

Release Notes for RISAFloor

Version 10.0.2 Enhancements/Corrections

- Made significant improvements to the behavior of Subscription licensing, including adding the ability to view current license usage.
- Corrected the maximum wall limit used in the Copy command.
- Corrected the way the results are reported for wood headers when multiple load combinations are considered
- Fixed an issue with grid line generation to allow grid lines to be inserted at the beginning of an existing project grid.
- Sped up the program launch time of RISAFloor considerably.
- Fixed a problem where the program would give an erroneous warning log message about walls being unsupported.
- Updated the program so that walls and columns on a beam floor that land on a deck would get their loads attributed to the floor below rather than having a boundary condition generated

Version 10.0.1 Enhancements/Corrections

- Concrete Floor Slabs:
 - Added a message to the 32-bit version explaining that Concrete Floor Slabs cannot be created/solved in this version.
 - Results are no longer cleared when editing the Slab Design Rules spreadsheet.
 - Fixed an issue where drawing invalid openings or thickened regions on a RISAFloor ES slab could cause valid openings or thickened regions to be deleted.
 - Corrected an error in the printed report in which it only included slab input information for the bottom-most floor level.
 - Removed the four inch thickness limitation for shear caps.
 - Corrected an issue with one-way concrete slab floors with re-entrant corners.
 - Fixed a mesher error in slab models where openings are drawn adjacent to beams.
- Concrete:
 - Governing load combinations for concrete beam shear and bending code checks have been added to the results spreadsheets and member detail reports.
 - Added a "13M" bar option to the *ASTM A615M* rebar set.
 - Fixed a problem with concrete beam code checks where a location other than the actual maximum force location was reported on a fixed-pinned beam.
 - Updated a beam reinforcement design issue where the bottom reinforcement provided was over conservative.
- Hot Rolled Steel:
 - Moved beam camber options into a Member Design Rule which can now be entered for each member individually.
 - Added a manual camber value which will force a specific value and override the camber design rules.
- Wood:
 - Added the ability to use Effective Length (K) Factors for both stud and chord axial compression design in wood wall panels.
- Wall Panels:
 - Corrected a problem that caused overconservative shear forces at the ends of masonry lintels, wood headers and regions above concrete openings.
 - Fixed a mesher error with wall panels in RISA-3D that was caused by RISAFloor data.
 - Added a tool to delete all wall panel regions. Regions are automatically regenerated the next time a model is solved.
- Analysis:
 - Added live load reduction for beams and columns in RISA-3D models linked to RISAFloor.
 - Updated warning messaging for columns and wall panels that are unsupported on multi-story structures.
 - Added warnings to avoid bad framing caused by nested circuits.

- RISAConnection Integration:
 - Added an automatic repair when opening models with corrupted Connection Rules.
 - Corrected an error where RISAFloor connection results would not properly link to the RISAConnection model.
- General:
 - Removed the Tools - Merge Current Floor feature as this is no longer in use.
 - Added an option for subscription licensing.
 - Updated the wording in message boxes about Shape Database changes to clarify the behavior.
 - Corrected an error with the Find tool on the Hot Rolled tab of the Beams spreadsheet.
 - Fixed a problem that caused the program to crash when opening saved results with a very large number of transient loads.
 - Fixed a problem where the program would shut down at solution time due to changes made in the unbraced length code.
 - Fixed the Save As Defaults capability for the Deck Definitions spreadsheet. Previously some of the deck information was not being saved.
 - Corrected an error about exceeding the number of plates when trying to copy nodes.

Version 10.0 Enhancements/Corrections

- Steel:
 - Added an SJI virtual joist database and associated design list.
 - Added missing AISC 6th edition double angle shapes to the AISC_Historic database.
 - Fixed a problem where single angle KL/r was being incorrectly reported in the detail report for Canadian codes.
 - Corrected a display issue with composite steel beam detail reports when no precomposite load combinations were solved.
- Concrete:
 - Added the *ACI 318-14* concrete code.
 - Added drop panels to two-way elevated slab design.
 - Added thickened slabs to two-way elevated slab design.
 - Corrected an error in the Material Takeoff spreadsheet for one-way concrete slabs with non-default directions.
- Masonry:
 - Added a masonry wall summary detail report.
- Wood:
 - Added the *AWC NDS-2015 (ASD)* wood code.
 - Added *NDS-2015* Mechanically Graded (MSR & MEL) material databases.
 - Updated the Custom Wood Materials spreadsheet to allow more specific material input (material Type and CF size factor).
 - Updated Weyerhaeuser Trus Joist materials in the wood SCL material database per updated published values.
 - Corrected an error where the custom wood material strengths were not properly reflecting the unit selection.
 - Corrected an error where the Canadian wood design System Factor (KH) was not properly assigned for built up members.
 - Fixed an error where the Canadian wood design System Factor (KH) would not save with the model.
- Cold-Formed:
 - Added 4" and 8" HDS shapes to the Dietrich Cold-Formed Shape database.
- Program Integration:
 - Corrected an issue that added extra dead load into a slab floor semi-rigid diaphragm once brought into RISA-3D.
 - Fixed an issue in combined RISAFloor and RISA-3D models where end offsets were causing an incorrect error which prevented the model from solving in RISA-3D.
 - Fixed the auto-generation of boundary conditions in walls over semi-rigid diaphragms in a combined RISAFloor/RISA-3D model.

- Corrected a problem in the integration between RISAFloor and RISAConnection where an invalid connection could cause the program to shut down.
- Corrected RISAFloor models to now save the unbraced length of beams set in RISA-3D.
- Corrected a problem where using the "Insert New Line" on the Design Rules spreadsheet would shift the design rules assigned to everything on RISAFloor/RISA-3D/RISAFoundation integrated models.
- General:
 - Added the ability to graphically view the SuperDL deck loads.
 - Fixed an error where Canadian *NBC 2005* seismic design period (T_a) values were not being saved with the model input.
 - Improved the solution convergence behavior for a member that is unable to optimize.
 - Corrected a problem where the programs won't close down properly from the taskbar.
 - Fixed an issue with the graphical display of enveloped reactions displaying with the opposite signage.
 - Corrected an issue where the RISAFloor ES design detail reports were using dimension units for the displayed deflections rather than the deflections dimensions designated in the Units dialog.
 - Corrected an issue with multiple slabs where the first slab without an opening or region would cause the program to shut down.
 - Fixed a Warning Message that indicated failing members that didn't exist on a concrete floor.
 - Fixed a floor solution convergence with floors where all members are explicitly defined.
 - Fixed an issue that would cause blank deck information.
 - Corrected an error where applied wall panel Design Rules would blank out when a new line was added to the top of the Wall Design Rules spreadsheet.
 - Corrected a bug where moments would not transfer from an outrigger into a column which supported no other members.
 - Corrected an error which caused a model to shut down when area loads and decking were applied over regions without a diaphragm edge.
 - Removed an incorrect error message about a lateral element being supported by a gravity element where the element is supported at an intersection of a lateral and gravity element below.
 - Fixed an error where the time stamp was no longer showing up on printed reports.
 - Fixed a problem with Help files not working when the program was installed to a folder with a period in the name.
 - Updated the orientation of a landscape image so the image is rotated counter-clockwise instead of clockwise.