

# Release Notes for RISAFoundation 3.0

## Version 3.0.0 Enhancements/Corrections

### *Pile and Pile Cap Feature*

- Added the ability to model pile supports for mat foundations and grade beams, including capacity checks and punching shear checks.
- Added the ability to model and design pile cap elements, including:
  - Pile layouts based on the CRSI handbook.
  - Individual pile capacity and punching shear checks.
  - Pile cap reinforcement design and shear checks using the beam analogy.
- Full detail reports with pile cap dimensions and all design calculations.

### *Enhancements/Corrections*

- Added network file security to prevent multiple users from opening / editing the same file at once.
- Added the self weight of slab pedestals into the analysis. Previously this was excluded for all but spread footings.
- Updated the names assigned to all design code options to match ANSI naming convention.
- Corrected an issue where some report printing sections were printing out the wrong sections.
- Corrected an issue with the Revit Link where RISAFoundation data embedded in a RISA-3D model could get stripped out of the model after round tripping to Revit.
- Corrected an issue with incorrect pedestal design loads when a line load runs through the pedestal.

## Version 3.0.1 Enhancements/Corrections

### *Enhancements/Corrections*

- Added the governing LC to the pedestal code checks section of the footing detail reports.
- Increased the maximum number of design strips from 100 to 200.
- Changed a misleading Warning Log Message to be more descriptive. Instead of "Not enough solution data", the message will now inform the user that their results were generated by an older version of the program.
- Improved behavior of pile cap reinforcement design when strength parameters governed the design. The program would previously give the provided steel requirement exactly equal to the required steel. The program now presents the exact area from the number of bars selected.