

# Release Notes for RISAFoundation

## Version 6.0.2 Enhancements/Corrections

- Eliminated the need to manually edit the Windows registry for Network Client Installations.

## Version 6.0.1 Enhancements/Corrections

- Added the ability to use Canadian, Mexican and Saudi region defaults.
- Licensing:
  - Added an auto-save during a Windows shut down.
  - Updated the program to allow remote desktop connections for standalone versions.
  - Created an install / initialization log file to better diagnose commuting issues
- Added an external utility to specify a license server for network client installs to use.
- Fixed a problem with Design Strips where the program erroneously gave a warning about rebar spacing.
- Corrected a problem with the Load Combinations where entering a factor while leaving the Category blank resulted in incorrect loads being applied to the model.
- Addressed a units problem in the program that was previously giving erroneous pedestal axial force and capacity values.
- Fixed a units problem in Retaining Walls with the vertical component of soil loading on sloped backfill soil.
- Fixed an error where line load labels were previously controlled by the "Beam Label Font" under Tools Preferences.
- Fixed a problem with Design Strip reinforcement design where a design may provide  $4/3A_s$  req'd even if that is larger than  $A_s$  min flex. The program will now use  $A_s$  min flex in this scenario.
- Fixed an issue where RISAFloor/RISA-3D/RISAFoundation integrated models with generated lateral loads and flexible diaphragms did not pass all Load Category information into RISAFoundation.
- Corrected an issue where Footing thickness changes during optimization may not have been fully reflected in soil bearing values.
- Corrected an issue related to Design Strip reinforcement area and spacing.
- Corrected an error where the number of bars in the Design Rule was not being taken into account for the Mn capacity of beams.
- Fixed a crash related to deleting and redrawing a slab opening when in isometric view.

## Version 6.0 Enhancements/Corrections

### *Enhancements*

- Enhanced Report Printing options:
  - Added the ability to include Detail Reports.
  - Added the ability to include RISA Screen Shots/Graphics.
  - Added the ability to include non-RISA images.
  - Now the user can add a Custom Logo to the report header.
- Ability to perform slab on grade design for slabs with a thickness of 3" or more. The previous minimum thickness was 6".
- Added Posts to define punching shear perimeter for posts/racks bearing on slab on grade.
- Added the Material Takeoff spreadsheet to the Results toolbar.
- Added a toolbar option to view Retaining Wall properties.
- Added Windows 8.1 compatibility.
- Increased the maximum number of slab sub-regions (opening thickened regions) to 500.
- Increased the maximum number of Design Strips to 1000.

- Updated the Node/Member labeling so that labels are synchronized in combined RISAFloor/RISA-3D/RISAFoundation models.
- Updated Design Strip behavior for reinforcement, limiting the design to the values defined in the Design Rule. Previously the program would design reinforcement to meet code requirements, regardless of the Design Rule.
- Moved registry information from HKey Local Machine to HKey Current User to better comply with Windows best practices.
- Added the display of “reinforcement below” graphic to equally spaced footings.

### **Corrections**

- Corrected an inconsistency when using pedestal dimensions with a greater width than depth.
- Corrected an issue that causes the units in RISAFoundation to be off when both the units are changed and an Undo is performed in RISAFloor or RISA-3D in a combined RISAFloor/RISA-3D/RISAFoundation model.
- Corrected an issue where some footings with zero height pedestals would not report a governing load combination.
- Corrected the Phi factor for plain concrete to be 0.60 for ACI 318-08 and ACI 318-11. Previously 0.55 was used for all ACI codes.
- Corrected an issue where converting between imperial and metric units erroneously allowed the user-input retaining wall rebar spacing to increase.
- Corrected z-direction As provided in footing detail report.
- Corrected the Contour Display tool that had been broken in a previous release.
- Corrected an issue where a units change would not update if an Undo command occurred after the units change.
- Corrected an issue with corner punching shear for pedestals on a slab, where the program could conservatively use the calculated stress from the free corner. In a corner condition the program should only check the stress at three of the four corners (ignoring the free corner).
- Corrected an issue with edge punching shear calculations for pedestals on a slab, where the program was only checking the two interior corner punching shear stresses. Now the program checks all four corners and uses the maximum stress demand.

were no 'Release Notes' for Version 1.0.0 of RISAFoundation.