

List of improvements \ SP2 corrections

Arche Building Structure

- Reinforcement styles corrections : it was not possible before to assign a reinforcement style to a column directly from Arche Building Structure.
- No more crash during the element families manipulation under Windows XP environment.
- Correction of a problem on bill of quantities : since 13.1 version, the storeys' name did not appear anymore in the bill of quantities of Arche Building Structure.
- Improvement of the import report of a model coming from Advance Concrete : the removed elements are listed hereafter in this document.
- Improvement of the link between Arche Structure and Arche Beam for the case when the span between faces (Lnu) from the property page is null : the latter is ignored henceforth.
- Improvement of function « Adjust Slabs ».
- Improvement of the seismic hypotheses sheet.
- Improvement of the function « Double Escape » for canceling a current selection.
- Improvement of the exportation to Advance Concrete in the case of walls with openings.
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All reinforcement modules

- Correction of a problem concerning the project name that did not appear anymore in the reinforcement drawing's title block.
- Correction of the bar schedule during the addition of « user » reinforcement bars : if the reinforcement drawing and the bar schedule were required on two distinct pages, the reinforcement added manually appeared only in the reinforcement drawing.
- Correction of the not taking into account of the color and thickness of the bar mark lines for all reinforcement modules.
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Arche Beam

- Correction of reference marks overlapping in certain cases.
- Improvement of the calculation of right anchorage lengths.
- Improvement of the diameter management of lifting hooks.
- Correction of some reinforcement incoherences in the case of beams with rebates.
- Better management of maxim hooks diameter or no the longitudinal reinforcement.
- Addition of a warning message in the case of upward spans.
- Correction on Newmark combinations that were taken into account systematically during an import from Arche Building Structure : the user option is taken into account henceforth.
- Correction on the message « Transverse reinforcement insufficient » that appeared in an inopportune manner.
- Improvement of the management of splice bars on edge support, in the case of large width supports.
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Arche Column

- Removal of a fatal error during the calculation of a column supporting a very small bending moment.

Arche Footing

- Improvement of sliding verification in the case of horizontal loads in both directions. In these previous versions, the module was too unfavorable.
- Correction of a preliminary sizing problem of footings on foundations that led to too large dimensions.
- Increase of the maximum number of reinforcement bars placed in a footing from 50 to 100 : useful when one wishes to reinforce a large size footing.
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Arche Retaining Wall

- Correction of the option « No reinforcement » for the front face reinforcement : this option did not affect the reinforcement drawing..
- Correction of a problem of taking into account the rib during the sliding verification.

- Correction of a file incompatibility between 12.1 and 13.1 versions for the case when the wall doesn't include any heels.
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Arche Slab

- Correction of a continuity problem for the moment linked with the CAD tolerance when importing from Arche Structure.
- Correction on a problem of taking into account the direction of span during the transition from Arche Building Structure to Arche Slab.
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Arche Plate

- Correction of mesh errors, for a plate coming from Arche Structure, related to the CAD tolerance.
- Minor correction on the tooltip of rolling loads convoys generation.

Concrete Tools

- Correction of a problem of normal efforts input concerning the verification of the stability of a column.

Effel Structure

- Improvement of taking into account the internal surfaces in EF mesh.
- Correction on an error of importation of a skewer model coming from Arche Building Structure.
- Improvement of the function « Double Escape » for canceling a current selection.
- Improvement of the colors management in iso-regions.
- Correction of the thermal expansion coefficient which was wrong after the transition from Arche Building Structure to Effel Structure.
- Correction of a crash when deleting a generalized buckling case.
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Effel Steelwork Design

- Improvement of connections exportation to Melody Connections in the case when « z » is defined as vertical axis in Effel Structure.
- Correction of features, by default, of the S275 steel grade.
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