

Release Notes for RISAFoundation

Version 7.0.1 Enhancements/Corrections

- Installation & Licensing Updates:
 - Released an update version of Sentinel RMS License Manager to be compatible with Windows Server 2012 R2.
 - Fixed the Network.ini behavior to allow for the file to be placed in the root RISA directory and still be seen by the client installs.
- Miscellaneous Updates:
 - Added the ability to save a video of the animated deflected shape and mode shapes.
 - Added links to all Warning Log messages that take you directly to the relevant section in the help file.
 - Added a graphic verification that confirms if you are running in a demonstration version.
 - Changed the name of the Global Parameters dialog to Model Settings. Changed the name of the Plot Options dialog to Model View Options. Changed the name of the Preferences dialog to Application Settings.
 - Corrected an issue where the footer for PDF reports was not included on the last page.
 - Corrected an issue that caused a pedestal in a RISAFoundation/RISA-3D integrated model to display incorrectly in Metric units.
 - Corrected the DXF export display for metric Footings Details.
 - Corrected an issue where sliding and overturning safety factors calculated for slab foundations could erroneously count self-weight multiple times.
 - Corrected an issue where the units for moment did not convert in the detail report when changes were made to the units selection preferences.
 - Corrected the RISAFoundation Report Allowable Bearing text that stated "Net" instead of "Gross".
 - Fixed an issue where, for one-way shear checks for pile caps, the program was not verifying the "w" and "Vu" were occurring on the same side of the pedestal. Check the "One Way Shear Checks for Pile Caps" section in the help file for more information.
 - Corrected a footing design problem when solving an empty load combination (no loads applied).
 - Fixed a conservative units issue with footings where the x-direction As Provided was wrong if using Metric units.
 - Fixed a problem where the internal PDF writer would print spreadsheet results as images rather than text, causing PDF sizes to be much larger than necessary.

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Enhancements

- Wall Footing Enhancements
 - Added a strip footing element for gravity design.
 - Added a wall pedestal element to transfer wall loads into a mat slab.
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 - Added a custom wall footing generator which includes a wall pedestal, slab and custom design strips.
- Added the ability to include design and analysis of circular pedestals and posts for footings and slabs in RISAFoundation.
- Added an Enveloped Soil Pressure Results spreadsheet to make it easier to find maximum bearing pressures.
- Updated the Copy tool to include an option for copying unattached points.
- Improved slab overturning and sliding checks to now consider thickened slabs and slab openings.
- Improved Install Behavior
 - Improved ability of Network Client versions to find a license server.

- Reorganized all files (databases, defaults, etc) into new subfolder locations.
- Added an option in the installer to install to the Program Files and Documents folders.
- Improved the capability of tnx Tower to integrate with RISA-3D and RISAFoundation. Previously RISAFoundation input would not be read in after the .rt3 file was created.

Corrections

- Corrected a RISAFoundation slab meshing issue where having points too close together on a slab edge would cause an error.
- Corrected load combination equations for the SBC 301 2007 Saudi Arabia code.
- Fixed the status bar in the Wall Footing Definition Editor, which was always blank.
- Fixed a problem where atypical wall footing dimensions could cause images to be cut off in printouts.
- Fixed a problem where saving drawing grids in a RISAFloor, RISA-3D and RISAFoundation integrated model could ignore saved grids in certain cases.
- Addressed a slab meshing tolerance issue related to continuous grade beam foundations.