

Release Notes for RISAFoundation

Version 11.0.4 Enhancements/Corrections

- Enhanced message to include required version number during use of the Director to transfer between programs of incompatibility.
- Corrected an issue that didn't allow program integration for models saved on a shared network location.
- Resolved an issue that was not allowing the program to fully close on exit due to a licensing error.
- Removed false error message of not being able to release subscription license on select machines.
- Resolved an issue that prevented the import of select file types from other programs.
- Resolved an issue that caused solution files to be deleted when transferring between programs.
- Resolved issue of soil regions not being saved after transferring to RISAFoundation from RISA-3D.
- Resolved issue where loads added in RISAFoundation were not saved after transferring to RISAFoundation from RISA-3D.

Version 11.0.3 Enhancements/Corrections

- Updated the IBC 2018 strength load combination Eqn 16-7 for the Load Combination Generator.
- Updated overly conservative soil pressures being used when a retaining wall had a key.
- Corrected an issue where designing footings using 'Group Design' could cause incorrect bearing and sliding checks.
- Corrected the footing setting Force Top bars to require top flexural steel.
- Corrected an issue where certain models would close unexpectedly when using the CSA code with piles and pile caps.
- Resolved a false error shown while displaying soil pressures in color fill slab contours.

Version 11.0.2 Enhancements/Corrections

- Updated the number of cores in processor utilized for solver to decrease solution time.
- Corrected an issue where designing masonry wall footings using the TMS 402-16: ASD code with no applied shear force would cause the program to unexpectedly close.

Version 11.0.1 Enhancements/Corrections

- Resolved an issue where graphically deleting design strips would cause the program to close unexpectedly.
- Resolved an issue where custom saved Drawing Grid settings would prevent program integration from RISA-3D.
- Corrected an issue relating to metric unit conversion which resulted in design check value of infinity (reported as '-nan(ind)') in Soil Pressures spreadsheet.
- Corrected a problem where a strip footing in tension would show zero axial capacity.

Version 11.0 Enhancements/Corrections

- Analysis:
 - Added compatibility with IBC 2018.
 - Added *ASCE 7-16* load combinations in the Load Combination Generator.
 - Added a passive pressure option to slabs to account for sliding resistance.
 - Added the ability to apply soil overburden loading to slabs.

- Improved footing design optimization by ensuring that the final thickness is considered in the moment calculation.
- Retaining wall earth pressure coefficients will now be automatically re-calculated to assume the at rest condition when the passive forces exceed the active forces.
- Fixed an issue where top bars were not designed for footings despite the "Force Top bars" option being selected.
- Corrected an issue where retaining walls with shear keys used overly conservative soil pressures for sliding checks.
- General:
 - Added overturning and resisting forces per load category to the Safety Factor spreadsheet.
 - Added sliding and resisting forces per load category to the Safety Factor spreadsheet.
 - Fixed a problem where the Material Takeoff Volume and Weight for slabs incorrectly displayed as zero when the model is saved and re-opened.
 - Fixed a display issue in the Footing Results spreadsheet where pedestal dimensions were not updating properly.
 - Corrected a problem where the optimized shear steel would not fit in the member due to metric unit conversion.
 - Resolved an issue where pile punching shear parameters were not transferred properly when solved with all CPU cores.
 - Corrected a graphic display error where distributed loads were shown with the reverse sign.
 - Corrected a display problem where the 4/3rds design check was erroneously converted when using metric units.
 - Fixed issue that caused page numbers to repeat when "Create PDF" was used to print a report.
 - Resolved an issue where wood material Error Code 1095 was produced during solution without having any wood members.
- Integration:
 - Corrected an error where RISA-3D to RISAFoundation slab models allowed moment to transfer across a pinned slab edge.