

## Advance – Steel suite 5.1 / SP3

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This document describes only the improvements in Service Pack 3 from Service Pack 2. The installation of SP3 includes SP2, see previous document for improvements in SP2.

### DRAWINGS

- Manual modifications regarding view / detail positioning are now kept.

The intent is to retain user modifications for the positioning of views and details in the drawing even through modification of the model.

In short, the software will behave as follows:

- After a detail update the views are rearranged not to overlap each other as long as the user doesn't manually move a view. The re-arrangement is done by keeping the main view position fixed in prototype.
- If the user moves a view, during a detail update the views are not re-arranged in detail → all views will remain at their position. The exception is when the scale and / or the clipping of a view are changed then views are re-arranged according to the Detail Style settings.
- Regarding detail position in prototype, a new default was created: "Rearrange details on update if overlap" (*C40\_ArrangeDetailOnUpdate*). This default sets the behavior of detail arrangement when a detail will overlap with another detail after update.
  - when it is set to 1 => if the user did not manually moved a view and / or the detail, the detail will be re-positioned in prototype to not overlap with another detail. If the user manually moved a view and / or the detail, the detail will remain in the same position after Update.

- when it is set to 0 => the detail will not be re-positioned (the verification if the detail overlap with another one is not done at all).

After the user moves views and / or details, these views and details will not be re-arranged. In some situations it can be useful to re-arrange automatically the views/details and for this two new commands were added, available in the **Finishing** toolbar :



*\_AstM4CommDetArrangeDetails*

all details from a drawing will be re-arranged according with the settings from DrawingLayout (*\_AstM5DetSetArranger*). Also, this command will reset the "moved" status of a detail (for the next Update, the detail will behave like it was never moved).



*\_AstM4CommDetArrangeViews*

all views from a detail will be re-arranged according with the DetailStyle settings. Also, this command will reset the "moved" status of the views.

- A new Check box to switch off the checking of the linked (child) documents status in the Document Manager has been added. When not checked the Document Manager opens faster since it does not verify updates.
- When exploding details from the Document Manager, the text was converted to the last font used in the drawing. This has been fixed.
- Drawing label updates from the label designer is fixed
- A specific situation where label name set in the "Label" dialog was not synchronized with the preview has been corrected
- Deletion of customized labels works fine now
- The grip points position is corrected when changing the side of the dimensions text in a detail drawing
- The text font "Stylus BT" in the dimension style can now be used correctly
- Curved beams details update dimensions are now corrected
- For the curved beam linear dimensions with direction "y-axis BentBeam" are corrected and the dimensions are placed correctly
- Improvement to the "Camera at UCS" : in the "Detail box" tab it is possible to adjust the "Rear" depth correct
- DetailFileNameSelector can now have the "\" character in the file name  
This allows the user to configure a process to make some subdirectories by using detailing processes
- Corrected some specific situations when the line type definition was not recognized during detail creation
- A particular case of unfolded drawing creation has been solved
- Some situations with welding preparation views spread apart in the detail have been corrected
- The line font set in the detail explode settings is preserved even after the detail is exploded
- Corrected problems with dimensions in details when rotating curved beams in the model
- After changing prototype files or detail arrangements the details are properly arranged
- Moving or copying a detail doesn't cause crashes anymore
- In the Drawing style manager - Qualifier Set Wizard - line addition and deletion now works fine



- "Model Object Deleted" branch doesn't appear in the Document Manager after updating Stairs and railings joints
- For a specific problem, cut symbols are placed now in the correct position

## **MODELING**

- Assembly number and prefix are active for the eaves beam
- Bolt length parameters are correctly updated in the "Properties" dialog
- Corrected crash when moving a beam contour notch grip point
- Corrected crash when using the "list" command in a particular case

## **IMPORT/EXPORT**

- Some object shortening import / export problems have been corrected
- File type filter in the "Open" dialog supports now \*.s and \*.\* wildcards.

## **LISTS**

- In BOM's the beams weight is now calculated by: physical length \* specific weight, without taking into account the holes and processes. An additional weight was also implemented for BOMs: "exact weight". This weight is calculated taking into account the exact volume of the beam, with all its features. The shipping list contains the exact weight of beams.
- Now the BOM weight attribute contains the rough weight of the beam (the length \* weight per meter) instead of the exact weight. This can have an influence for customised BOM's that make the assumption that the weight attribute it's the exact one.
- Bolts without connection are in the structured BOM Extract when "Structured" extract is used
- An error in DSTV - BOM has been corrected
- An error in calculation of user profiles weight has been corrected

## **NC and DXF FILES**

- Corrected crash when reopening Document Manager after deleting NC files
- DSTV NC corrected when starting DSTV NC after selecting the whole model (in a particular case)

## **MANAGEMENT TOOLS**

- Solved a specific problem related to the automatic start of Management Tools after generating an XML-Extract in Advance.
- Corrected a problem for printing BOM from the Management Tools after setting a different print format.



## **JOINTS AND STRUCTURAL ELEMENTS**

- Some bolts joints errors have been corrected

## **MISCELANEOUS**

- Reopen database – now works for "**ConnectorRelations**" table
- Search tool based on Anchor\_Bolt returns the correct result.
- Solved some problems with weld symbols when saving with Proxy