

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 bugs

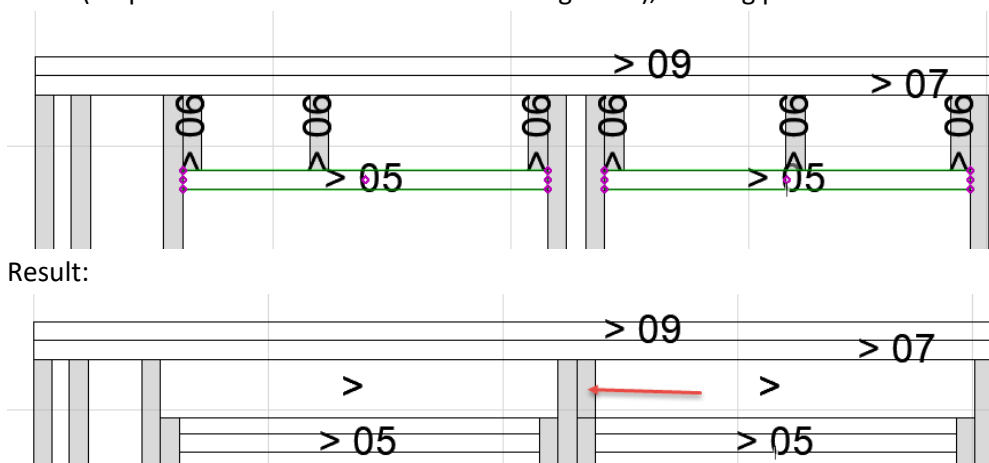
When operations produce new planks in sections/elevations, display must be manually updated with Ctrl+Shift+R.

27th October 2017

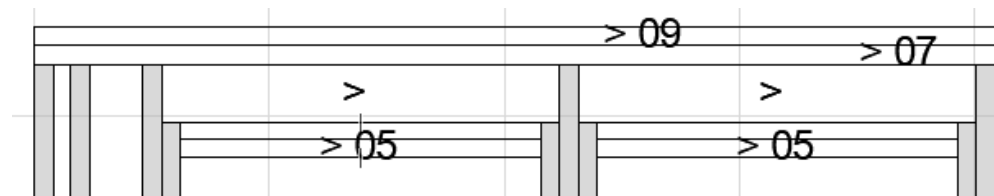
- Bug fix: If element type contained special characters like ÅÄÖ, the type was lost when opening the file from AC20 in AC21 due to AC21 being fully Unicode and AC20 not.
- Bug fix: If there was an opening touching top/bottom of the element, corner tool sometimes failed to add the planks correctly.

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:

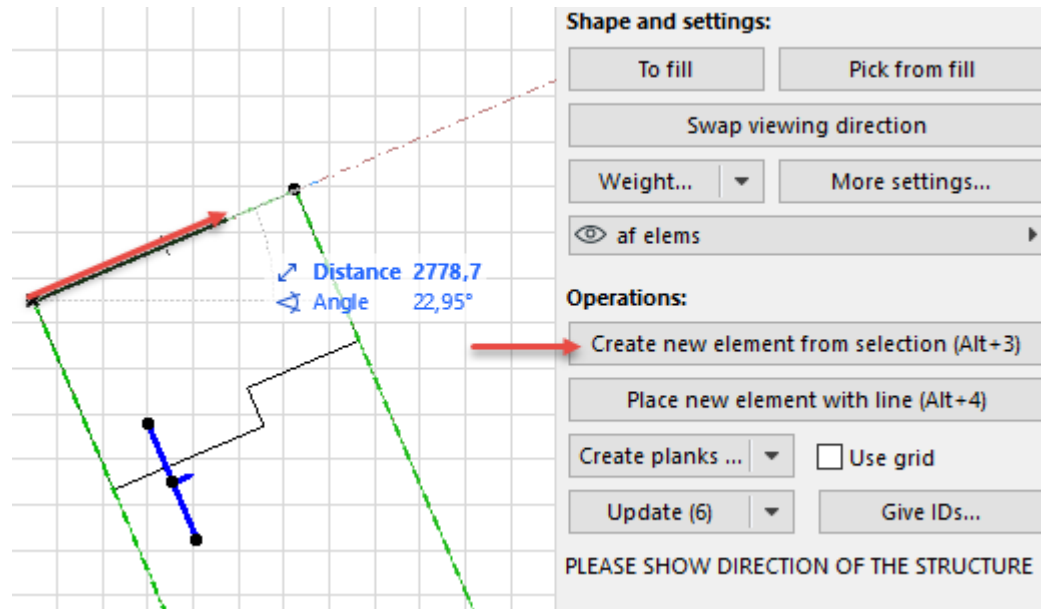


Fixed:



6th October 2017

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



- New settings to element main tools/More settings:

Element's settings, Alt+Shift+F1 Help

Changes to model

Raise roofs during conversion (neg lowers):

☒ Force door oversizes (works only with compatible openings):
 Bot: Top: Sides: Neg value skips

☒ Force window oversizes (works only with compatible openings):
 Bot: Top: Sides: Neg value skips

Element elevations

☒ Show elevations in current story
☐ Show elevations in:

Planks (settings saved with the element and editable)

Default layer for planks, boards and projection items:

☒ Use cut plane in floor plan
☒ Use floor plan cut plane height
☐ Force cut plane height to: Relative to:

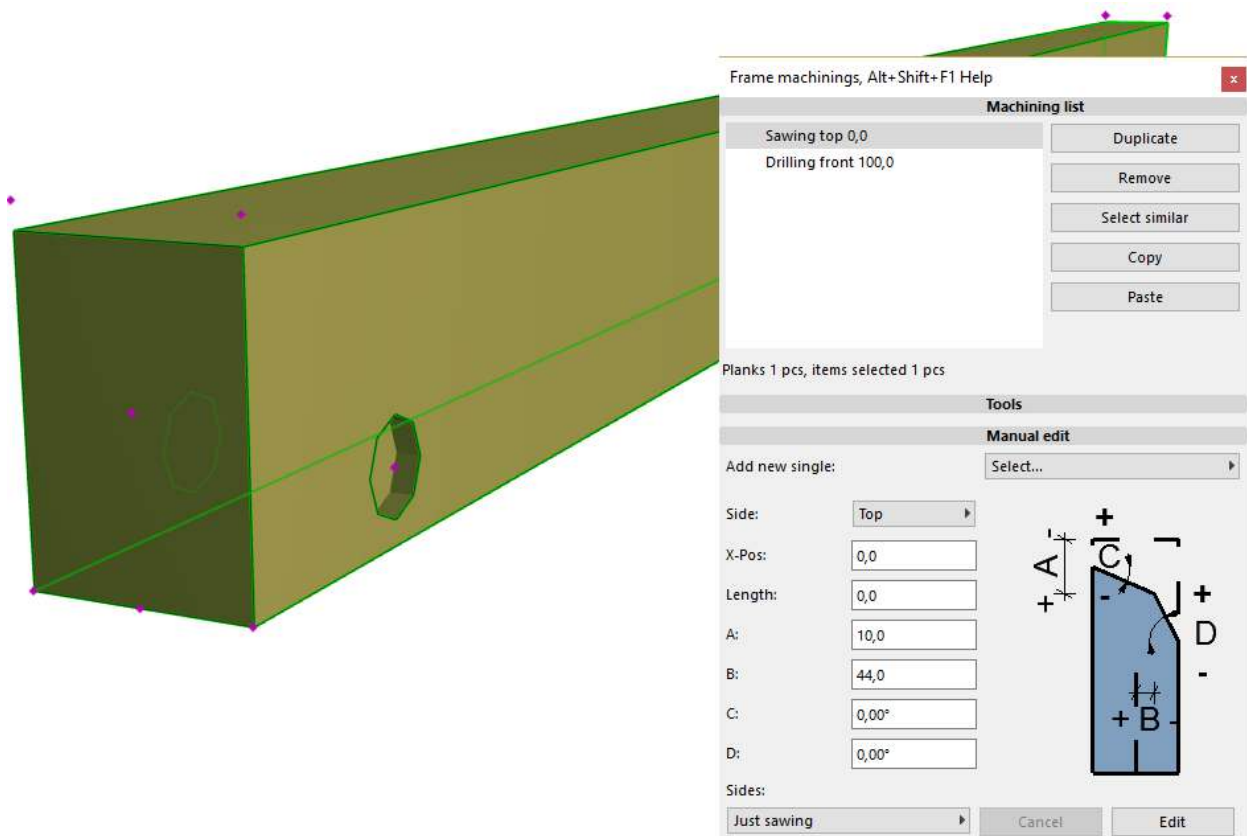
☐ Use cut plane in element elevation top projection
☐ Use floor plan cut plane height
☐ Force cut plane height to: Relative to:

☐ Give plank IDs manually
☐ Give board IDs manually
☐ Give IDs only to pieces with empty ID

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

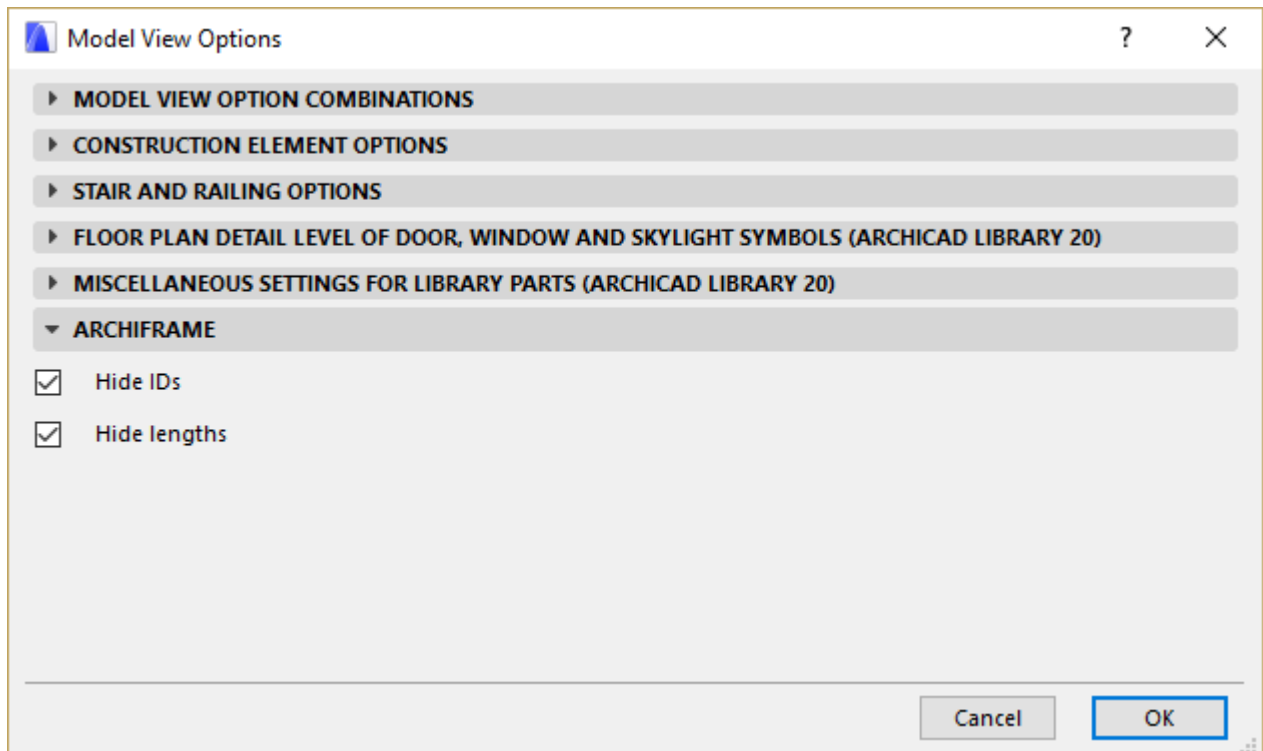
- Add new pieces and make sure their ID is cleared
- *Give IDs* and *Update* to assign IDs just to new planks and to update the cut list and dimension lines.

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



20th September 2017

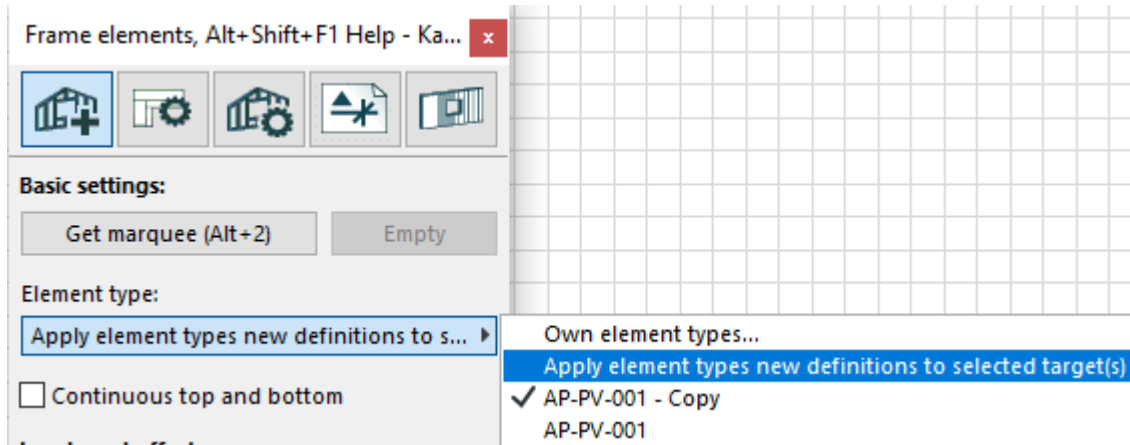
- Supports ArchiCAD 21!!
- ArchiFrame Model View options:
ArchiFrame has its own settings here (Document-menu/Model View/ Model View Options):



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

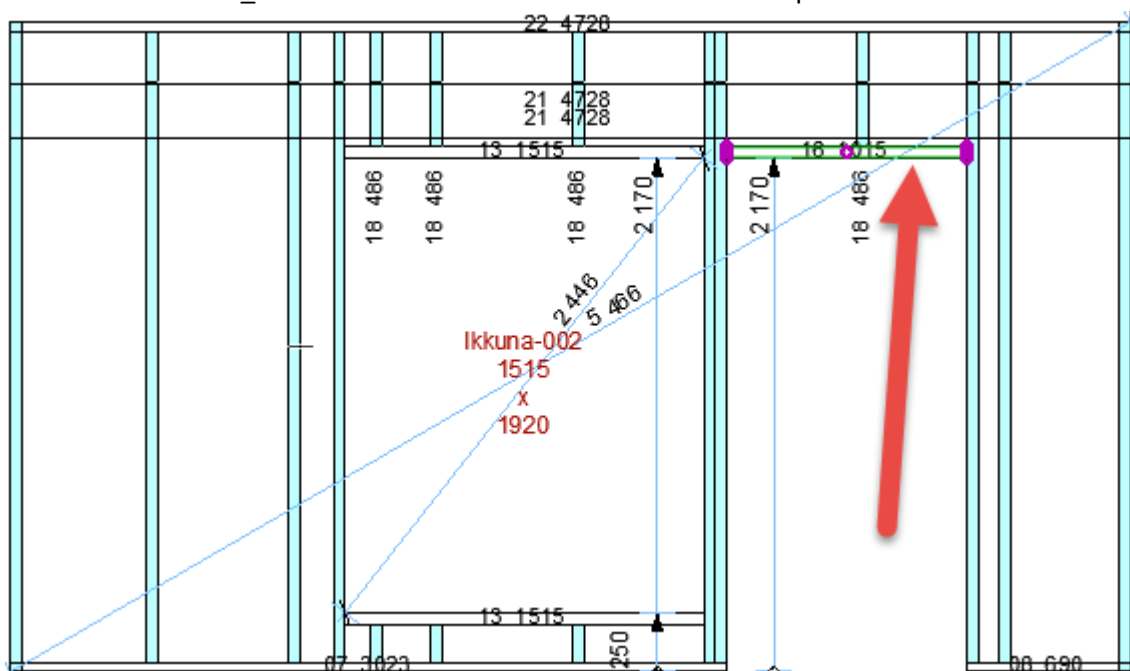
- Command *Apply element type's new definitions to selected target(s)* will apply changed settings from custom element type's composite settings to selected structure. Command is unavailable if there are no changes to

apply. *Create planks* will apply rules defined in the layer level.

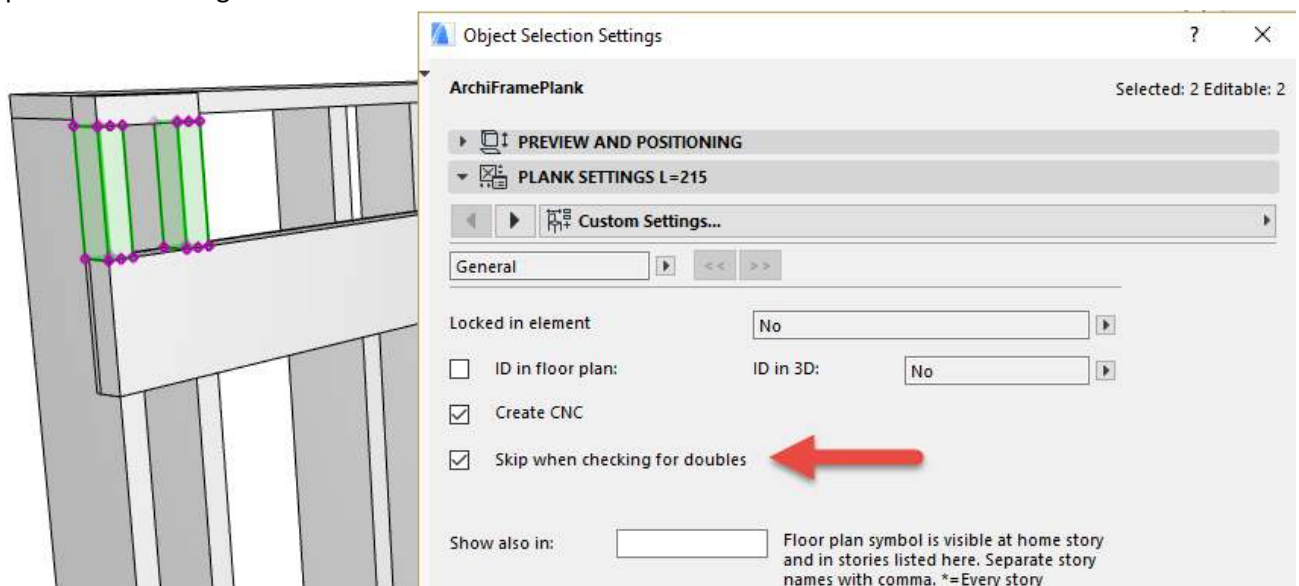


8th September 2017

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



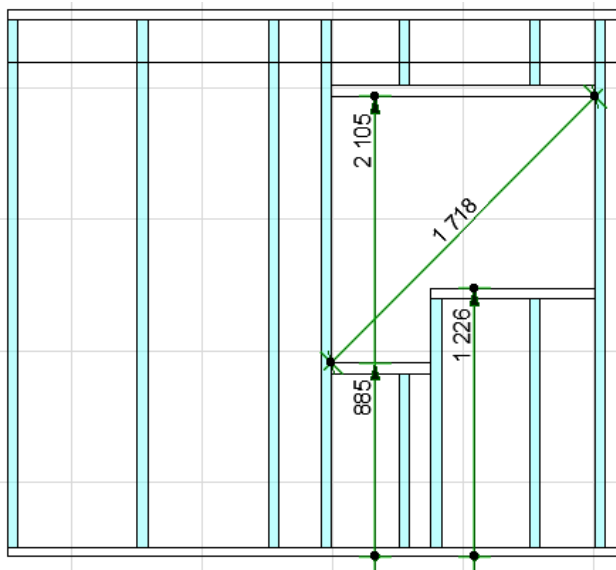
- Possibility to skip planks in *Check for doubles*. ArchiFrame does just full plank collision checking skipping possible cuts and grooves:



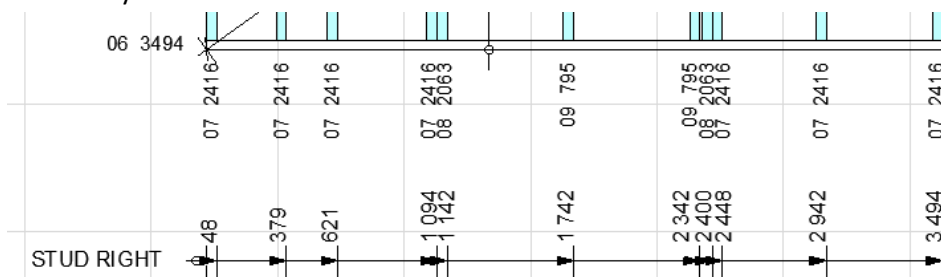
- Automatically updating layouts – please see manual section 11.9 Printing and layouts

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:

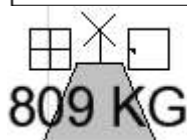


- Possibility to rotate dimension line texts. Please search for text textrot from the manual:



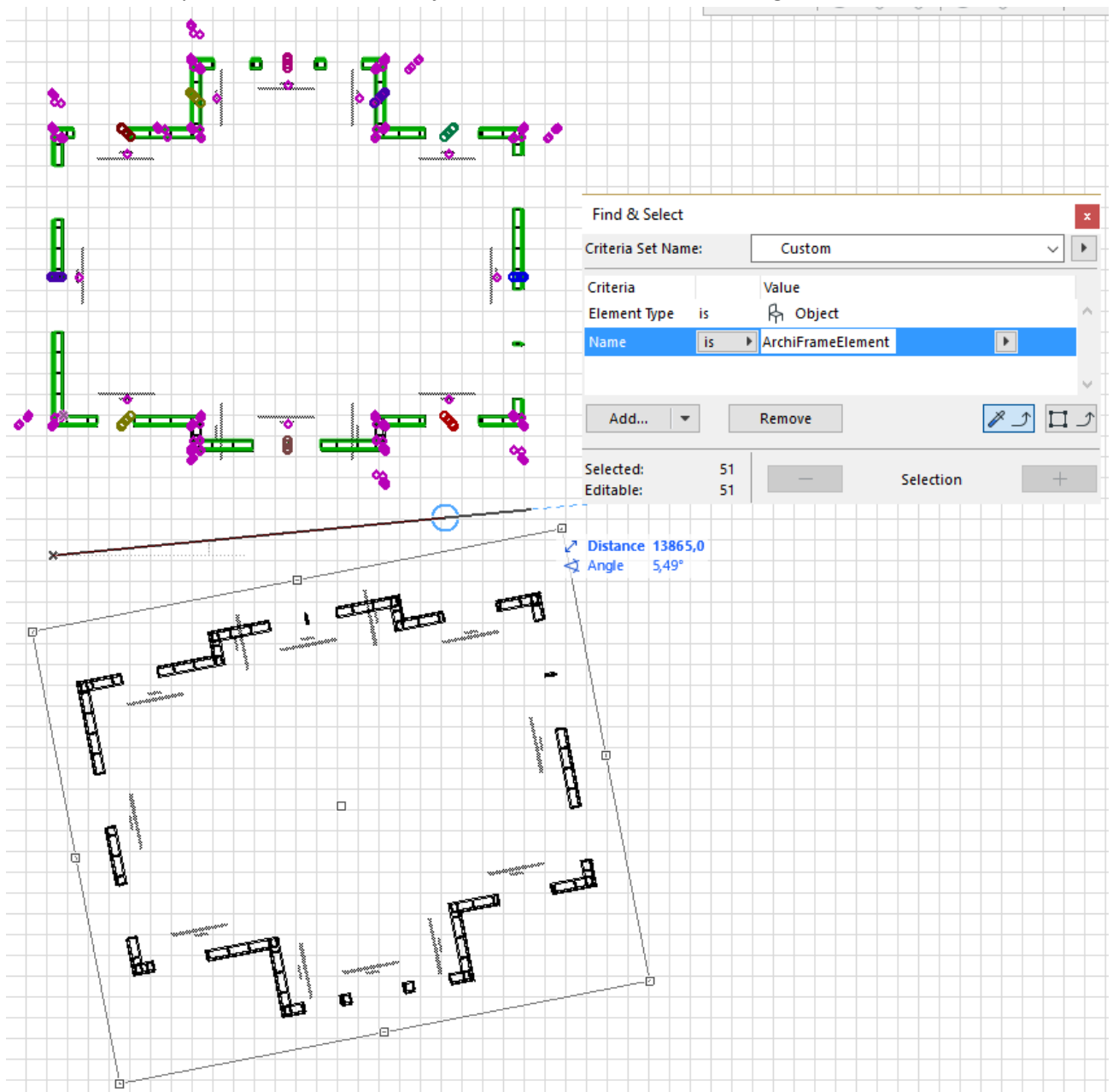
- Weight calculation: window and door markers and more options from own element settings:

Show center of gravity	Possible values are: <ul style="list-style-type: none"> 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
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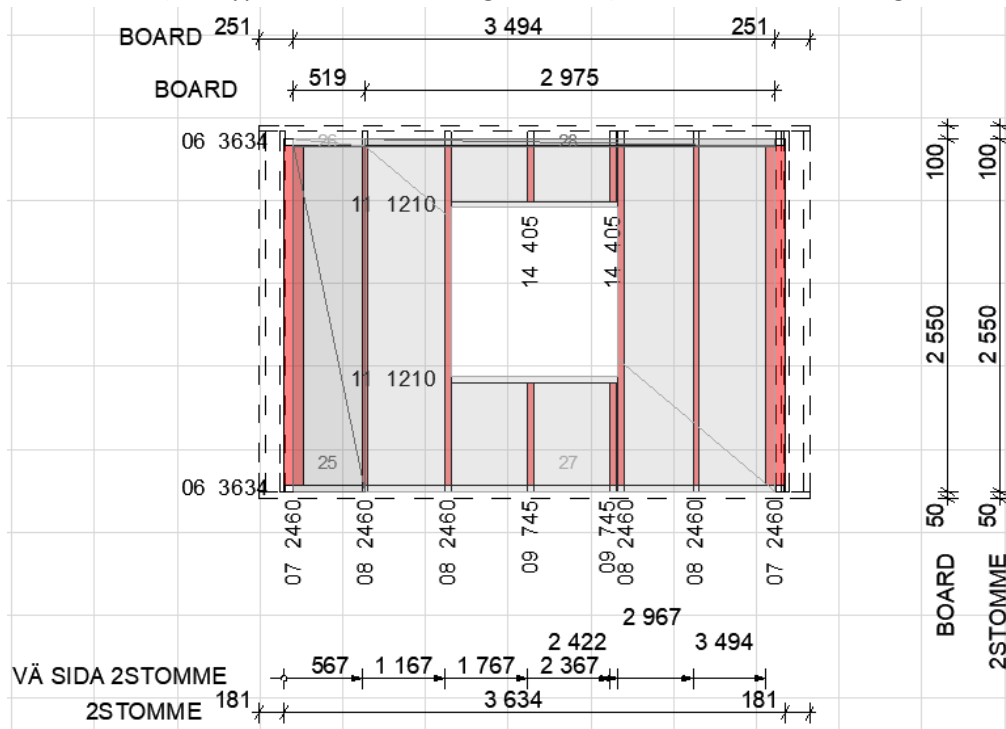
5th July 2017

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



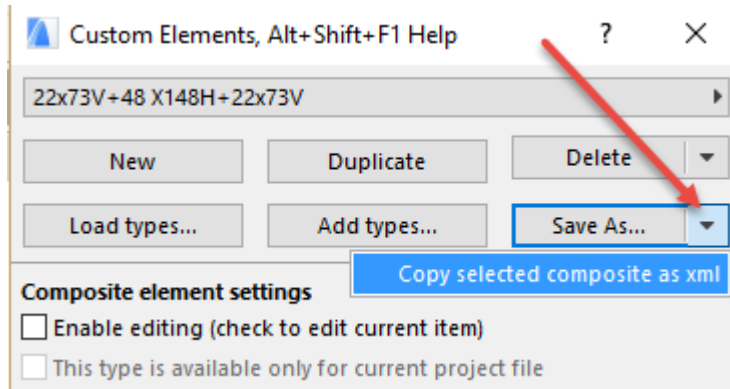
- Also these copy commands will work: Drag a copy, rotate a copy.
- To use any of these copy commands, select all composite layers belonging to the structure.
- Elevations are not copied. The elevations are generated when you click *Update* from element tool. Adjust the settings like the target storey from *More settings...* before updating.

- Possibility to specify settings for each layer in projections to get for example this kind of result (main frame as reference (line type, fill and show length&ID set) and additional studding with reddish fill):



21st June 2017

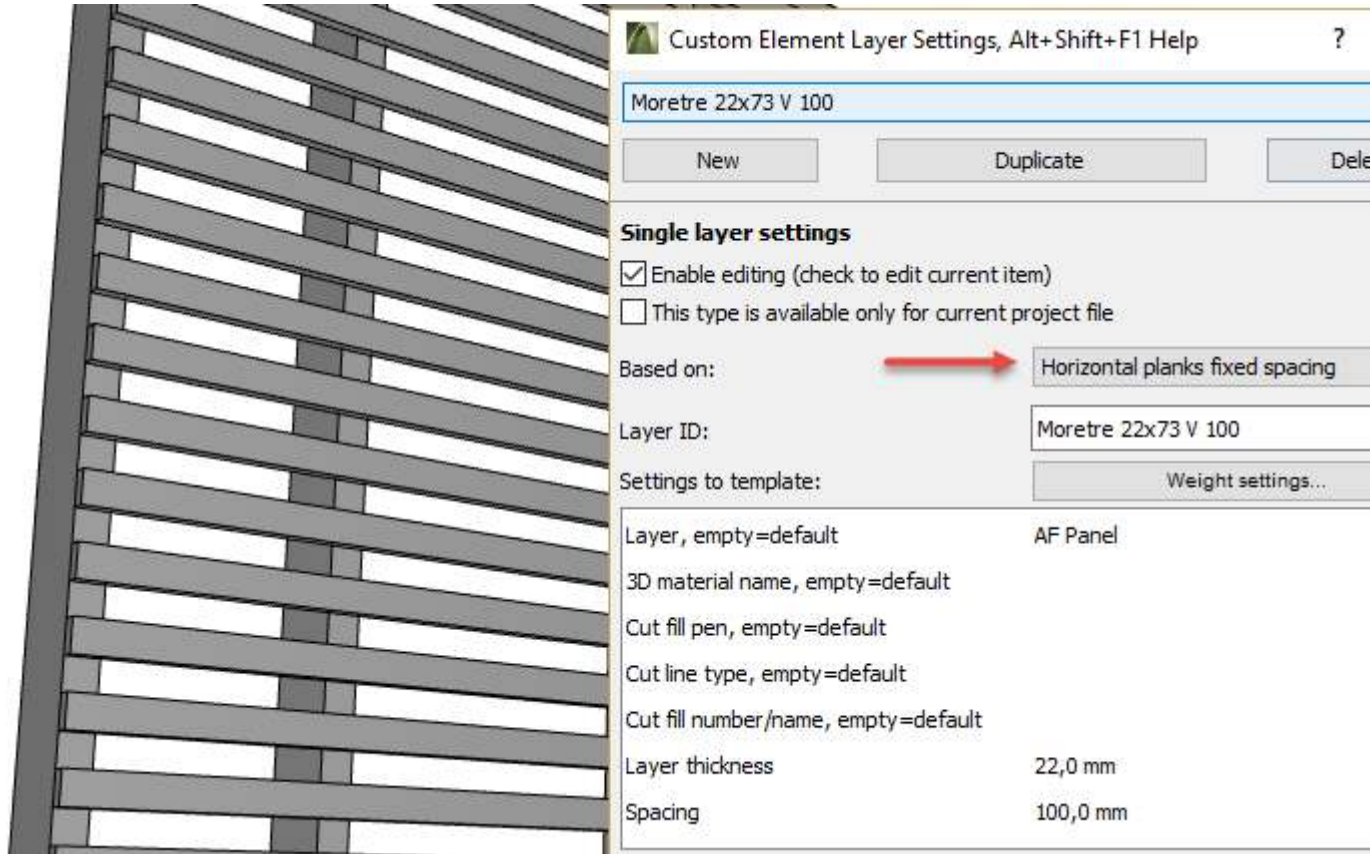
- Option to copy own element type definition into clipboard to be pasted into ArchiFrameElements.xml:



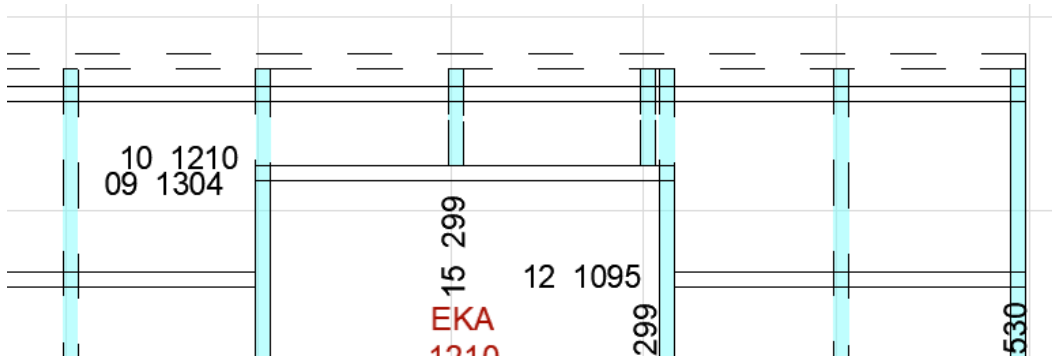
- If element option corner double was checked before planks were created, the duplicates were not trimmed to bottom & top plates.
- Board 3D: Now there will be line in 3D and sections even if there are two similar material boards next to each other:



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

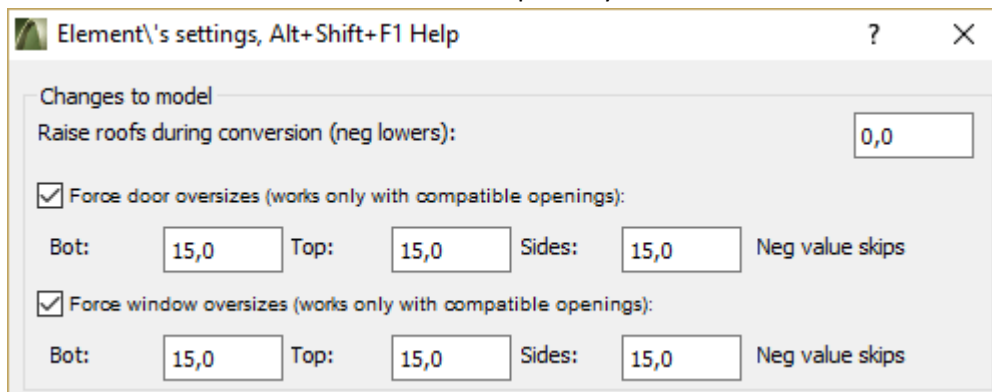


- Changing line type/pen in projection will remain even after updating the element:



12th June 2017

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

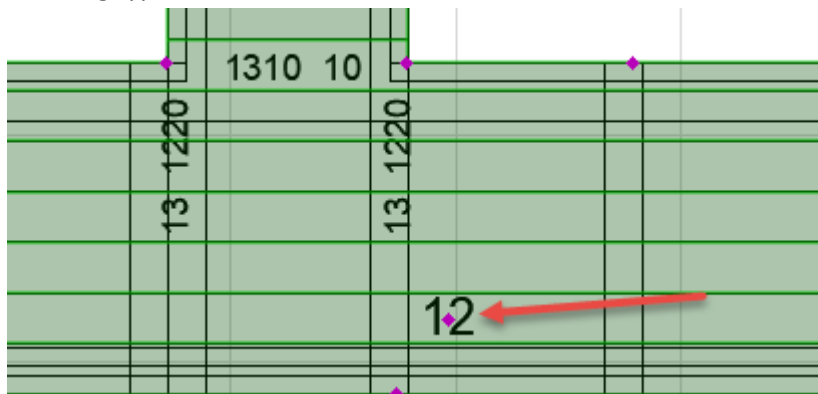


- Many small usability improvements and bug fixes

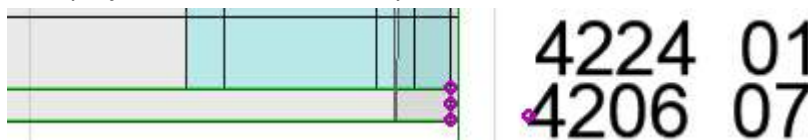
- Bug fix: If plank/board layer(s) were hidden when recreating planks for the element, the old ones were not deleted – caused duplicate planks/boards.
- Bug fix: ArchiFrame created all layers defined in the settings even if own element type settings set the layer. For example layer AF Board was created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

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

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



- Back projection IDs now correctly orientated:

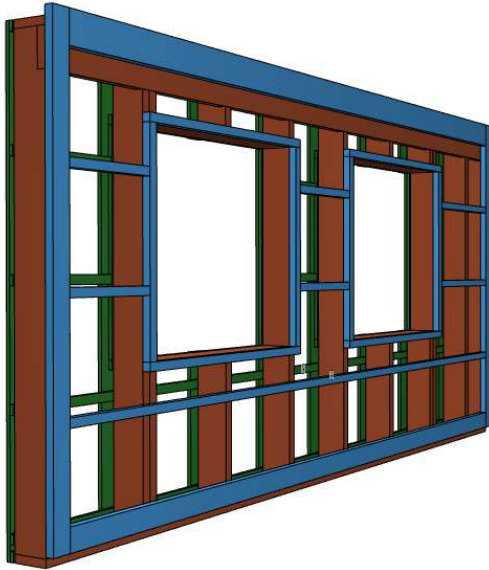


- Cutlist grouped two different shape boards together if they had exactly same area.
- RenderLIGHTS-export asks for file name if clicked in TeamWork-model or file has not been yet saved.
- Check for doubles tolerance increased from 0,1 mm to 5 mm or 20% of the related plank's minimum extent if that is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

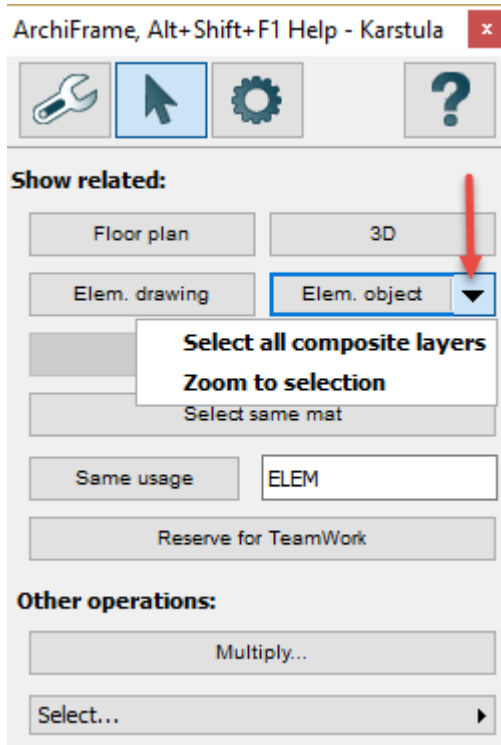
```
<material id="48x223" name="48x223" thickness="0.048" height="0.223" shape="block"
maxlen="99" m3factor="0.000">
  <settings>
    <plankdefaults>
      <elemparam name="pen">1</elemparam>
      <objparam name="iFillPen">123</objparam>
    </plankdefaults>
  </settings>
</material>
```

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

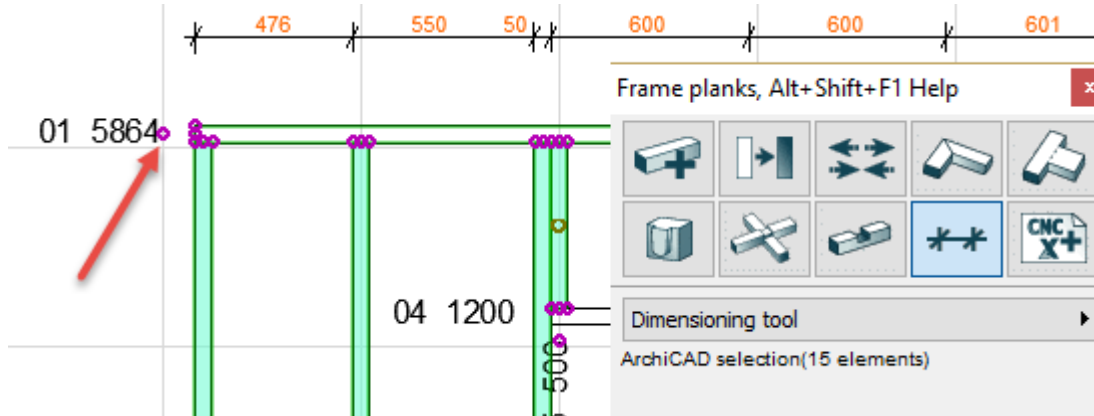
- Possibility to set 3D-material and cut fill pen/fill/line used in ArchiCAD sections per layer for your own element types, see manual page 54:



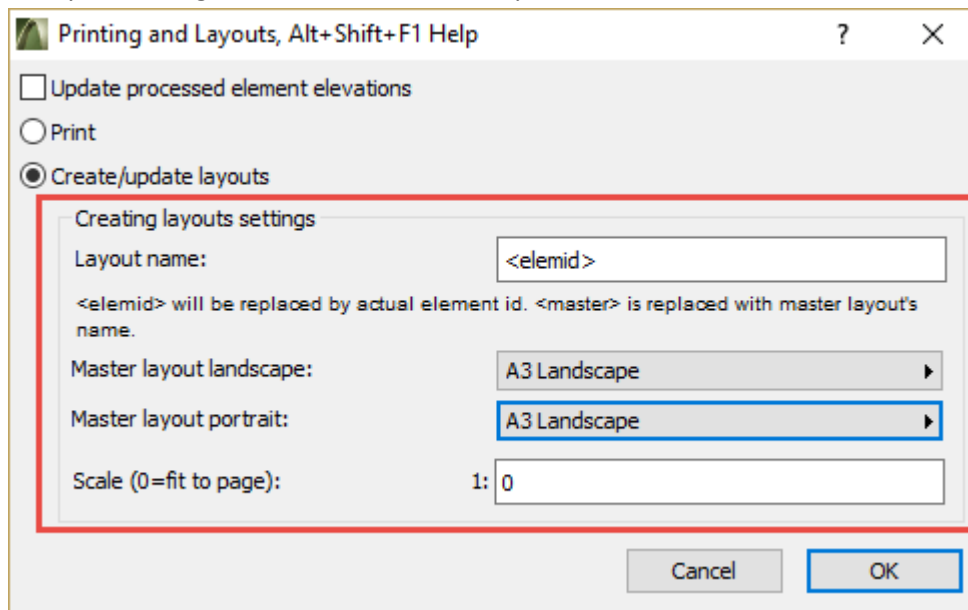
- More flexibility to make customer specific changes to data-folder. Please see part “3 Getting started: entering main settings and setting up the material list” from the manual.
- Selection tool has options when selecting related ArchiFrameElement-object(s):



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

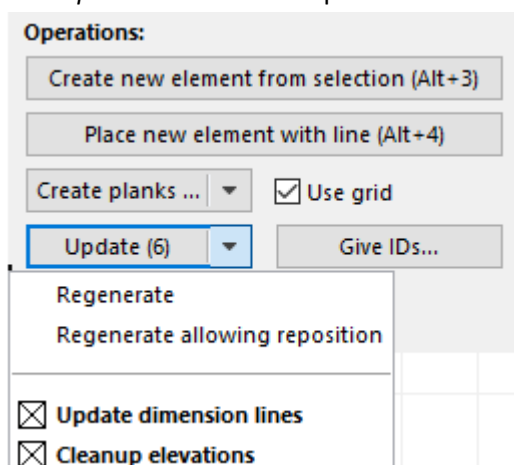


- All layout settings are saved/restored into preferences:



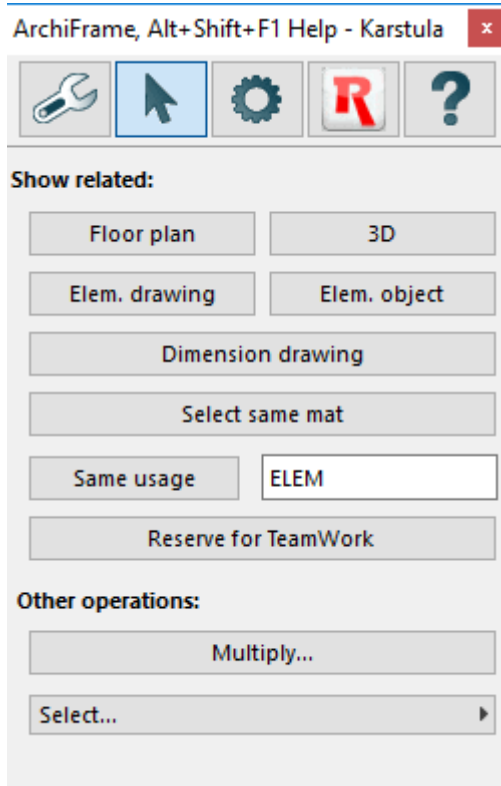
16th February 2017

- Cleanup elevations* cleans up:

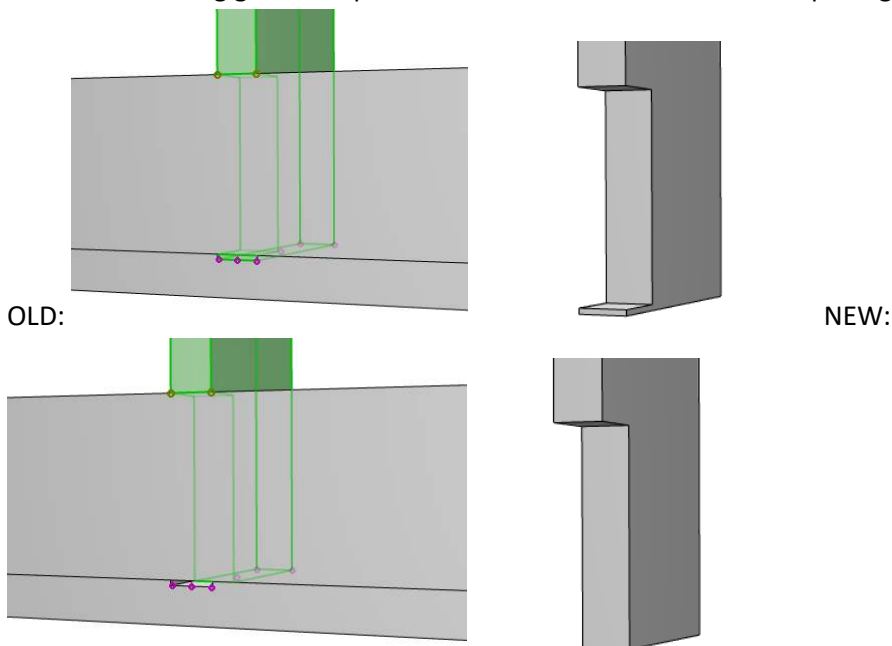


- Overlapping plank IDs
 - Board IDs overlapping with planks and other board IDs
 - Cross dimension overlapping with any ID or planks
- Software license was not correctly detected. Now SW-licenses work ok again.

- AC20 Teamwork receive changes caused duplicate planks into the model.
- *Reserve for TeamWork* reserves takes the selection and extends it to contain everything in the element including other layers, elevation drawings, floor plan pieces, dimension drawings and related ArchiFrameElement-objects. Then it reserves these elements for editing. After the editing is done, all changes are sent to the TeamServer with standard *Send & Receive* and finally released with *Release All*-button.



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

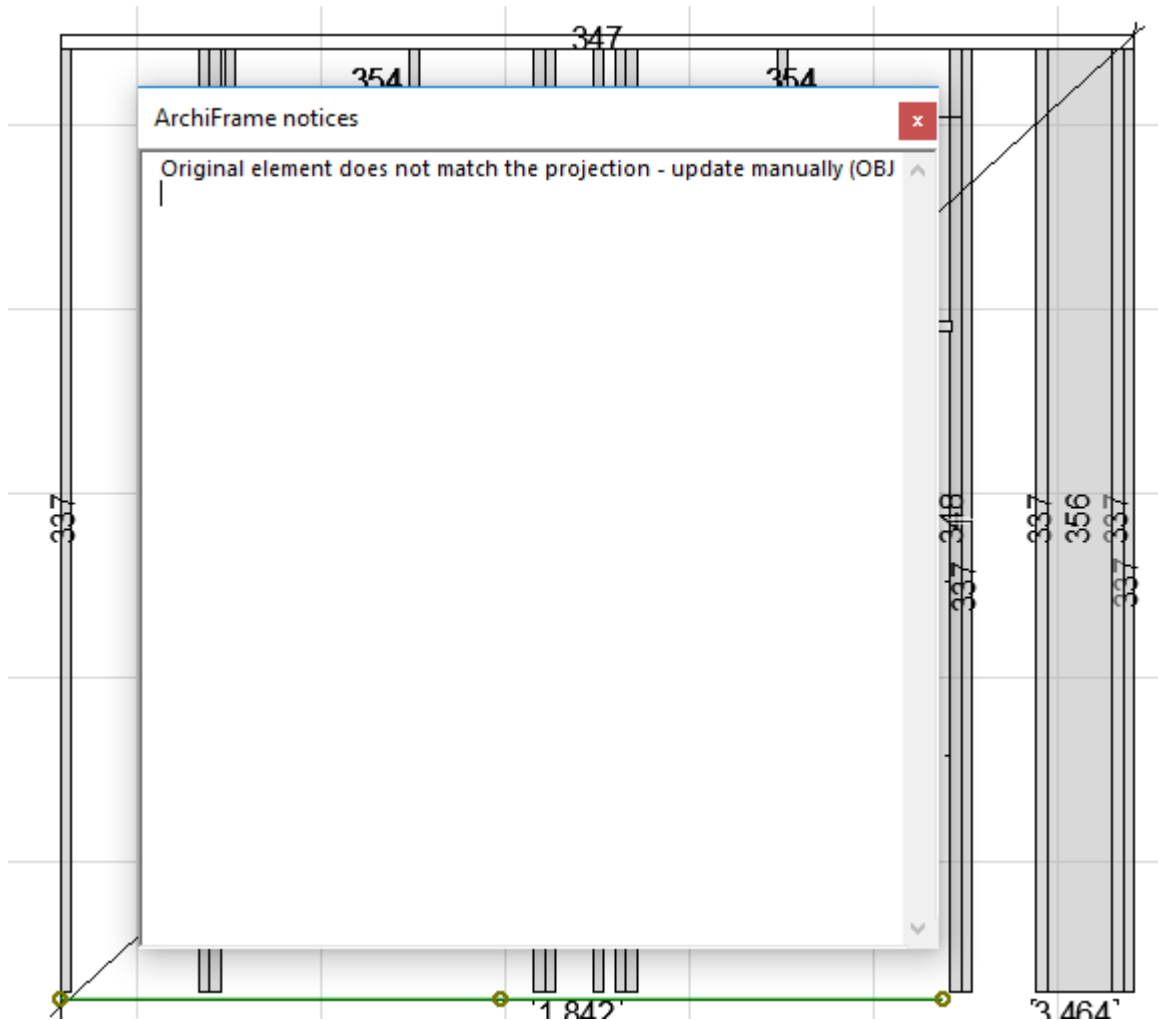


- Hundegger bvn export for dovetail mortise was saved with depth equal to tool size. Now with value defined in ArchiFrame-tools. May have caused too deep mortises.

- Support for Hundegger also for lengthwise shape:



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



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

19th December 2016

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



Currently CNC-support for Weinmann btl only.

- ArchiFramePlank 2D generation speed improved: If the plank has no profile nor any machinings, it is projected in less than half time compared to previous version. Speeds up opening an elevation floor by about 25% depending on planks' complexity.
- Mac version with newest OS X palette problems with AC19/20: Now palettes work ok – you can move and close & open the palettes freely.

- Script based cutlists allow tailoring to get for example this kind of list:

MATERIAL LIST

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

18th October 2016

- Possibility for custom script based cutlists

8th September 2016

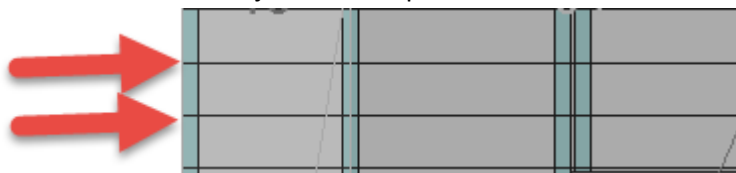
- Own element types: If any string entered by user contained one of characters "<" ">" "&", using the element type failed. Classic xml-bug fixed.
- Projections may have been not in sync with 3D after creating lintels.
- Boardpanel object is shown as wireframe in 3D after exploding. Can be set from object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

31st August 2016

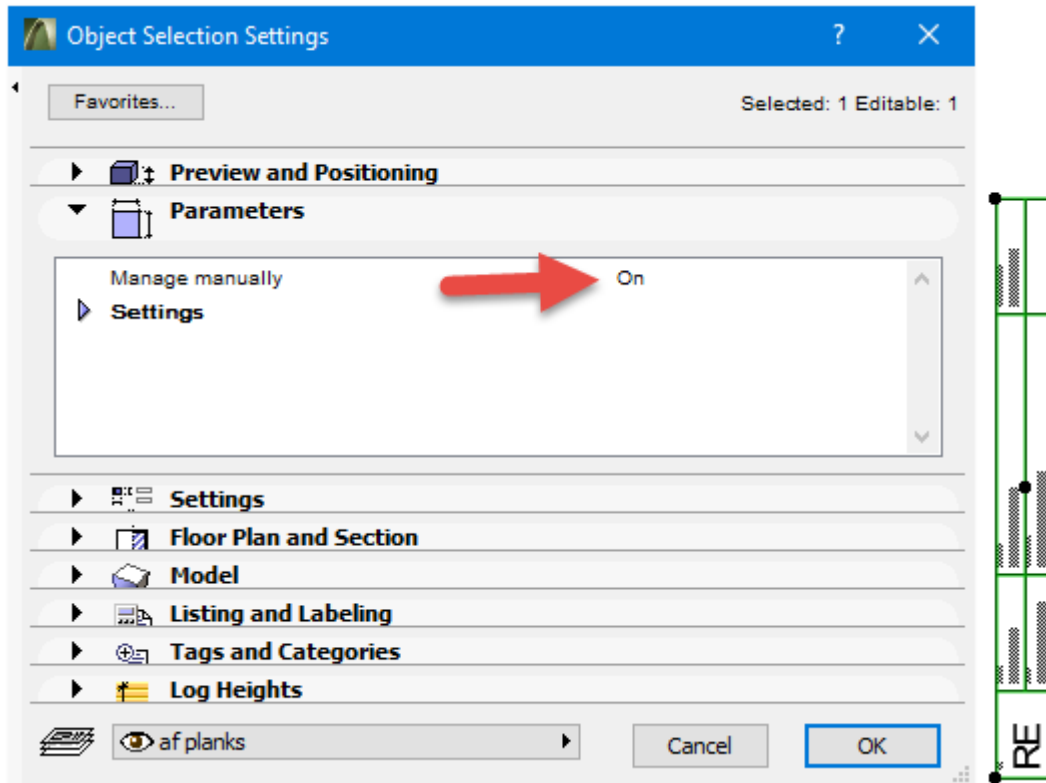
- Mac-version 20 was unstable, fixed now.
- Possibility to limit opening offsets, please press Alt+Shift+F1 at main element tools for details.

23rd August 2016

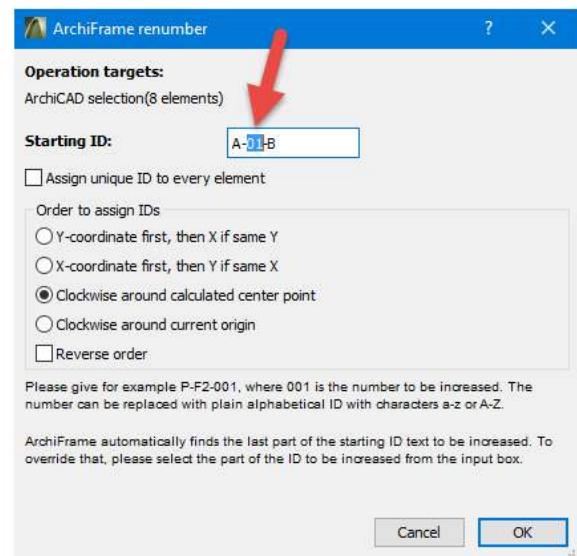
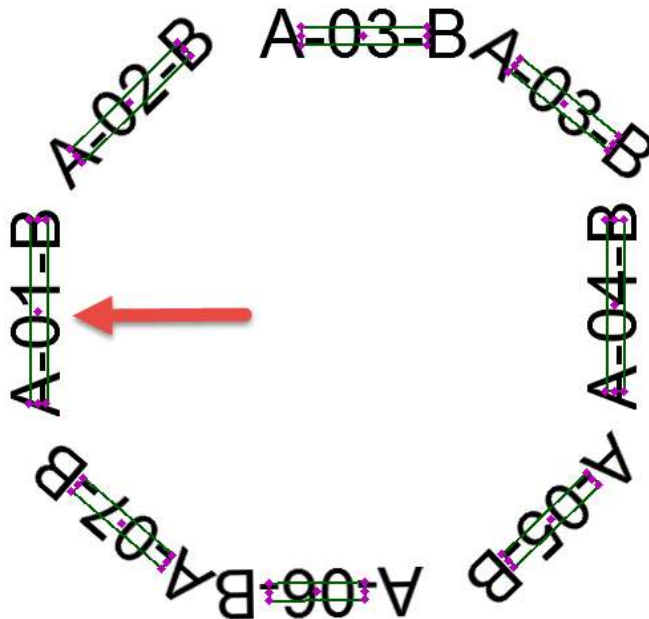
- Support for ArchiCAD version 20. Please note that you need to use the newest library – it has fixes that makes it compatible with also ArchiCAD 20. The library works starting from ArchiCAD 13 and is fully backwards compatible.
- ArchiFrameBoardPanel-object now snaps the mouse to the seam lines:



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



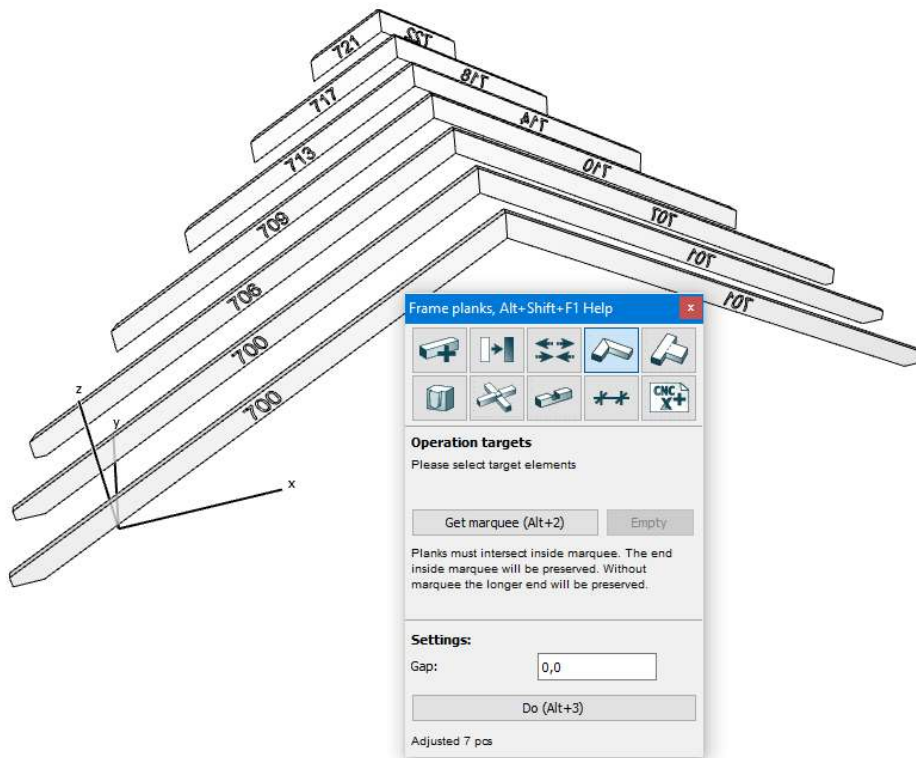
- Renumber improvements, please press Alt+Shift+F1 to get more information:



13th July 2016

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

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



- Layer setting added to own element types:

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

STUDDING 42

☐ This type is available only for current project file

New Duplicate Delete

Single layer settings

Based on: Framing

Layer ID: STUDDING 42

Settings to template:

Density kg/l	0.0500
Layer, empty=default	AF Studding
Layer thickness	42,0 mm
spacing	600,0 mm
spacingtolerance	10,0 mm
Material ID	42x42






5th July 2016






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

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

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

Frame planks, Alt+Shift+F1 Help x

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

Plank type: 40x95 METAL ▶





☐ Force type ID: 40x95 METAL ▶

Mat width: 40,0

Mat height: 95,0

Max length: 99000,0

Type: ELEM ▶


Anchor:    

Level: 2240,0

Length or height: 423,0

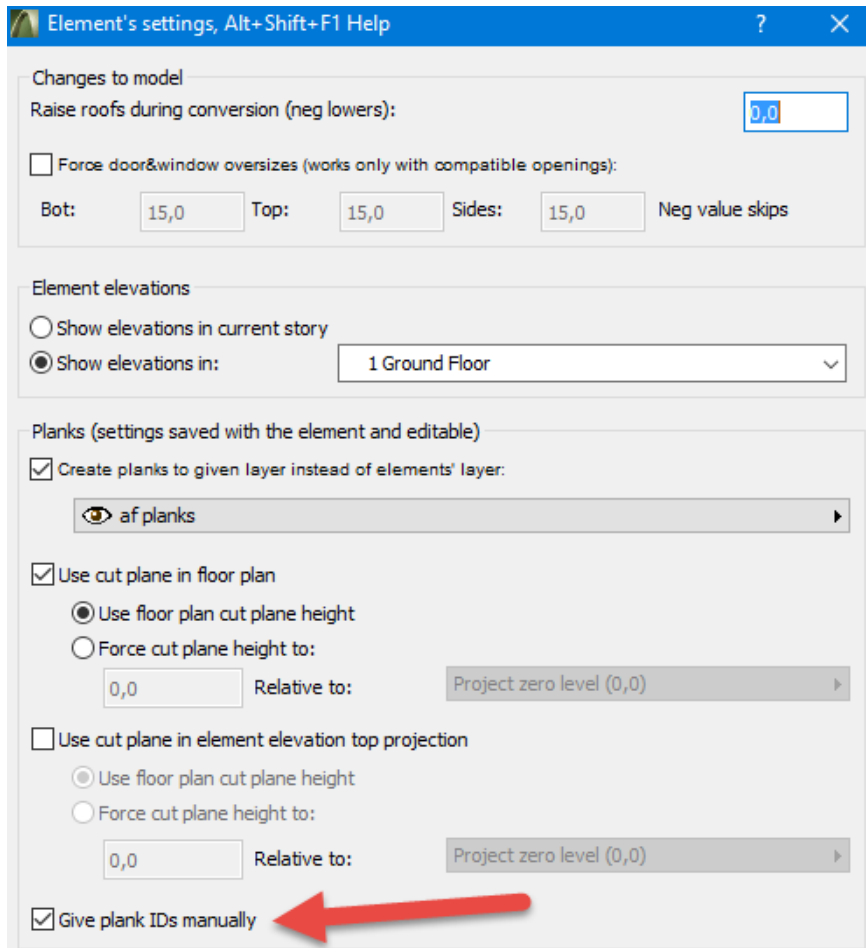
Level relative to: Active floor (3000,0) ▶

Tilt angle (90=Column): 90,00°

Rotation angle:  -90,00°

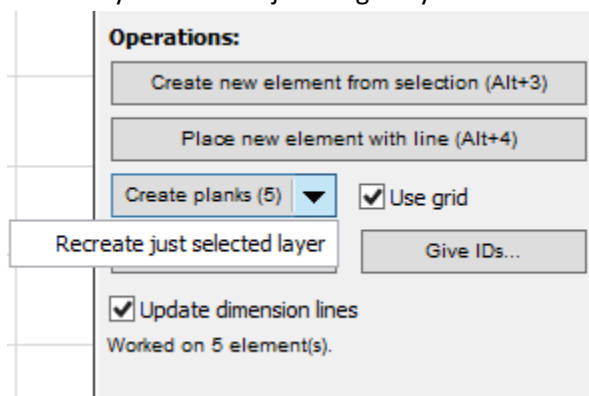
- New template for metal framing
- Horizontal spacing pieces for floor structures did not always come correctly.

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



23rd May 2016

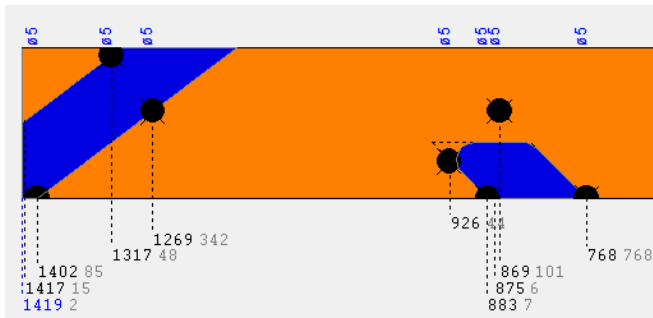
- ArchiCAD 15 support dropped due to usage of newer UI components in ArchiCAD. Now compatible with ArchiCAD 16-19.
- Possibility to recreate just single layer:



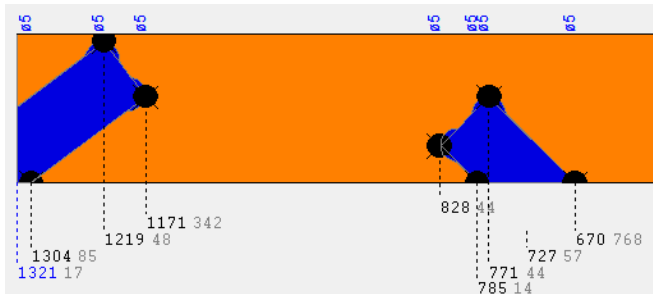
- Possibility to delete nailing by dragging its' begin or end point outside the plank.
- Hundegger bvn-export fix for this kind of grooves:



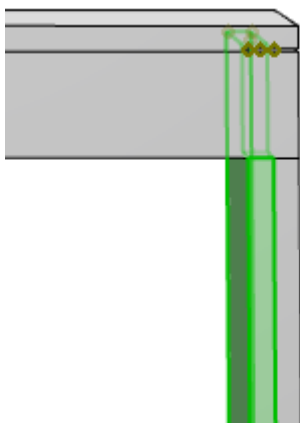
In bvn it was saved as (black dots are drillings):



New version:



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



☒ Double studs to left and right

☐ Lintels no load (set only)

☐ Lintels load bearing (set only)

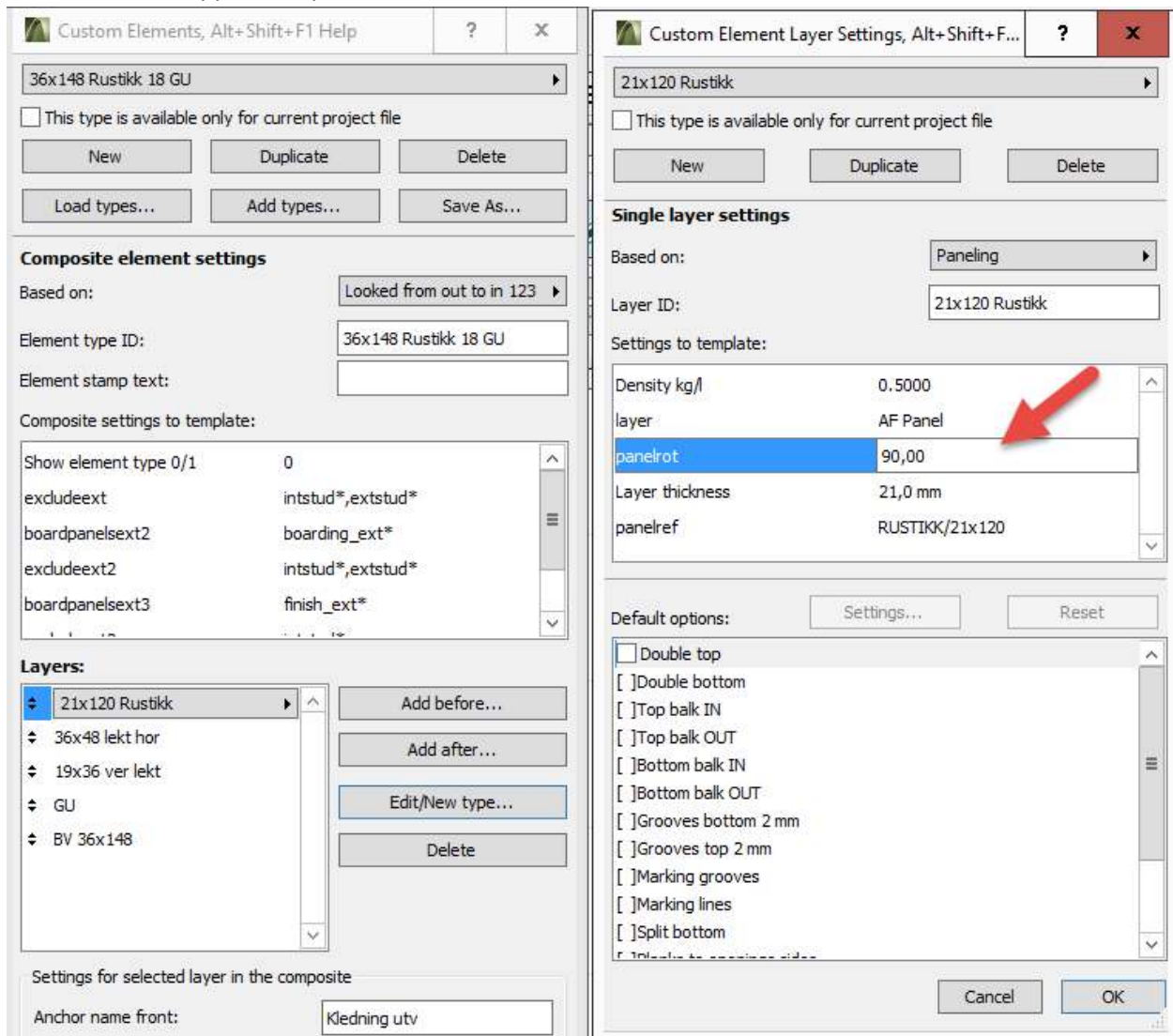
Lintels custom for selected pieces

☒ Apply automatically

Apply (Alt+3)

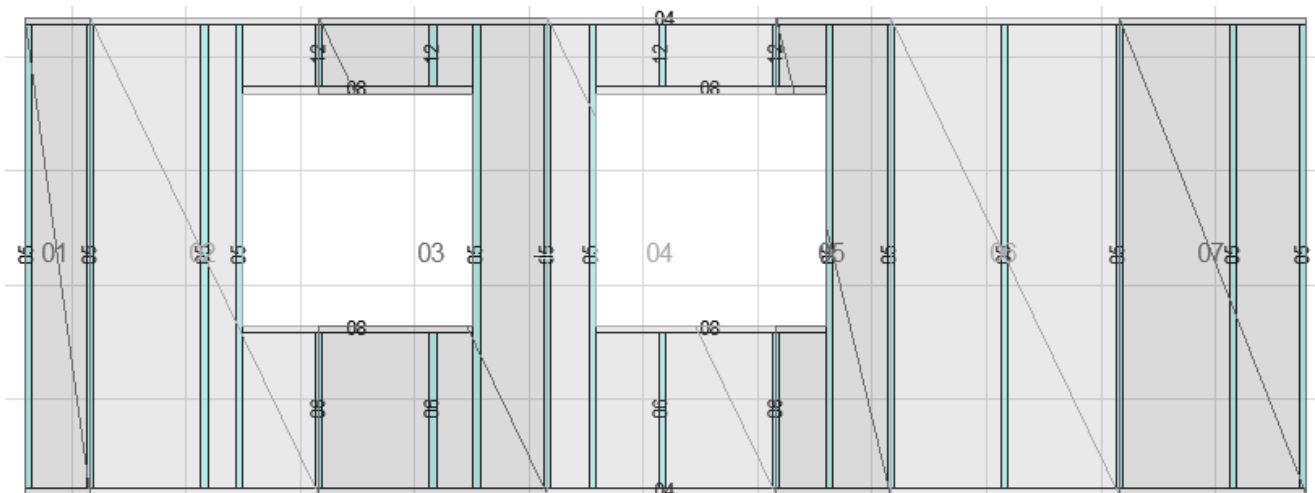
Worked on 1 element(s).

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



26th April 2016

- Diagonal lines for boards on by default:



Can be set off from own element types here:

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

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

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

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

Setting	Value
Write splinter free codes	<input type="checkbox"/>
Write also top and bottom pieces	<input checked="" type="checkbox"/>
Automatically rotate piece/widest side towards table	<input checked="" type="checkbox"/>
Save into separate files based on element IDs	<input type="checkbox"/>
For element-related pieces save just core-layer	<input checked="" type="checkbox"/>

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

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

6th March 2016

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

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

GYPSUM13

☐ This type is available only for current project file

New Duplicate Delete

Single layer settings

Based on: Boarding

Layer ID: GYPSUM13

Settings to template:

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

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

Frame elements, Alt+ Shift+ F1 Help

Get marquee (Alt+2) Empty

Element type: WALL 173+42 PANEL OUTIN

☐ Continuous top and bottom

Levels and offsets:

☒ Top: 2800,0

☐ Bottom: 0,0

Level relative to: Active floor (3000,0)

Layer offsets:

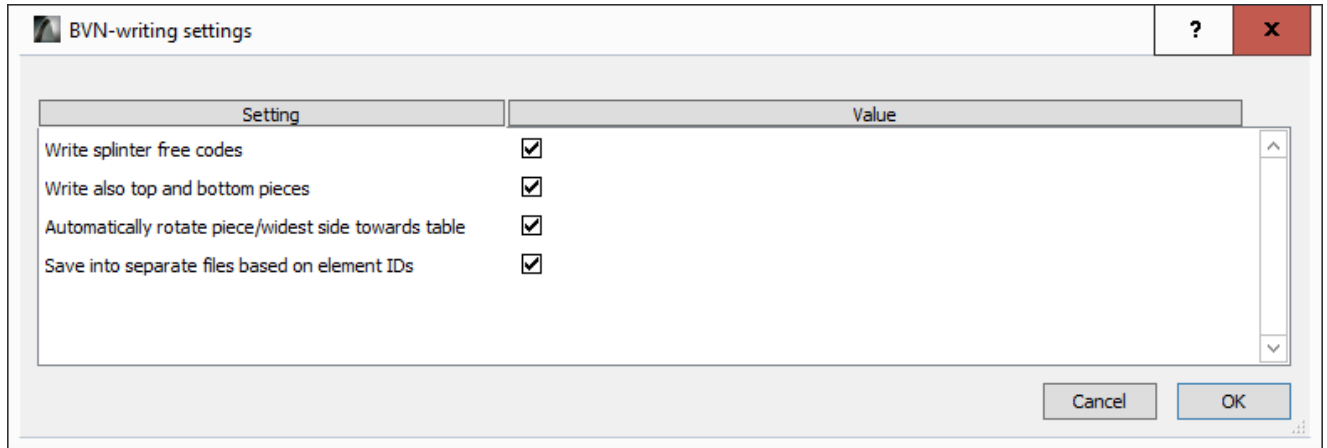
Edges: Bot+50, Top+100

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

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

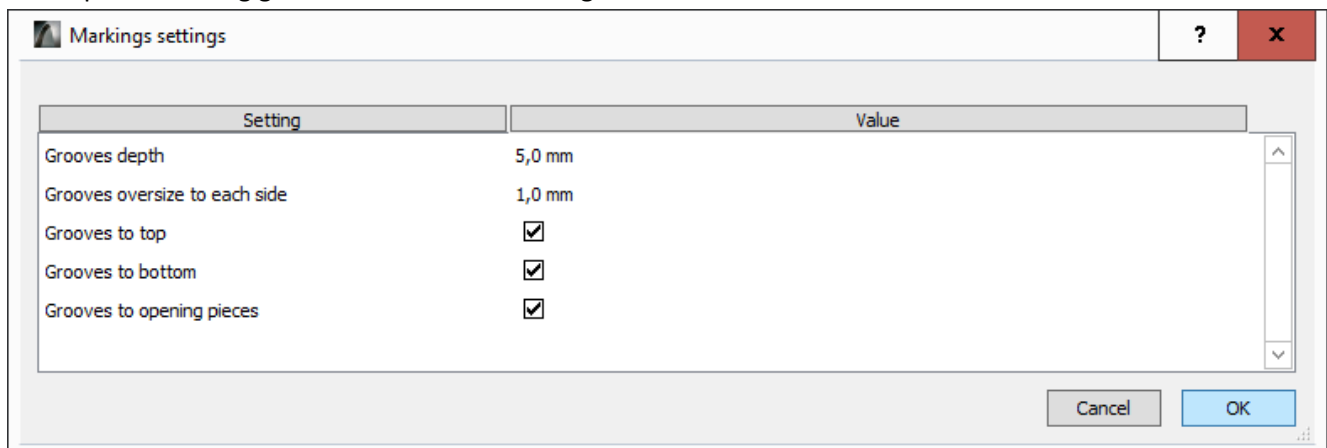
Minimum distance between nails inside plank: 25,0

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

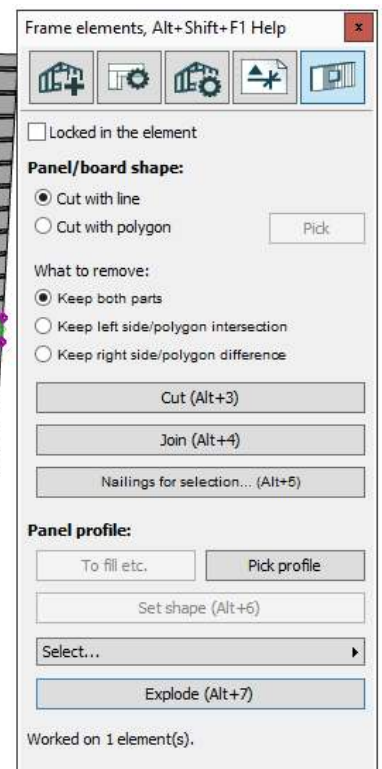
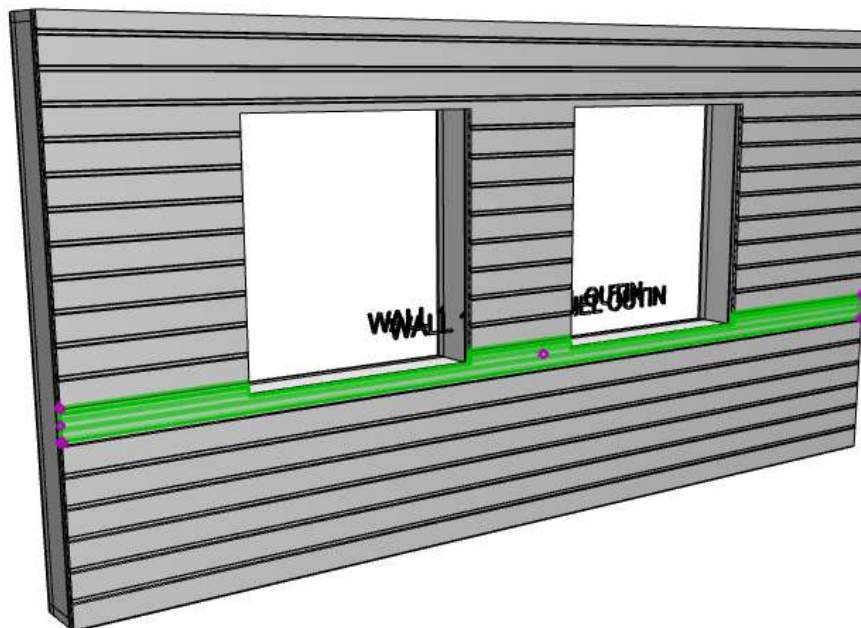
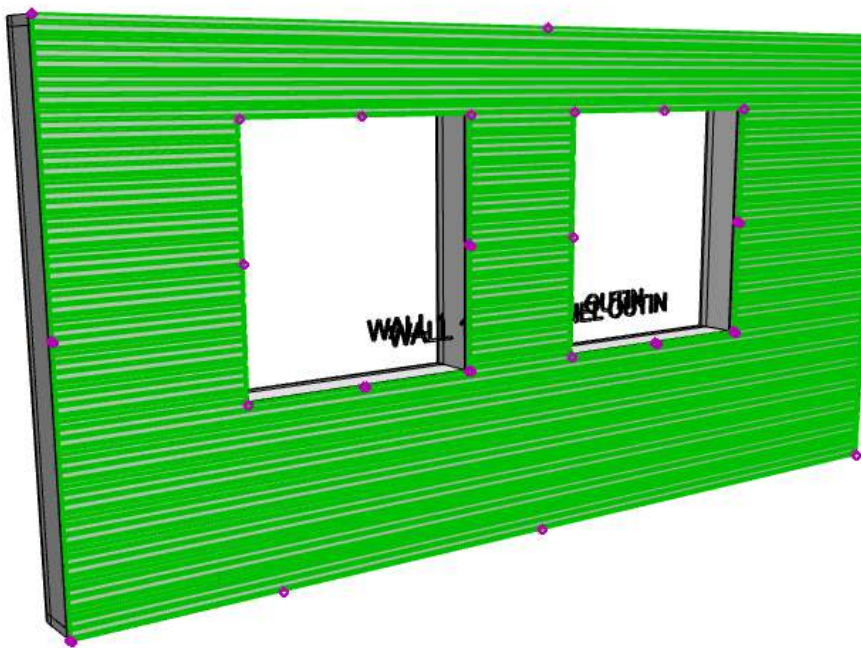


22nd March 2016

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



- Paneling can be exploded to separate pieces:



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

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

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

Plank type: 42x173 ▶

☒ Force type ID: 42x173 IMP ▶

Mat width: 42,0

Mat height: 173,0

Max length: 6000,0

Type: HELLO ▶

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

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

25th February 2016

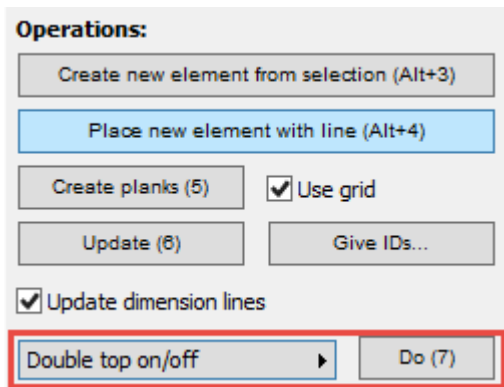
- Fixes to own element types and templates.
- More options for dimension lines including possibility to dimension boards only.

7th February 2016

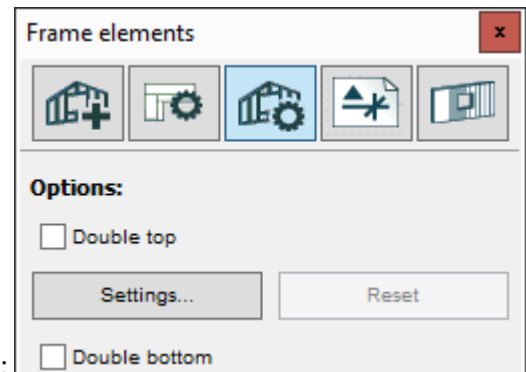
- Context sensitive help everywhere. Press Shift+Alt +F1 or Shift+Option+F1 in Mac.
- Fixes to own element types and templates.

1st February 2016

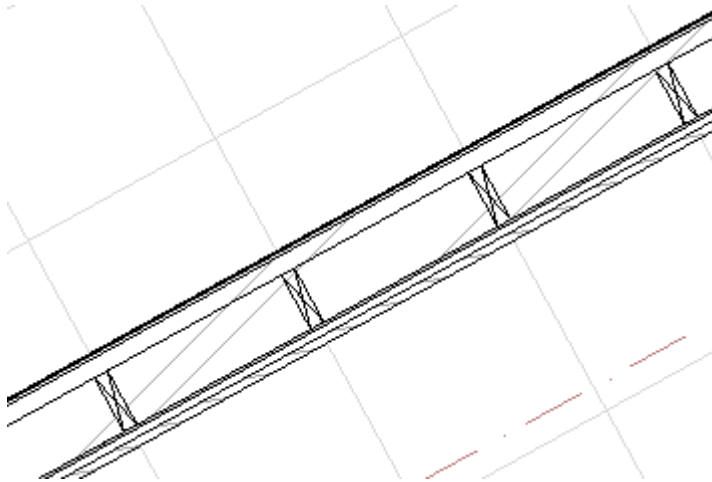
- Removed Element tools/Automations (all these are better done in the element options tool):



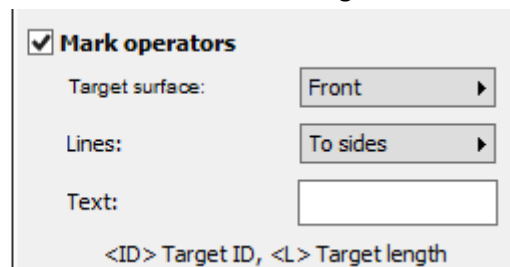
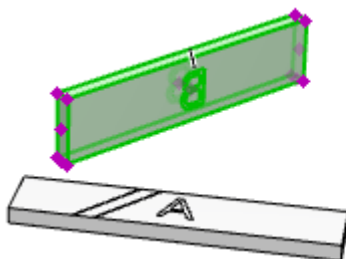
Options still here:



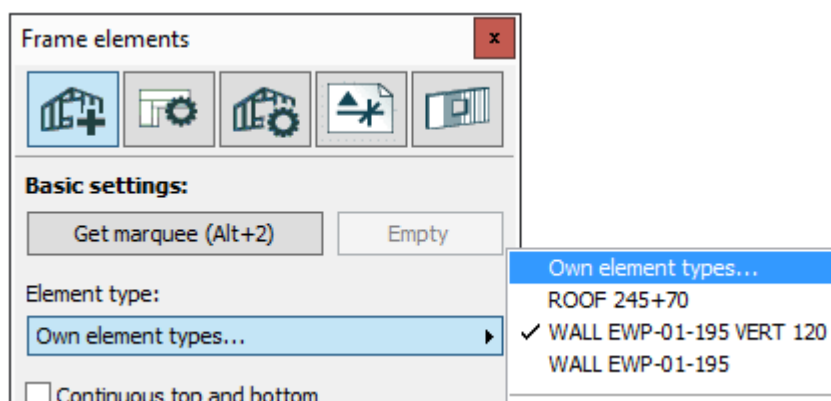
- Rotated grid did not work when creating planks and [x] Use grid was checked:



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

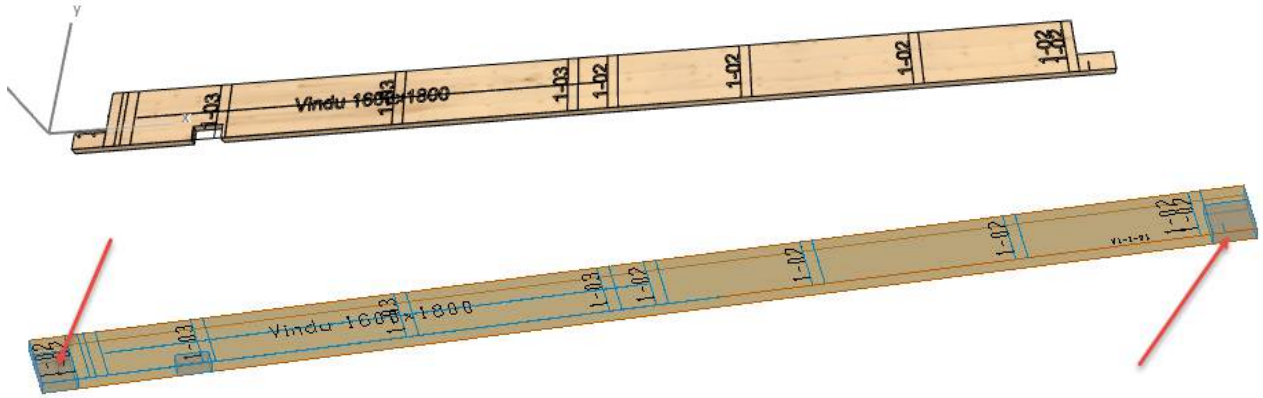


- Own element types/Custom element tools (please search for that text from the manual):



10th December 2015

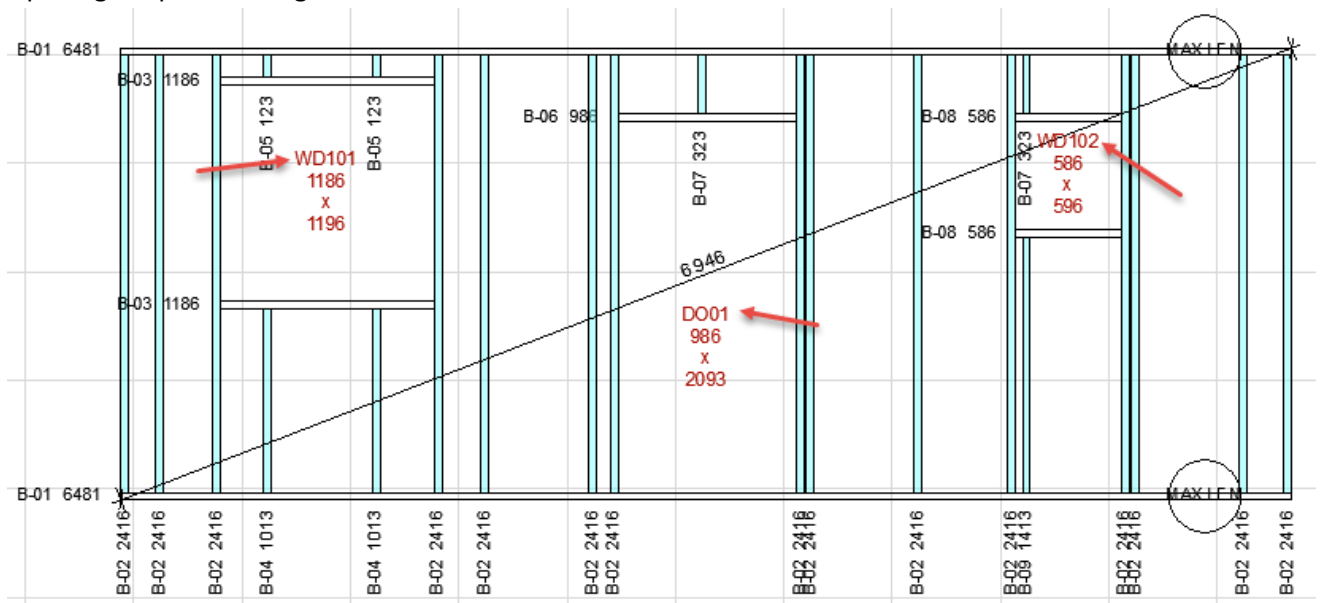
- BTL CNC-output: Grooves at the end of piece may have come mirrored for the bottom plate - fixed:



- Element tool To fill/Pick from fill improved to work with floor plan view if working with 3D elements in floor plan.

30th November 2015

- Mac v19: Error messages were sometimes missing the error message text. Not anymore.
- Now all planks copied/duplicated from element parts will be part of the element. Earlier only if copied one was placed so that it intersected with the element object.
- If using cut plane for a new element that does not intersect with the cut plane (invisible in floor plan), cut plane setting removed for the new element to get element and inner structure visible).
- Opening IDs possible to get into elevations:



The related xml in ArchiFrameElements.xml, bold part is new:

```
<elemmarkings>
```

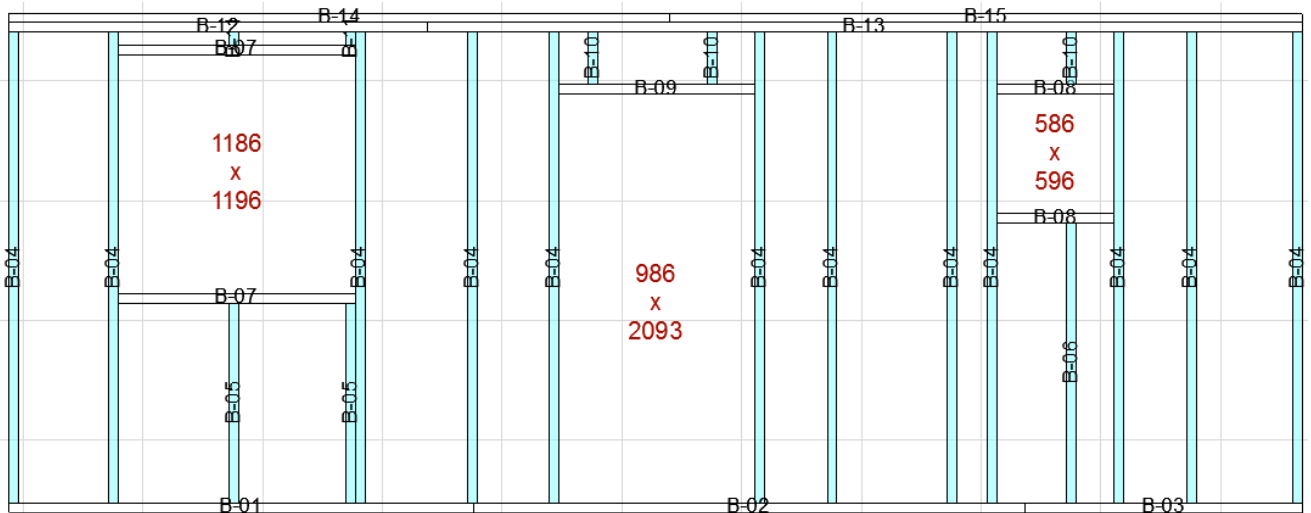
```
  <elemmarking id="mark_opening">
```

```
    <opening text="[id]\n[width]\nx\n[height]">
```

- Element stamp for long wall ID is automatically scaled to fit:

ID LONG ID	Type 198+48	Project Name	Project num 123456
	Date 2015-11-05	Designer <CADTECHNICIAN>	

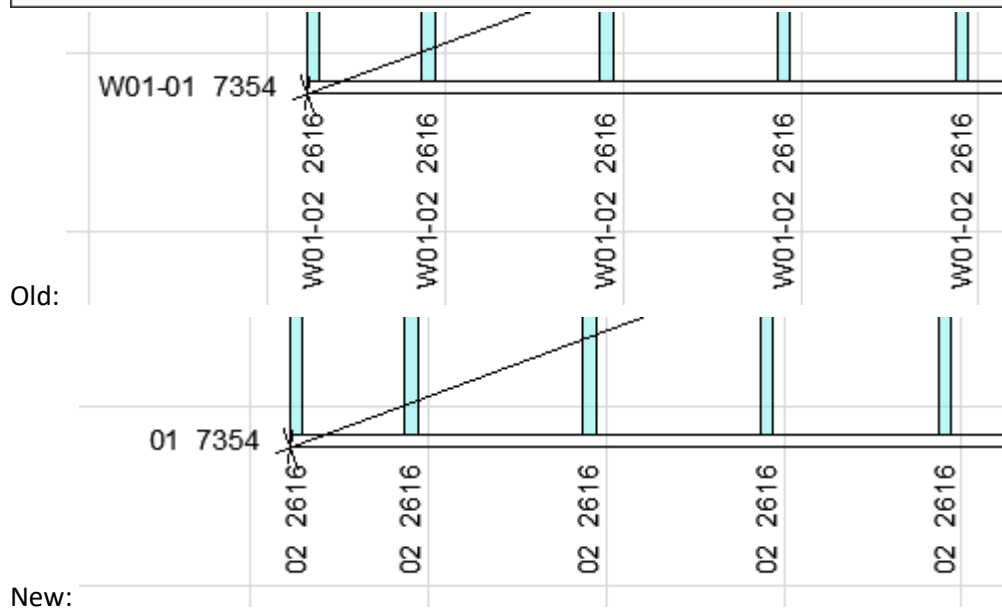
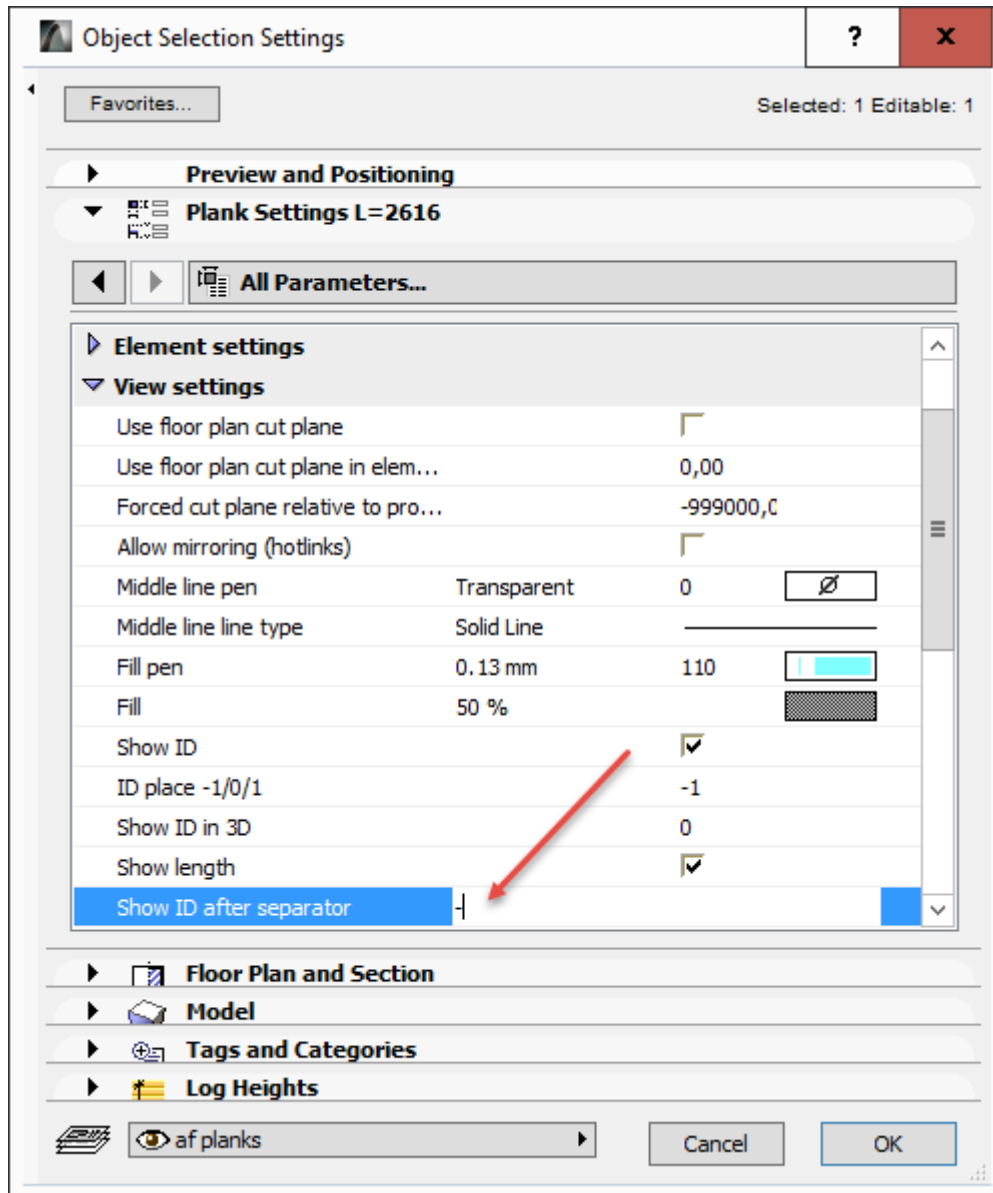
- Top projection will follow Column lines settings for any element tilt angle, also floors and roofs.
- Default sorting of planks changed from global xyz-comparison to compare inside the element: first y, then x and the result is like (bottom and top will get successive numbers):



- Boards in cut list improved
- Similar IDs for planks only if similar unmirrored and direction not swapped. Earlier gave same IDs in this case. To get IDs the old way, edit ArchiFrameBlocks.xml and add attribute elemgeo="0":

```
<cnclimits gromaxdepth="0.160" nailmindistplank="0.0091" nailmindistboard="0.0091" elemgeo="0"></cnclimits>
```

- Possibility to hide element/wall ID in projections for both planks and boards:

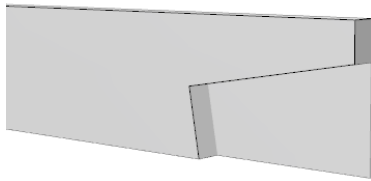


31st October 2015

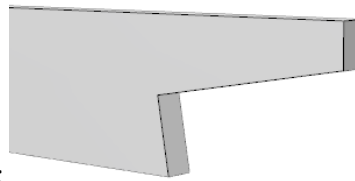
Bug fixes:

- Paste machining ending to an error message (the paste was ok): Fixed

- If plank dimension drawing text was changed to Paper size it became very big at next editing.
- If there was an opaque fill in text elements without border, the border became visible in layouts – fixed.
- Markings for angled and split cut top/bottom woods were not made when updating the element
- Groove 3D visual bug – if the depth was same as plank thickness there may have been a small part left in 3D:



Old:



New:

- Element tool palette top&bottom inputs swapped to more logical:

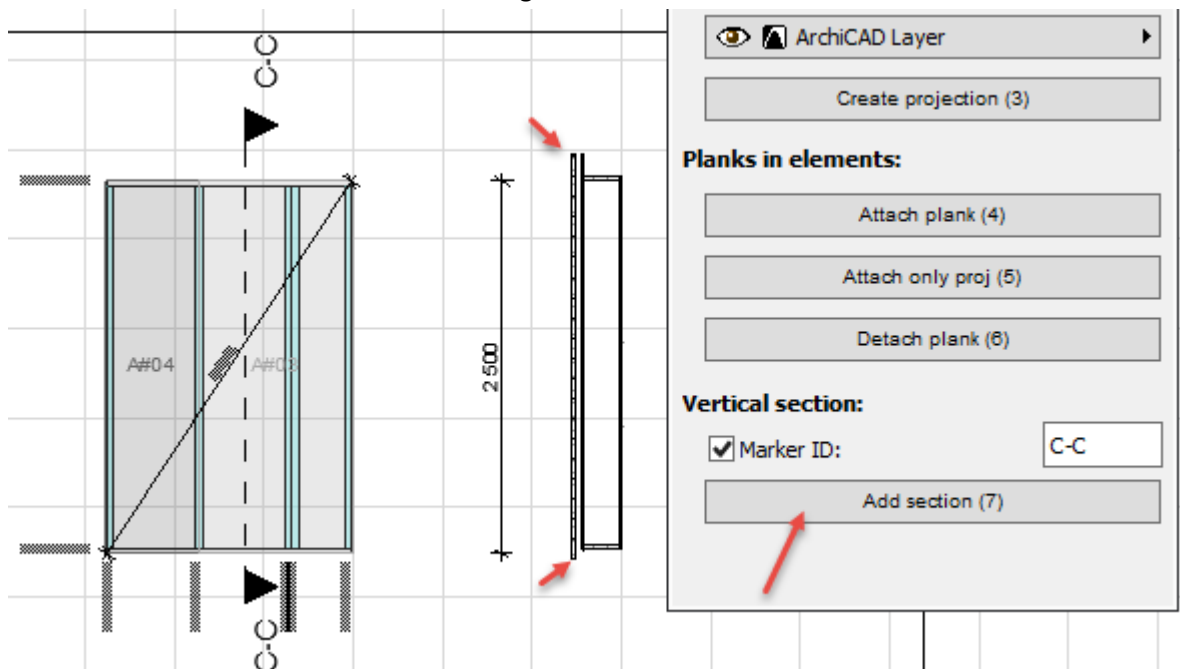
Old:

Force new/set old level:	
<input checked="" type="checkbox"/> Bottom	2835
<input checked="" type="checkbox"/> Top	4452

New:

Force new/set old level:	
<input checked="" type="checkbox"/> Top:	4452,0
<input checked="" type="checkbox"/> Bottom:	2835,0

- Vertical section now scans every element layer and plank&board to find minimum and maximum levels, no need to tweak element levels before adding the section:



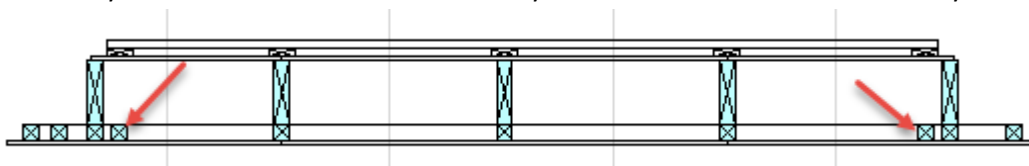
- Board object failed to show itself in element projection if the material was unset/General. AC19 only.

15th September 2015

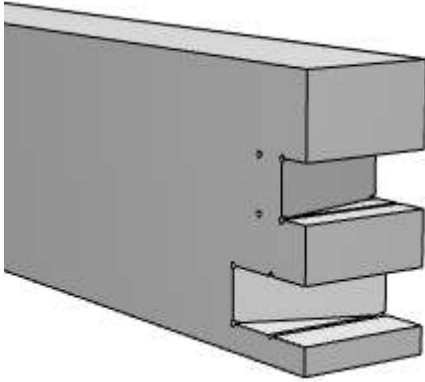
- It speaks German!

Fixes:

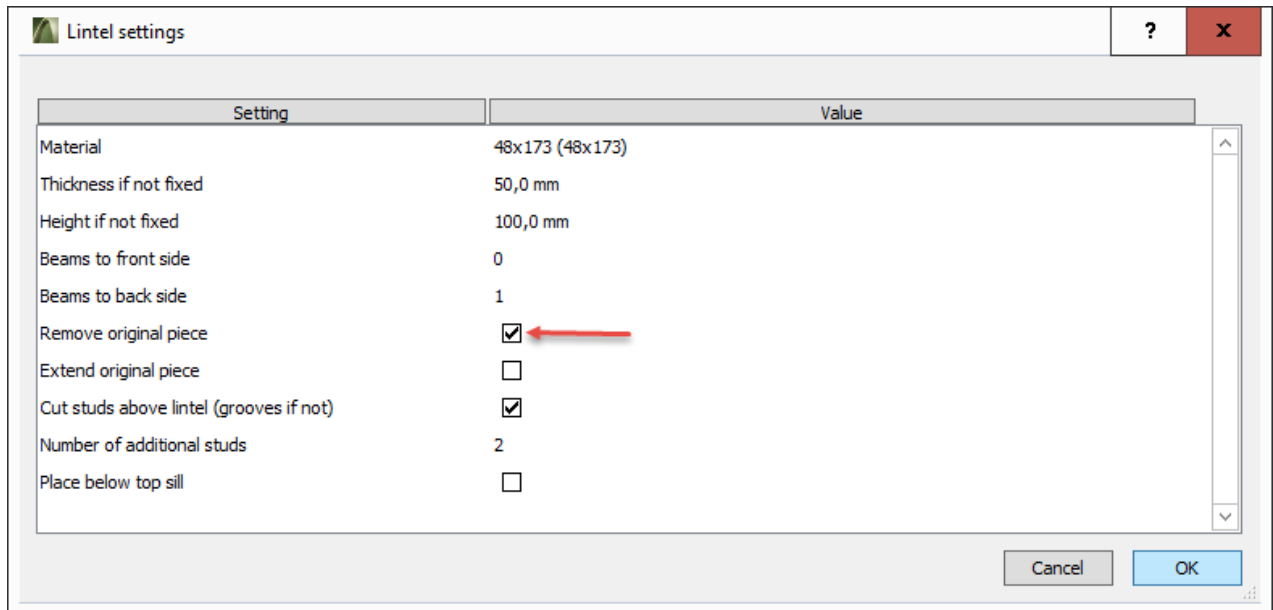
- Recreate boards does not move projections any more
- In multi-layer element inner corners there may have been additional studs initially – now removed:



- Hundegger bvz-creation now writes also horizontal and lengthwise tilted grooves at the ends of the piece:



- Custom lintel creation failed to create the lintel in some cases if *Remove original piece* was checked:



25th August 2015

- Support for ArchiCAD 19 (also 15-18 included in the release)
- Possibility to set plank's ID in listings. Useful if the plank type is seldom used and not worth adding to ArchiFrameBlocks.xml. Also can be used for example to distinguish weatherproofed materials from normal materials:

Plank type: 42x173 ▶

☒ Force type ID: 42x173W ▶

Mat width: 42,0

Mat height: 173,0

Max length: 6000,0

Type: ▶

- [x] Update dimension lines option to preserve any changes made manually to the dimension lines:

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)

- Cut plane option at Element tool/More settings – please see manual 12.4 Add & Edit element tool:

Changes to model

Raise roofs during conversion (neg lowers): 0,0

☐ Force door&window oversizes (works only with compatible openings):

Bot: 15,0 Top: 15,0 Sides: 15,0 Neg value skips

Element elevations

☐ Show elevations in current story

☒ Show elevations in: 2 Second Floor ▼

Planks (settings saved with the element and editable)

☒ Create planks to given layer instead of elements' layer:

AF Planks ▶

☒ Use cut plane in floor plan

☒ Use floor plan cut plane height

☐ Force cut plane height to: 0,0 Relative to: Project zero level (0,0) ▶

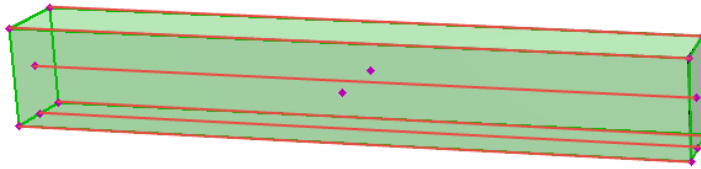
☒ Use cut plane in element elevation top projection

☒ Use floor plan cut plane height

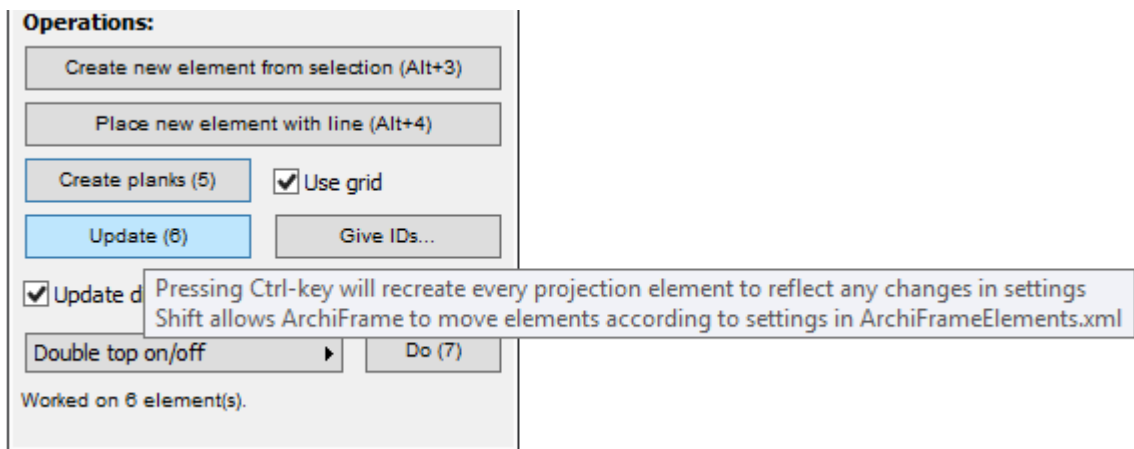
☐ Force cut plane height to: 0,0 Relative to: Project zero level (0,0) ▶

- Option to skip for example element stamp when creating layouts, please look for text skiplibpart from the manual.
- Small fixes:
 - Multilayer element projections: Each layer in each projection are now grouped together instead of having everything inside single projection grouped together.
 - When copy&pasting or drag a copy etc the new pieces are grouped together with old pieces. Works starting from AC18.

- Planks have snapping hotlines connecting begin and end hotspots in 3D and floor plan:

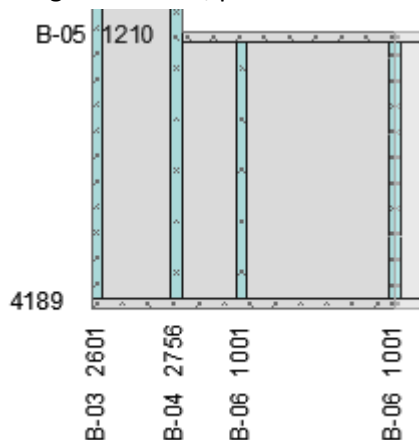


- When changing plank type all settings specific to old and new type are applied to the plank. For example if the 3D material is set to greenish for weatherproofed plank type, it is applied also when changing the type for existing plank. Earlier these settings were applied only to a new piece.
- Element tool/swap viewing direction rearranges also the element layers. Planks need to be recreated as earlier.
- Element tool/change type for multilayer element is now supported. Planks need to be recreated and it may be necessary to update the projections pressing Ctrl- and Shift-keys when clicking *Update*-button:



14th June 2015

- Improved internal framing rules to avoid duplicate pieces inside elements
- ArchiFrameElements.xml: Possibility to specify material for forced pieces
- Nailings for boards, please see section *Nailings for selection* from the manual.



- Bug fixes:
 - If there was a locked plank in multilayer element in other layer than the core, there may have been extra projections after recreating planks.