

# Release Notes for RISAFoundation Version 1.1

## Version 1.1 Enhancements / Corrections

- Separated RISAFoundation and RISA-3D variables to allow proper saving from within RISAFoundation when model is linked to RISA-3D.
- Fixed an error in exporting a footing DXF where the output on the footing schedule did not match the graphical view of the footing.
- RISA-3D/RISAFoundation link is improved; fast, efficient.
- RISAFloor/RISA-3D/RISAFoundation data are saved into a single file.
- RISAFoundation solution can now be saved when it runs under RISA-3D.
- Added a sparse solver to speed up solution times and reduce memory requirements.

## *Concrete Design Enhancements / Corrections*

- Added ACI 2005.
- Changed  $F_y$  in the rebar layout dialog so that it is tied to stress units to be consistent with definition of  $F_y$  in the Design Rules.
- Fixed bugs related to rebar optimization for extremely, extremely wide beams.

## *Wall Enhancements / Corrections*

- Corrected a units bug for line load / wall reactions.

## *Loading Enhancements / Corrections*

- Increased Load Combination limit to 5000.
- Corrected units bug in the conversion of line load. This issue affected both RISAFoundation line loads and gravity wall load reactions from RISAFloor.

## *Miscellaneous Enhancements / Corrections*

- Improved dialog behavior by highlighting the Use? Checkboxes and added in a Clear Use Boxes button.
- RISAFoundation file now saved within RISAFloor or RISA-3D file for linked files.
- Improved Sorting in various results browsers.
- Added in better status bar support for Dual Monitors.
- Added restrictions on spreadsheet printing for Demo versions. Now limited to a maximum of 5 rows for each spreadsheet.
- Corrected report printing to re-adjust report widths to allow for wider / Landscape pages.
- Corrected a bug where copying and pasting from results browsers could result in a memory error based on an "out of range" spreadsheet setting.
- KeyID added to input file.
- Demo Versions will now run out of HKEY\_Current\_User if Local\_Machine is unavailable.
- Ability to turn off the time / date stamp.

## Version 1.1.3 Corrections

- Corrected a serious bug that could result in the deleting of embedded RISAFoundation data from a RISA-3D model. If a RISA-3D file with embedded RISAFoundation were saved without having first viewed the Footing data during that session, then the Foundation information would NOT be embedded in the 3D file.
- Corrected a bug related to the reading of the results file. There were instances where saved results were being discarded even when they were present and valid.
- Corrected a bug associated with the Self Weight of Lateral walls that were brought into RISAFoundation from RISAFloor. Essentially the self weight of the wall was being included twice.
- Corrected a bug associated with the saving and retrieving of drawing grids.
- Corrected a bug with the optimization of concrete reinforcement for beams. The bug would have prevented the program from adding steel that is above the min flexural steel requirements.