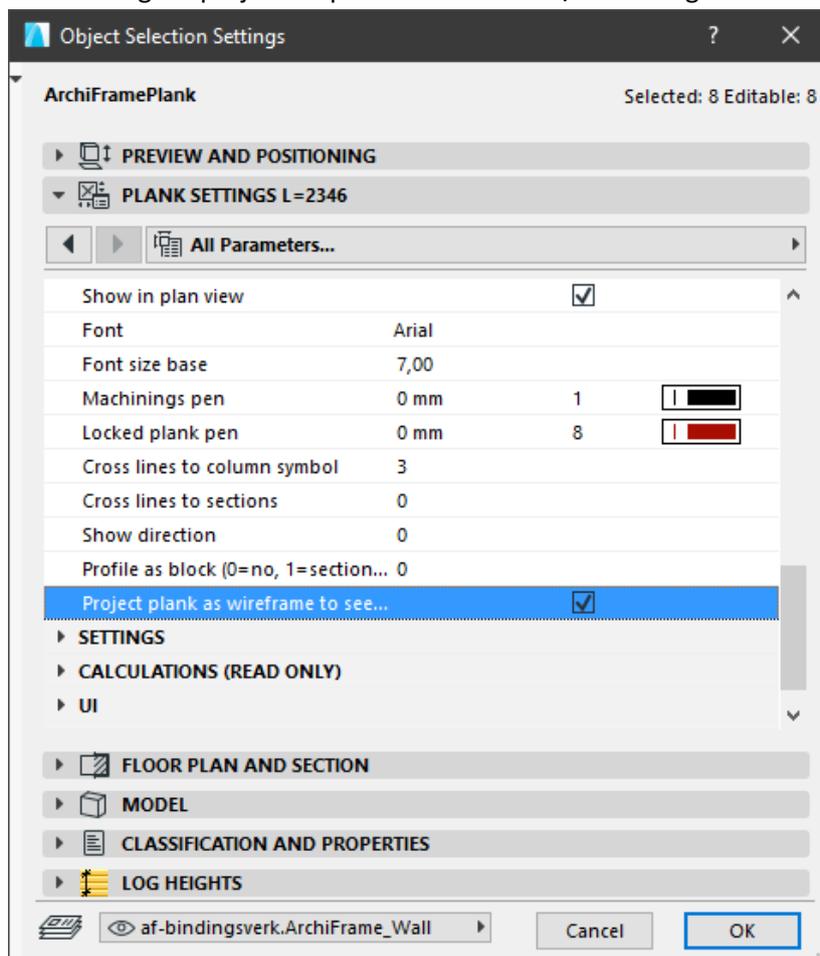
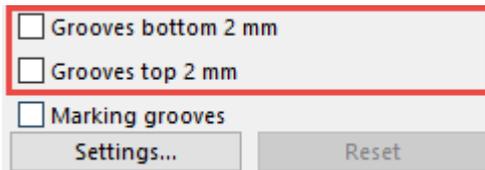- New Model View Option to speed up 2D regeneration typically by 25%:
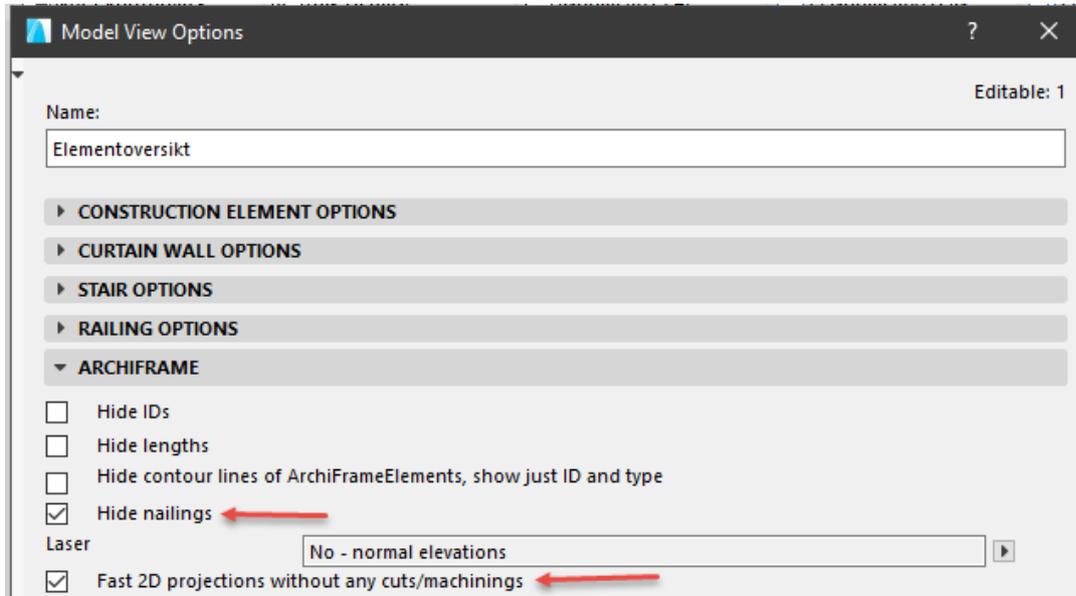
- In plank tools there is new automation to add gap between boards:

- 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):
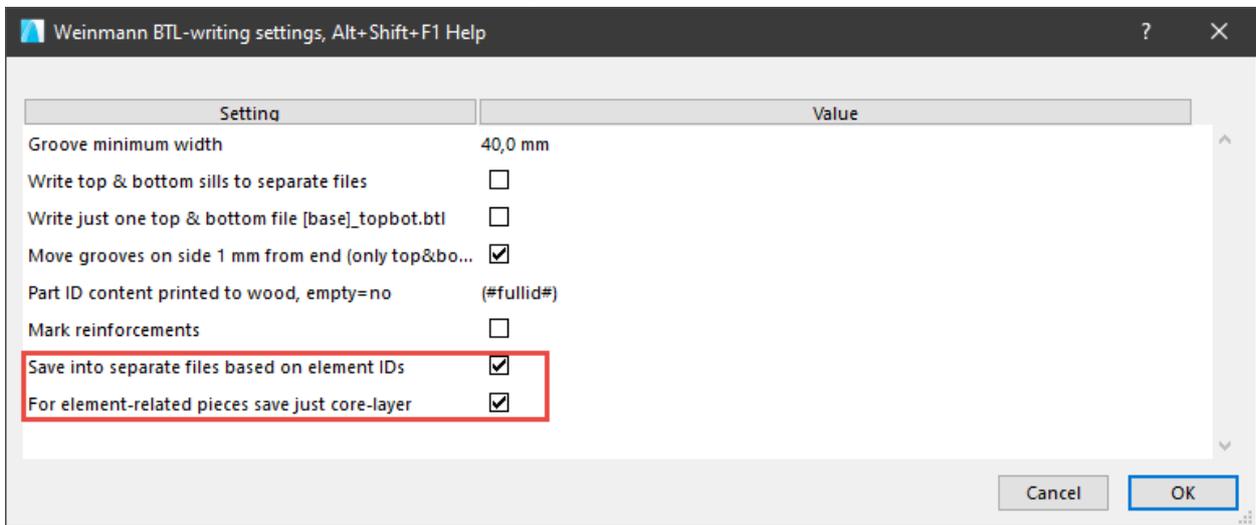
- DT tenon and mortise were visualized with double angle – in Hundegger the angles were half from what there was in ArchiFrame. Now ArchiFrame's angle is halved and it is like Hundegger output (just visualization change):
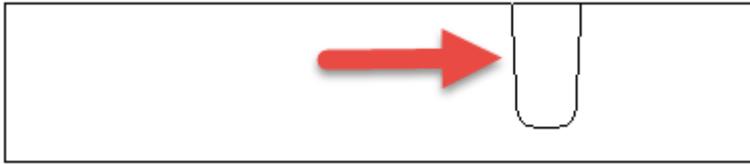
- 22nd Jan beta had a bug that may have caused projection and 3D piece not to be synchronized. To fix, select 3D piece's object settings and close with OK.

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:

Setting	Value
Groove minimum width	40,0 mm
Write top & bottom sills to separate files	☐
Write just one top & bottom file [base]_topbot.btl	☐
Move grooves on side 1 mm from end (only top&bo...	☑
Part ID content printed to wood, empty=no	(#fullid#)
Mark reinforcements	☐
Save into separate files based on element IDs	☑
For element-related pieces save just core-layer	☑

- 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:

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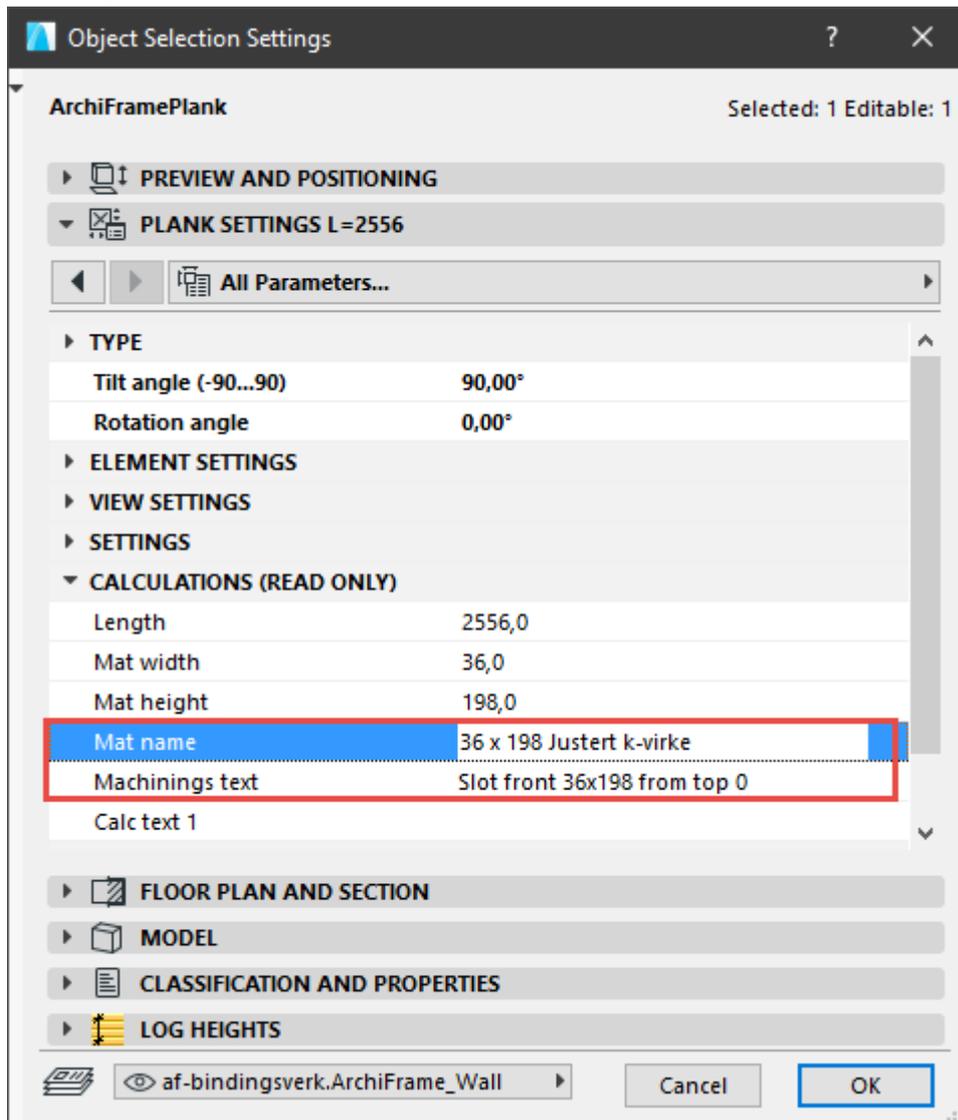

- Cladding cut list: Script based cut list could not have exploded panels and normal boards at the same time – now normal boards are collected even if cladding pieces have been exploded. In that case all ArchiFrameBoardPanel-objects are skipped in cut list generation. If anything is exploded in the layer, 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:
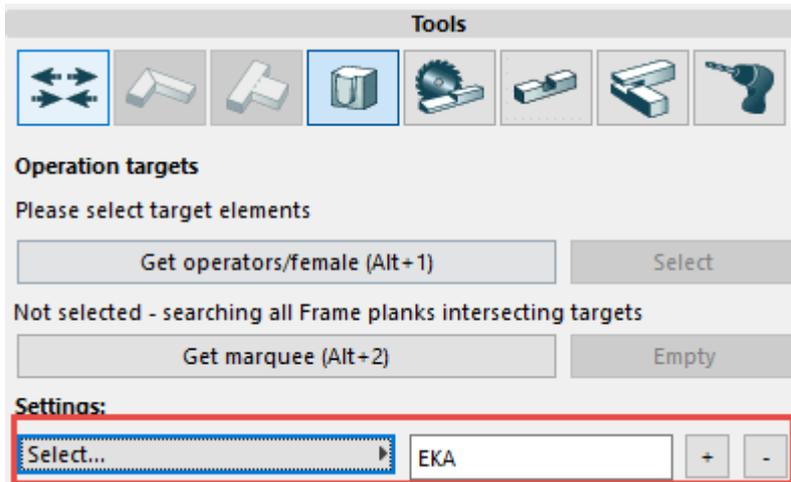
- Marking lines element option: Earlier all markings were made invisible in 2D including projections. Now markings will be visible if placed to bottom surface:
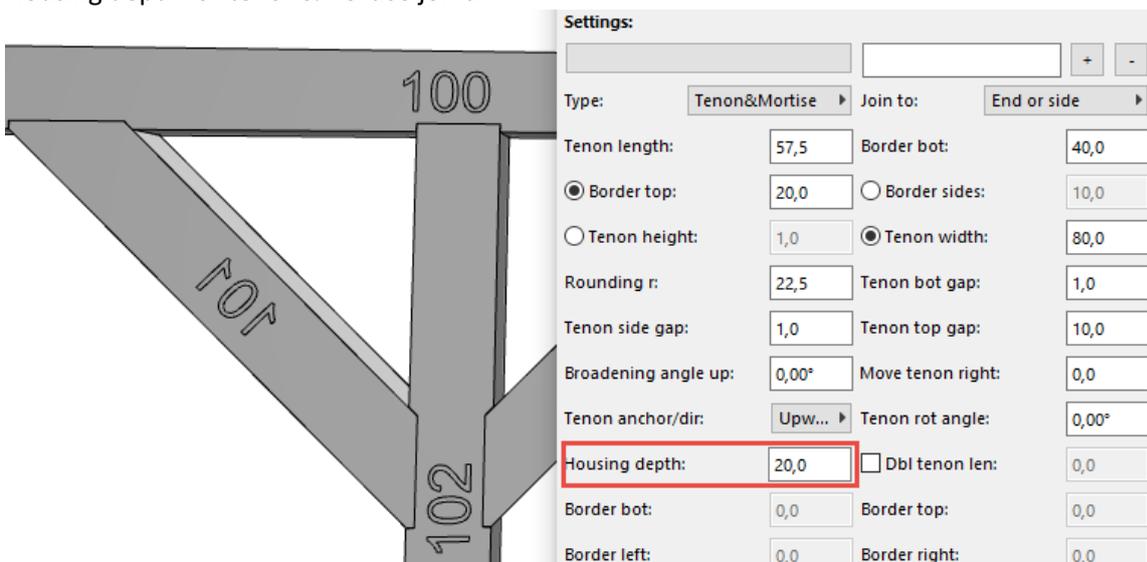

- More options for weatherboards

- 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:

    Mark reinforcements ☑

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

  Create saw cuts (Alt+8)

  Move saw: 10,0
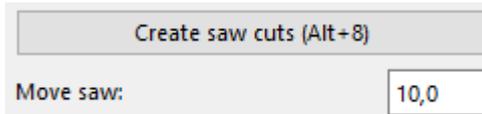
- When *Updating* an element without projections the result may have been incorrect. Now works ok.

- 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
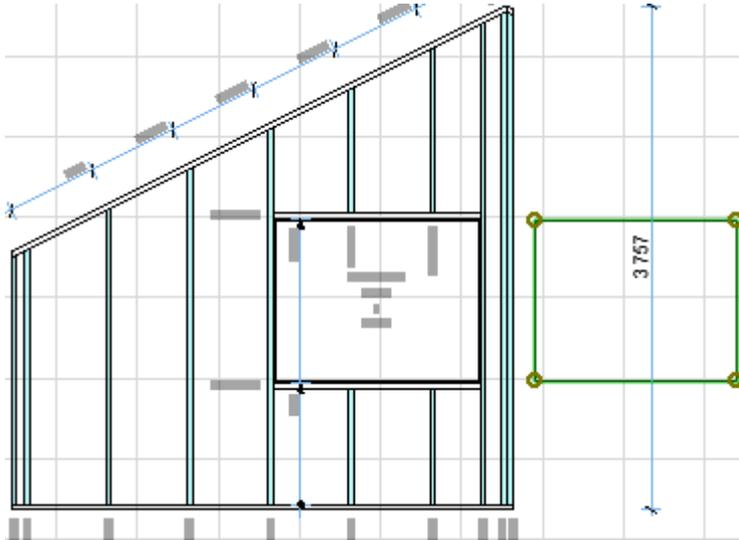
25th September 2019

- 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:
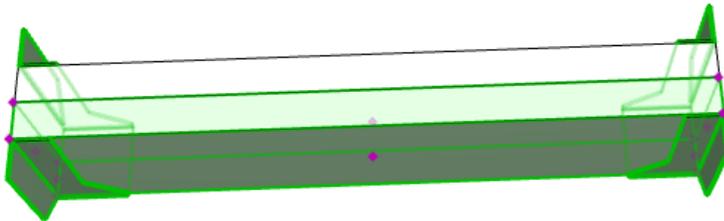
  Warn if groove narrower, finger cutter is 40 mm | 40

- 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:

  Layers:

⇕ Fermacell - 12,5 mm ▶	boarding_int4	Add before...
⇕ ControParete - 50 mm	boarding_int3	Add after...
⇕ Tenuta aria 3 mm	boarding_int2	
⇕ Telaio KWH 60x160mm	core	Edit/New type...
⇕ Fermacell 15 mm	boarding_ext2	Delete
⇕ Cappotto in ESP dens. 20 Kg/m^3	boarding_ext3	
⇕ Intonaco Esterno 7 mm	finish_ext	
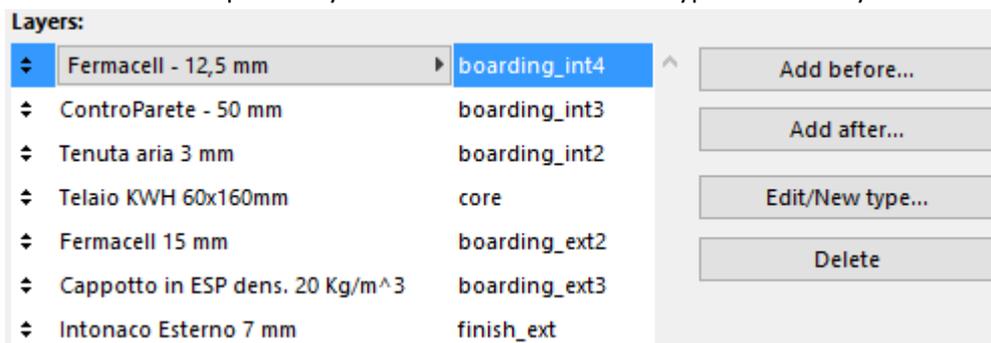
- When creating lines for opening frames, the openings outside current element will be skipped:

- 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:
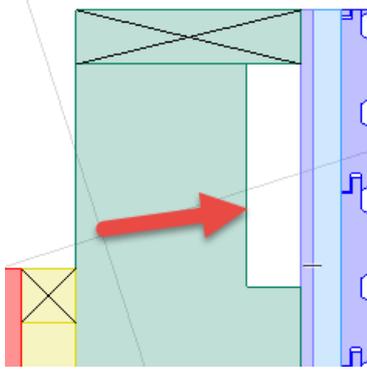
4th September 2019

- Updating existing layouts may have failed if AC Issue manager was used.

- Board projections fixes:

    o Board colours are now applied immediately (may have required two updates)

    o 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:
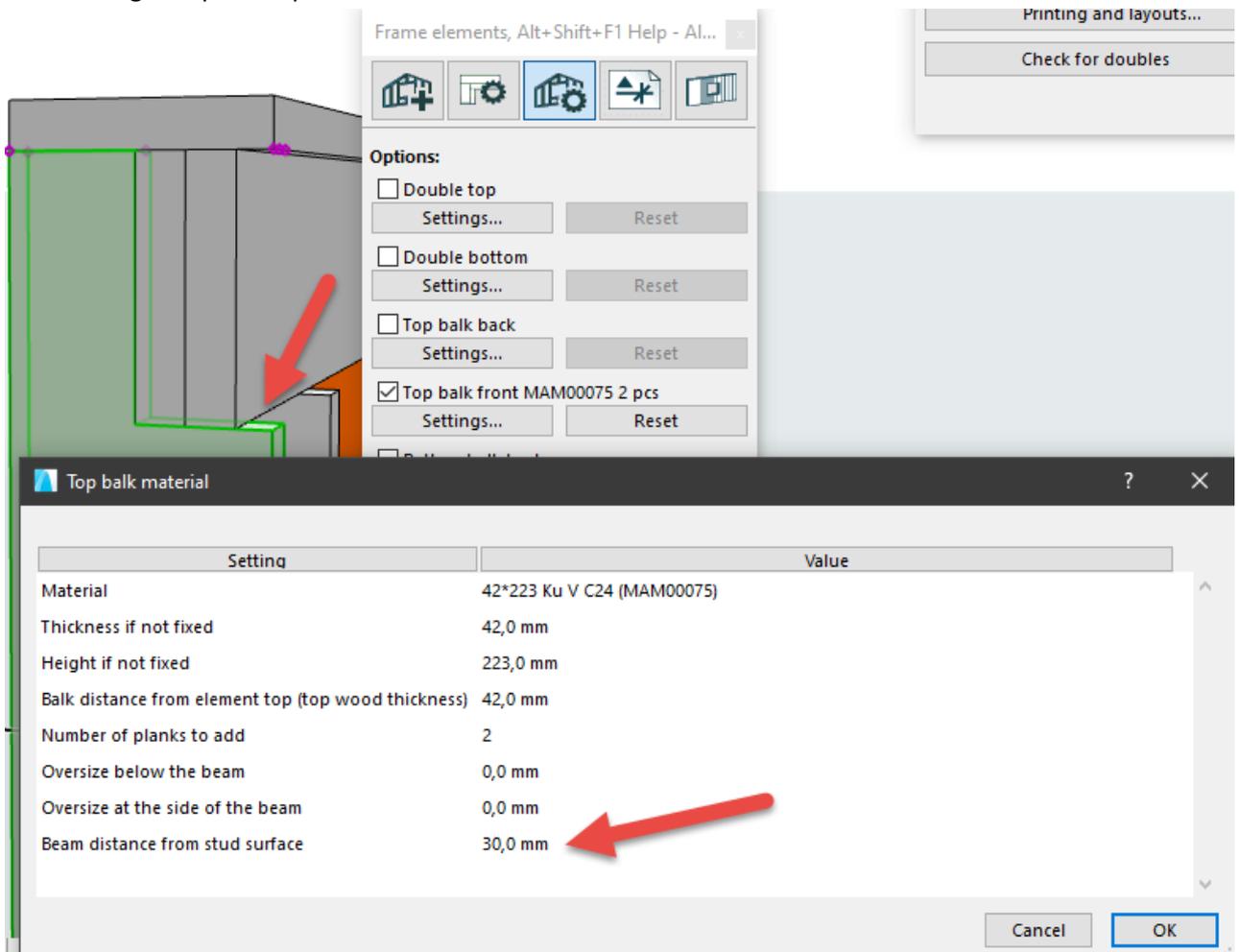
9th August 2019

- 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:
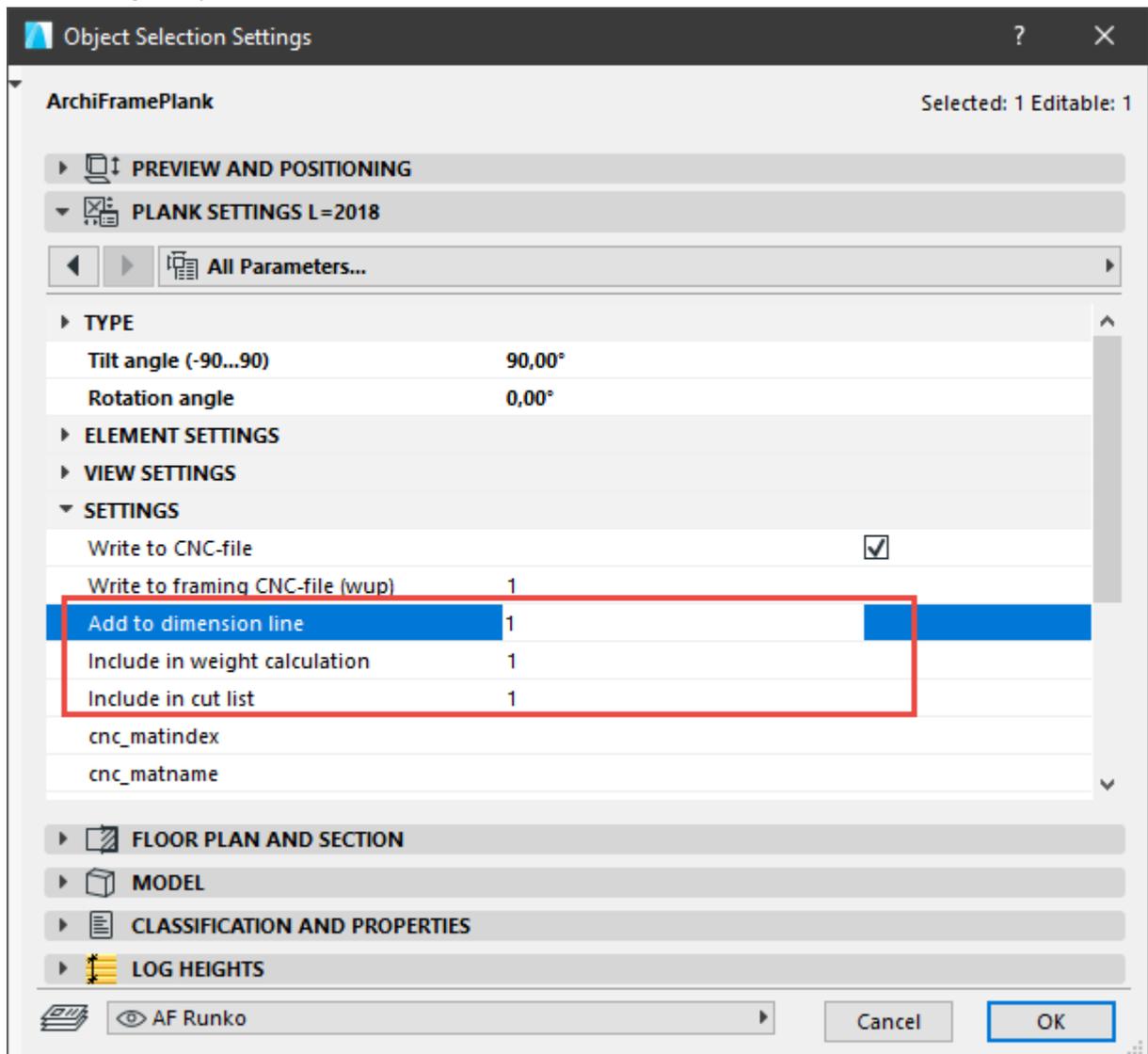
18th July 2019

- 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:

- Lintel grooves and all top balks (bottom balks and reinfocements 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:
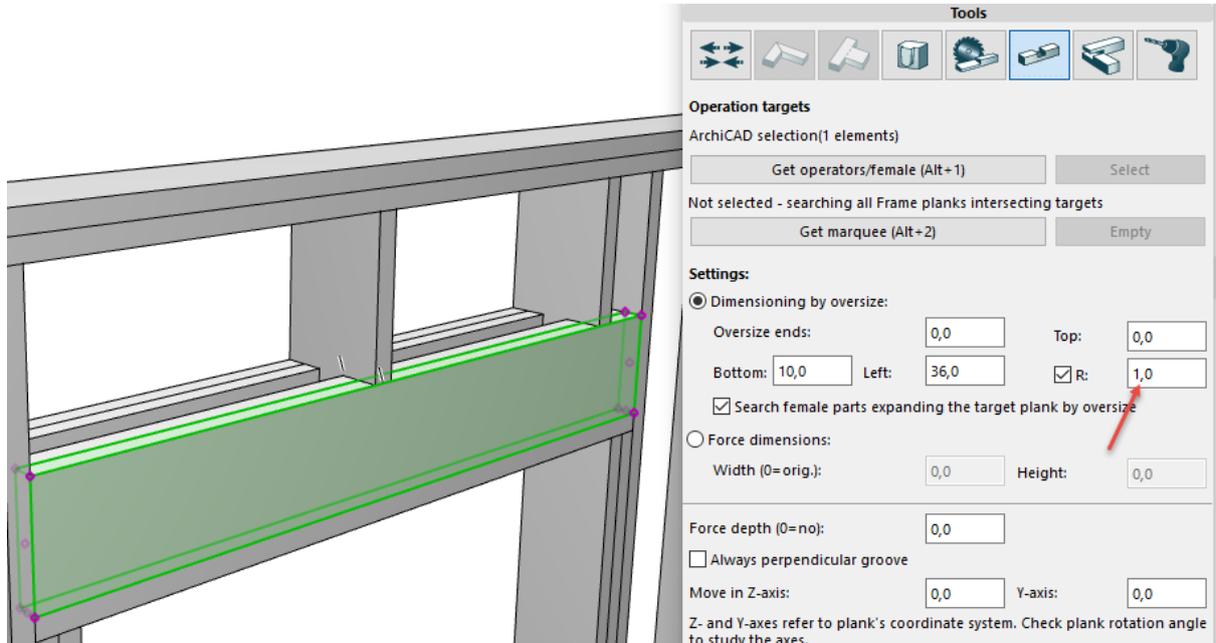
- Reserve for TeamWork reserves now also all independent planks and other elements in selection (used to work only for parts belonging to elements):
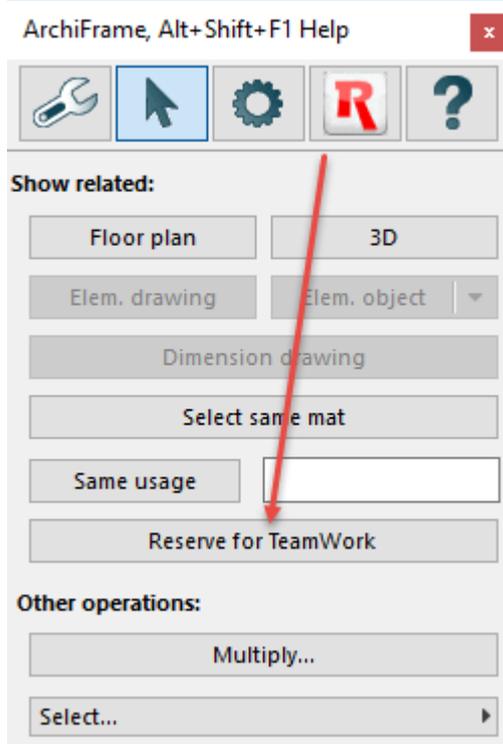
- Another zstagger-fix

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 taught 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:
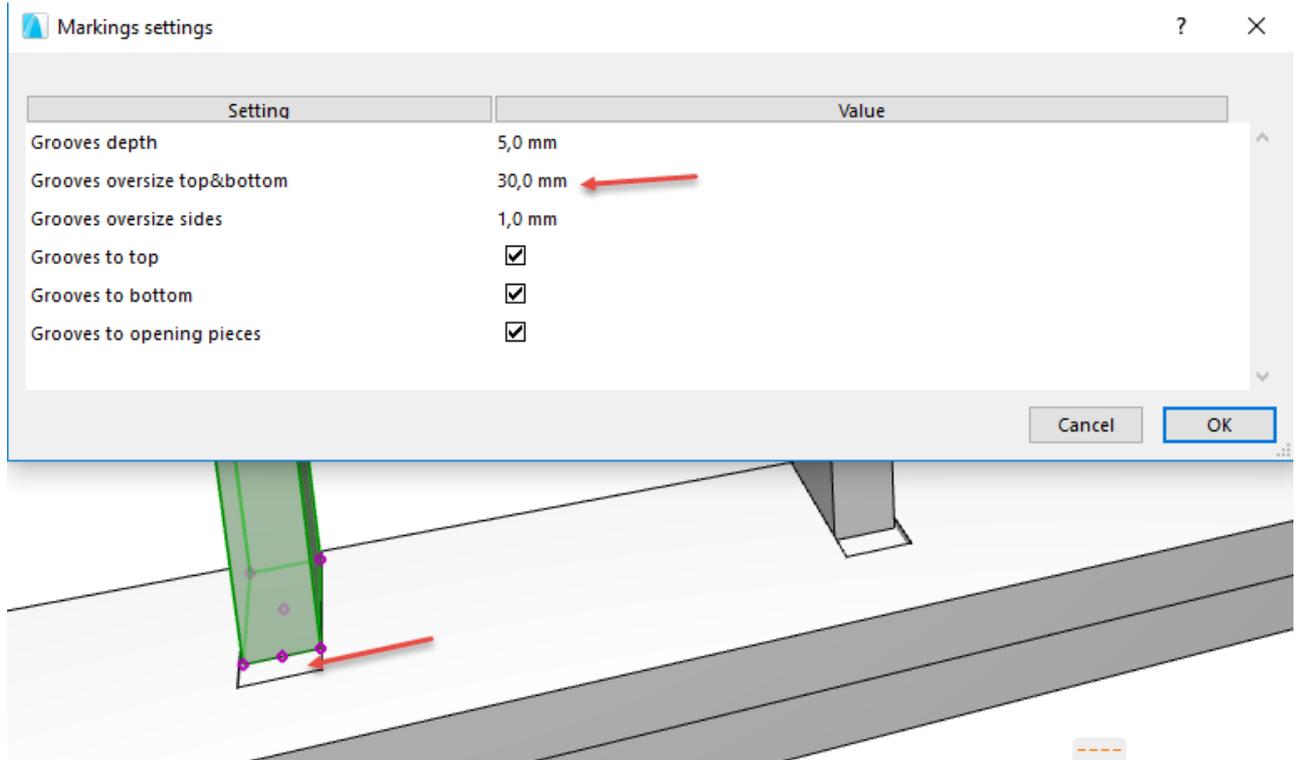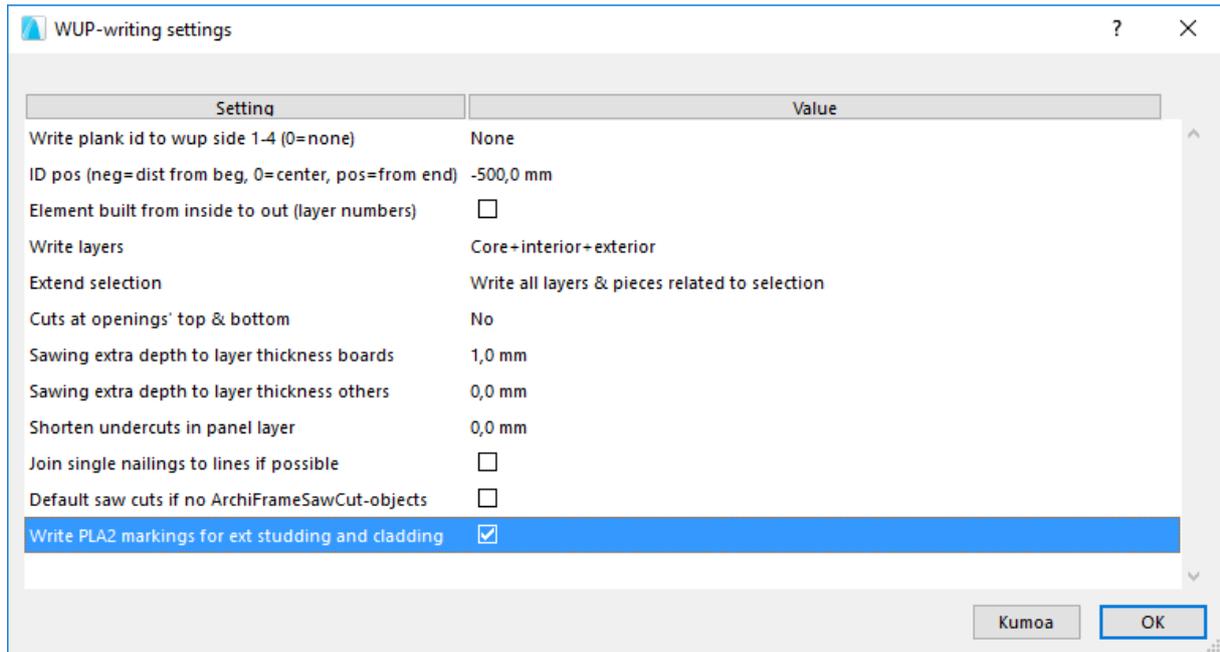

- Related to previous: Groove target side automation adjusted so that the grooves like above will be placed on front/back surfaces instead of top/bottom.

- New setting for own element types or xml-definitions to get staggered double framing. Setting value 1 to setting zstagger gives result like this:
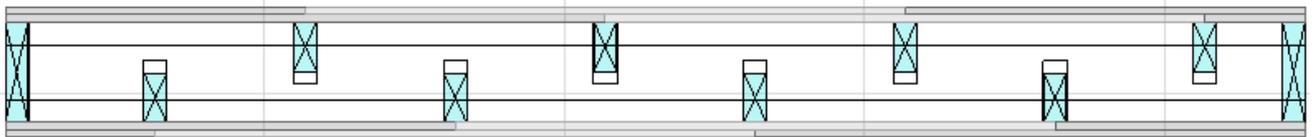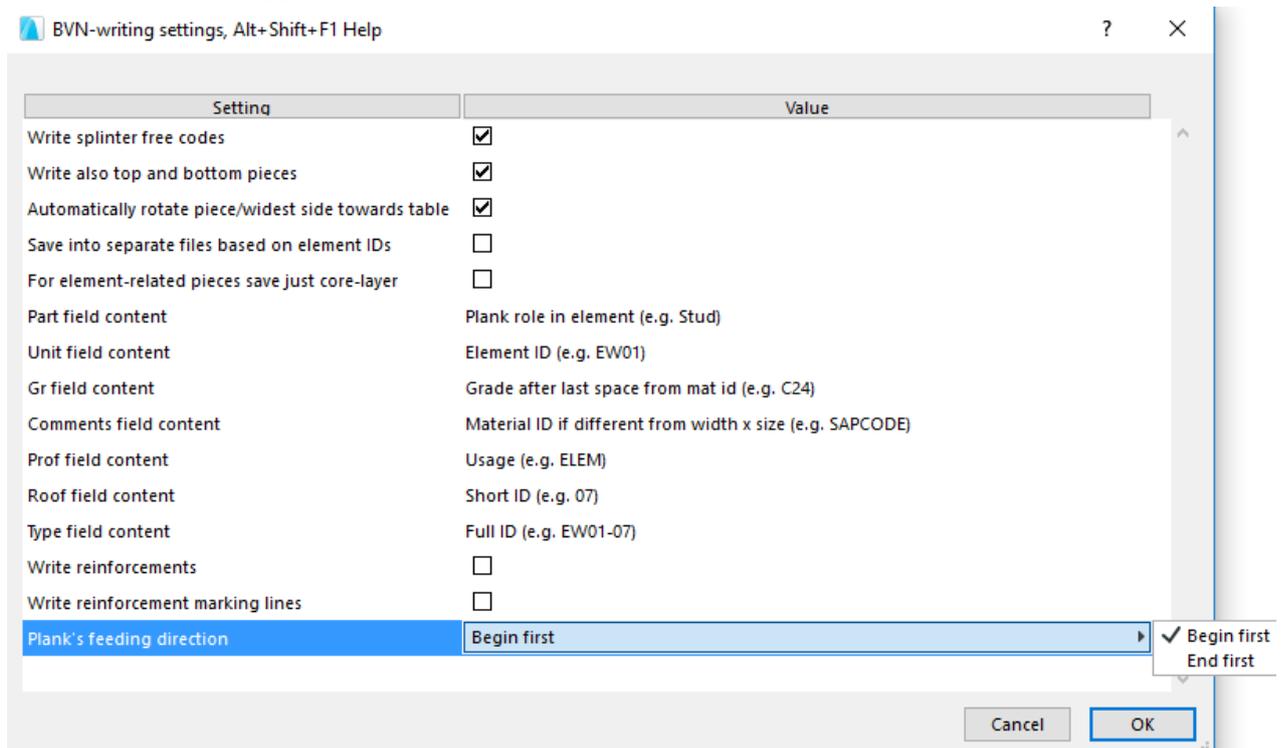

- Related to previous: Only studs max 10 mm from related framing element's surface are used for possible board edge places.
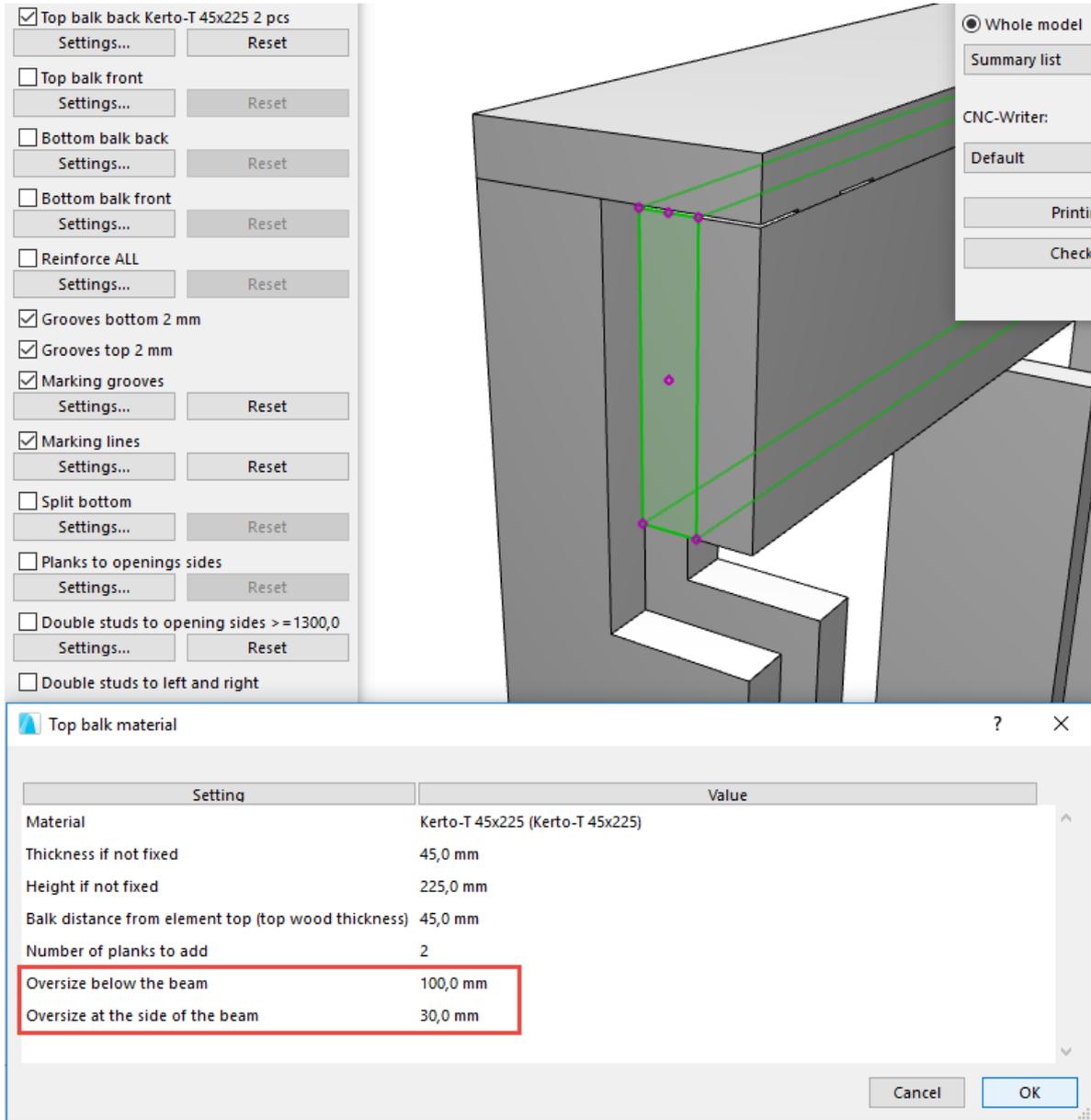
4th July 2019

- New option in wup-cnc-writer:

| Setting	Value
Write plank id to wup side 1-4 (0=none)	None
ID pos (neg=dist from beg, 0=center, pos=from end)	-500,0 mm
Element built from inside to out (layer numbers)	☐
Write layers	Core+interior+exterior
Extend selection	Write all layers & pieces related to selection
Cuts at openings' top & bottom	No
Sawing extra depth to layer thickness boards	1,0 mm
Sawing extra depth to layer thickness others	0,0 mm
Shorten undercuts in panel layer	0,0 mm
Join single nailings to lines if possible	☐
Default saw cuts if no ArchiFrameSawCut-objects	☐
Write PLA2 markings for ext studding and cladding	☑

WUP-writing settings — Kumoa — OK

- New option in Hundegger/bvn-writer:

BVN-writing settings, Alt+Shift+F1 Help

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	☐
Part field content	Plank role in element (e.g. Stud)
Unit field content	Element ID (e.g. EW01)
Gr field content	Grade after last space from mat id (e.g. C24)
Comments field content	Material ID if different from width x size (e.g. SAPCODE)
Prof field content	Usage (e.g. ELEM)
Roof field content	Short ID (e.g. 07)
Type field content	Full ID (e.g. EW01-07)
Write reinforcements	☐
Write reinforcement marking lines	☐
Plank's feeding direction	Begin first ▶

✓ Begin first
End first

Cancel — OK

- New settings to top balk element option:

Setting	Value
Material	Kerto-T 45x225 (Kerto-T 45x225)
Thickness if not fixed	45,0 mm
Height if not fixed	225,0 mm
Balk distance from element top (top wood thickness)	45,0 mm
Number of planks to add	2
Oversize below the beam	100,0 mm
Oversize at the side of the beam	30,0 mm

- Own corner types fix: Teaching the corner calculates the distance from edge to the last taught 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:
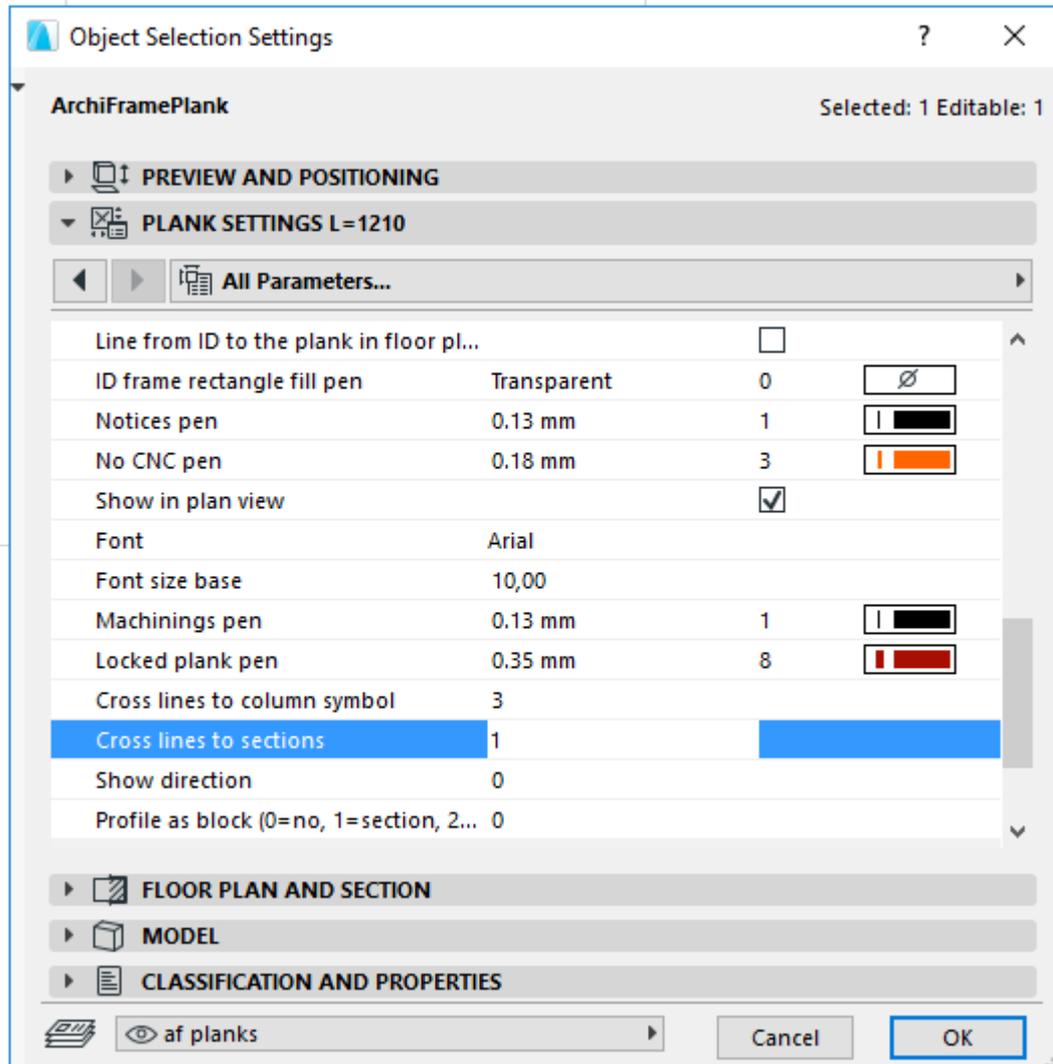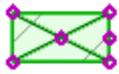
- Wup-cnc:

  - 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:
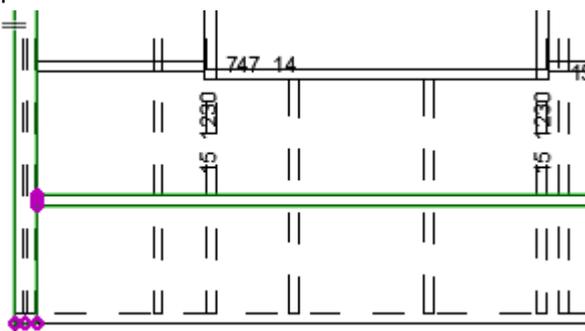
- Option to override spacing value for placed elements:
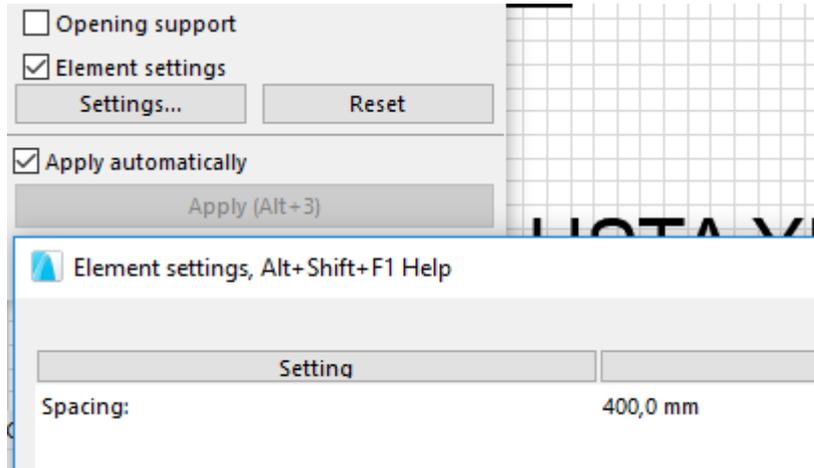
8th May 2019

- Zero depth projections got duplicated dimension lines if this was not checked on:
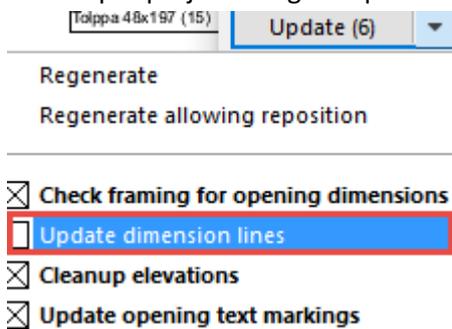
- Creating layouts now in 1/2 - 1/3 time compared to earlier starting from AC v 22

- BTL-CNC-file: Straight beveled only cut may have be missing:
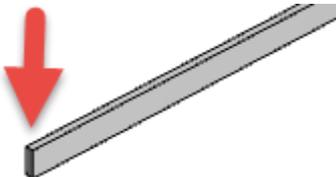
- BTL-CNC-file: Lengthwise cut had incorrect flag-parameters that caused MobiOne not to make the cut

18th April 2019

- Possibility to have lines for window frames. Requires using frame sizes+oversizes for Archicad doors and windows:
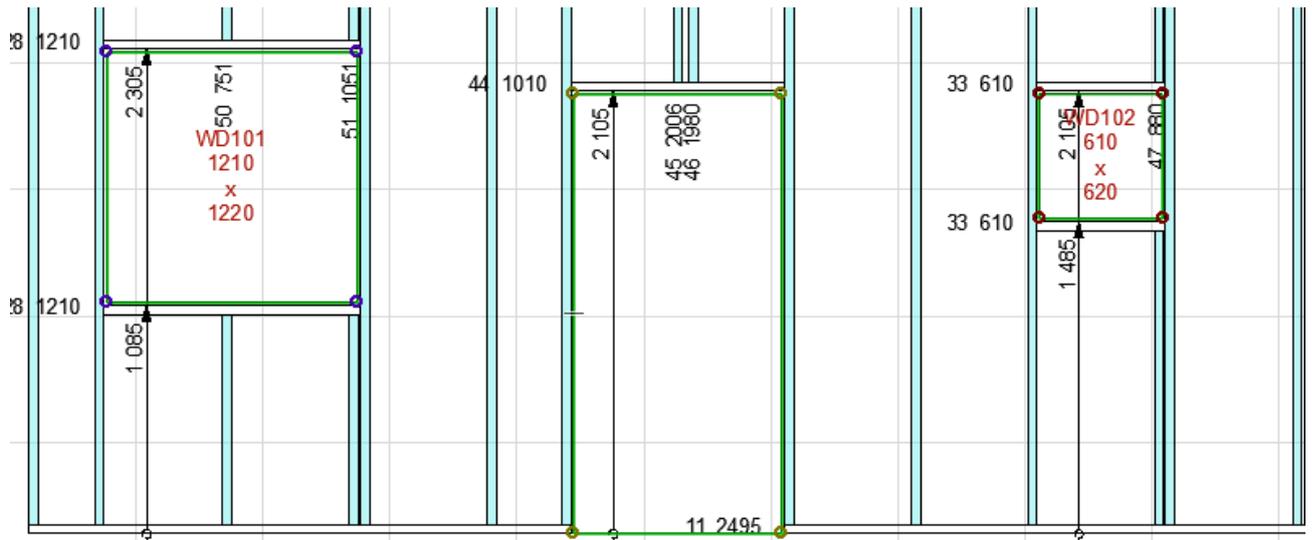
- Possibility to add main framing contour lines to the projection:
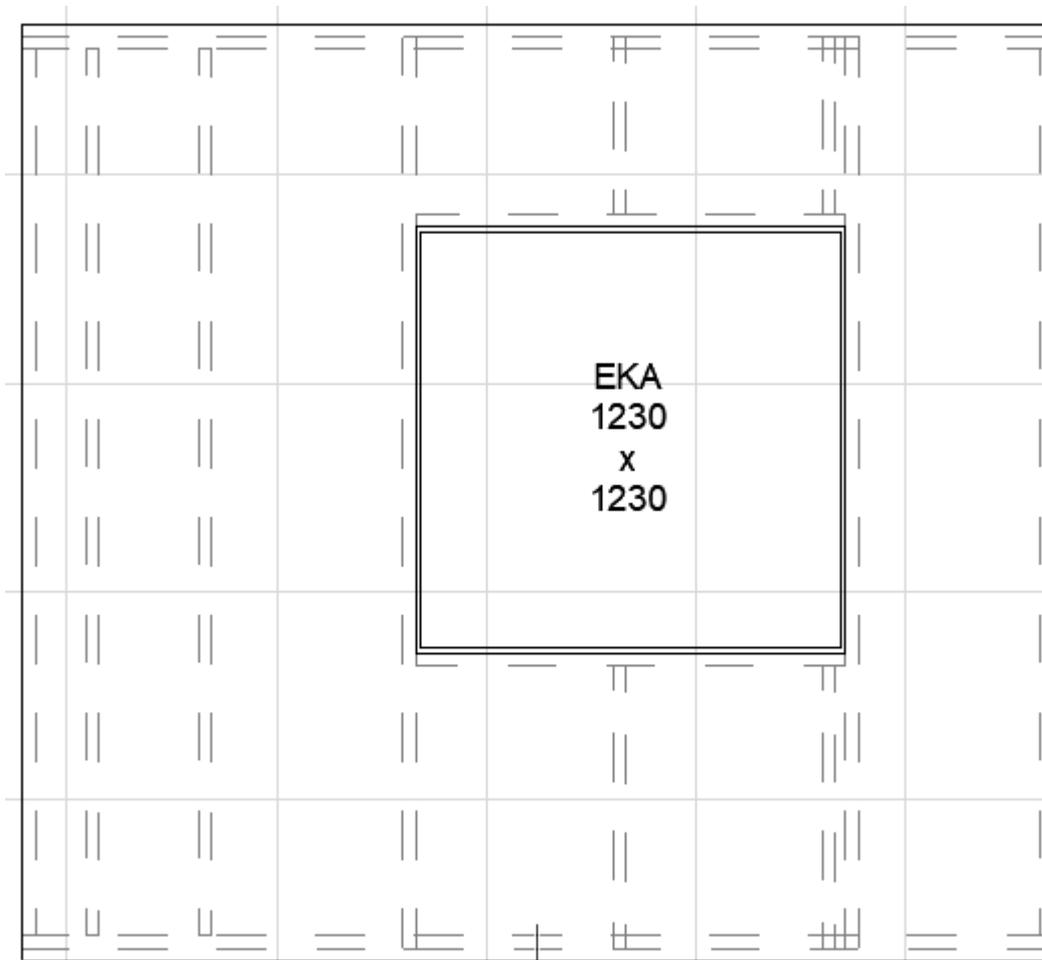
- Balk show option both ends:
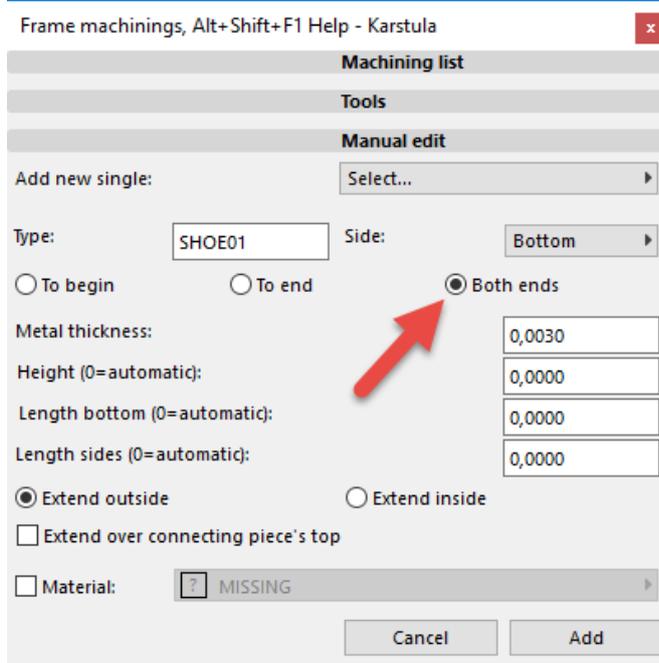
- Groove placement internal logic improved to avoid bad grooves.

- Projections type="left" and type="right" added:
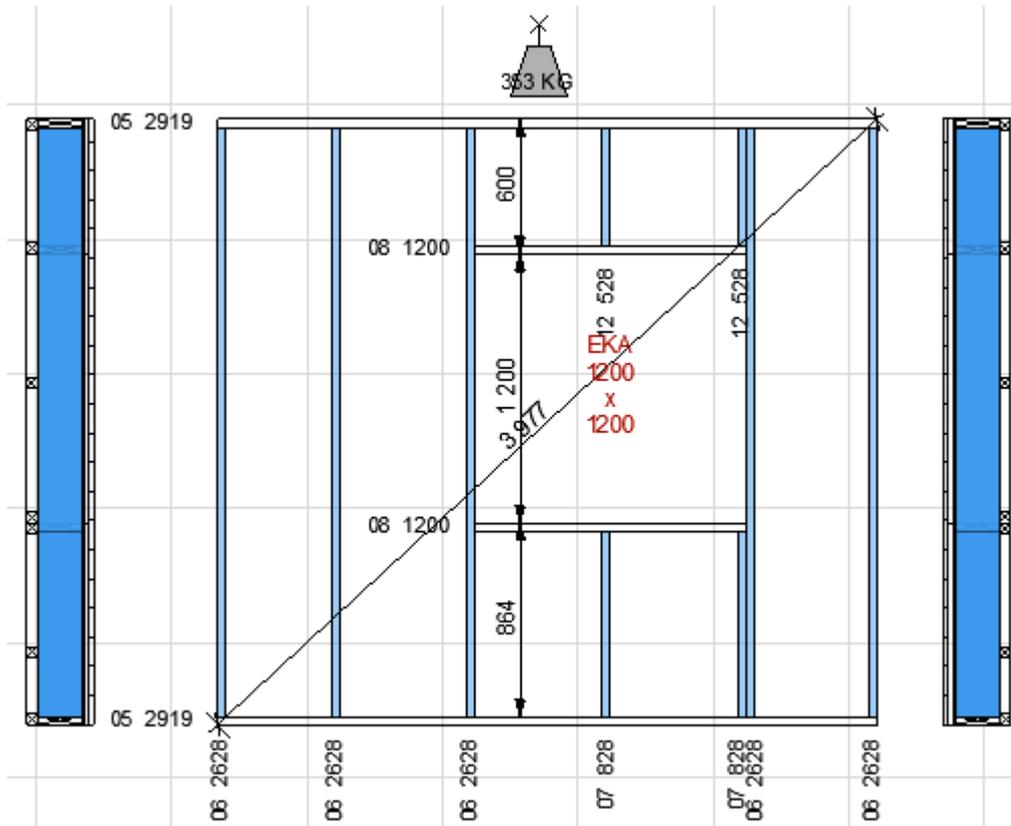
- Spacing from L/R with rotated piece bug fixed – now correct:
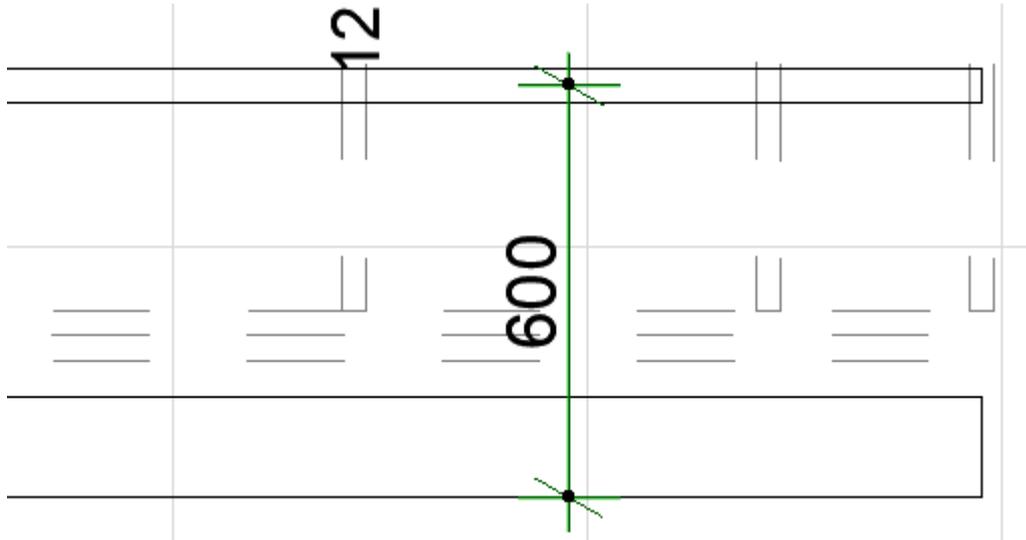
- New option to attach projection using its original settings instead of for example dashed main framing:
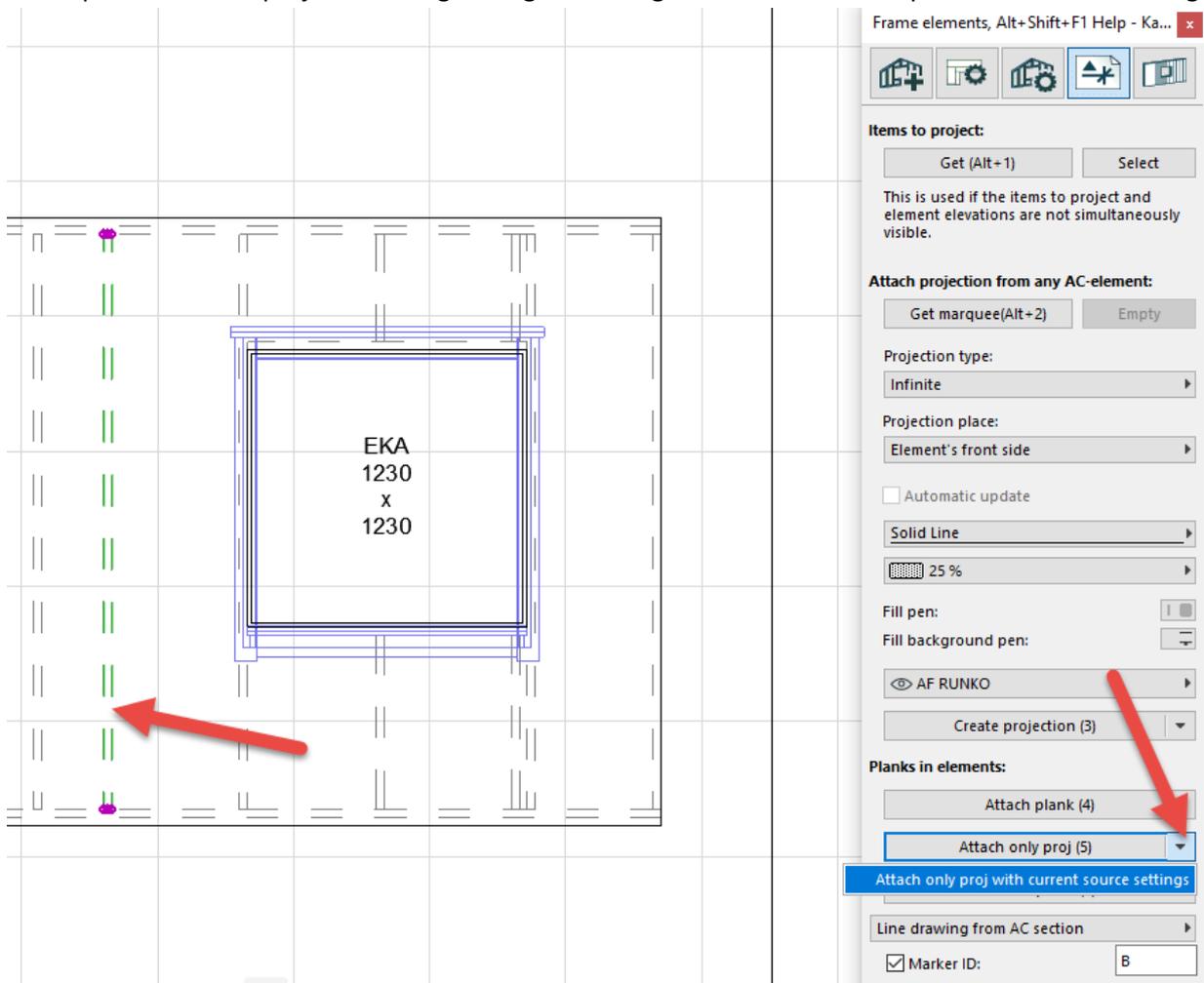
28th March 2019

- 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:
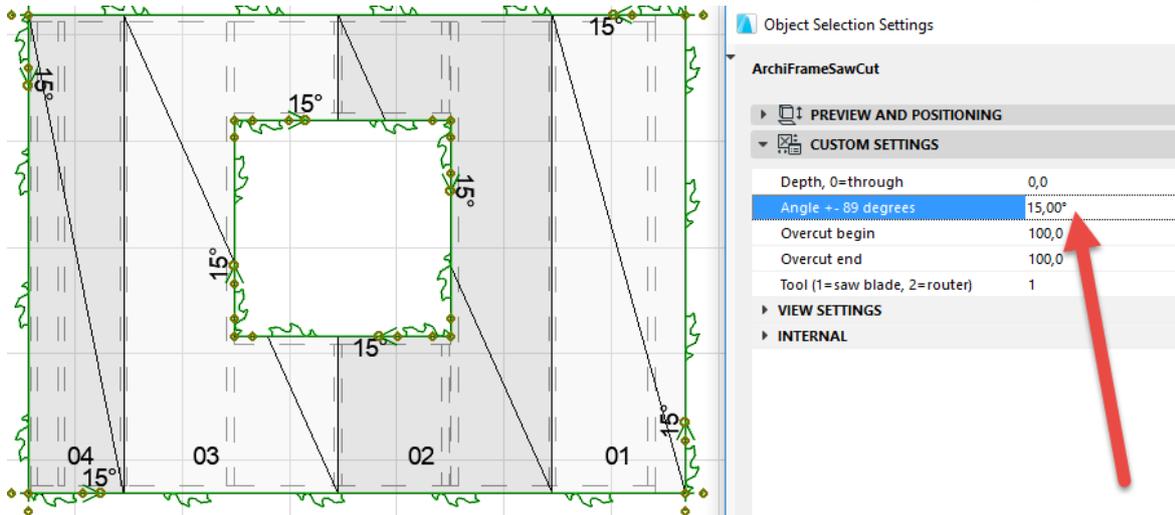
- Free projection tool improvements

- Board object projection fixes (was sometimes projected wrong in free sections)

- Element options/marking lines unchecked lines now leave markings not created – came earlier:
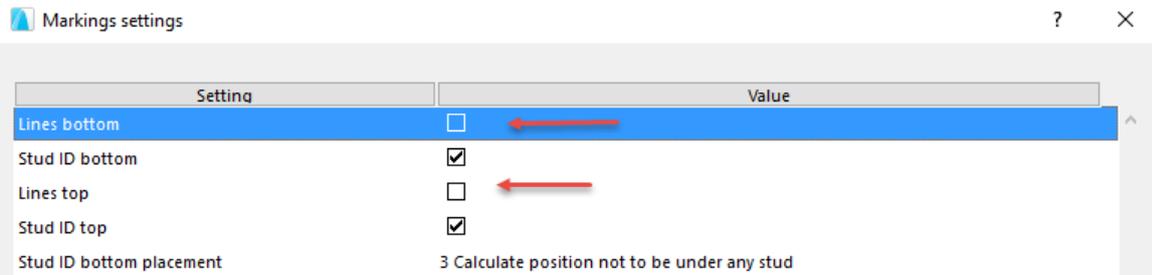
- Planks & boards in the same layer are now both included in the related cut lists (not for cladding layer).

- 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:
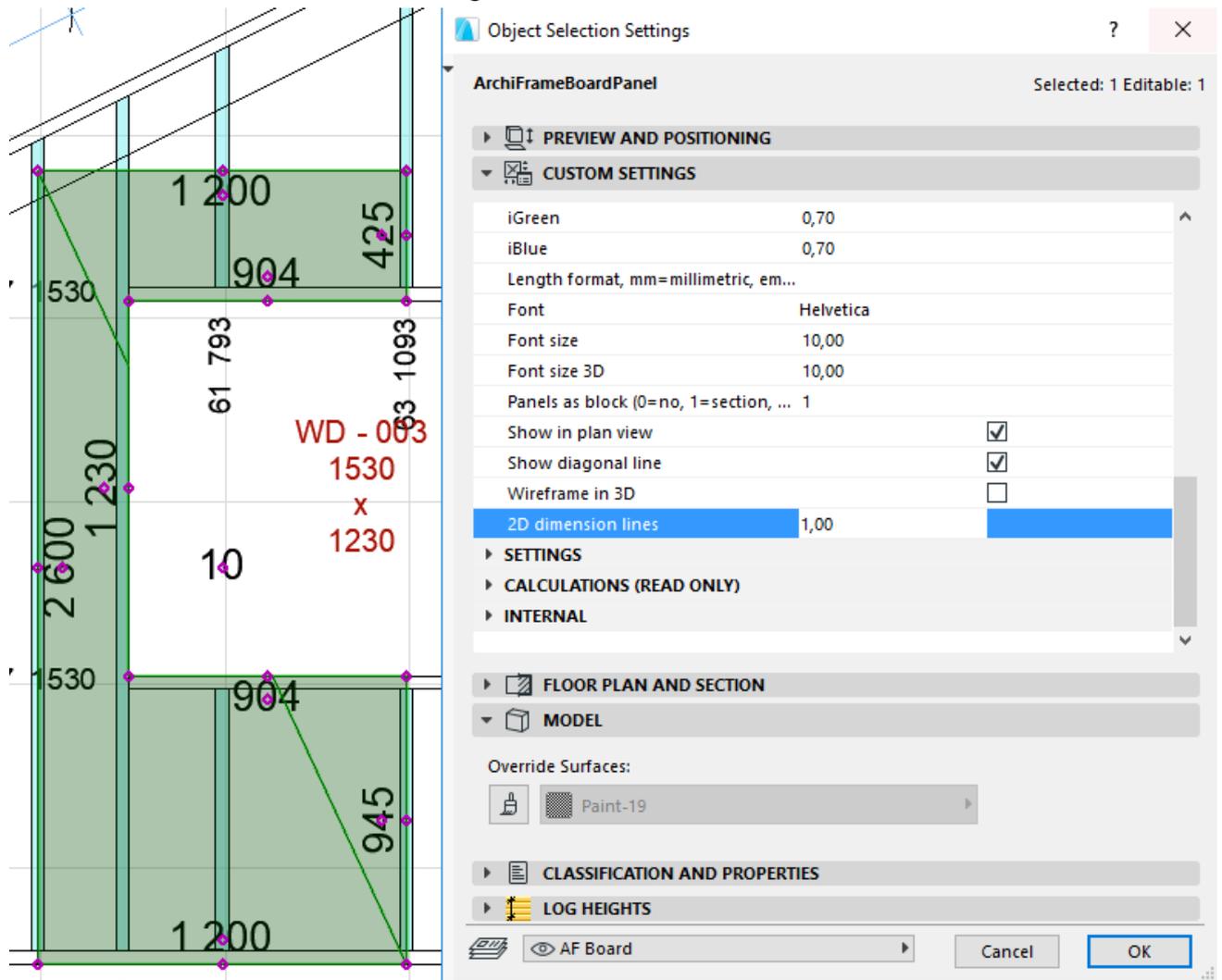
- Gable wall dim line now combines cut top plates into same dim line:
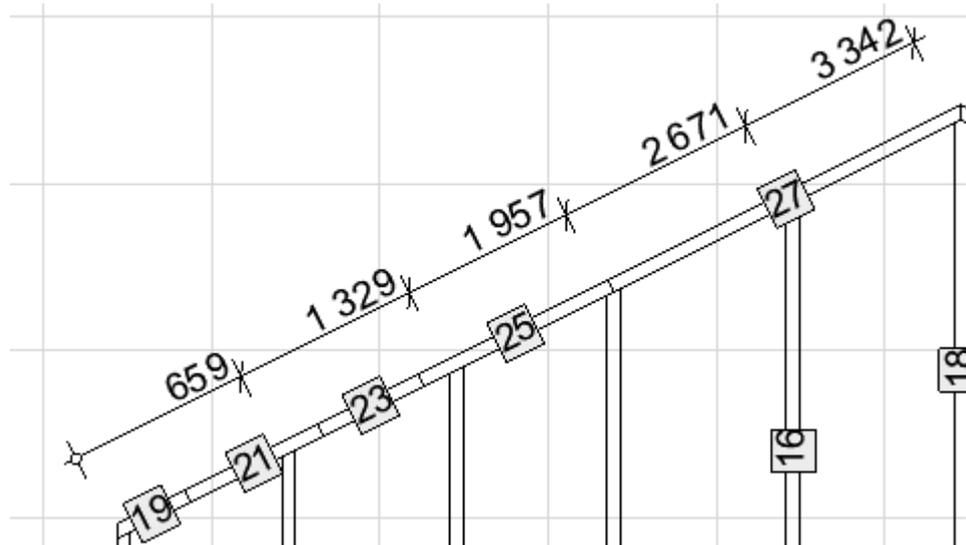
- Possibility to set stud fill pen in own element types:
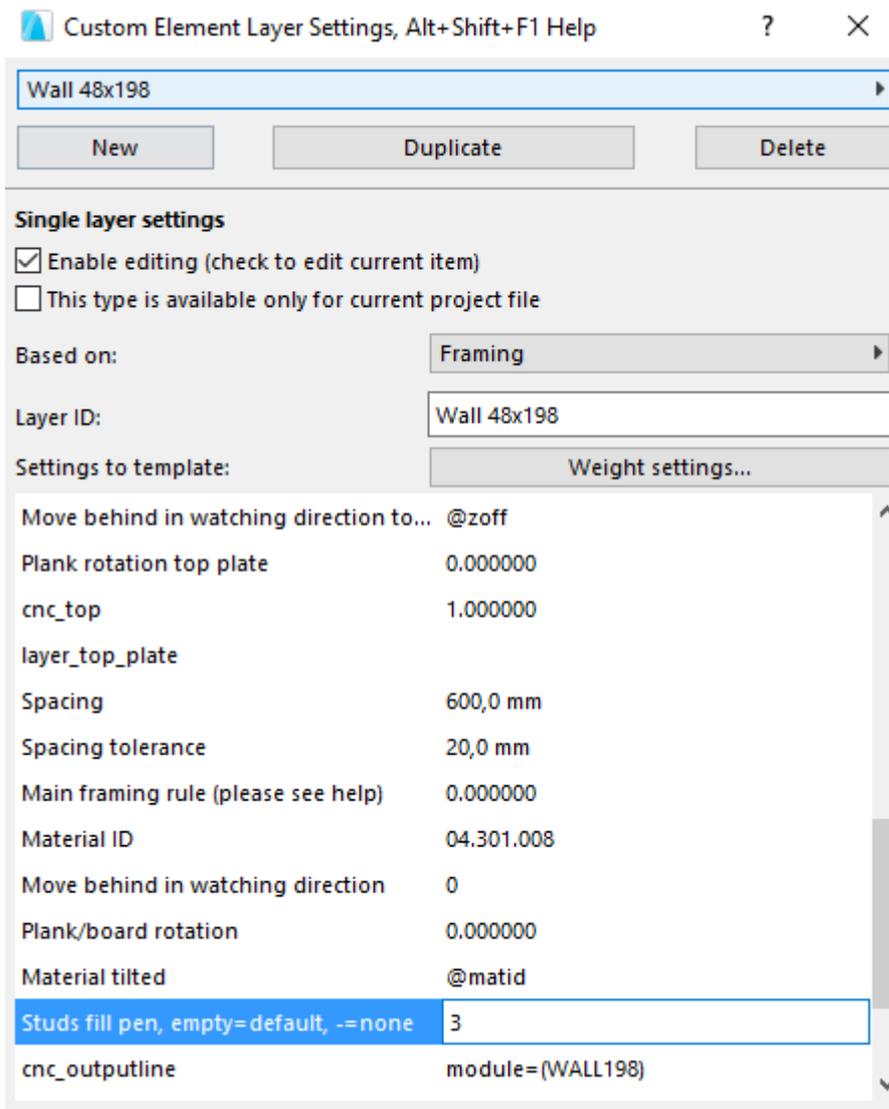
- Wup-cnc: ArchiFrameSawCut-object's depth sign is now set by wup-writer

- Printing with automatically updating layouts: Pictures now alre handled when calculating clipping area.

- More options for btl-cnc-saving:
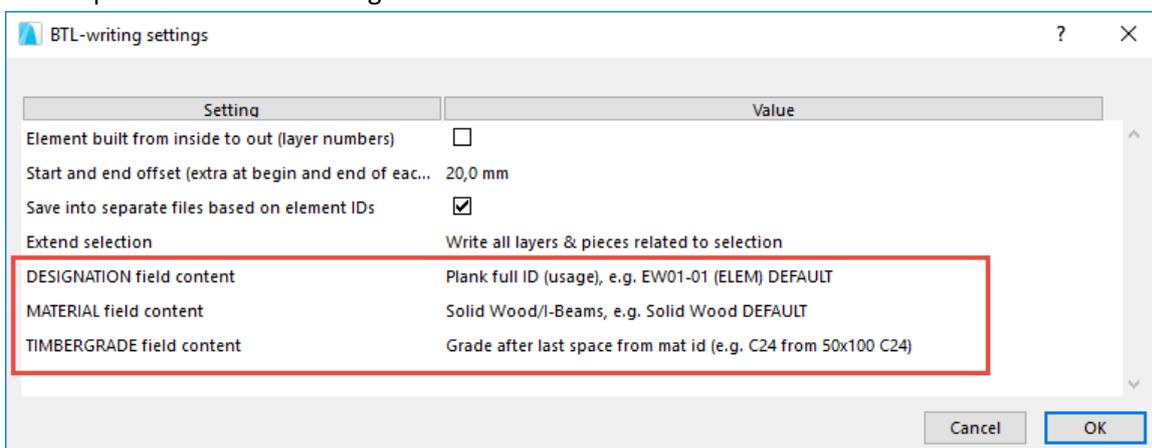
- Fixed layoutminheight="x" valign="y" settings, now it is possible to leave some reserve space above the projection.

- ArchiFrameBoardPanel-object: Setting the line type now affects projections.

- Top projection has now automatic layer offset dim lines on by default in default data:
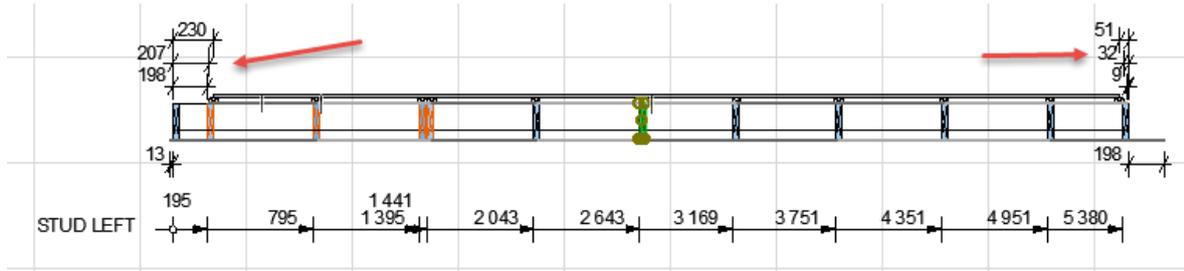
5th Feb 2019

- 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_REFUSEDCMD), please undo and suspend groups manually before trying again.

- Hundegger-bvn end shape improvements

- Printing & creating layouts:

  o Master layouts are now sorted by name

  o 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:
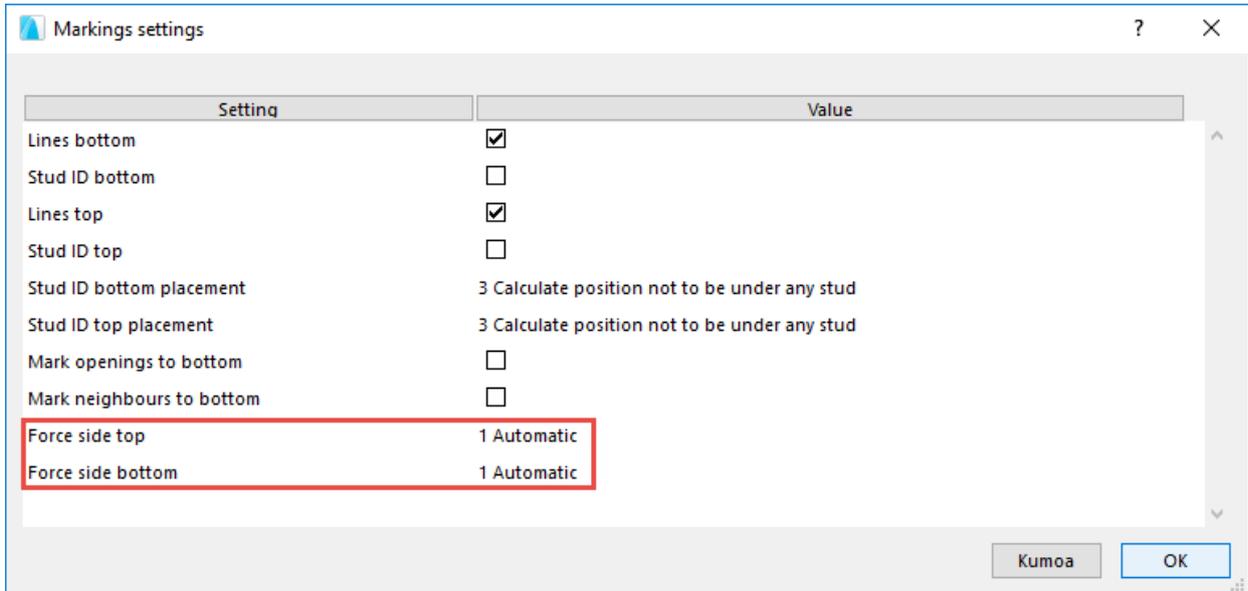
- Element opening weight calculation changes:

  o If ArchiFrameElement-object is not connected to any Archicad wall and is vertical, all holes in the element are treated as windows.

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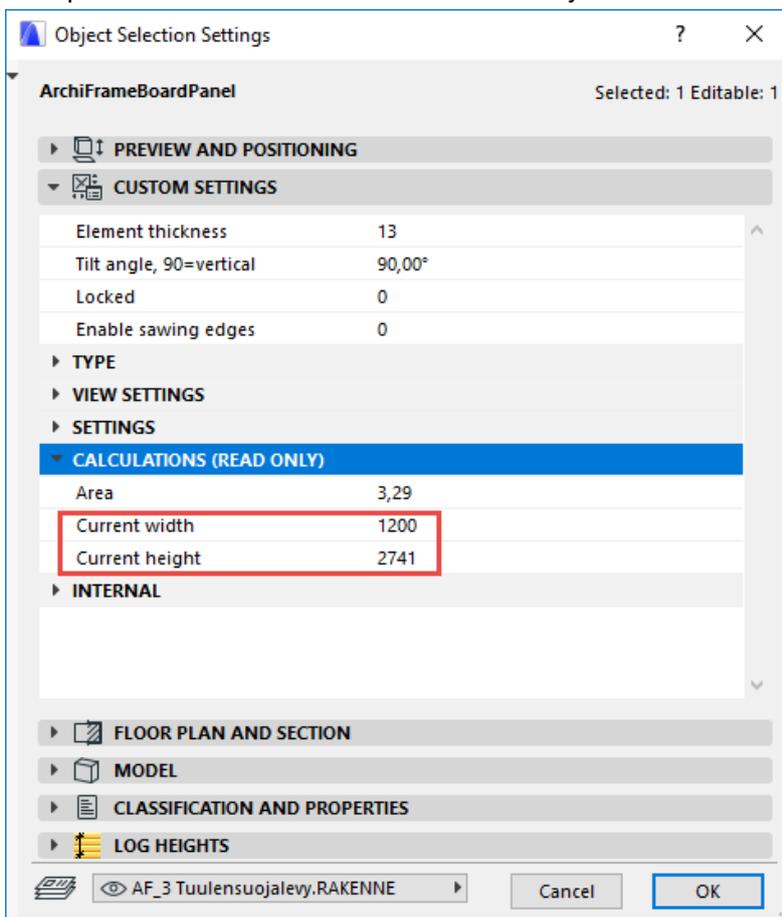
- Copy & paste ready element to another storey is now supported. Please suspend groups before pasting since Archicad API does not allow ArchiFrame to do it automatically when pasting.

- 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:
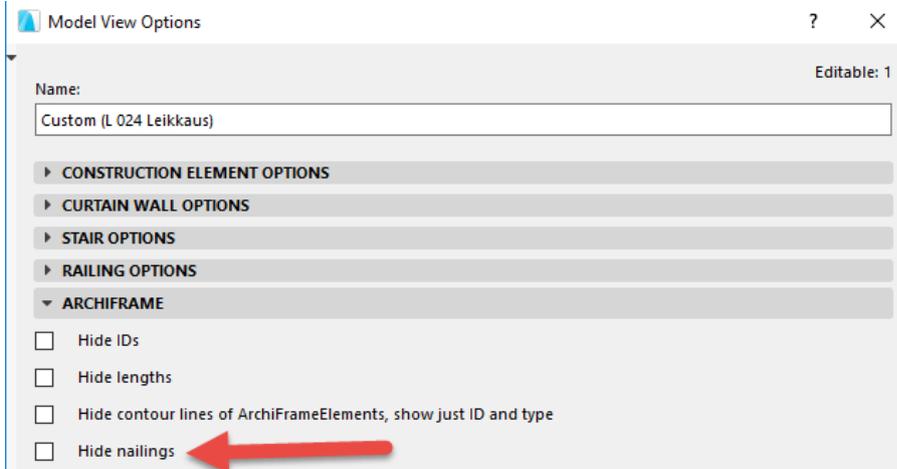
- Possibility to use Archicad-properties in listings – these:
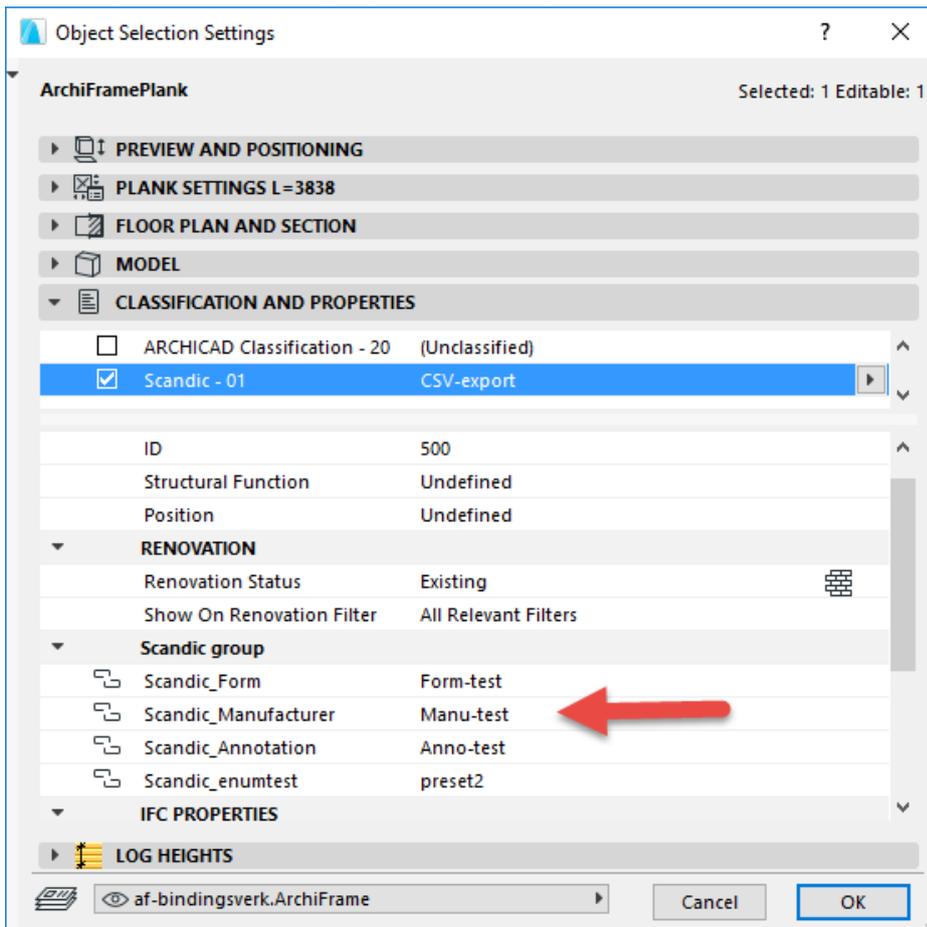
7ᵗʰ Jan 2019

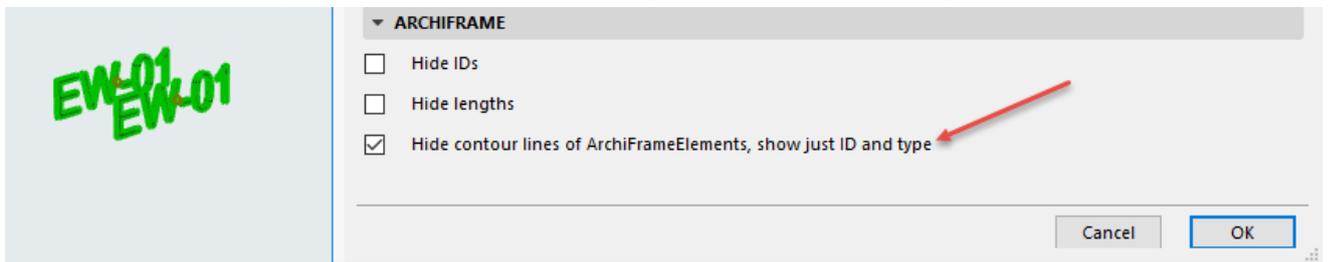- Cladding type list shows current selection's type bolded:
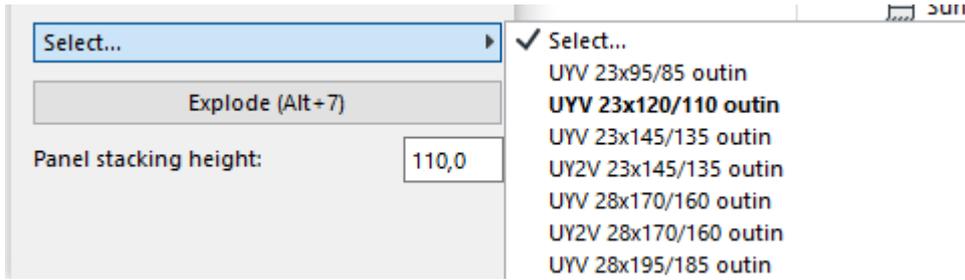
- Fixes to beta-phase section tool

10ᵗʰ Dec 2018

- More control over layout naming here (<childname> for multi-layout elevations):
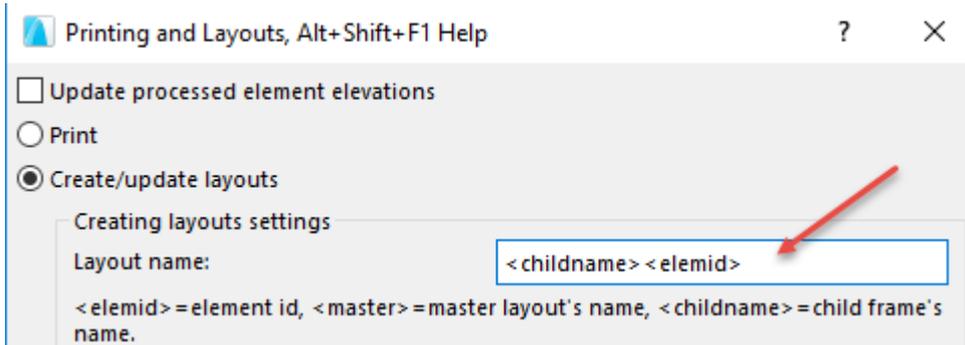
- ArchiFrameElement-object follows this Model/View-option also in 3D to show just the ID:

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

   o Fill type

   o Take fill colour from 3D-material

- Separate walls making single element can now have opposite directions like this:
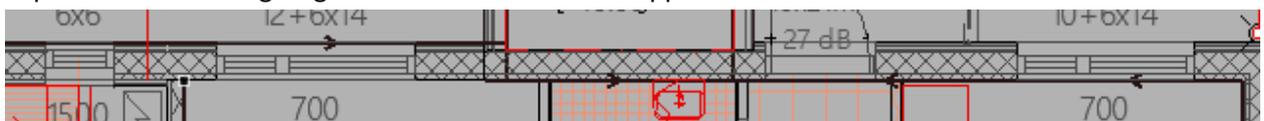
- Wup CNC: Possibility to change saw cut into routing from object settings and automatically select the router for undercuts below 300 mm (setting in ArchiFrameElements.xml):
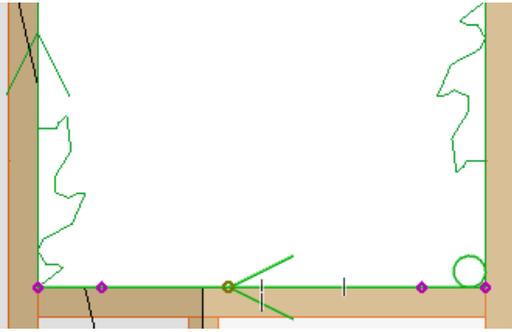
26th November 2018

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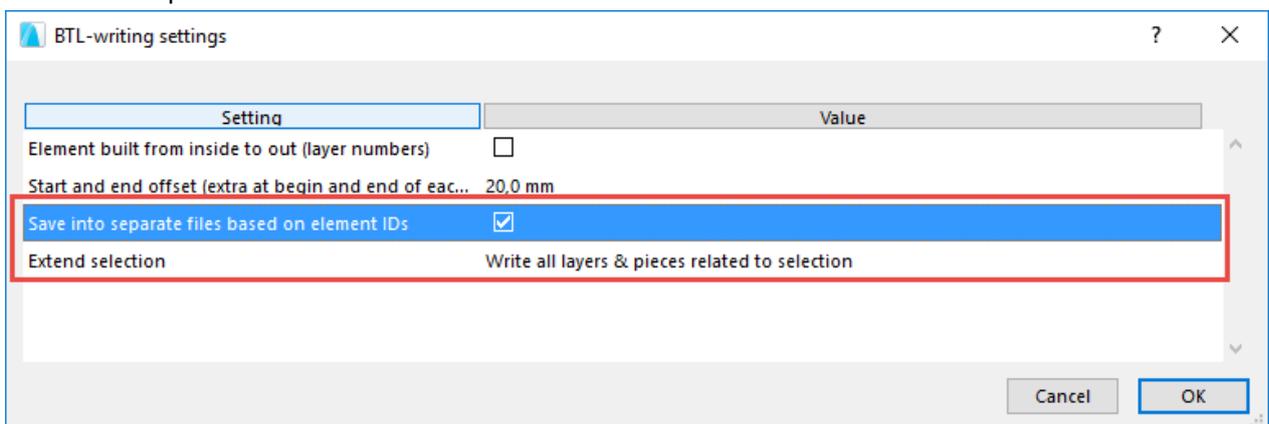
- In cases like below double bottom element option was unable to add double bottom:

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:
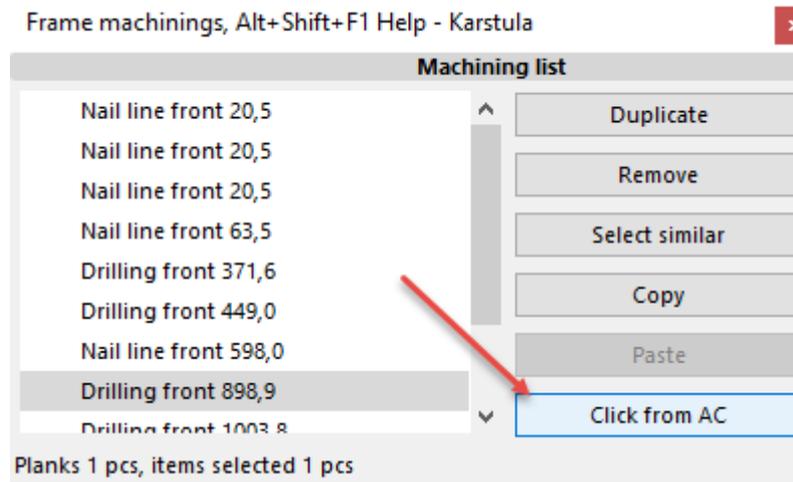
- Check for doubles, added a special case to avoid reporting manually placed reinforcements:
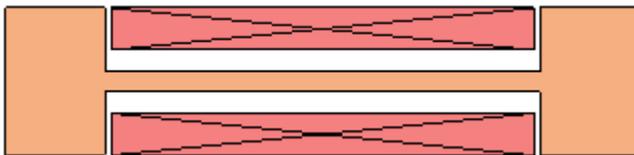
Please note that only Archicad's Collision checking tool or Solibri performs real 3D-collision checking. ArchiFrame uses rectangle plank profile without any machinings when searching for duplicates.

- 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).

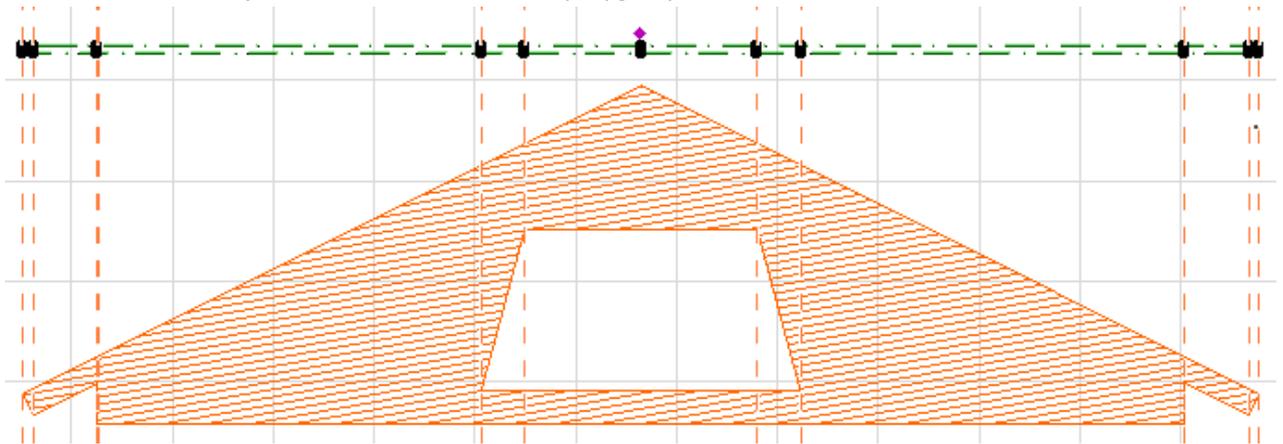- Bug fix: Opening offsets were sometimes shown wrongly in multilayered elements.

- New option for updating elements:
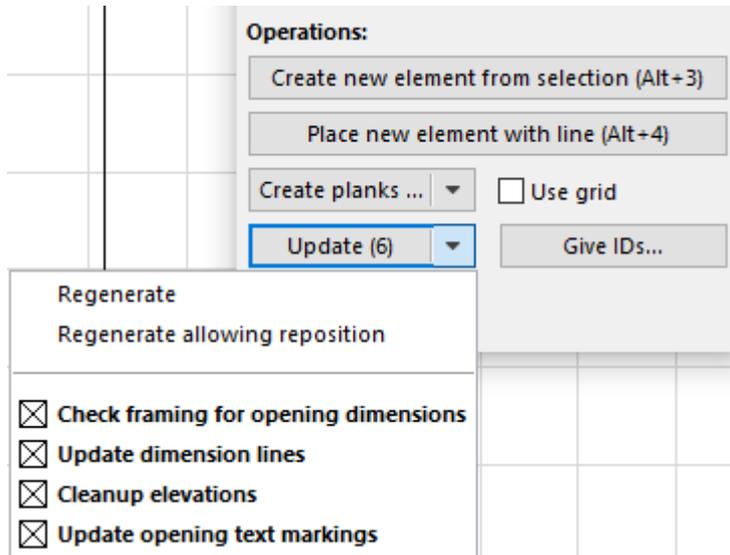
- Bug fix: Cross dimension line for back projection did not work

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 ←→ 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):
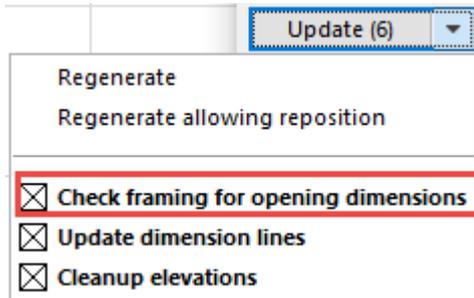

3ʳᵈ September 2018

- 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 drilings or nailings are added:
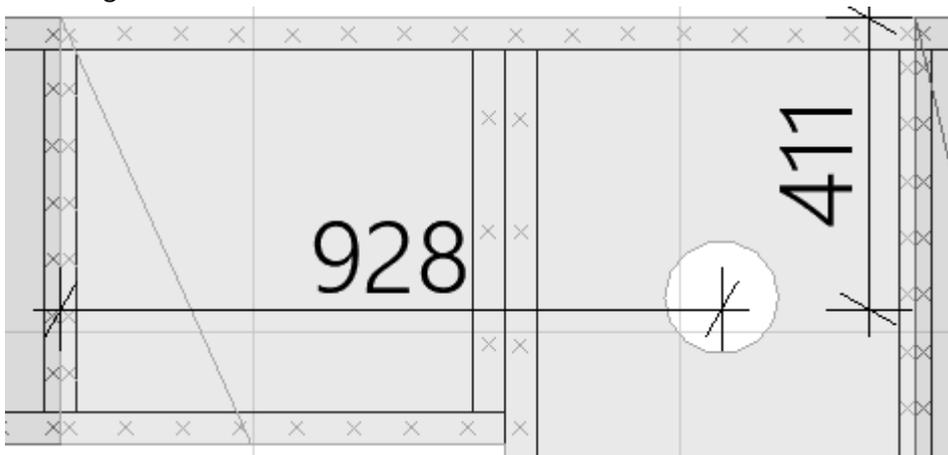
- BTL-CNC: Automatic ID text will now be moved to avoid collision with drillings too. Earlier just grooves and other markings were checked.
- Improvements in section pen/fill settings:
  - *Add section*-command follows these pen settings, due to ArchiFrame's limitation the pens should be the same:
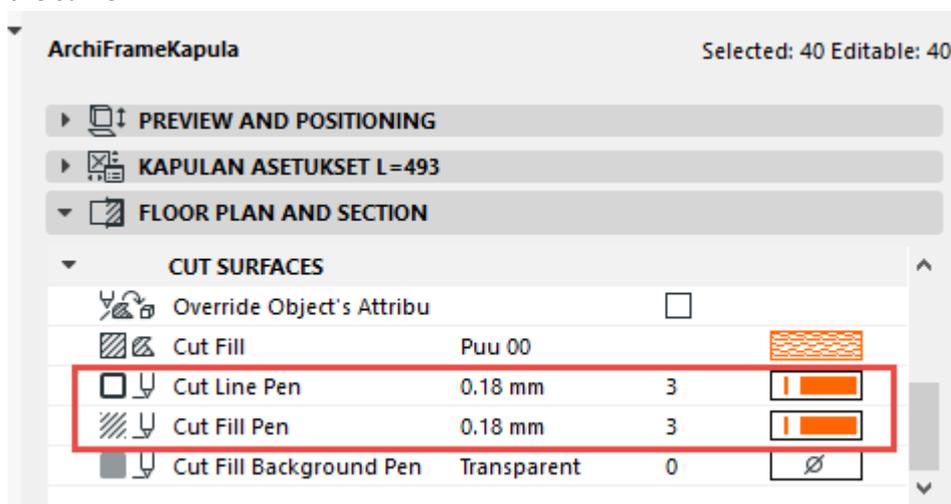
  - For technical reasons ArchiFrame does not draw fills, just lines.
  - These settings are synchronized between projection and 3D-pieces by ArchiFrame
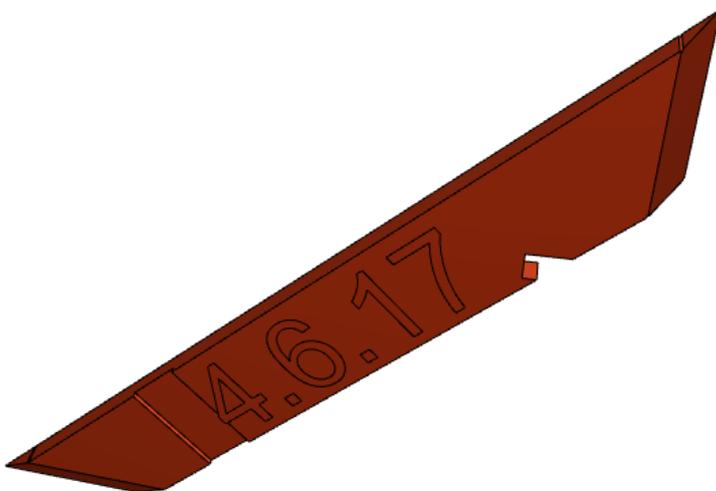
o For example, a roof element:
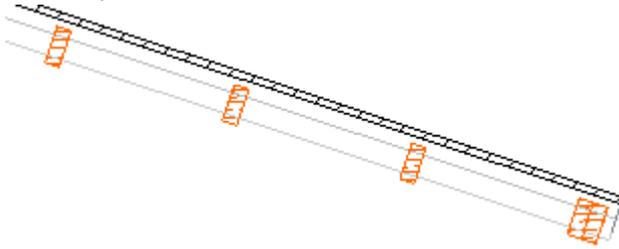
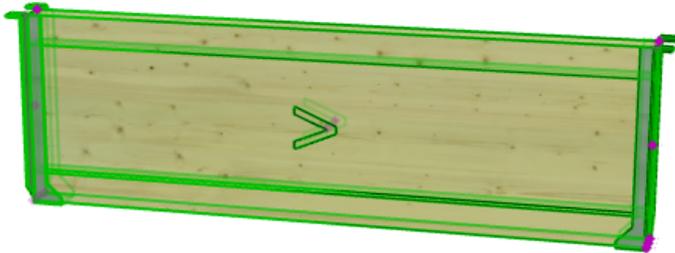o It is possible to set section attributes in own element layer settings:
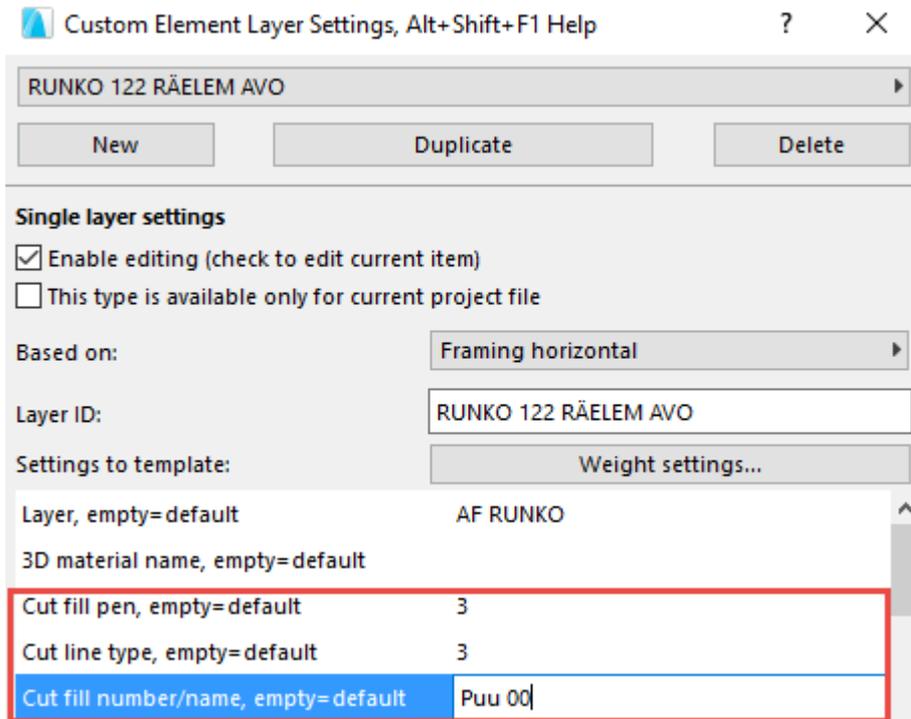
- Bug fix: Imperial units conversion for listings inside ArchiFrame improved for AC22.

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:
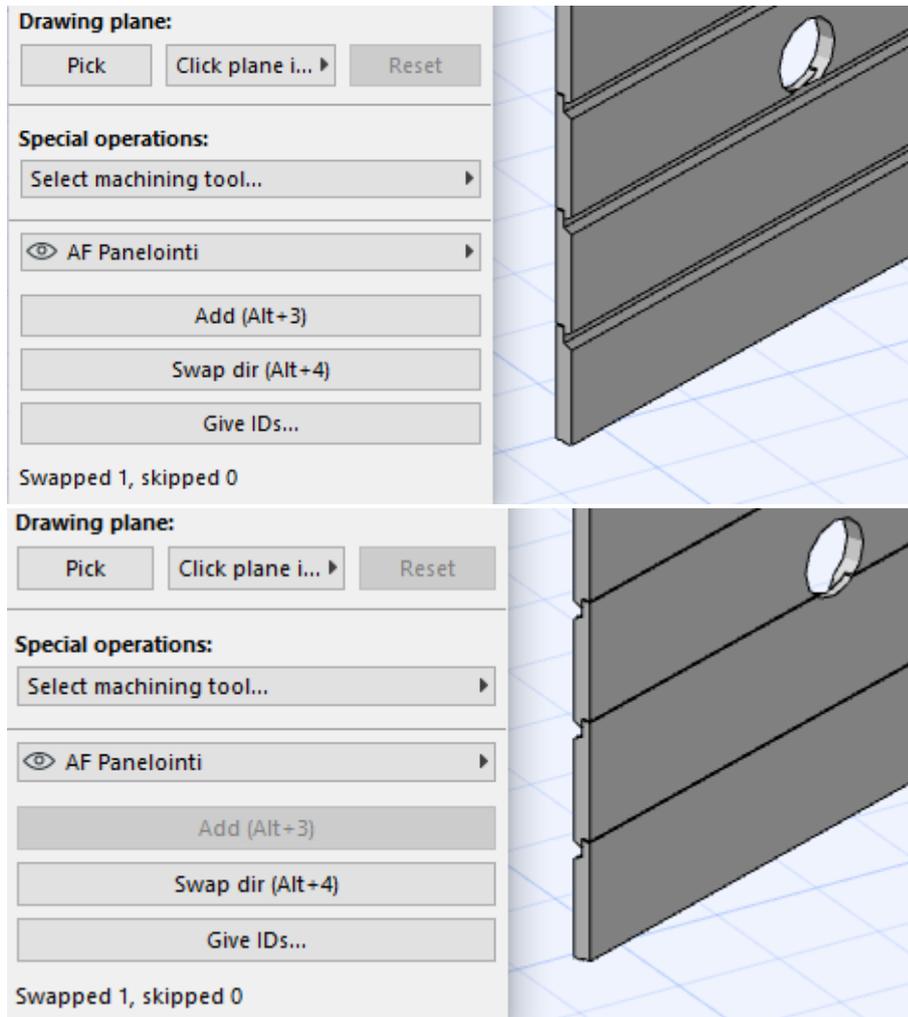

- Bug fixes related to mirror & copy whole elements:

  - 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.
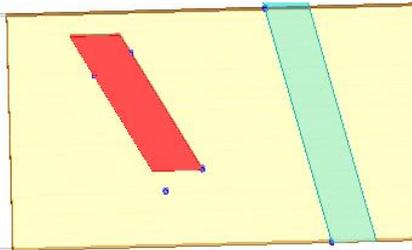
26th July 2018

- 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:

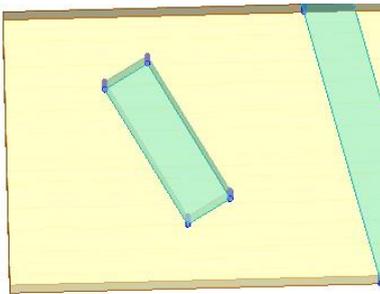 - Groove was saved as a saw cut if its width was less than 100 mm, now fixed the value to 10 mm.

o Partial groove had illegal angles, in AC (drillings added to all corners):
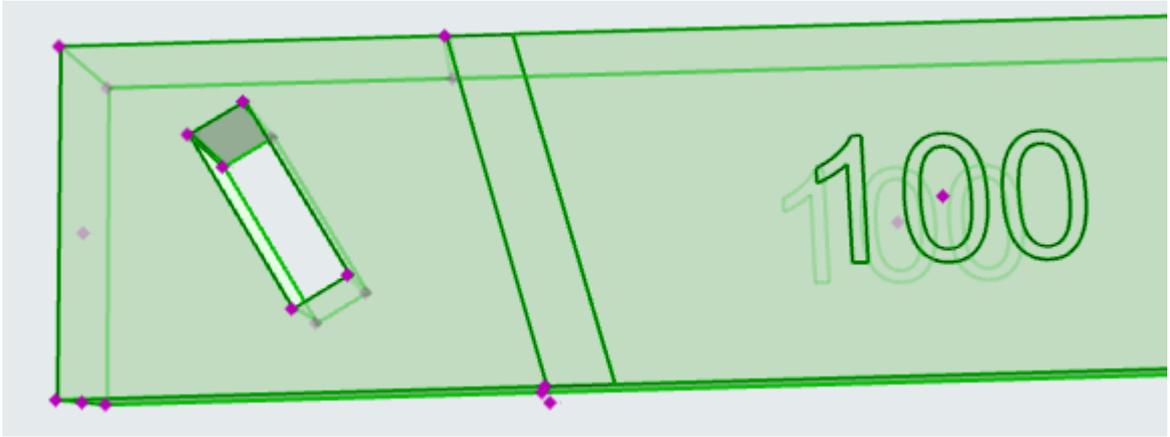
BTL viewer old:

BTL viewer new:

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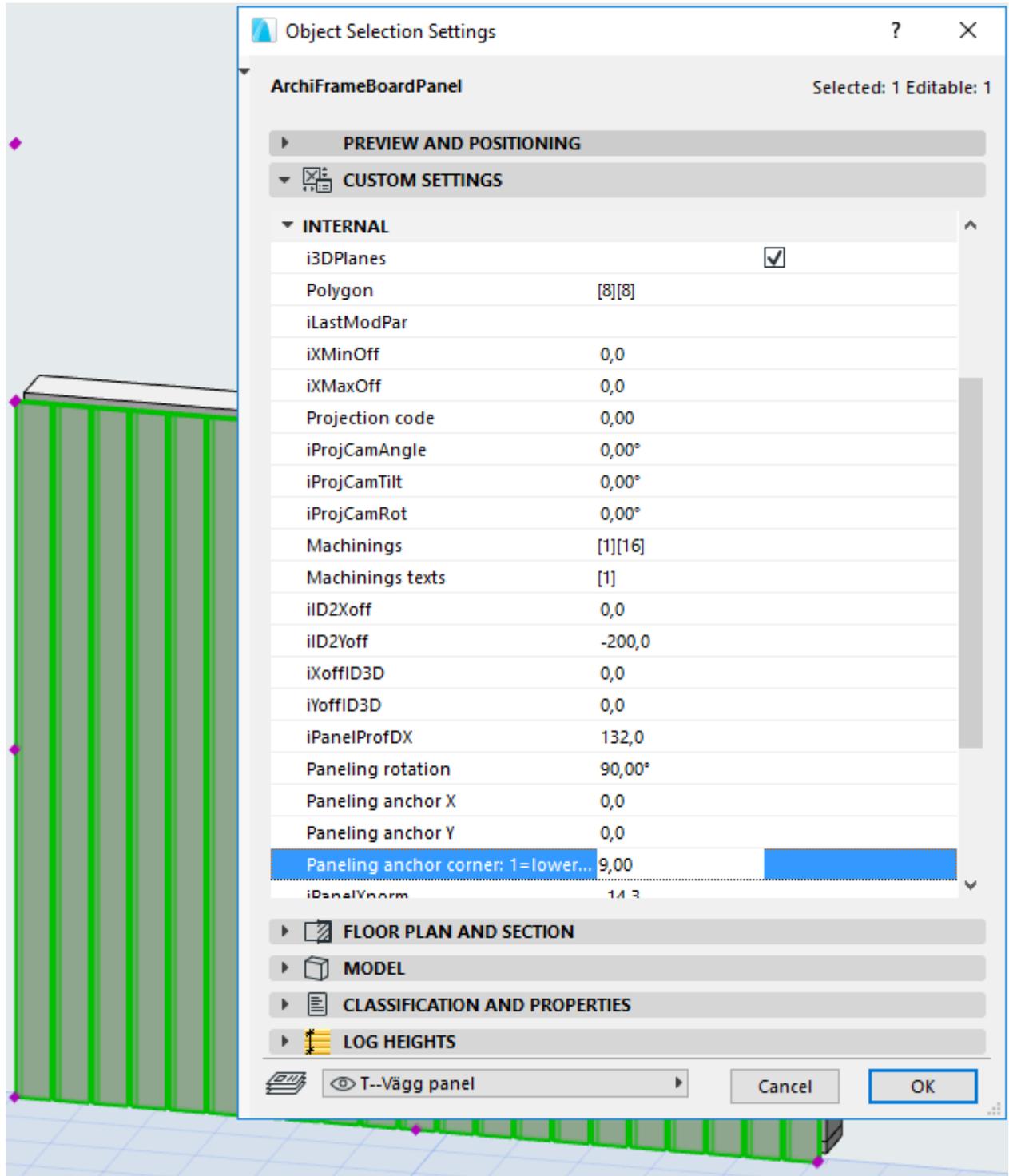
Write reinforcements	☑
Write reinforcement marking lines	☑

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.

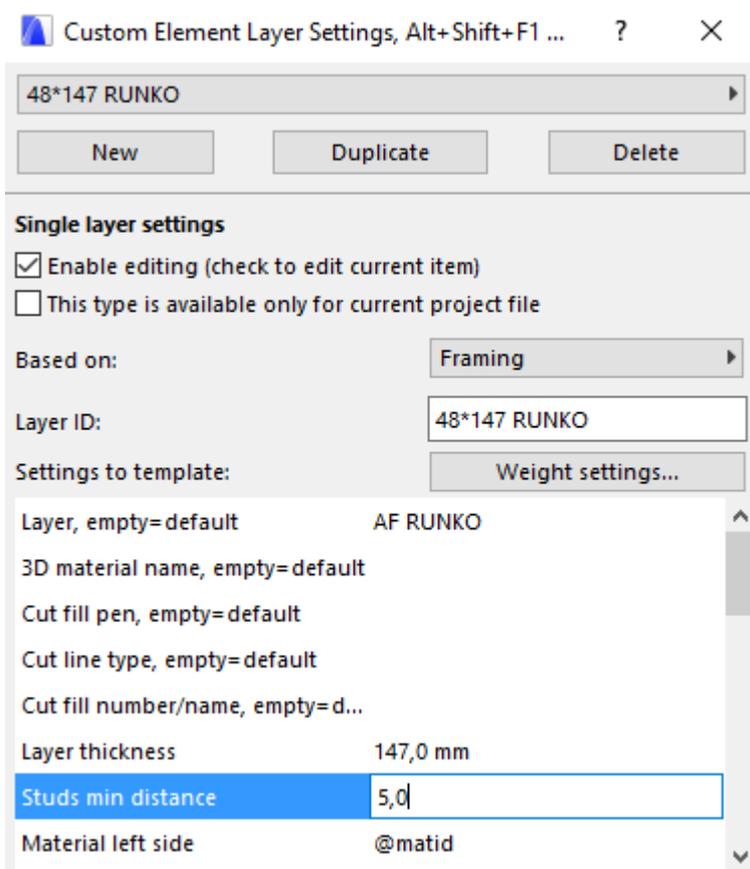- Option to set cladding offset anchor corner:

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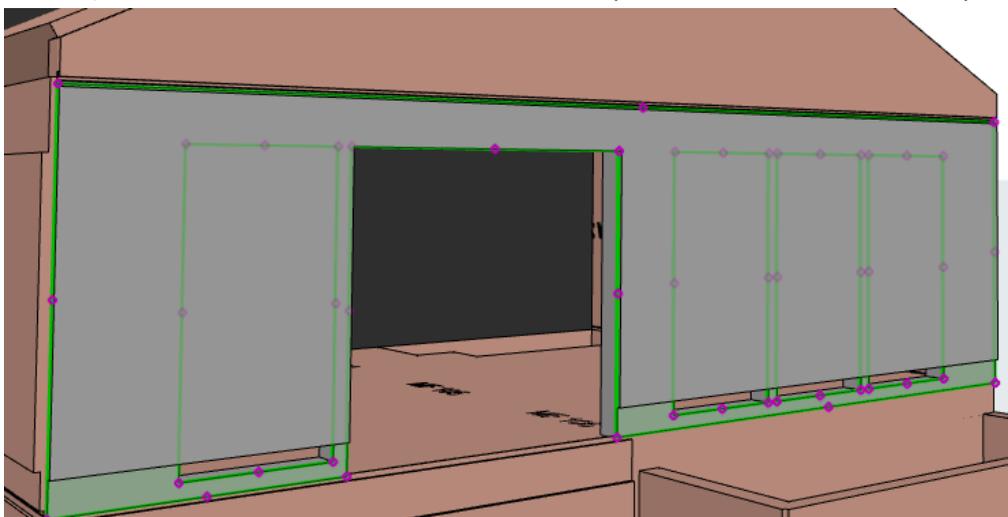
- New option for the drilling tool (please press Alt+Shift+F1 to see full help):
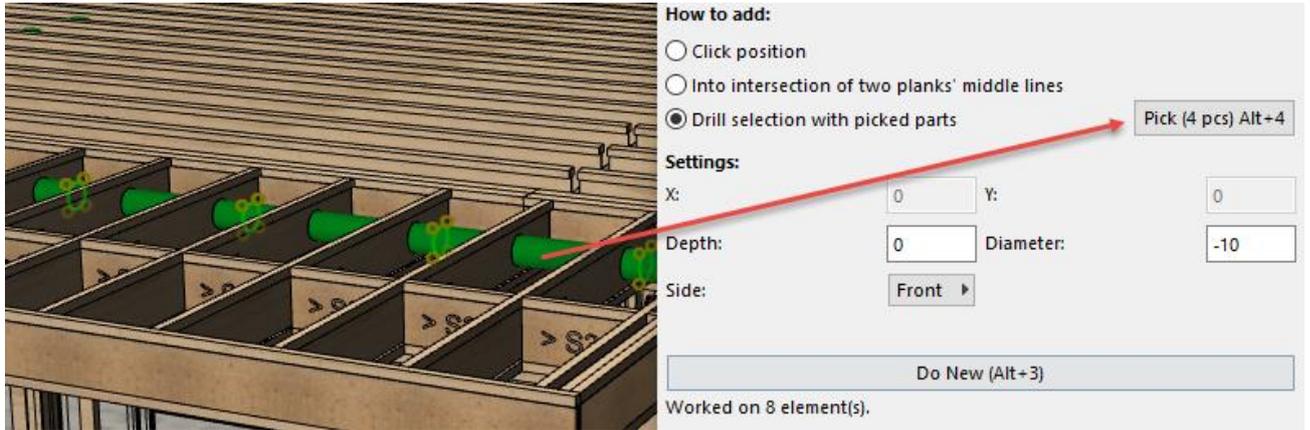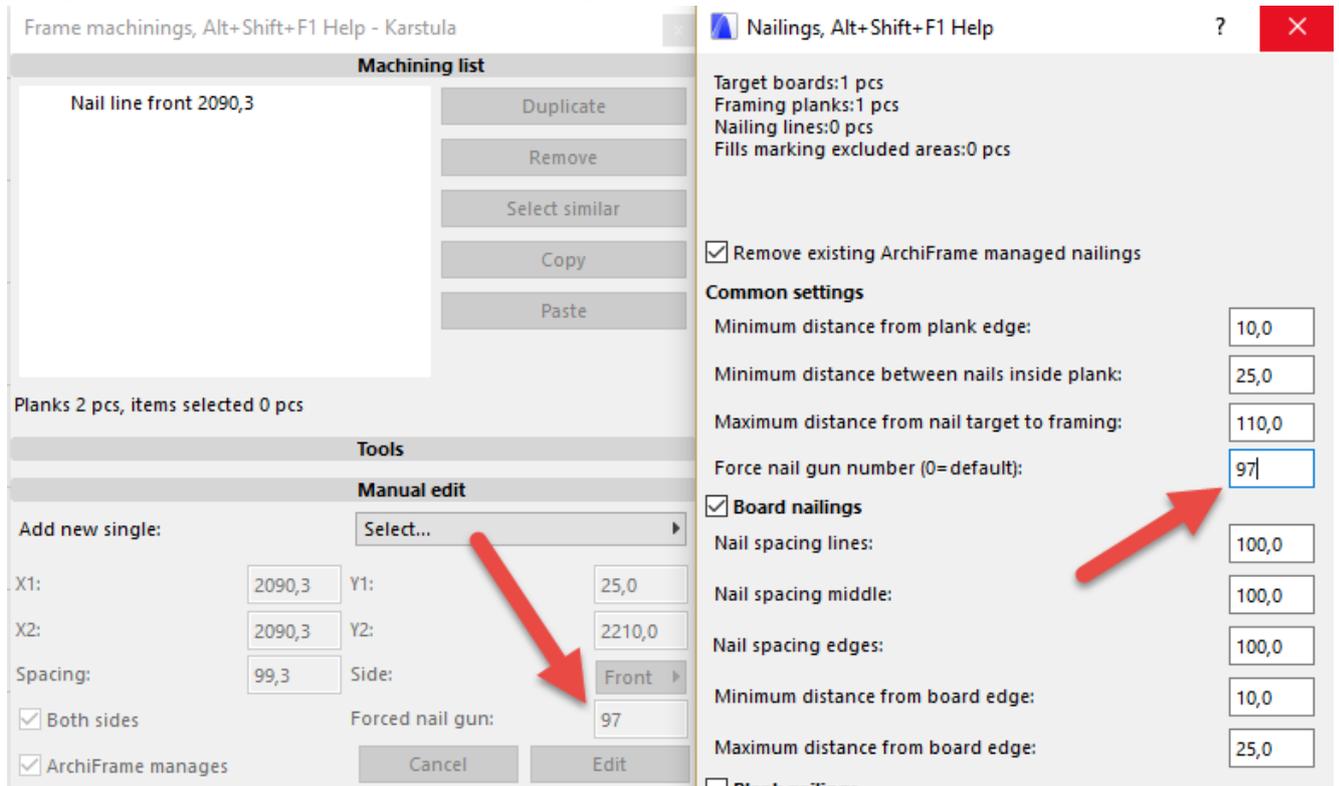

- Fixed custom corners at gable walls (no more selected parts for new taught corners), press Alt+Shift+F1 in custom corner tool palette:
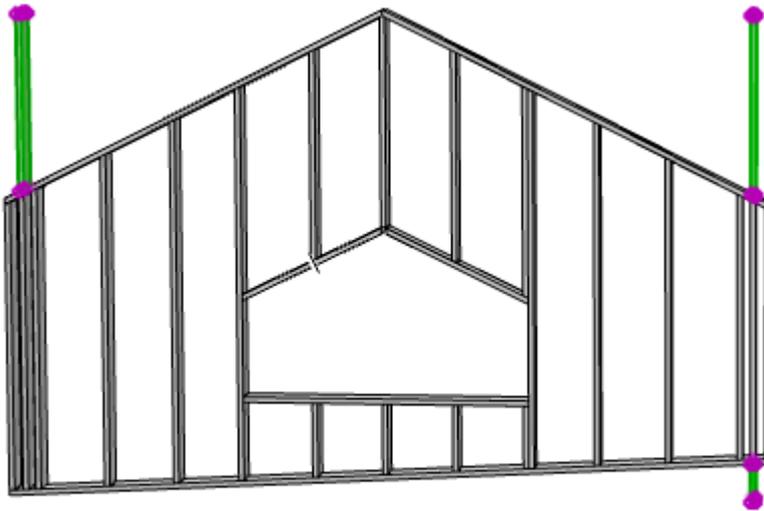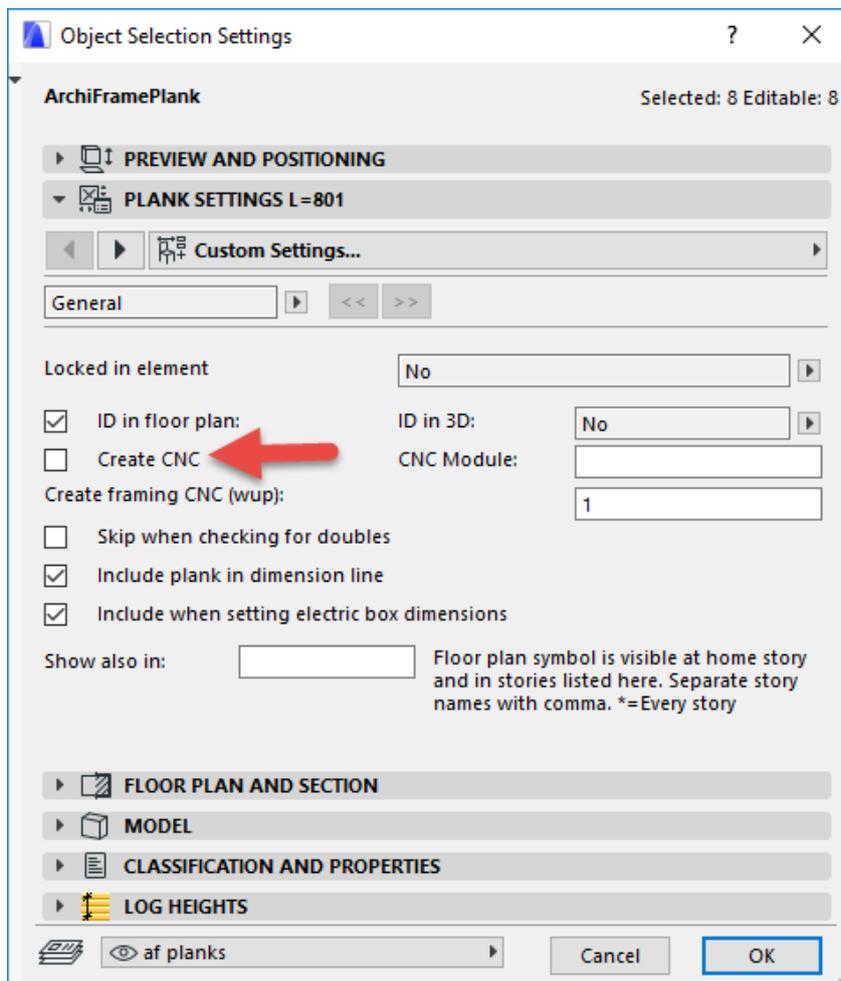

- Fixed beta-feature: Back projections swapped left ←→ right hand side dimension lines. Now work as set in xml-settings.

- 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:
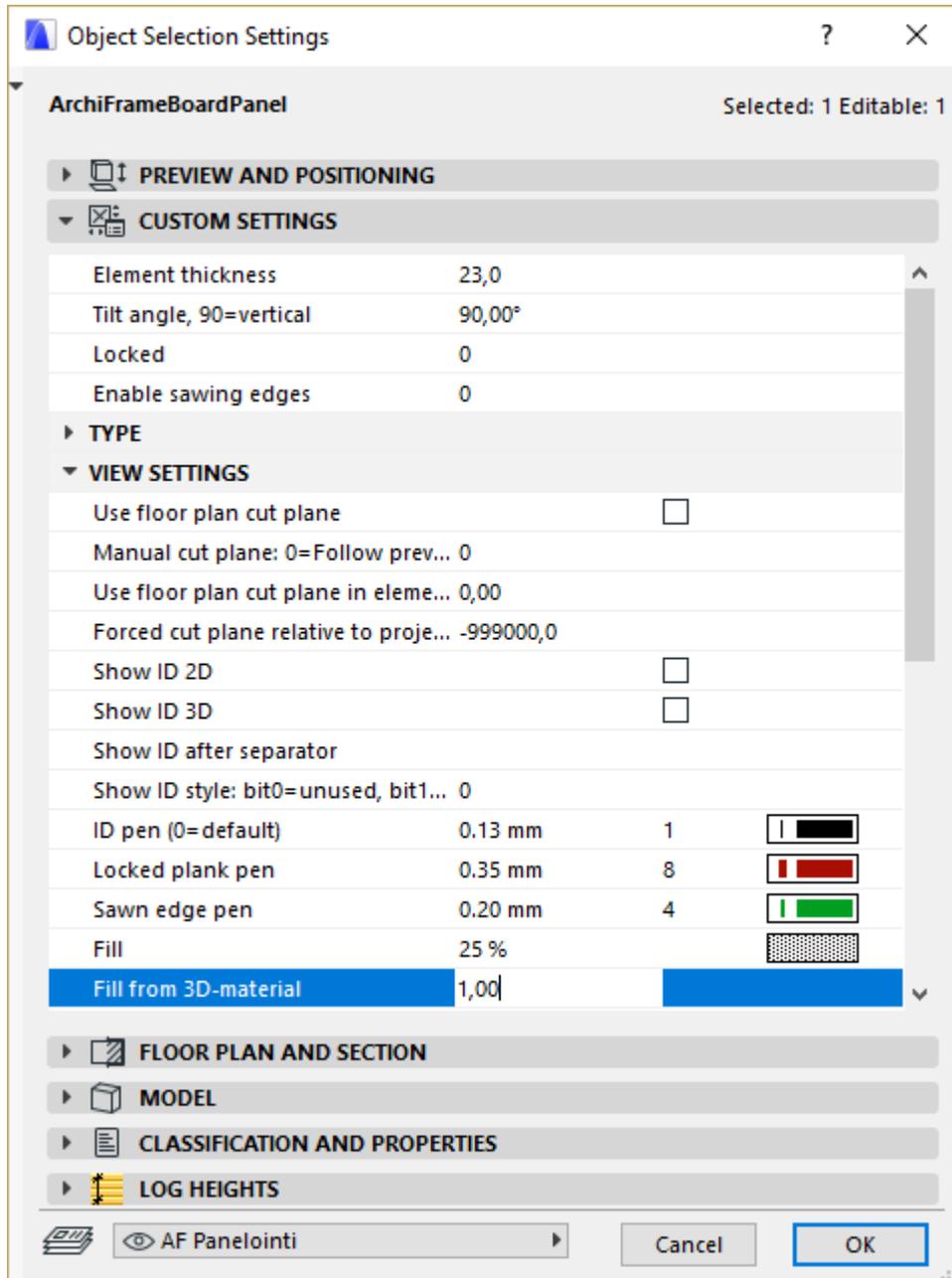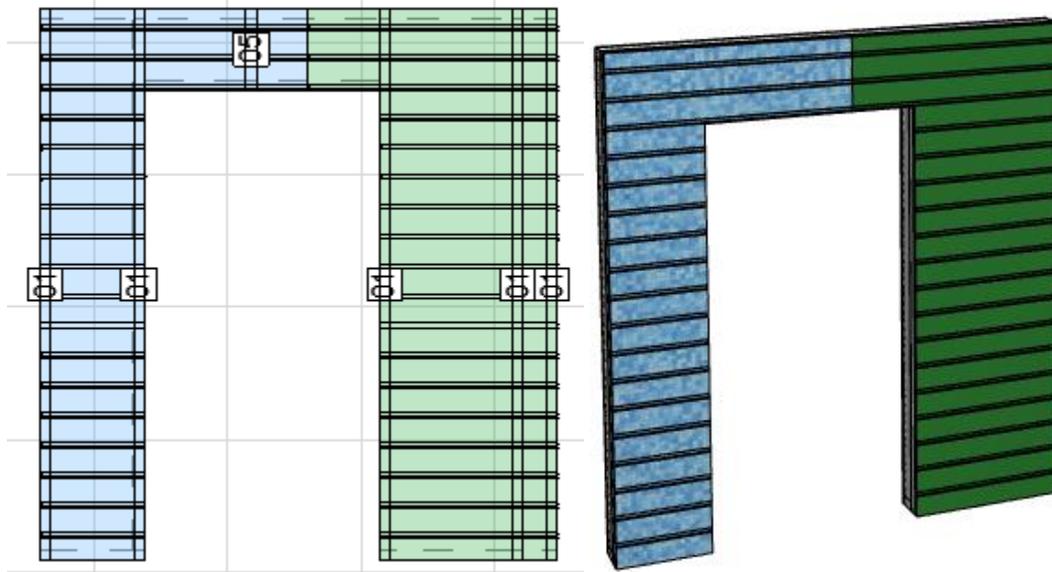
24th April 2018 BETA

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


Old: New:

- 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 ARCICAD-elements for ArchiFrameElement-objects (where the geometry and door&window weights come):
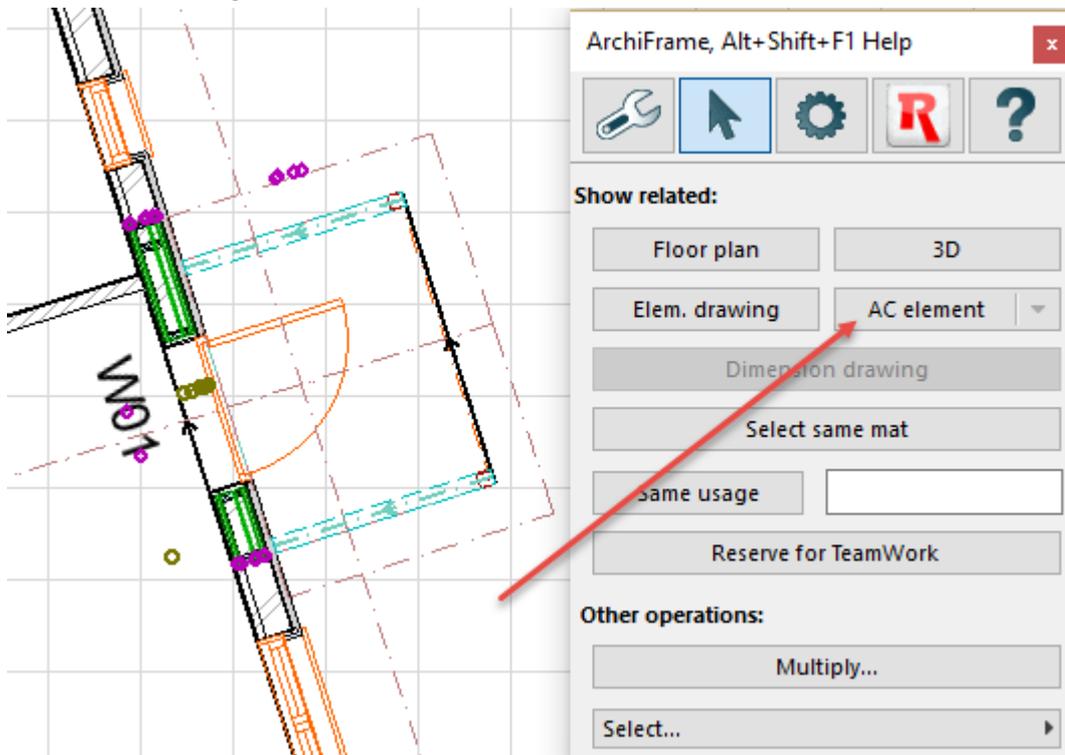
- Element tools/Recreate selected layer only: Now ArchiFrame will not recreate all dimension lines if Update dimension lines-setting is unchecked. Also, it will not recreate all projection pieces when recreating just single layer.

- Plank type field extended to 128 characters from 32 and made wider:
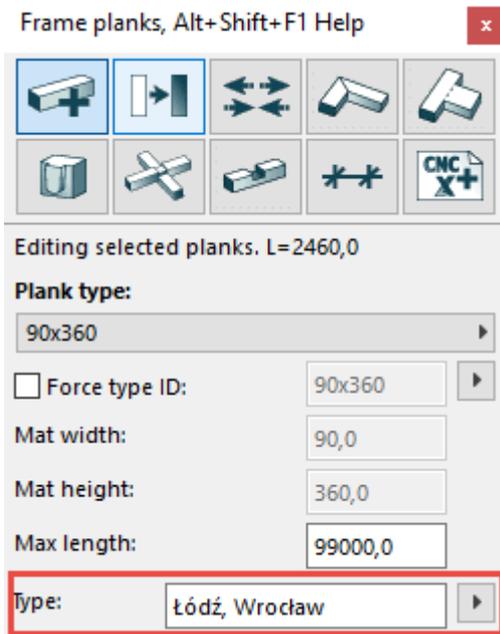
- Lua-scripts: Now it is possible to move information as Unicode/utf8 to Excel.

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:
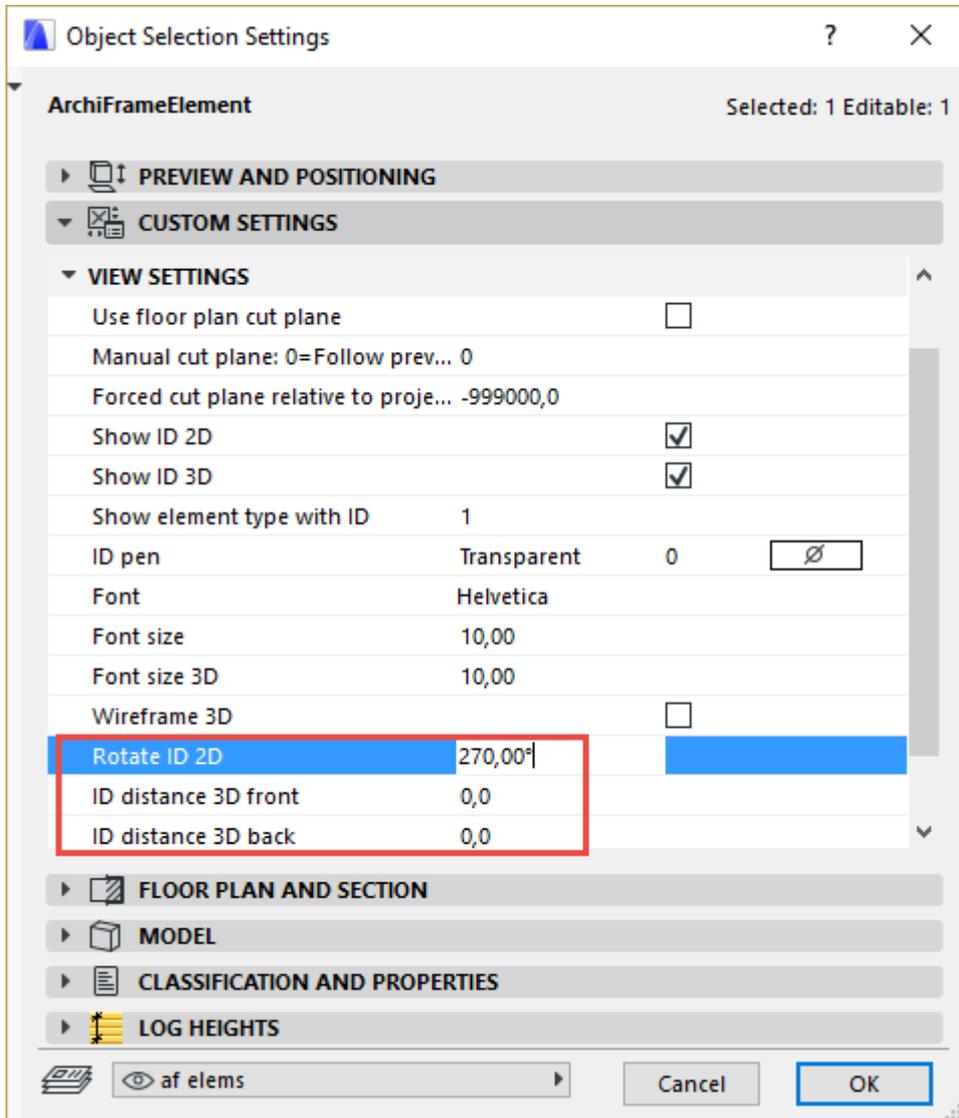

Rot 90:
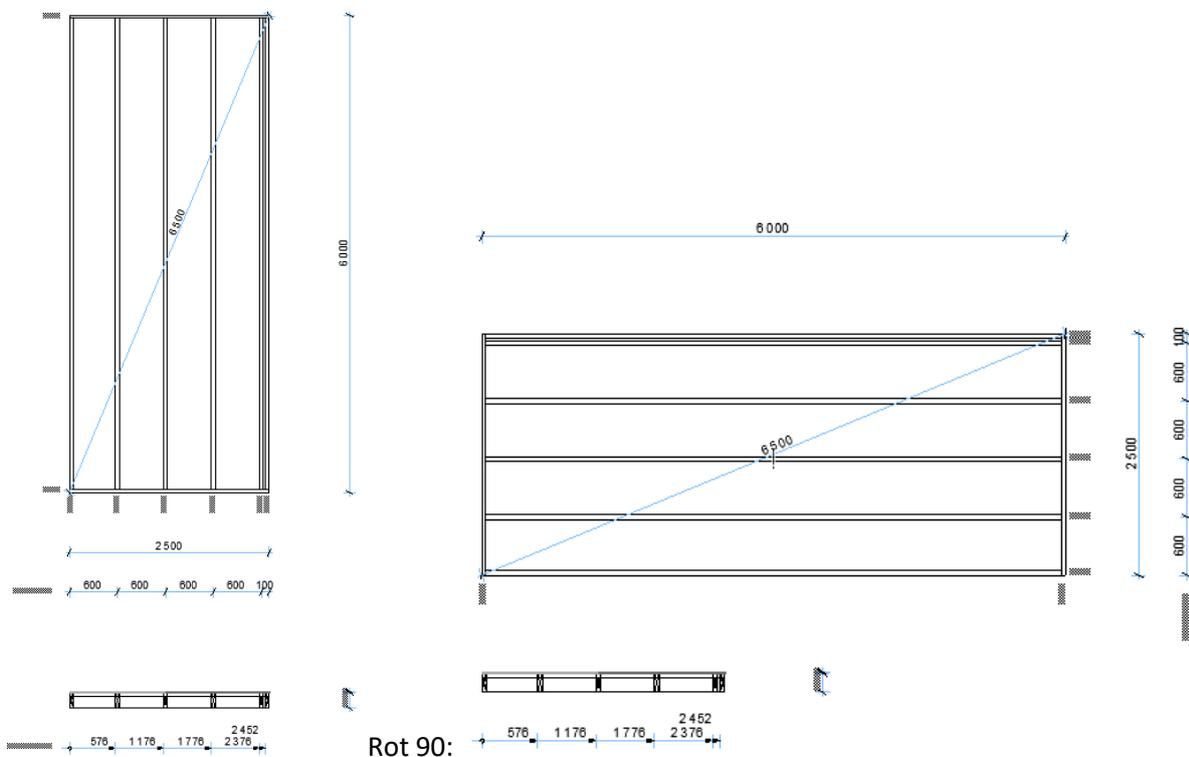
- ArchiFrameElement new parameters:

o ID rotation in floor plan, useful especially with floors:
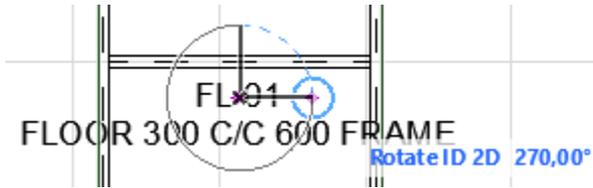
o Option to change ID offset front and back in 3D to make sure it is visible if all structure layers are shown:

- New option for plank:

Object Selection Settings

ArchiFramePlank   Selected: 1 Editable: 1

▶ 🖵 PREVIEW AND POSITIONING

▼ 🖾 PLANK SETTINGS L=2355

◀ ▶ 🖿 All Parameters... ▶

▼ VIEW SETTINGS

Use floor plan cut plane		☐
Manual cut plane: 0=Follow prev...	0	
Use floor plan cut plane in eleme...	0,00	
Forced cut plane relative to proje...	-999000	
Allow mirroring (hotlinks)		☐
Middle line pen	Transparent	0
Middle line line type	Solid Line	
Fill pen	0.09 mm	110
Fill	50 %	
Show ID		☑
ID place -1/0/1	0	
Show ID in 3D	0	
Show length		☐
Show ID after separator		
Show ID style: bit0=left to right, ...	0	
ID generation text		
ID pen (0=default)	0.09 mm	23
Line from ID to the plank in floor...		☑

▶ 🗎 FLOOR PLAN AND SECTION

▶ 🗁 MODEL

▶ 🗎 CLASSIFICATION AND PROPERTIES
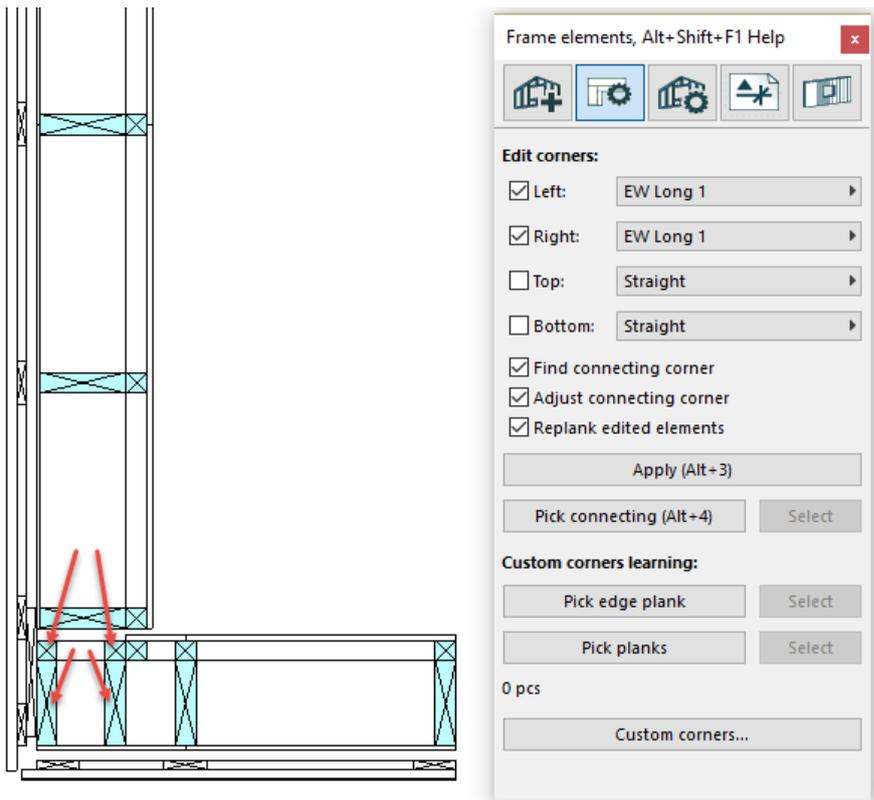
▶ 🗎 LOG HEIGHTS

👁 Yttervegg 1   Cancel   OK

1V5-04

12th March 2018 Beta

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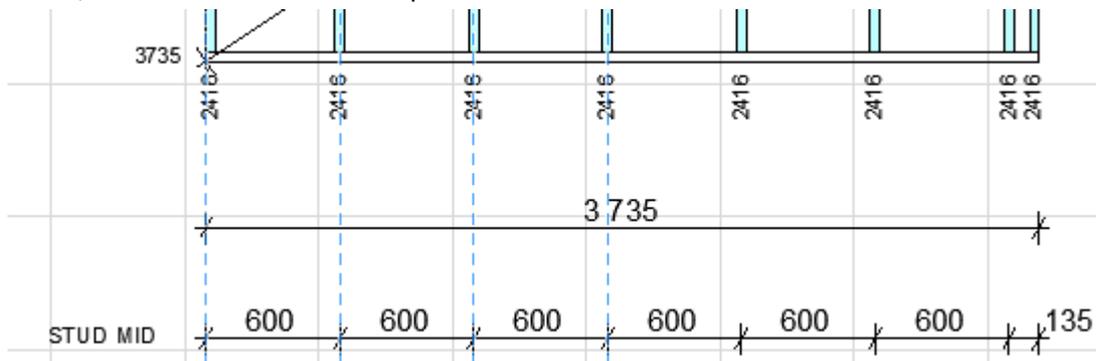

- When mirroring & copying whole element, the planks directions are now maintained relative to the related ArchiFrameElement-object (in walls horizontal pieces' directions are swapped). Gives better results in wup cnc-files.

- New based on type for horizontal framing:
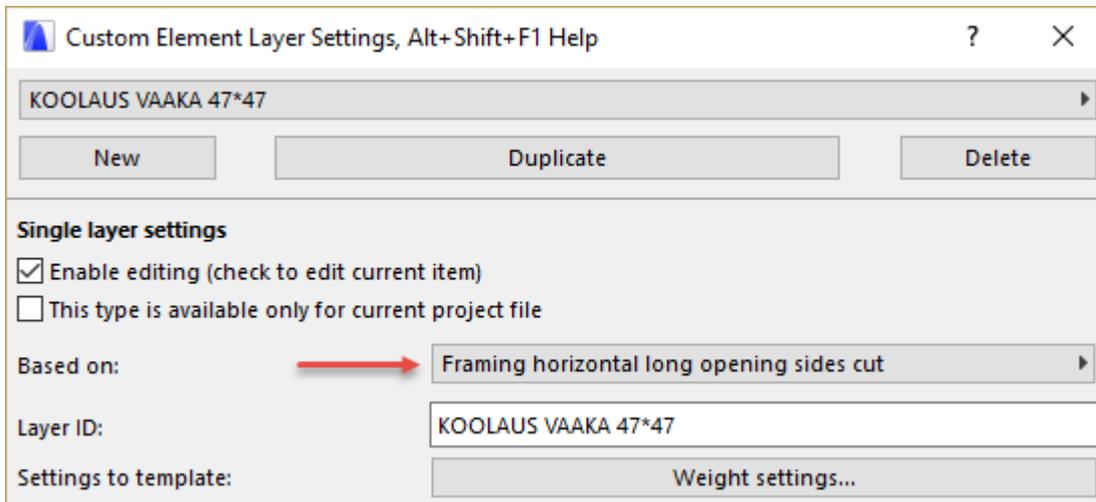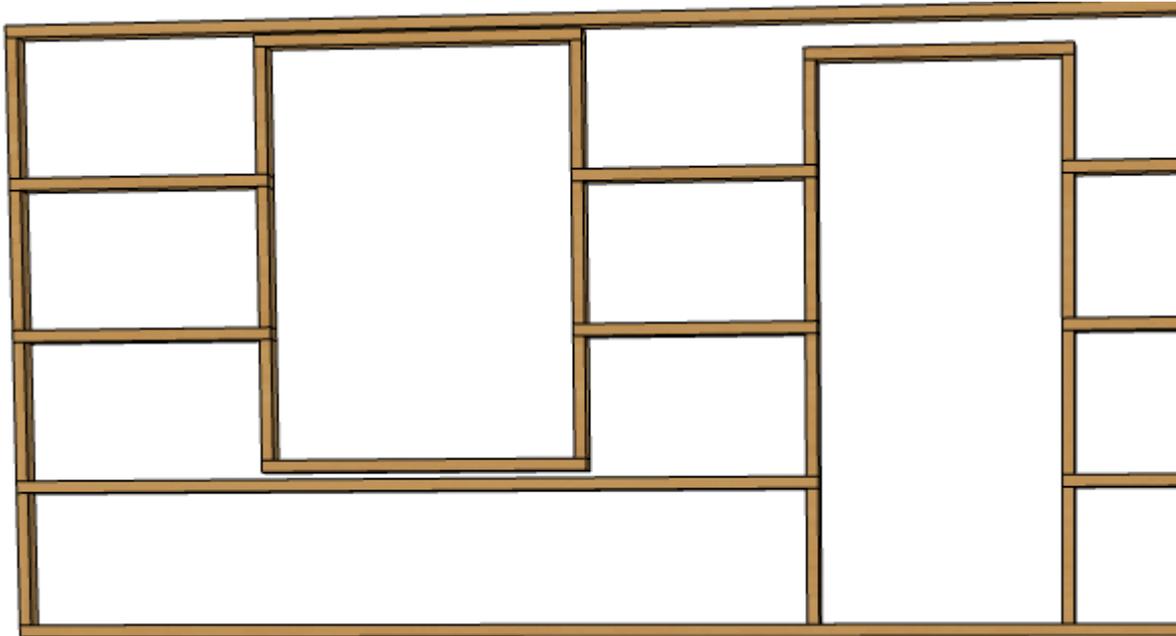
- New framing rules:

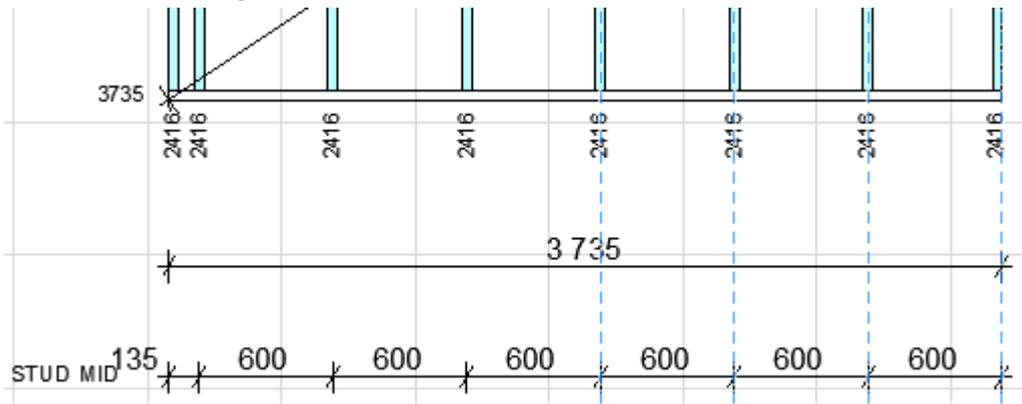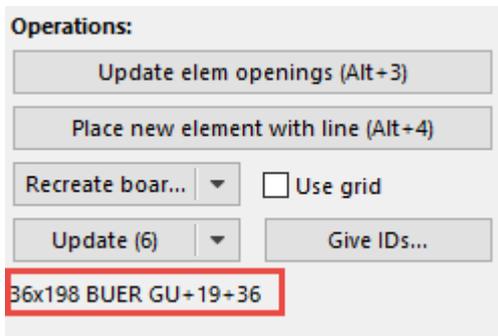   o Value 5, start from left and from top for horizontal structures:

o Value 6, start from right/bottom:

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

o 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... ▶
- Oletus
- Element listing
- ✓ CSV Elements for transportation
- ArchiLogs buck list
- Weatherboards

CNC-Kirjoittaja:

Oletus ▶

	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):
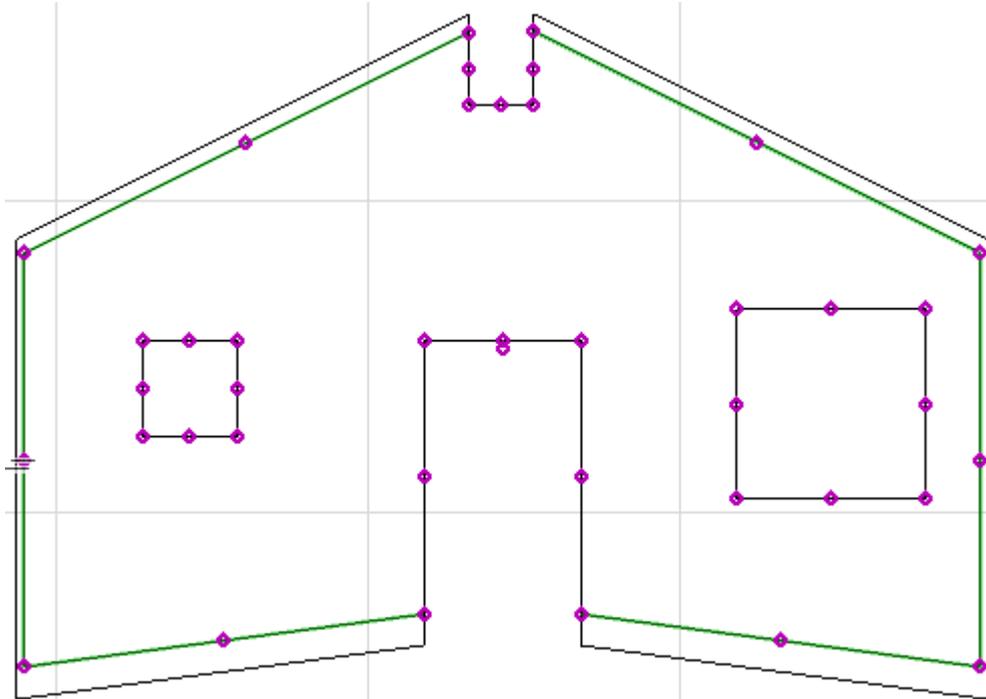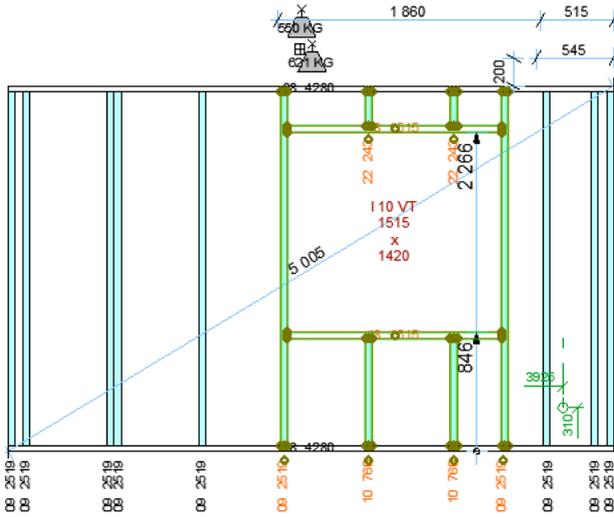

- Bug fix nailings: If ArchiFrame had to tweak spacing to avoid two nailings too close to each other it may have caused nailing missing from the end. Now the nailing is forced at the end (as point nailing) if the distance

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

OLD:

NEW:
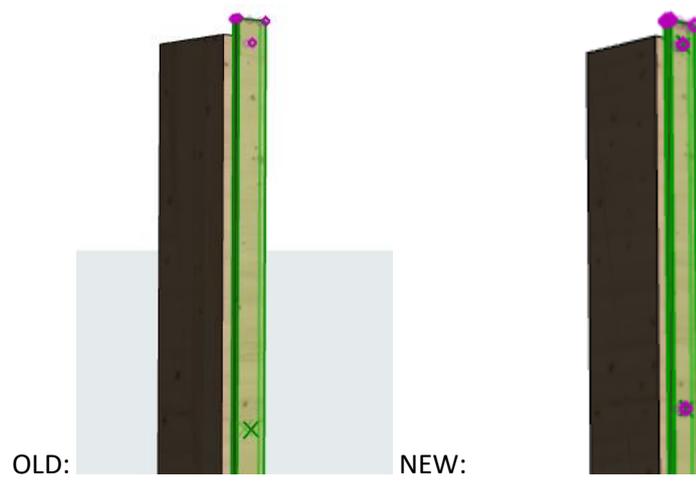
- Wup-cnc output modules:

Object Selection Settings

ArchiFramePlank — Selected: 8 Editable: 8

▶ PREVIEW AND POSITIONING

▼ PLANK SETTINGS L=2519

◀ ▶ Custom Settings...

General

Locked in element	No

☑ ID in floor plan: ID in 3D: No

☑ Create CNC CNC Module: WIN1

☐ Skip when checking for doubles

☑ Include plank in dimension line

☑ Include when setting electric box dimensions

Show also in: Floor plan symbol is visible at home story and in stories listed here. Separate story names with comma. *=Every story

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

File Edit Effects Parameter View Window Extras ? Refresh

Search

side
beam-section

Position

elements
MODUL

```
QS      2519, 48, 198, 4232, 38, 1, F14-09, 0;
MODUL   1611, 2519, 198, 1927, 38, WIN1, 0;
QS      2519, 48, 198, 0, 0, 1, F14-09, 0;
LS      1515, 48, 198, 48, 760, 1, F14-18, 0;
LS      1515, 48, 198, 48, 2228, 1, F14-18, 0;
QS      760, 48, 198, 600, 0, 1, F14-10, 0;
QS      243, 48, 198, 600, 2276, 1, F14-22, 0;
QS      760, 48, 198, 1200, 0, 1, F14-10, 0;
QS      243, 48, 198, 1200, 2276, 1, F14-22, 0;
QS      2519, 48, 198, 1563, 0, 1, F14-09, 0;
ENDMODUL  1611, 2519, 198, 1927, 38, WIN1, 0;
TXT     --- EXT LAYER 1 ---;
```

data file information VERSION

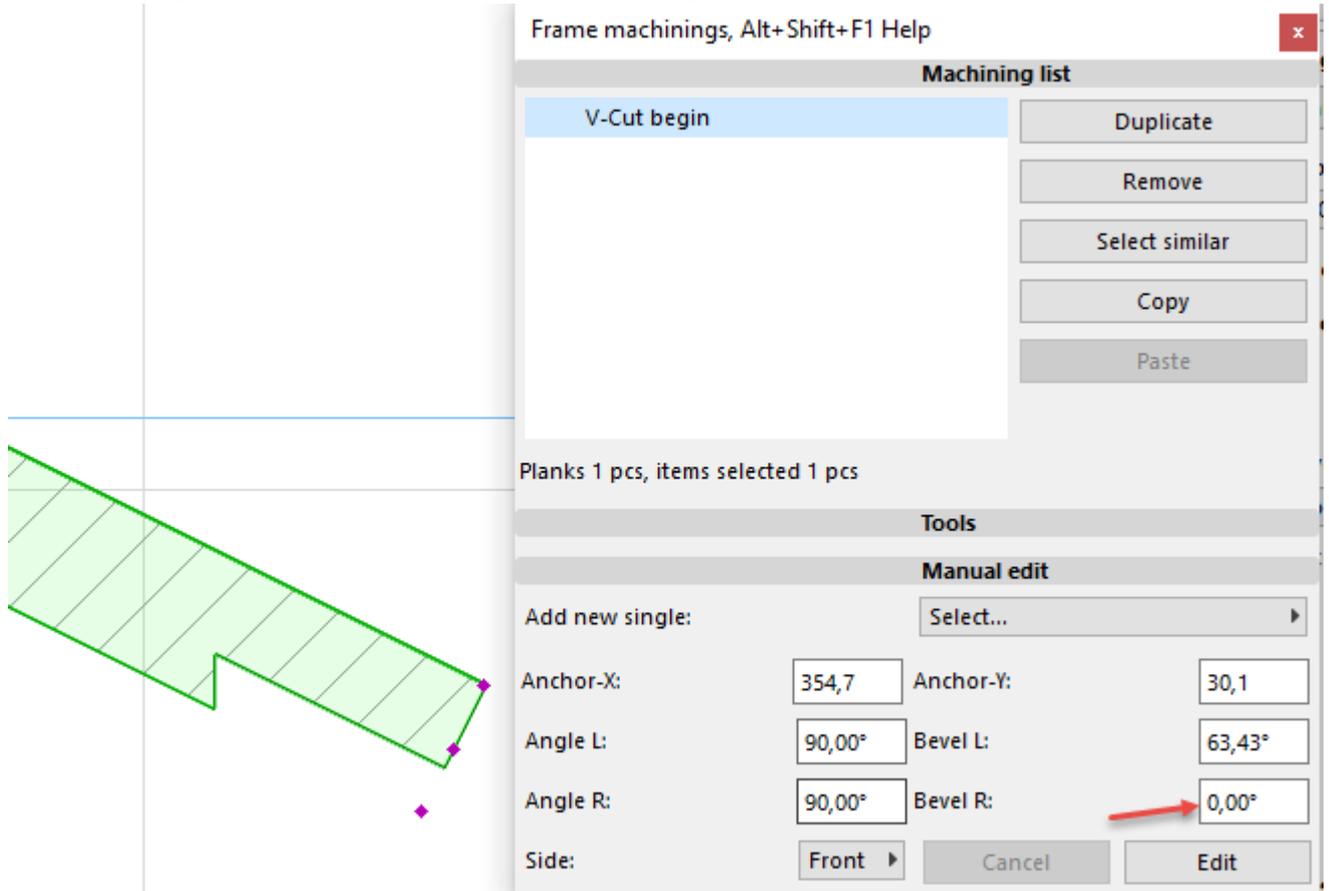|	
File name:	
Order:	
Name:	F14
Length:	4280
Width:	2595
Height:	198
drawing:	

element information

F1 F2 F3 F4 F5 F6 F7 WUP F8 F9 TXT// F10

Ready x: 52, y: 2602, z: 0

- 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:

  - 0, let ArchiFrame update content and position
  - 1, full manual – ArchiFrame will not to touch it
  - 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.

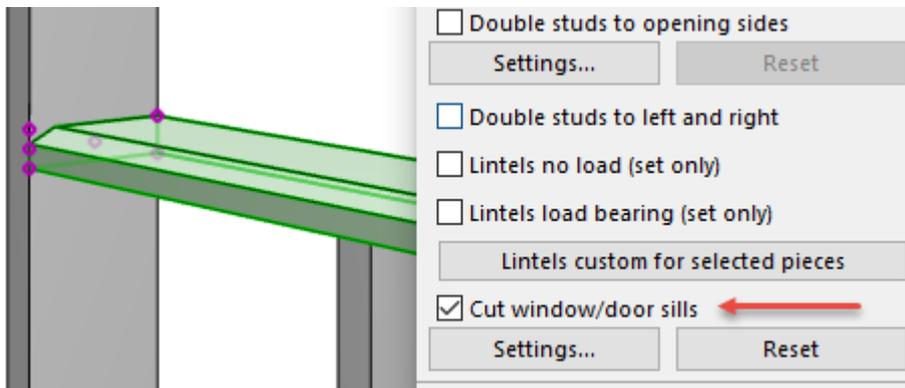- New option to set the ID text position for top&bottom plate markings:
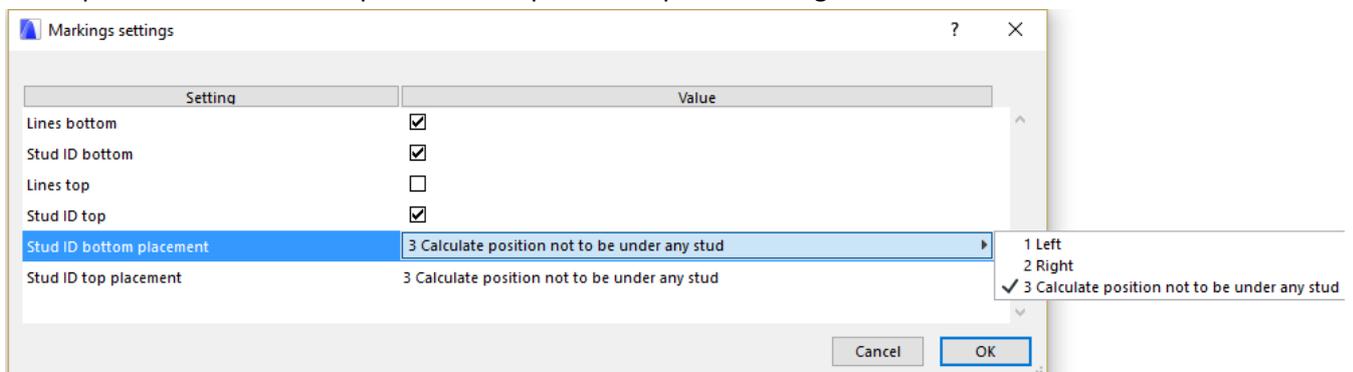
- Weinmann BTL-writer as new option for CNC-target. Does not include 3D geometry and works better with Weinmann's WupWorks.
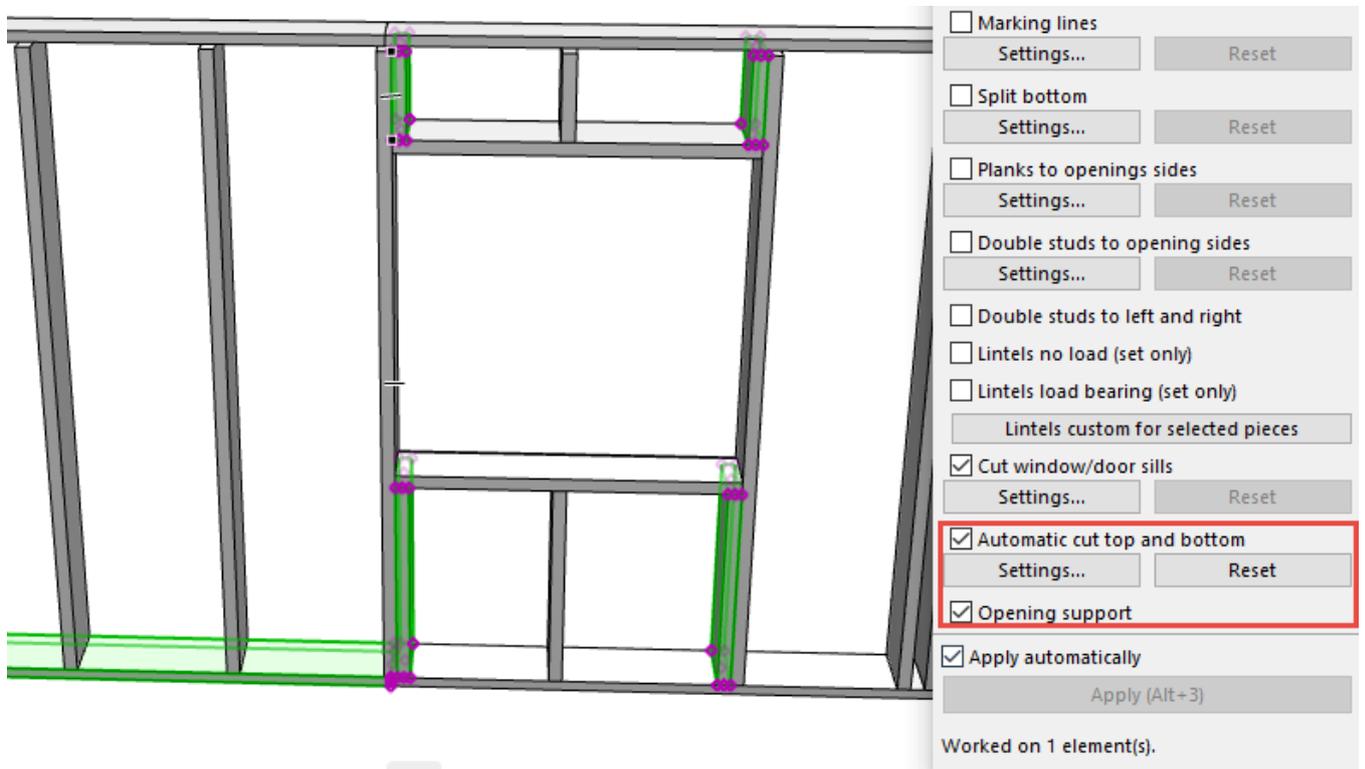
- Board nailings improvements:

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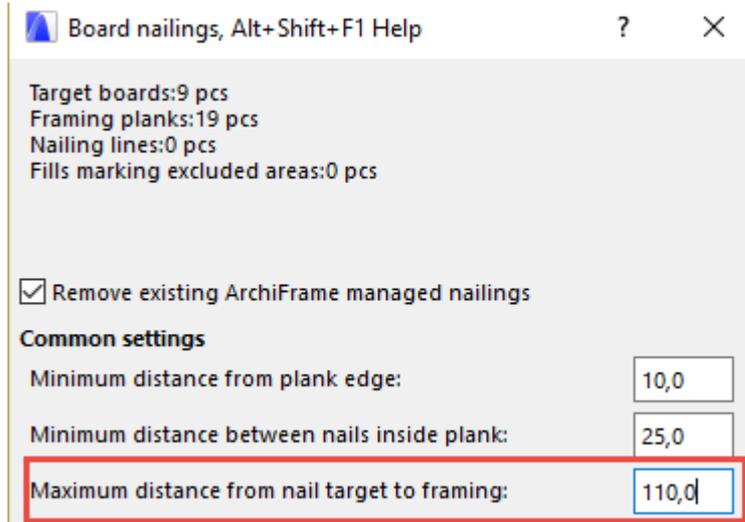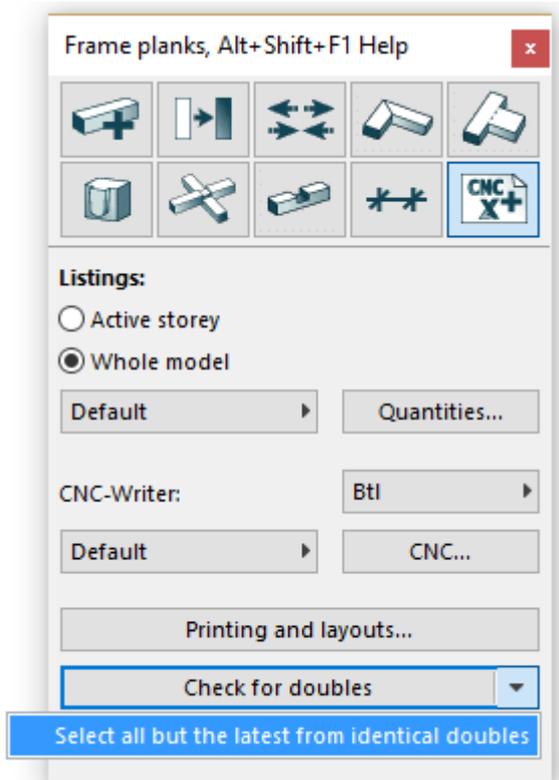

- New option to make these cuts:

- 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):
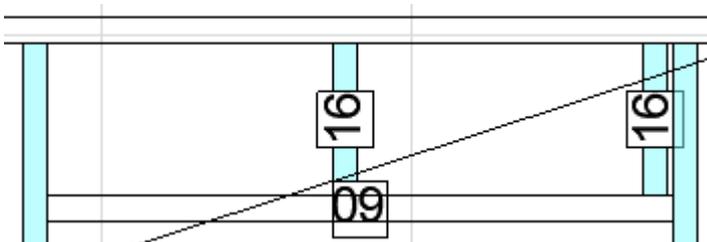
- More Hundegger bvn-saving options, please see manual part "11.11 Hundegger bvn-saving options"

| 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:
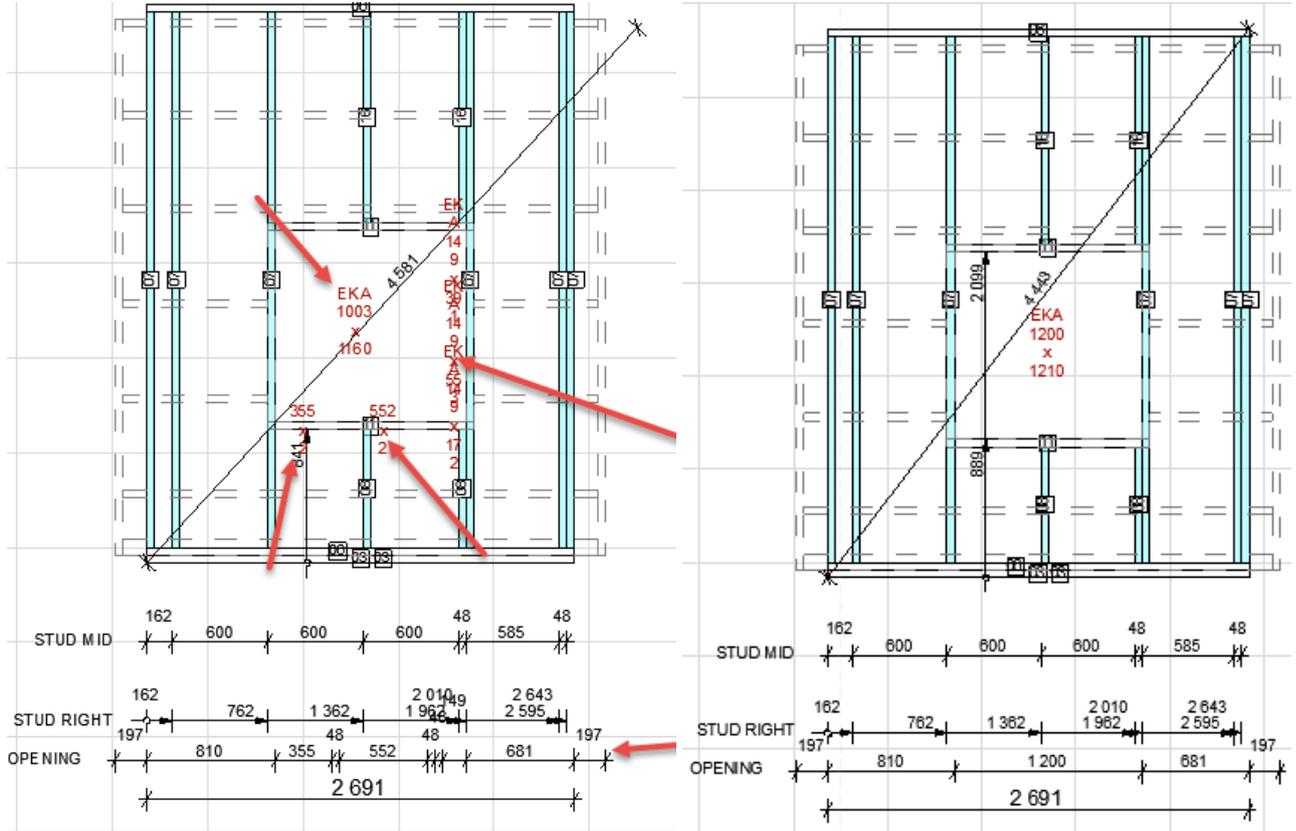
- New projection types to flip x-coordinates in ArchiFrameElements.xml projection definitions: "topflipx" and "bottomflipx" (upper is top and lower is topflipx):
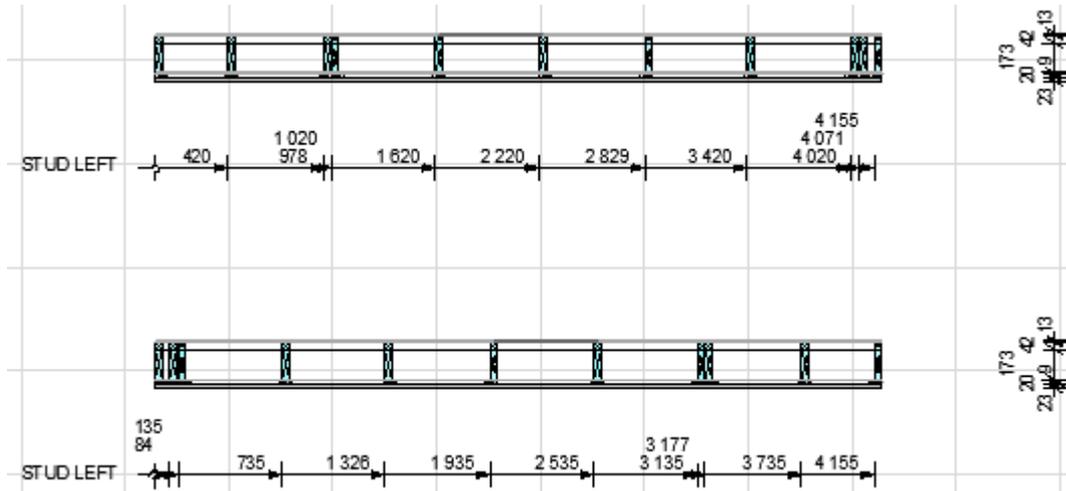
- Layout: Now the placed drawing's name is set to element id. That can be used for example in associated master layout stamp:
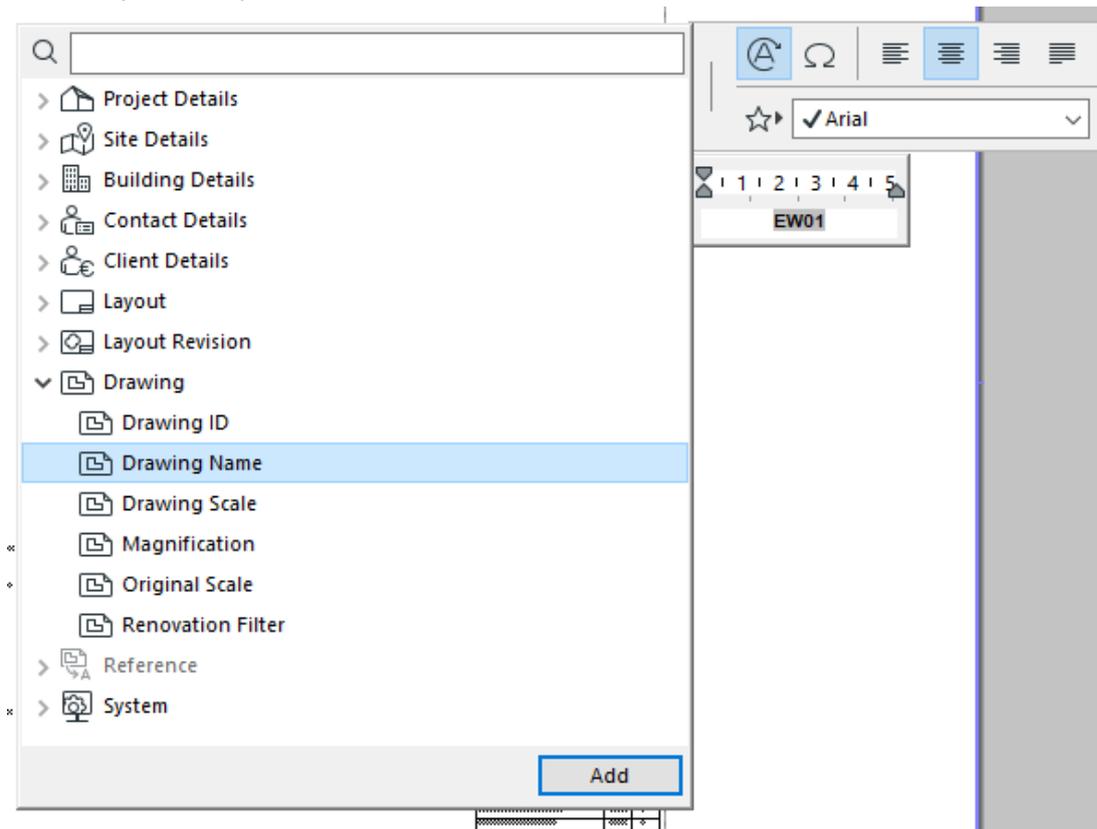

- Element elevations: Text markings, please see Manual part 16.2.9 Projections/static texts

- 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
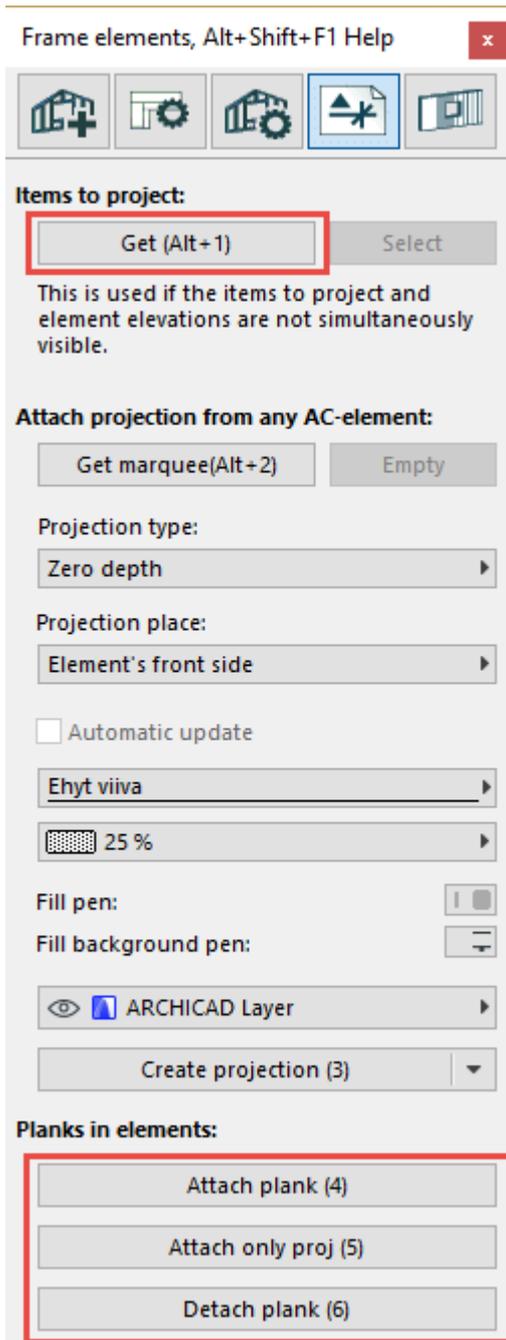

- Bug fix: Applying element edge offsets may have produced incorrect results if some of the layers were rotated.

- 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).
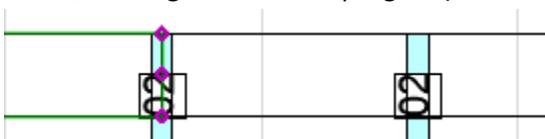
The groove extension is done by setting 100 mm oversize end to the beam. If the beam is shortened byt still

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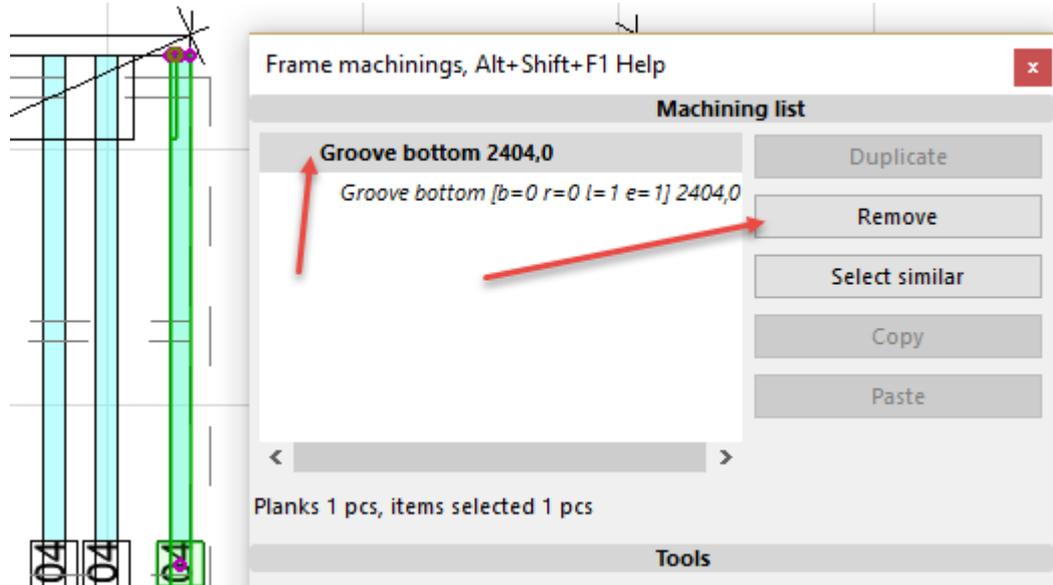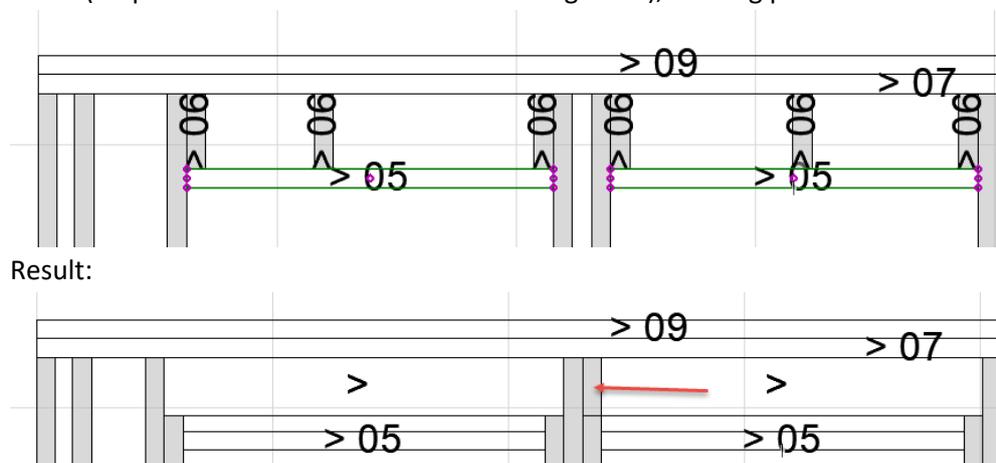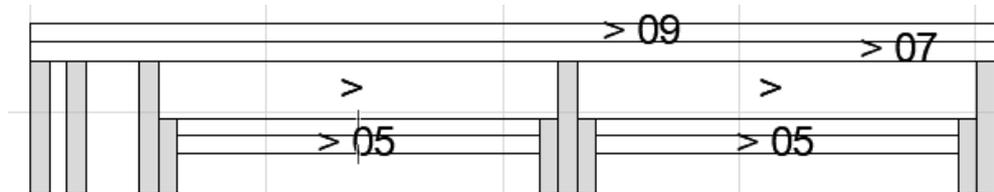

27th October 2017

- 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:
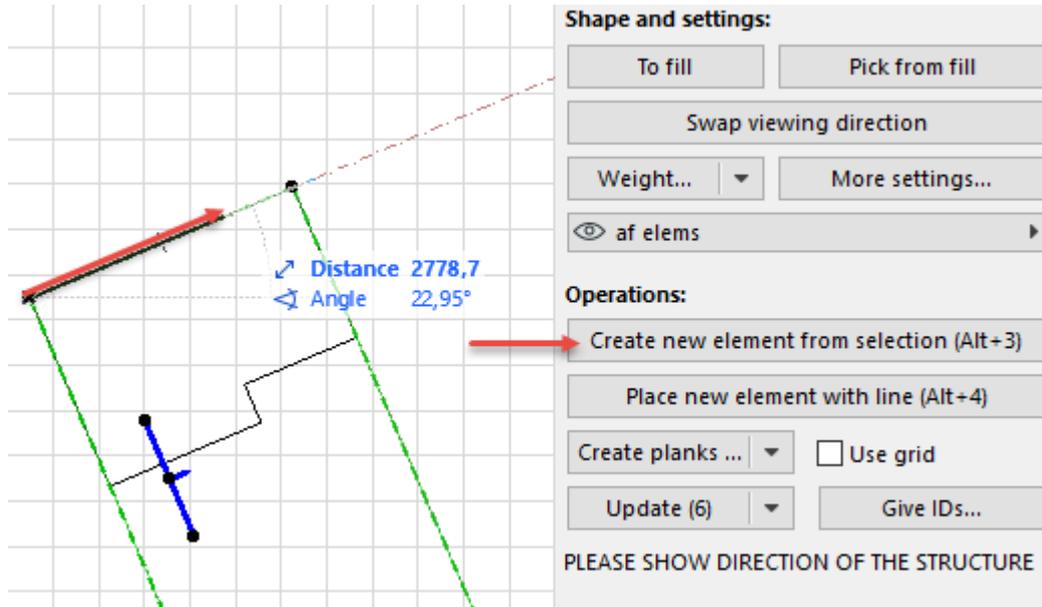

Result:

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:

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:

  o Add new pieces and make sure their ID is cleared

  o *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:
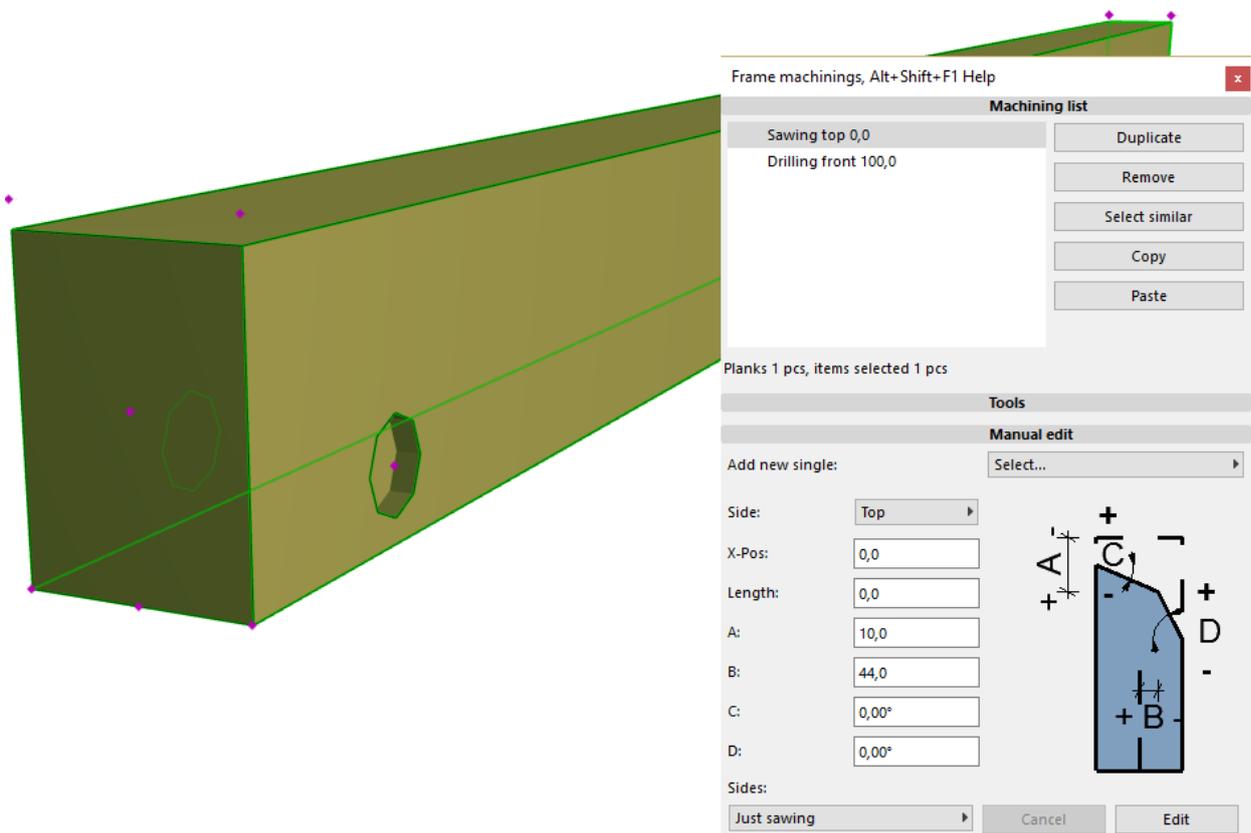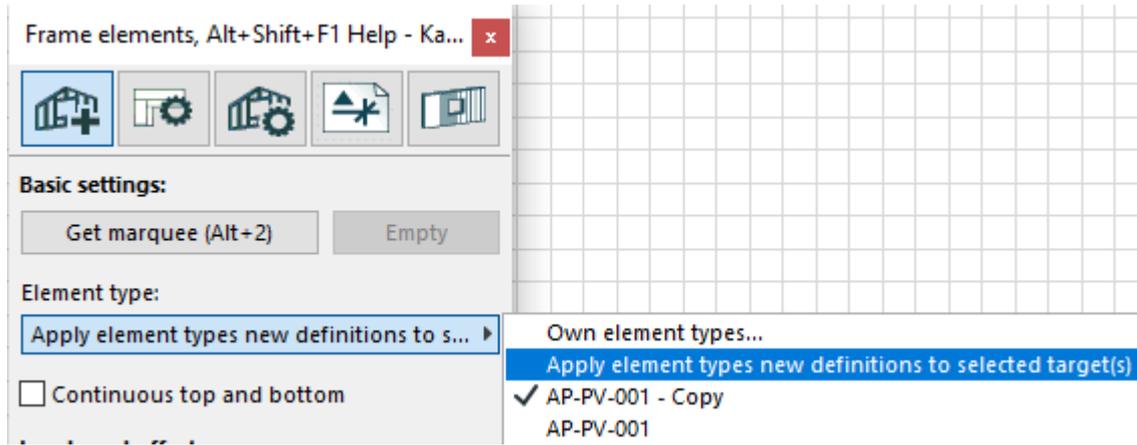

20th September 2017

- Supports Archicad 21!!

- ArchiFrame Model View options:
  ArchiFrame has its own settings here (Document-menu/Model View/ Model View Options):
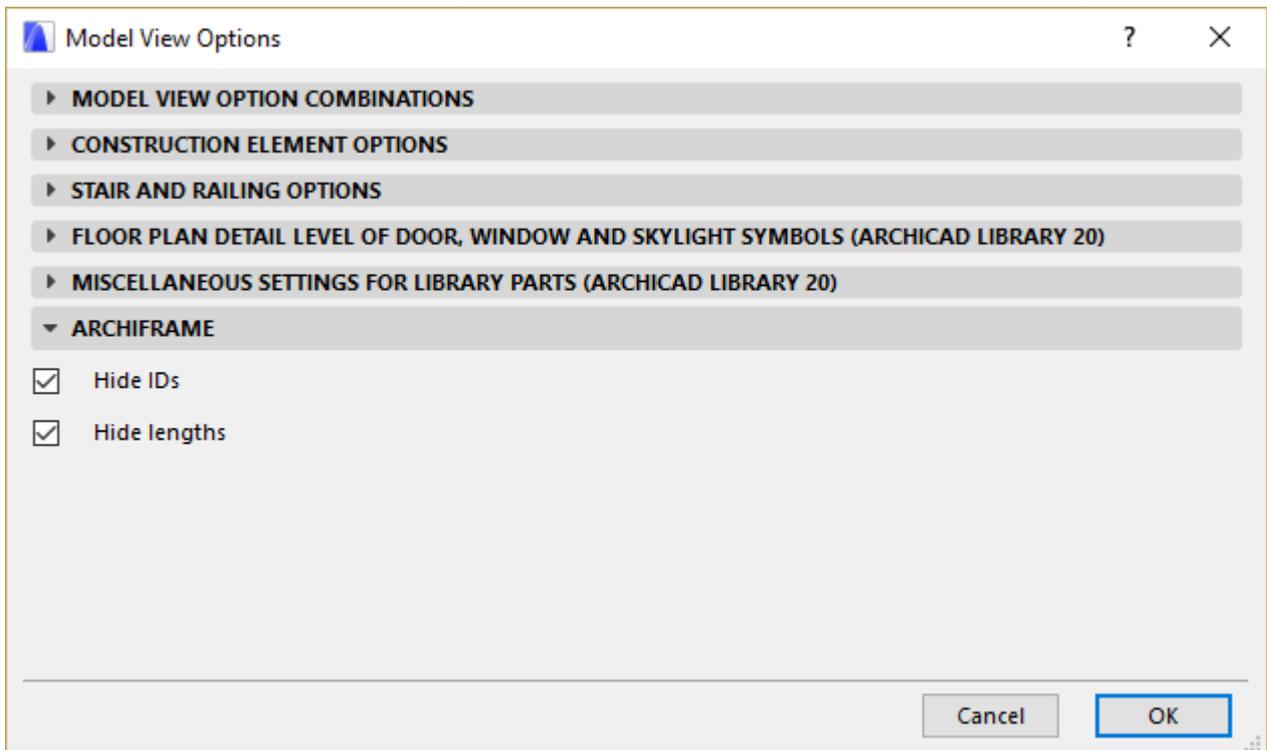
These options can be used for special cases. These options are saved and applied by Archicad views.

- 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:
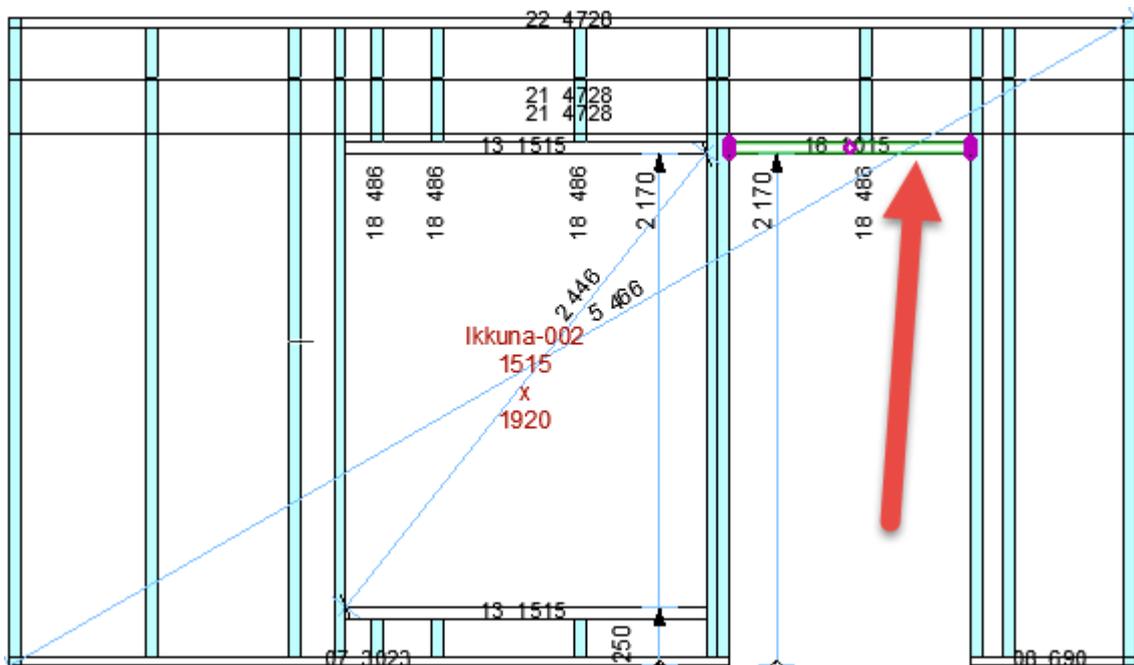

- Possibility to skip planks in *Check for doubles*. ArchiFrame does just full plank collision checking skipping possible cuts and grooves:
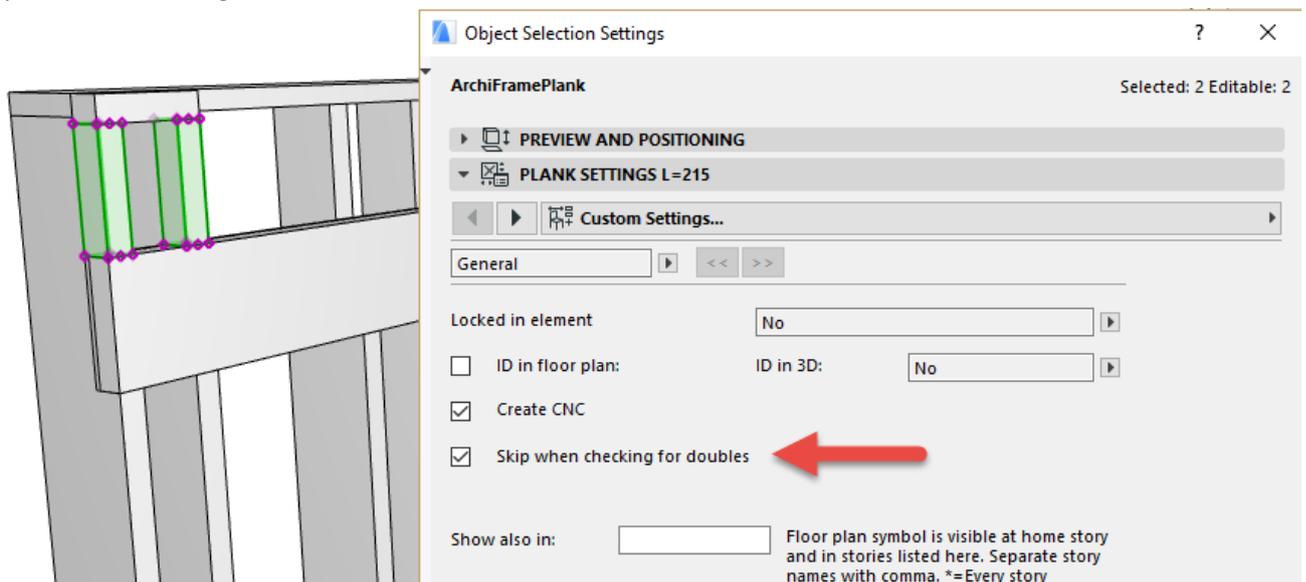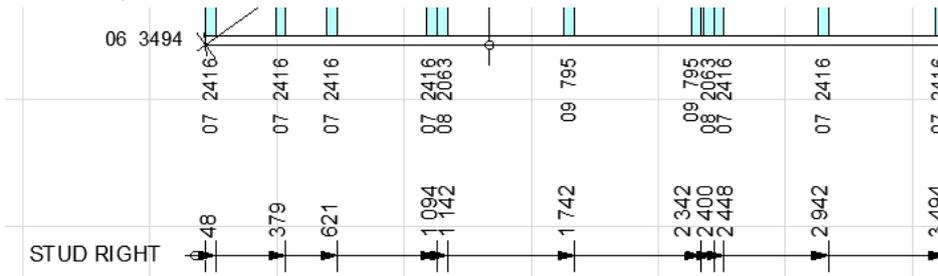
- Automatically updating layouts – please see manual section 11.9 Printing and layouts

24th August 2017

- Possibility to have individual dimension lines for openings – requires editing xml-files. Please see section *16.1.11 Openings dimension lines* from the manual:
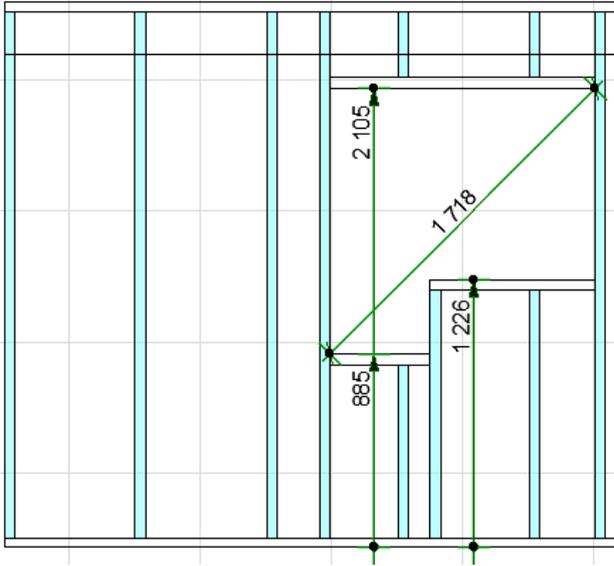

- Possibililty to rotate dimension line texts. Please search for text textrot from the manual:


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

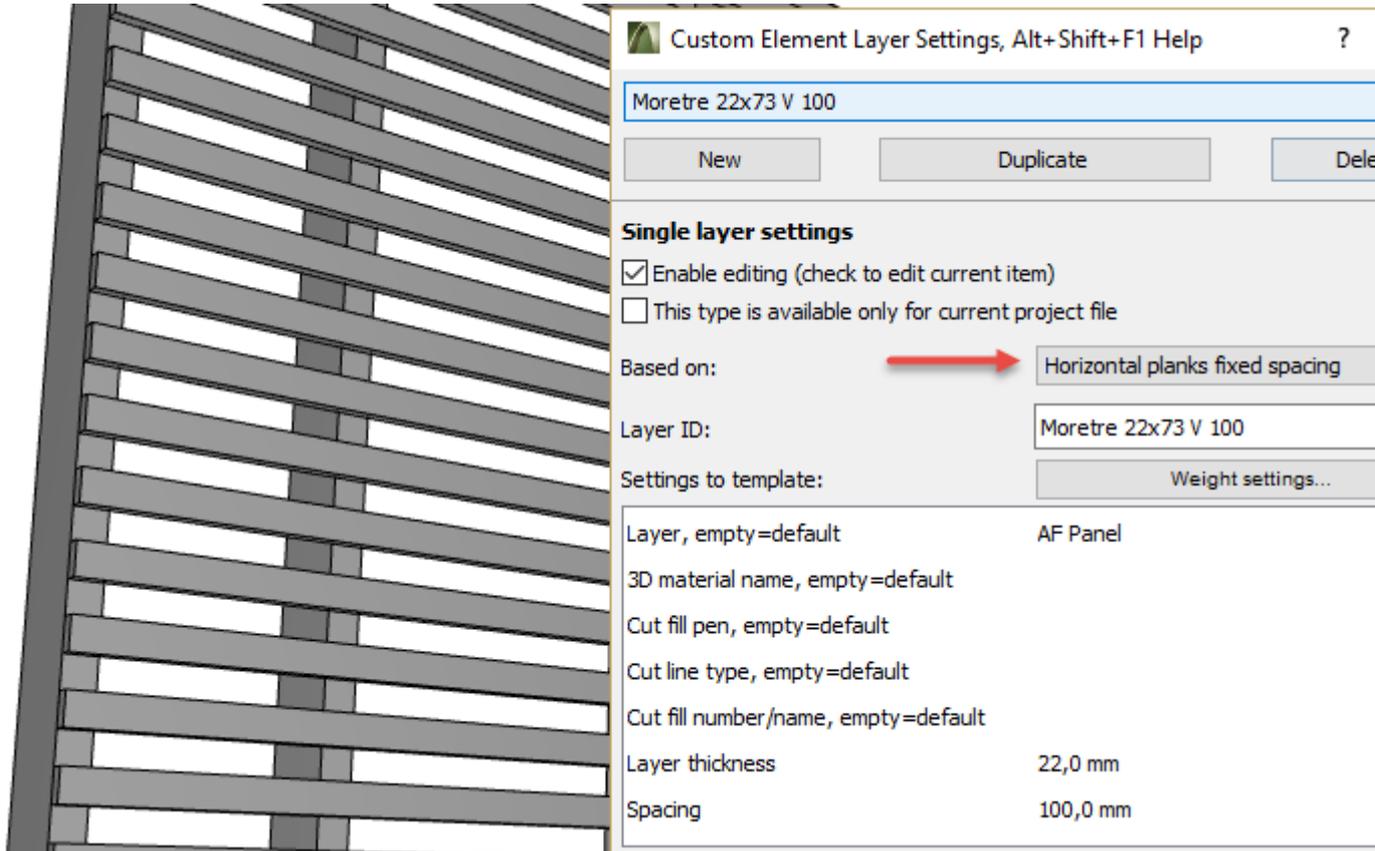| Show center of gravity	Possible values are: • 0, do not calculate • 1, show the real position of the center of gravity • 2, show above the elevation • 3, show above the elevation and show separate value calculated without doors&windows if different

809 KG
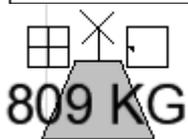
5th July 2017

- 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.
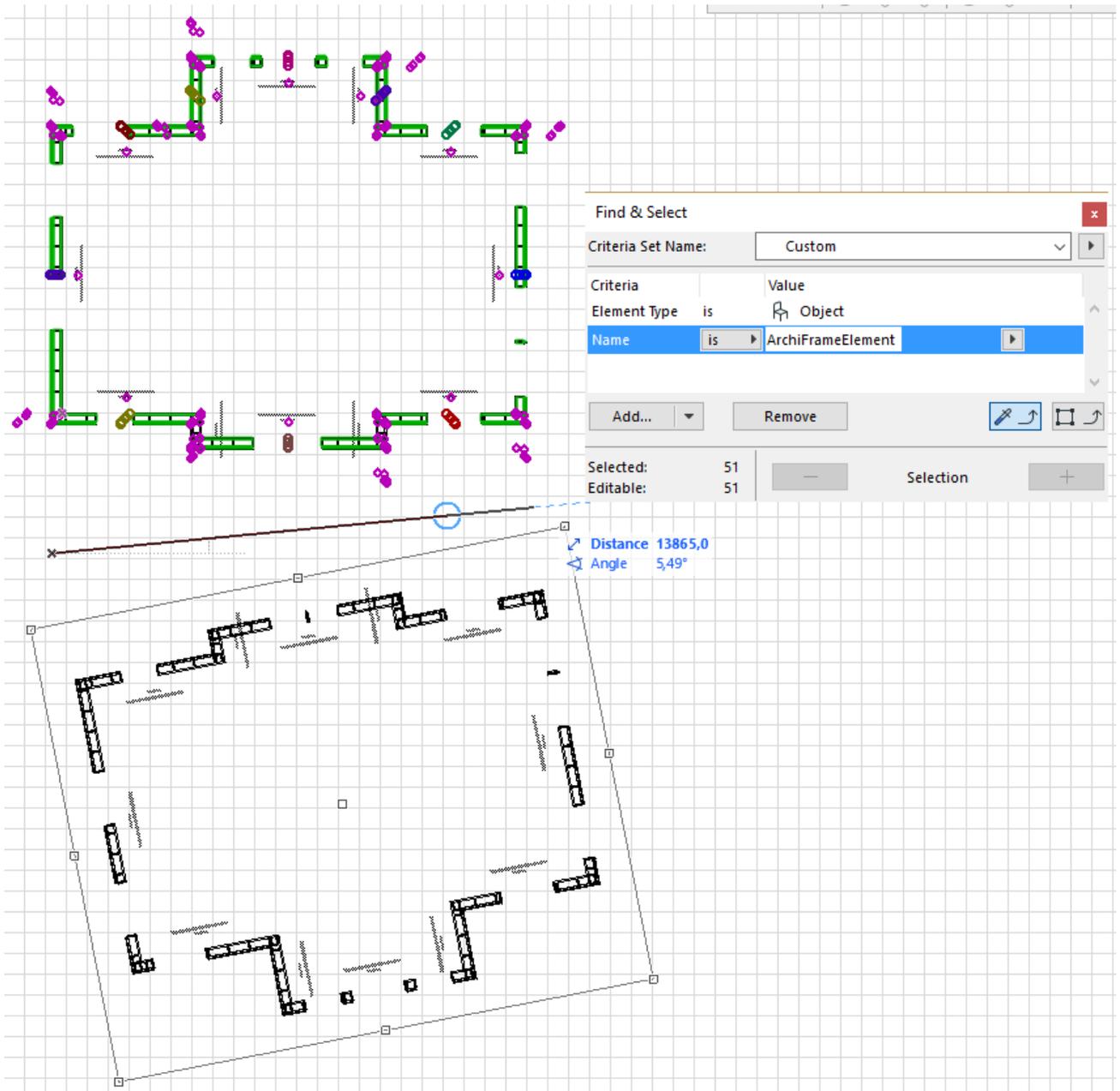

- Also these copy commands will work: Drag a copy, rotate a copy.

- 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:

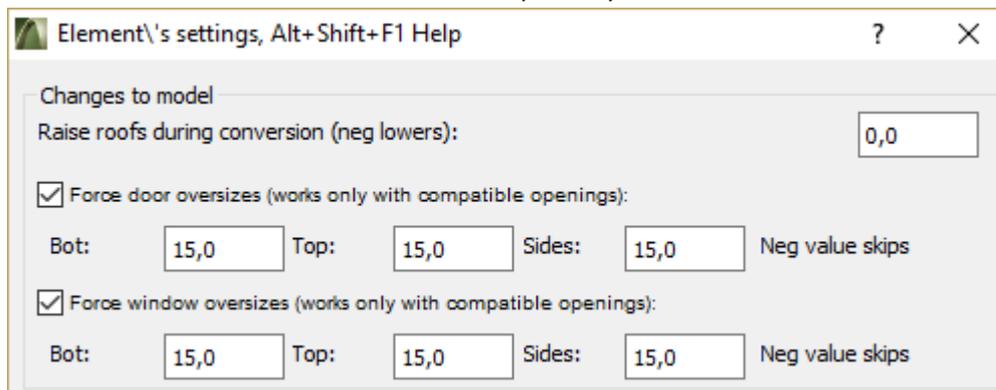- New based on types for horizontal and vertical fixed spacing cladding:

- Changing line type/pen in projection will remain even after updating the element:
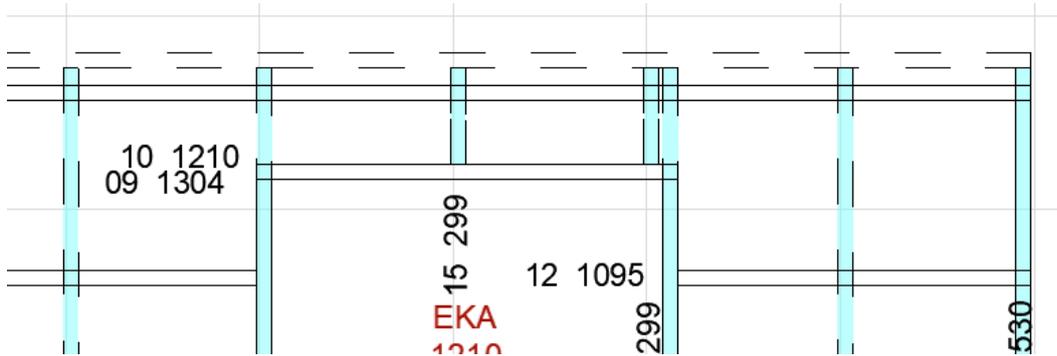
12th June 2017

- 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:

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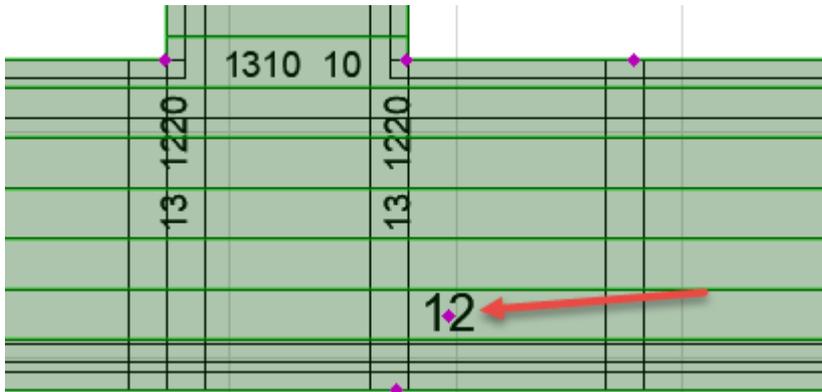

- Back projection IDs now correctly orientated:
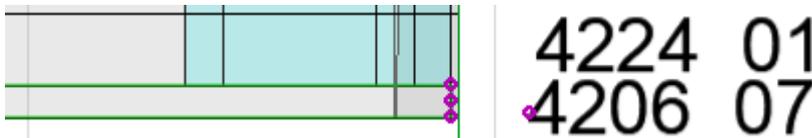
- Cutlist grouped two different shape boards together if they had exactly same area.

- 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:
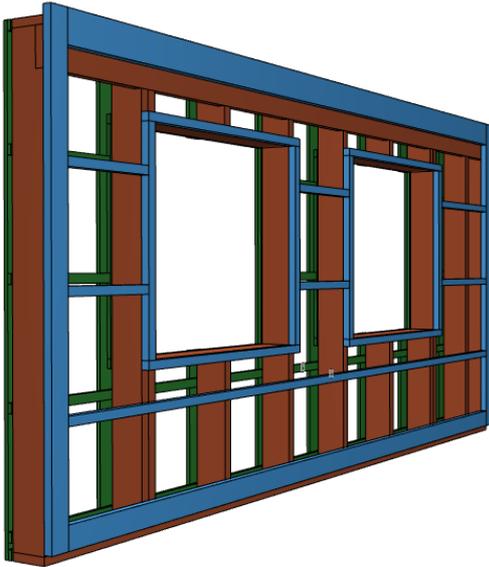

- More flexibility to make customer specific changes to data-folder. Please see part "3 Getting started: entering main settings and setting up the material list" from the manual.

- Selection tool has options when selecting related ArchiFrameElement-object(s):
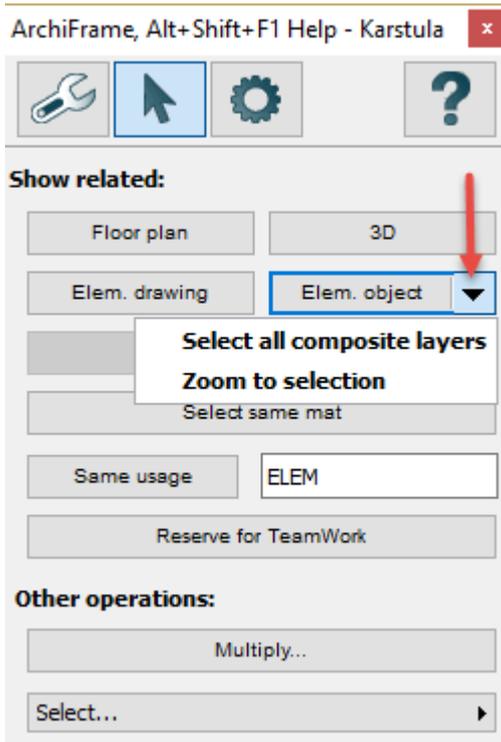
- Dimensioning tool took hotspots outside the plank/board, now limits to hotspots inside the piece:
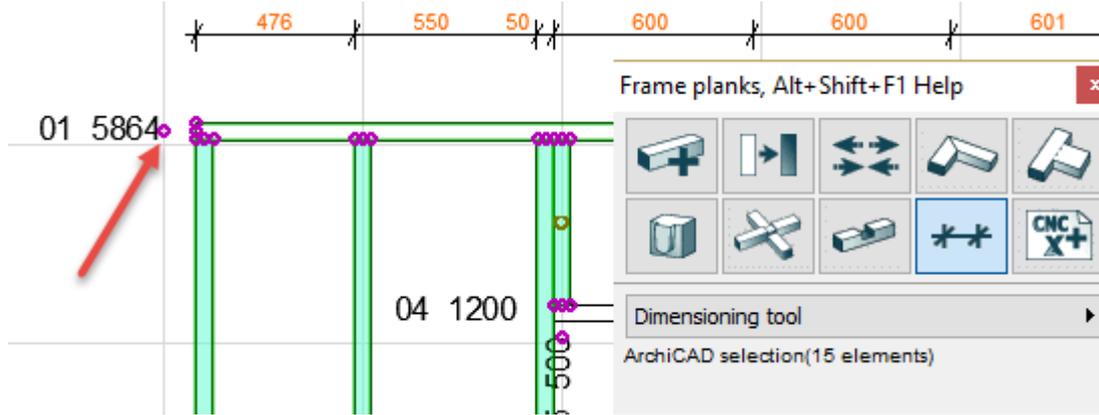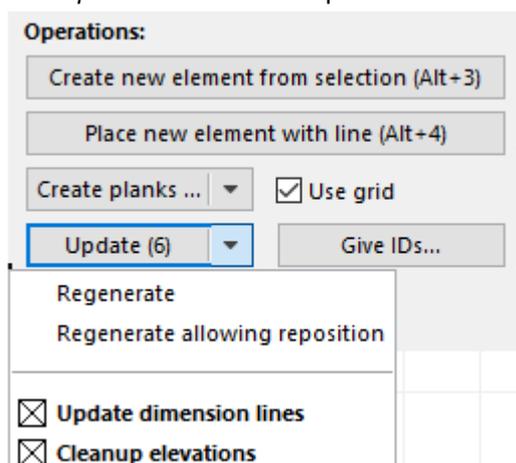

- All layout settings are saved/restored into preferences:
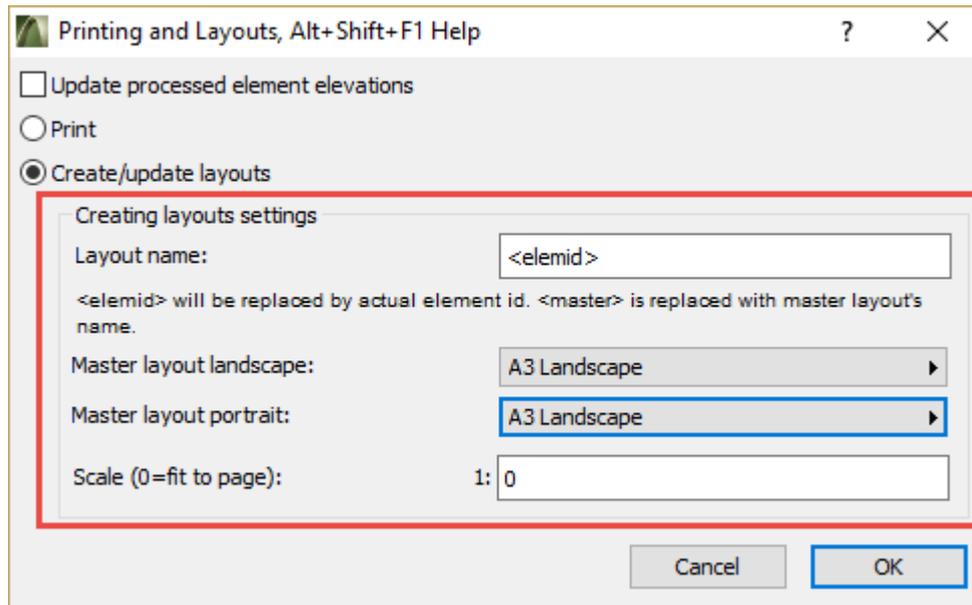

16th February 2017

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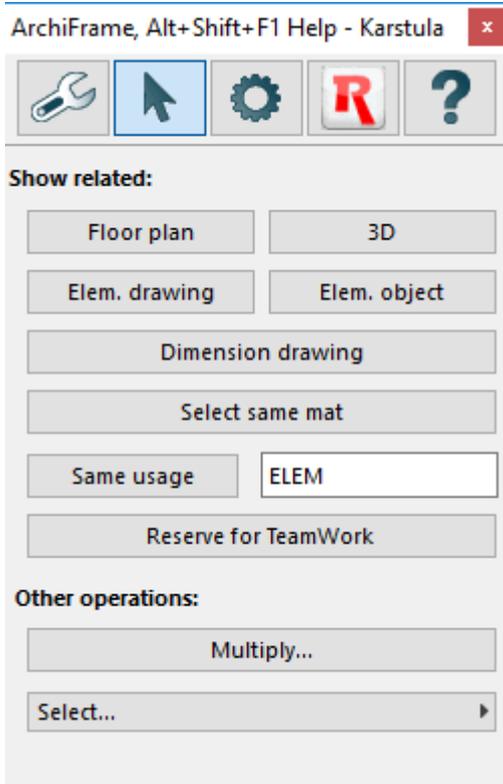
- Lintels next to the opening and marking grooves: Old version did not apply any oversize to the groove and that left a marking groove depth size leftover to the stud over the opening:

OLD: NEW:
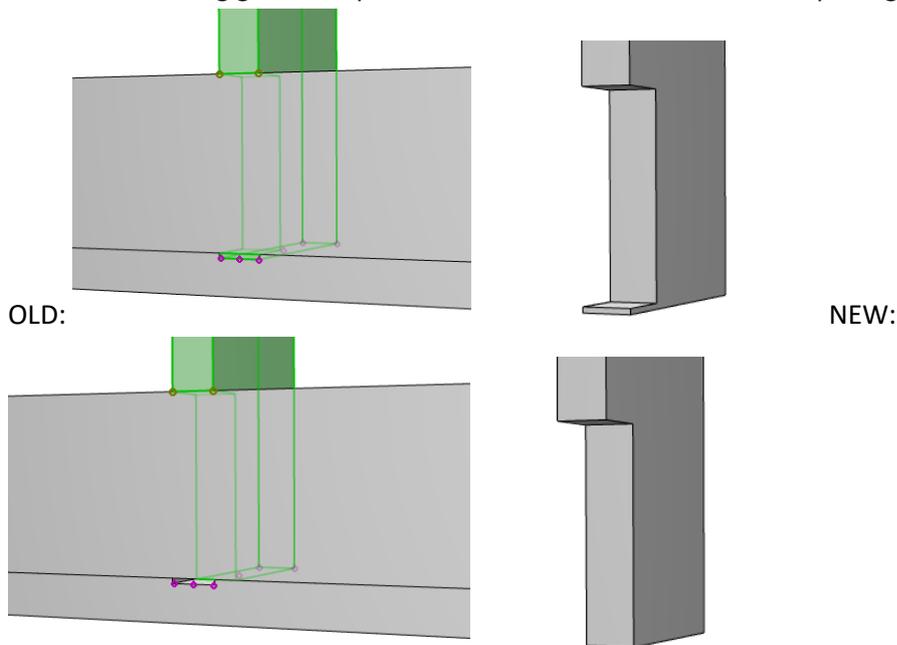

- Hundegger bvn export for dovetail mortise was saved with depth equal to tool size. Now with value defined in ArchiFrame-tools. May have caused too deep mortises.

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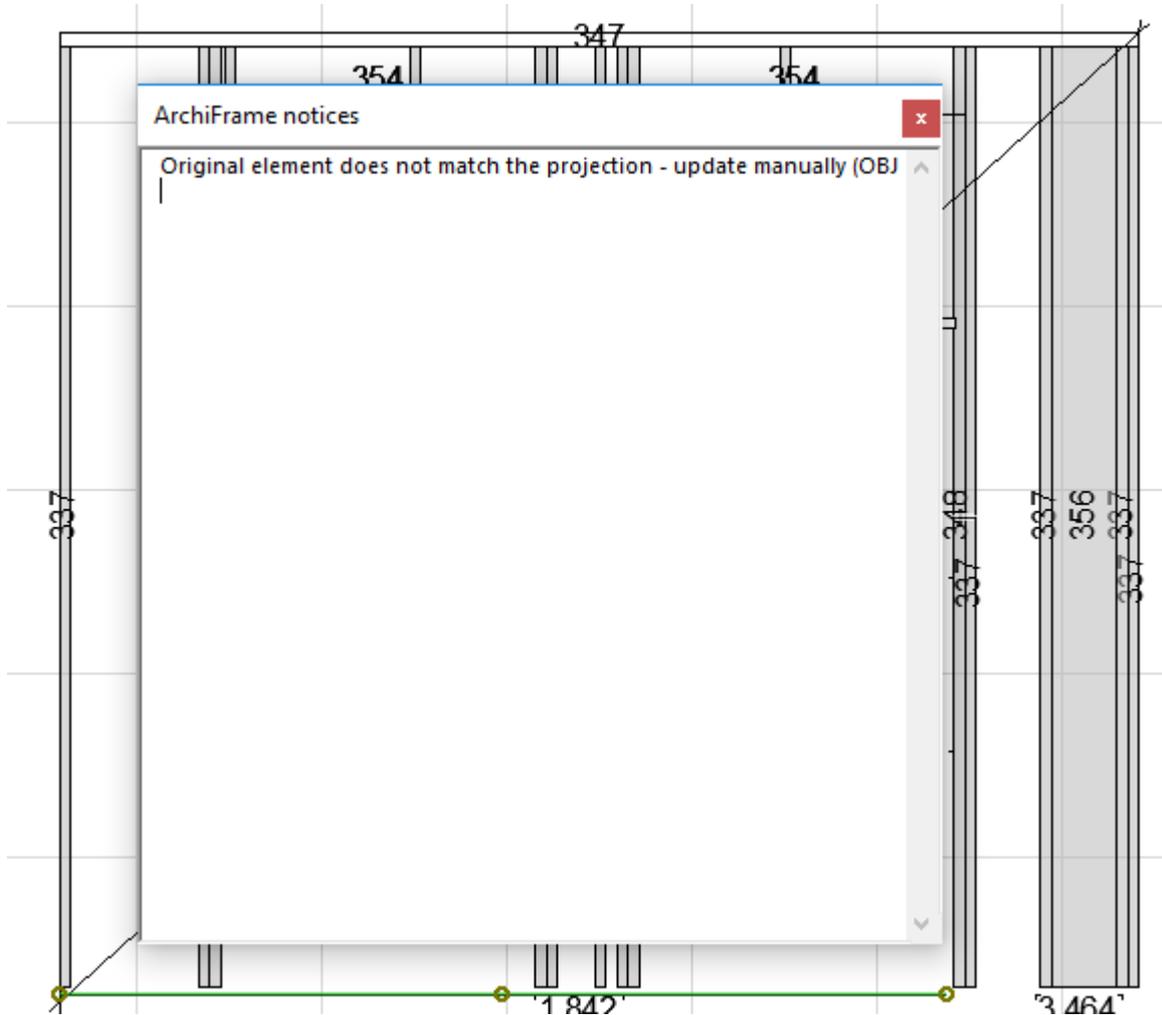
Old models will be fixed by clicking *Update*-button in element tools.

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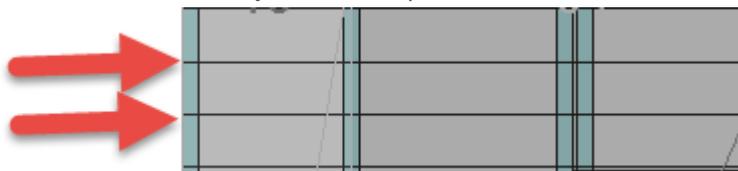
- Element stamp has parameter that leaves the element stamp untouched even if the element is recreated with button *Create planks*:
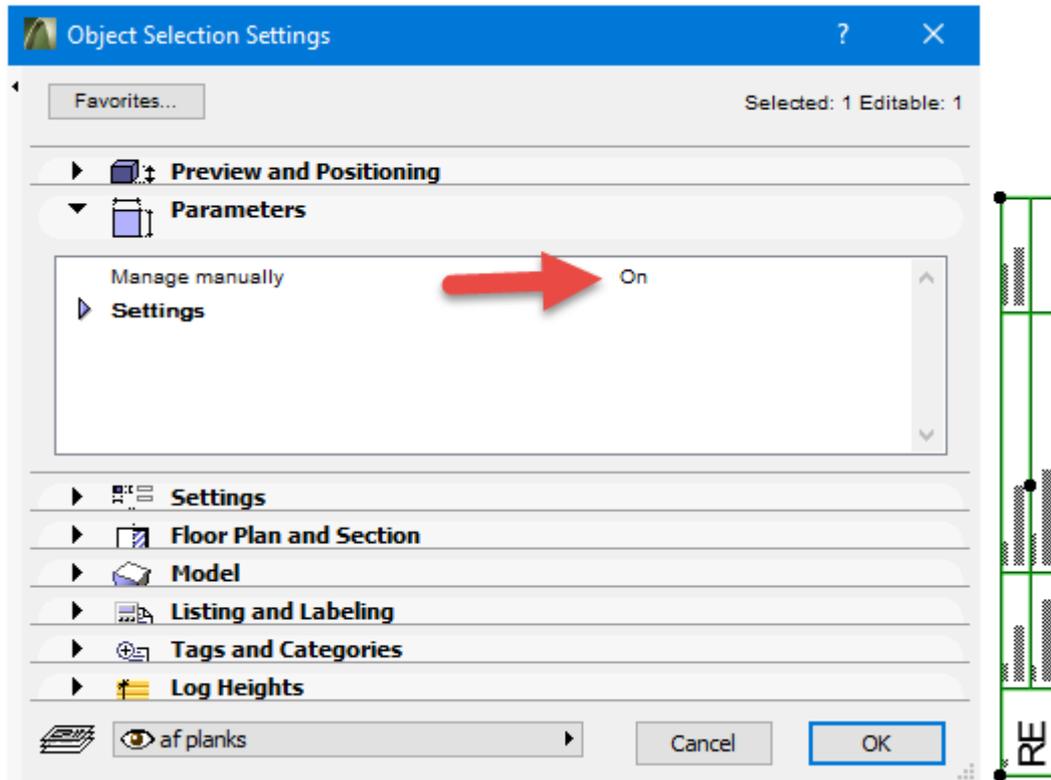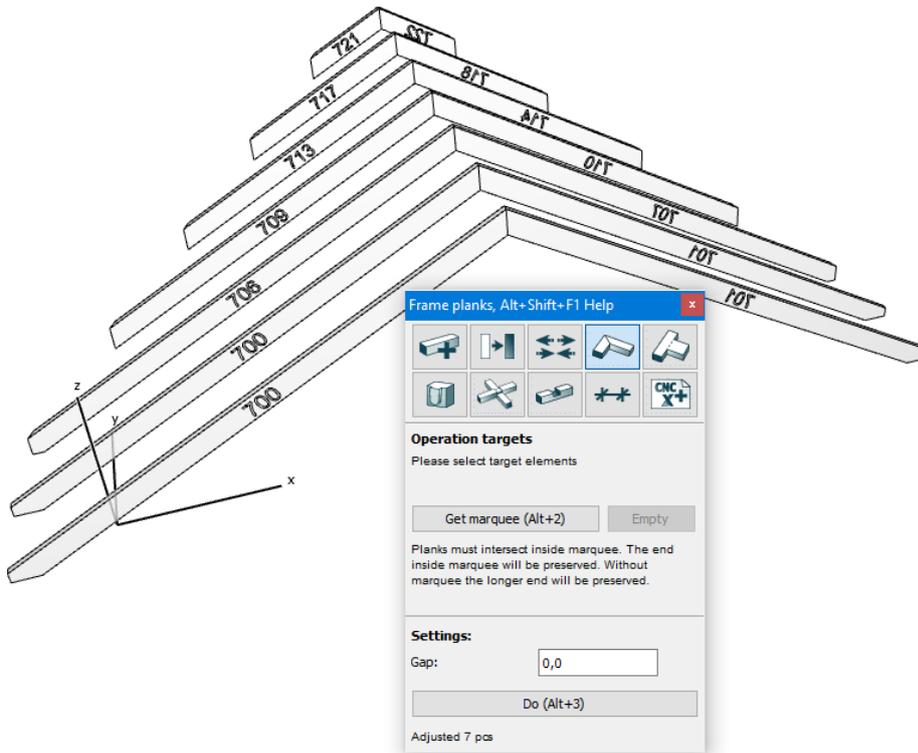

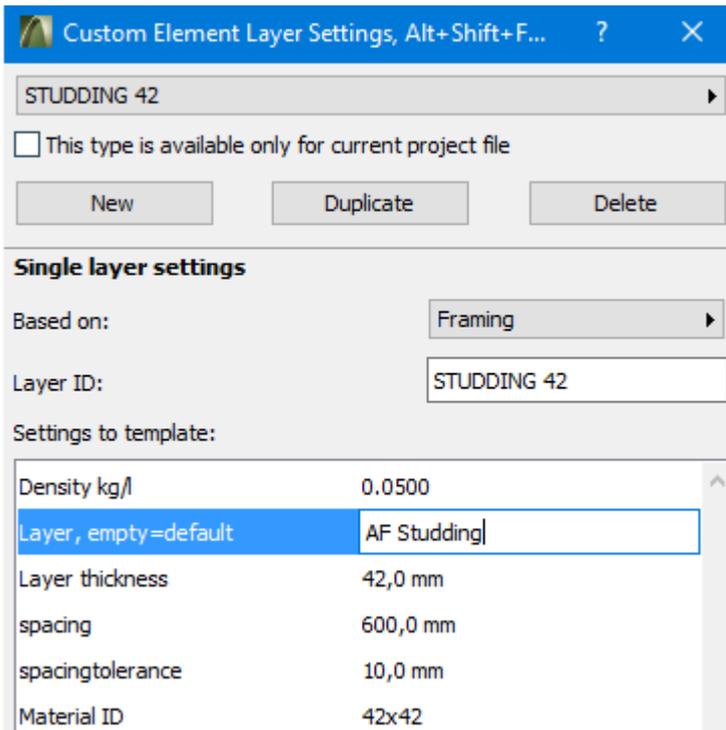- Renumber improvements, please press Alt+Shift+F1 to get more information:
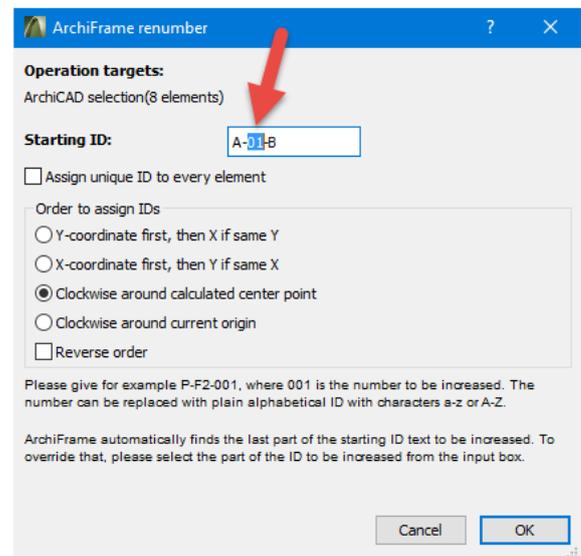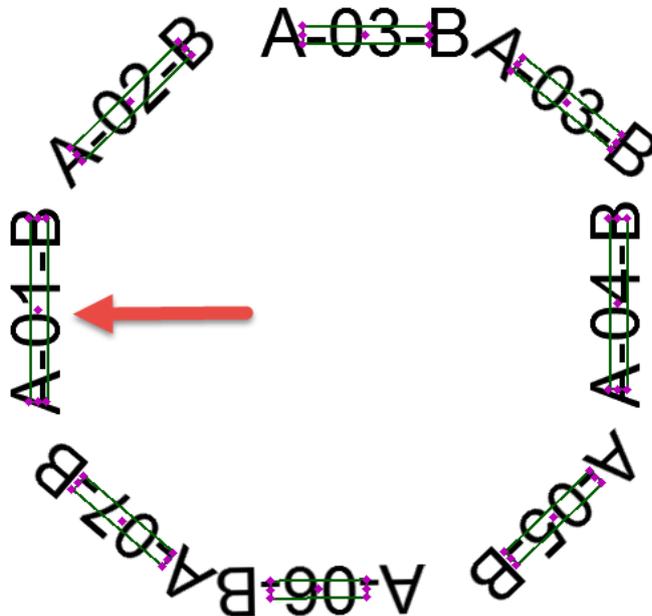
13th July 2016

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

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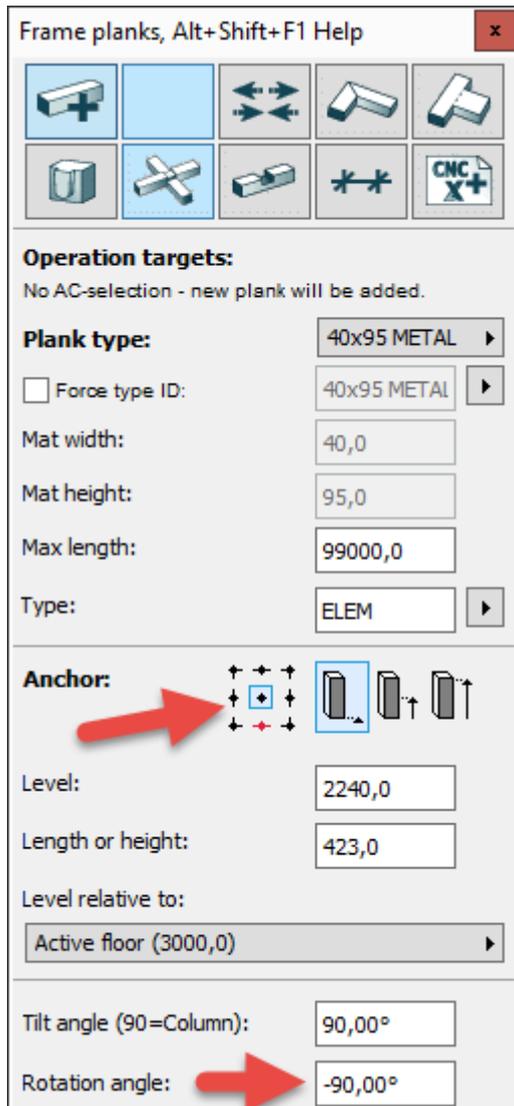

- Layer setting added to own element types:

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:

- 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):
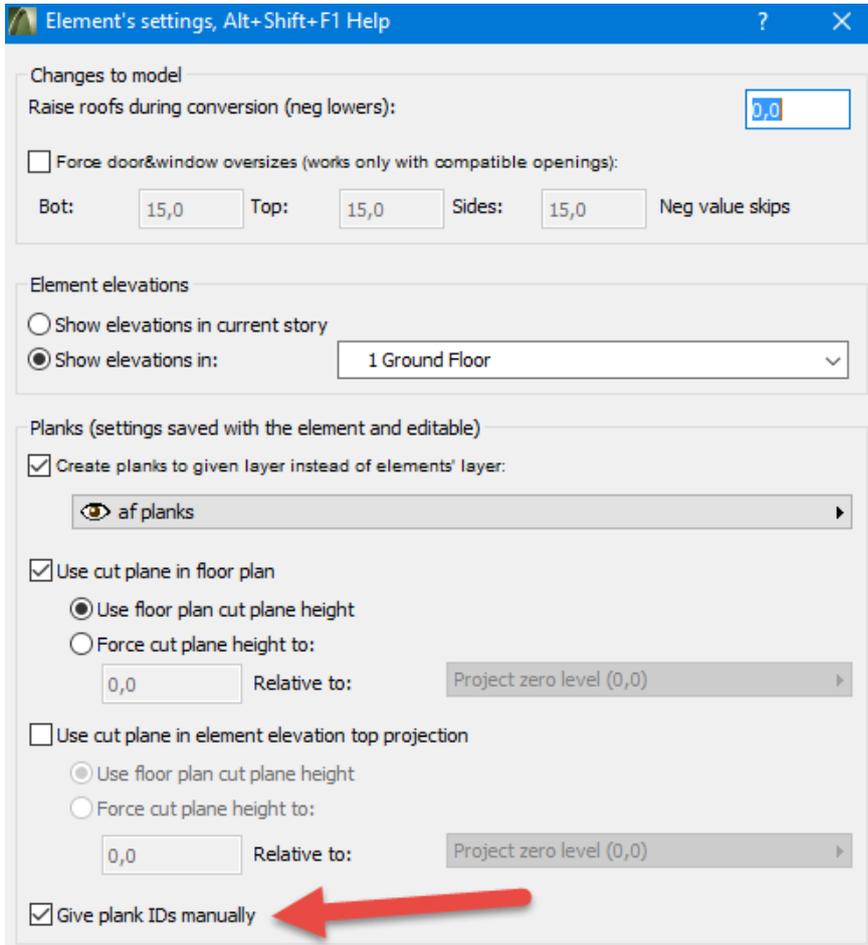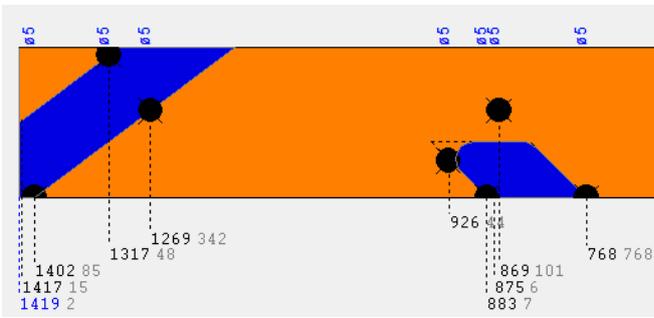

23rd May 2016

- Archicad 15 support dropped due to usage of newer UI components in Archicad. Now compatible with Archicad 16-19.
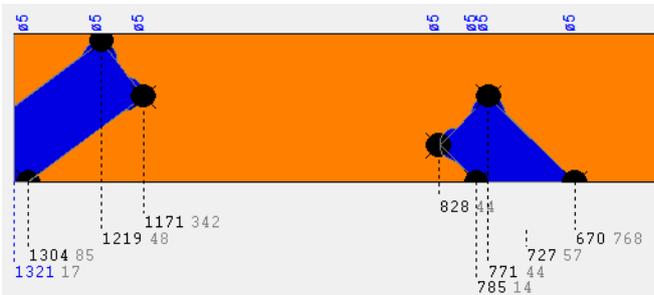
- Possibility to recreate just single layer:
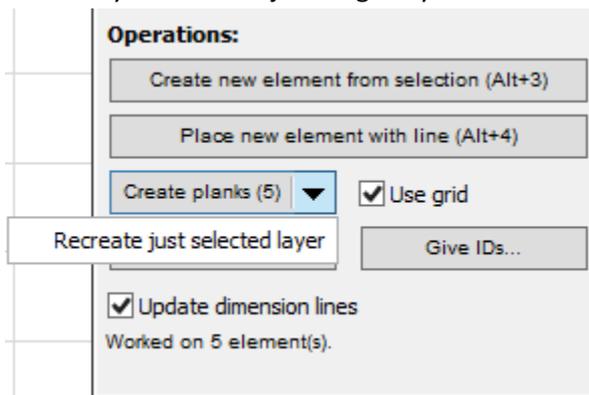
- Possibility to delete nailing by dragging its' begin or end point outside the plank.

- Hundegger bvn-export fix for this kind of grooves:

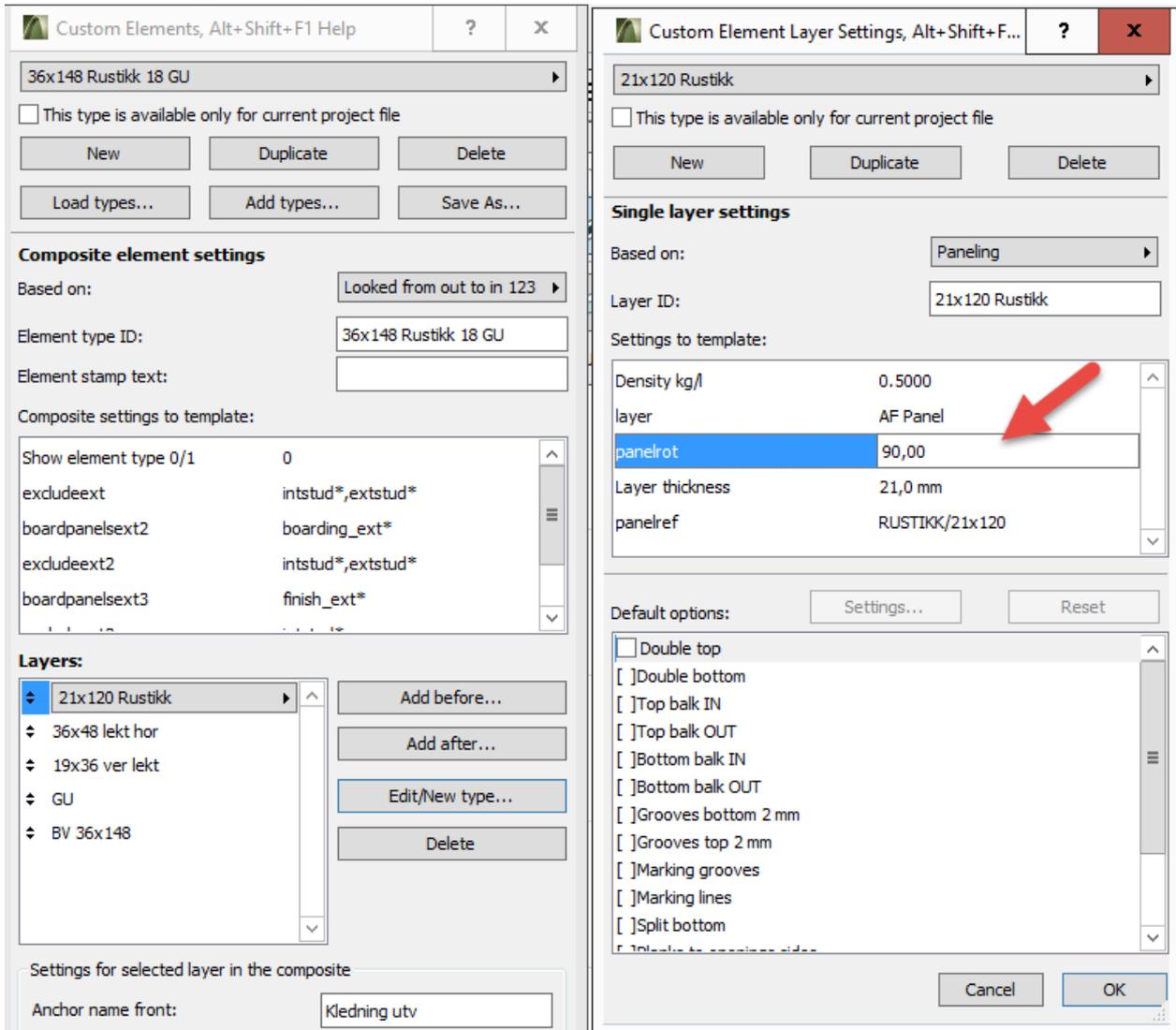In bvn it was saved as (black dots are drillings):

New version:

- Weatherboard rules updated for standard trapezoid etc. Windows for library 18+.
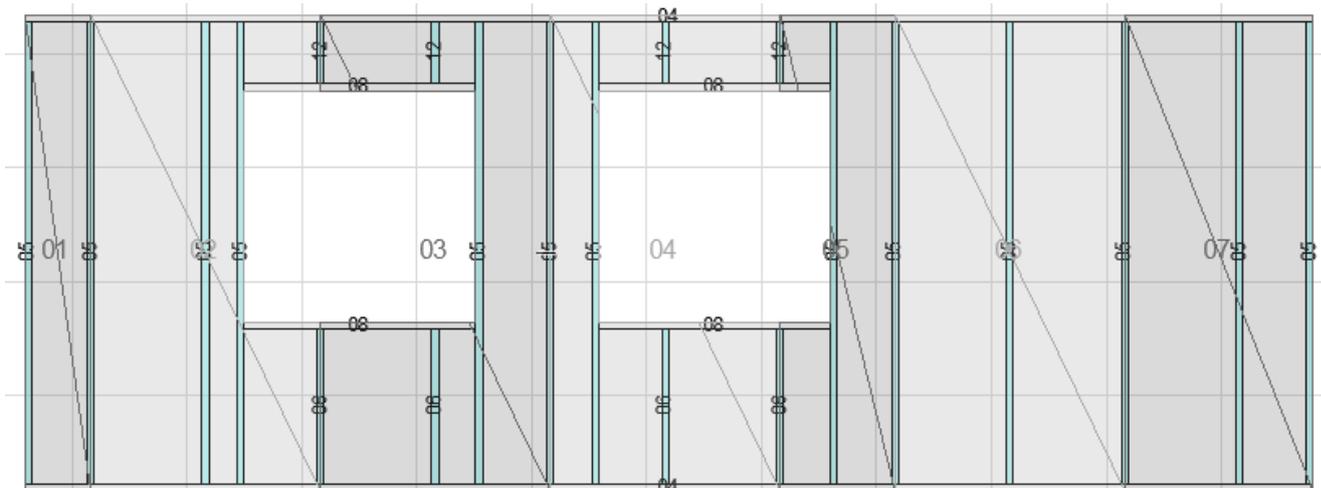
- New option for elements:
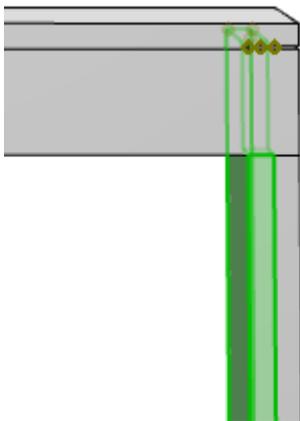
- Panel rotation angle adjustable (to have vertical cladding). You can try also value -90 to get the panel male/female swapped compared to 90:
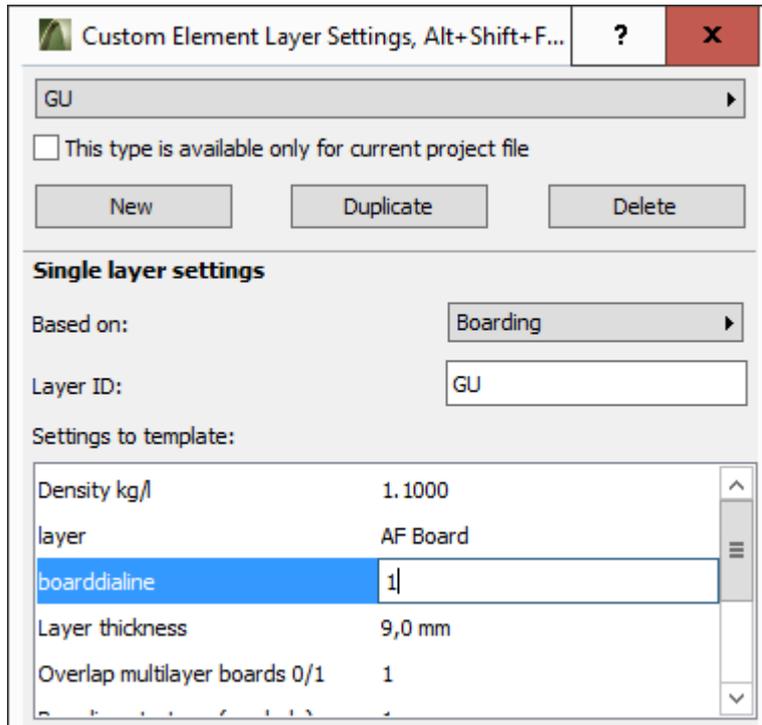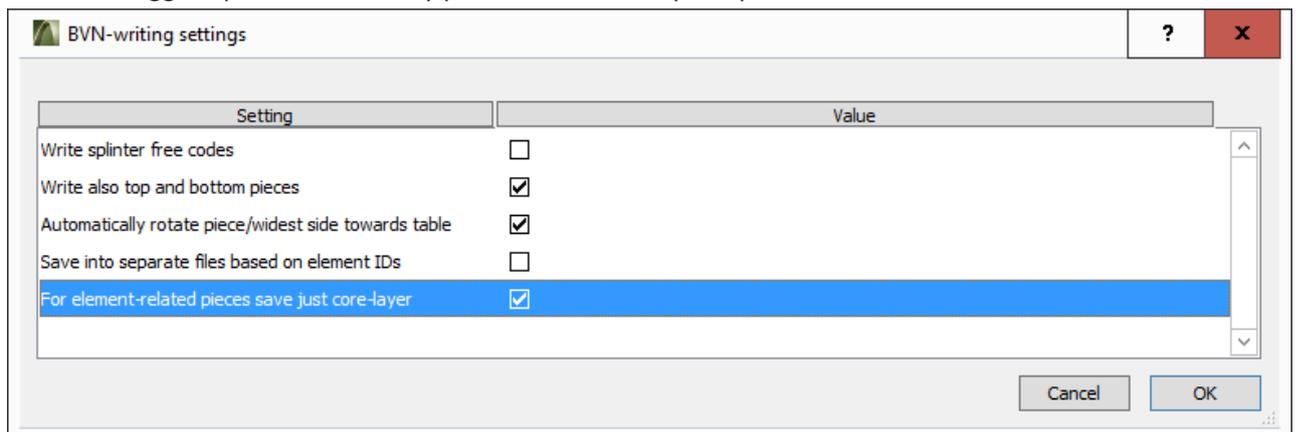

26th April 2016

- Diagonal lines for boards on by default:

Can be set off from own element types here:

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

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

- 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):

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

- 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:
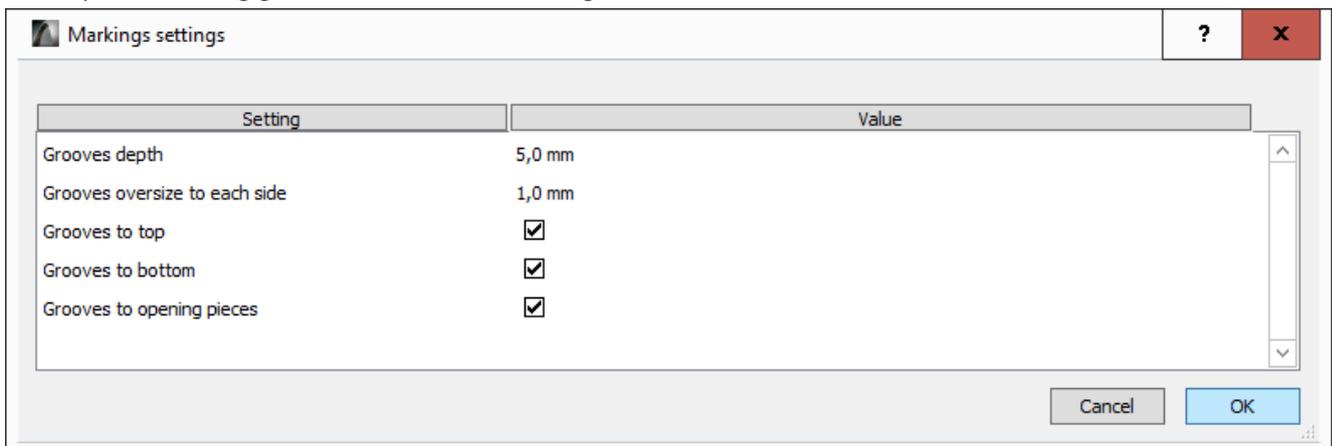
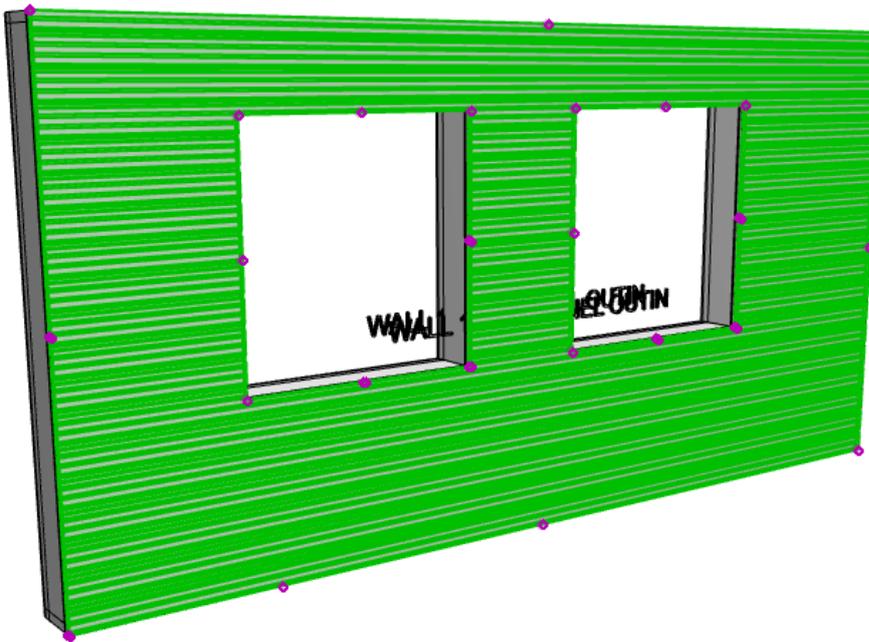- Option to split Hundegger bvn-file by element ID:
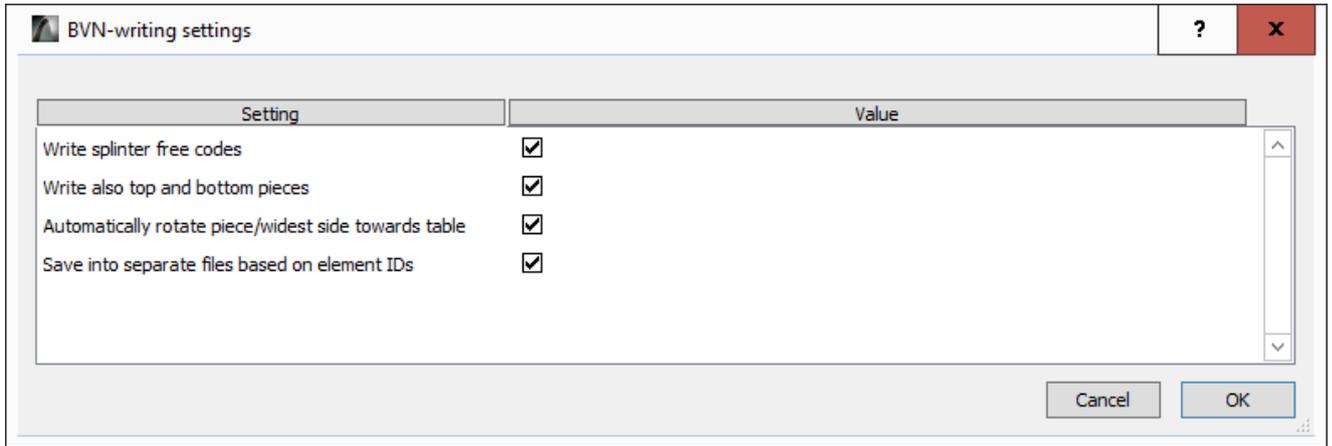
22nd March 2016

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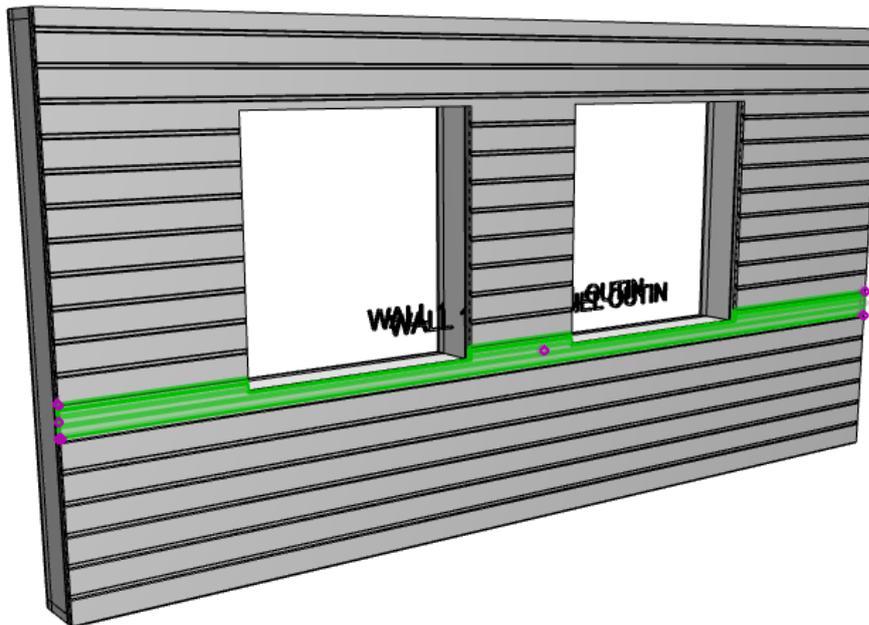
- Panels included in automatic cut list. If panelling is not exploded already, ArchiFrame will do it for internal calculation temporarily. Temporary pieces are grouped just by maximum length:

```
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 bvn: 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:

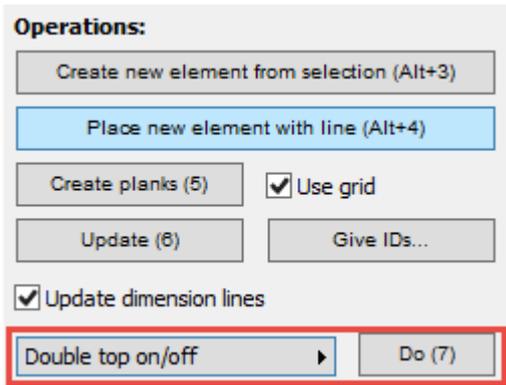| Nb	Part	Req.	Cut	Width	Height	Length
1	A-01 (HELLO)	1	0	173	42	2423
2	A-02 (42x173 IMP)	1	0	173	42	2423

25ᵗʰ February 2016

- Fixes to own element types and templates.

- More options for dimension lines including possibility to dimension boards only.
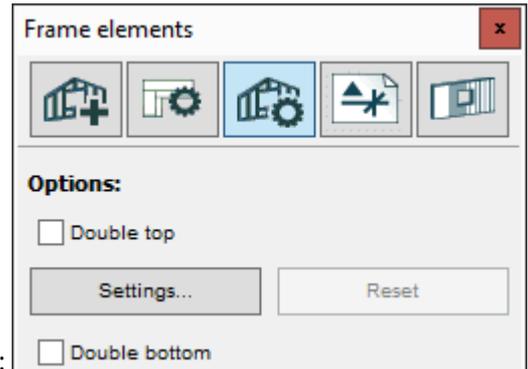
7ᵗʰ February 2016

- 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):

Operations:

Create new element from selection (Alt+3)
Place new element with line (Alt+4)

Create planks (5)	☑ Use grid
Update (6)	Give IDs...

☑ Update dimension lines

| Double top on/off ▶ | Do (7) |

Options still here:

Frame elements ☒

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Options:

☐ Double top

| Settings... | Reset |

☐ Double bottom

- Rotated grid did not work when creating planks and *[x] Use grid* was checked:
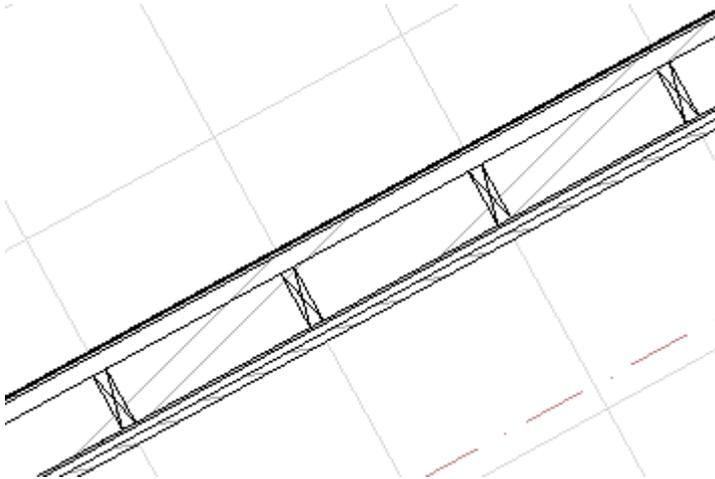
- Possibility to mark planks even if there is no intersection and setting to select the marking target surface:

☑ **Mark operators**

Target surface:	Front ▶
Lines:	To sides ▶
Text:	

<ID> Target ID, <L> Target length
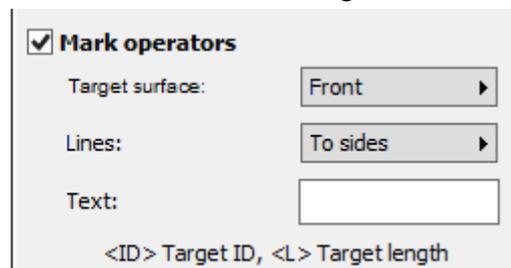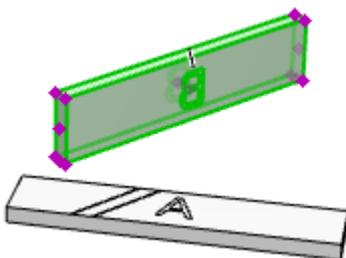
- Own element types/Custom element tools (please search for that text from the manual):

Frame elements ☒

🏠➕ 🔧 🏠⚙ ➤📄 ▢

Basic settings:

| Get marquee (Alt+2) | Empty |

Element type:

| Own element types... ▶ |

☐ Continuous top and bottom

| Own element types... |
| ROOF 245+70 |
| ✓ WALL EWP-01-195 VERT 120 |
| WALL EWP-01-195 |