Release Notes for RISAFloor

Version 8.0.2 Enhancements/Corrections

- Eliminated the need to manually edit the Windows registry for Network Client Installations.
- Fixed a metric units issue with Column Forces where they were much higher than they were supposed to be.
- Corrected the Dyn Mass for Line Loads and Point Loads in RISAFloor ES. Previously these types of loads were not considered in the seismic weight of slab floors.

Version 8.0.1 Enhancements/Corrections

ES (Elevated Slab) Floors

- Added Elevated Slab design, including:
  - One-way and two-way slab design.
  - Punching shear calculations.
  - Automatic or user defined Design Strips.
- Round concrete beams were removed from RISAFloor.
- Added the "Service" checkbox to the Load Combinations spreadsheet and the supporting XML files.
- Corrected an issue with L-beams that didn't indicate the correct negative reinforcement width in the Detail Report.

Beam Supported Floors

- Updated the design of the Wall Panel Editor dialog. This includes adding the saving of wall drawing grids and viewing wall panel nodes within the editor.
- Added an external utility to specify a license server for network client installs to use.
- Added a new unbraced length code "Lbyy" for Lcomp-top and Lcomp-bot, which allows you to reference and use the Lbyy unbraced length.
- Redefined the blank/empty condition for the Lcomp-top unbraced length so that it now uses the full length of the physical member.
- Added a new unbraced length code "Framing" for Lcomp-top and Lcomp-bot, which allows intersecting beams and the deck to provide bracing to the top flange, and intersecting beams to provide bracing for the bottom flange.
- Synchronized unbraced lengths in RISAFloor models so that they cannot be contradictory with the embedded RISA-3D model.
- Updated wood I-Joist behavior to allow multi-span conditions. Previously the program would not allow continuous wood I-Joists to be drawn.
- Added 2012 to the IBC Live Load Reduction reference for report printing.
- Composite beams with composite deck on only one side will now be designed as composite beams with zero effective flange width on one side. Previously they were not designed as composite.
- When disabling Column Eccentricity on lateral beams in RISAFloor, the rigid end offsets are now reset to zero in RISA-3D.
- Added warning to notify user when the design code type (ASD vs LRFD) does not match the load combinations.
- Removed the reporting of erroneous seismic detailing information from the Global Parameters portion of the printed report.
- Fixed an issue that allowed Aluminum to be imported into RISAFloor from Revit.
- Corrected an issue where copying Wall Panels from floor to floor caused the openings to flip about the Wall's vertical axis.
- Corrected an error with passing the wrong tributary area from an upper floor wall panel to lower floor wall panels.
- Corrected wood wall panel design optimization to now account for the smallest required spacing as well as the highest UC value.

- Fixed a problem in a combined RISAFloor, RISA-3D and RISAFoundation model where saved RISA-3D and RISAFoundation results could be erroneously erased.
- Fixed a units problem for vibration analysis where beam accelerations were reported in their actual units rather than a percentage, which made the value off by a factor of 100. This was only the case for beam accelerations and not for panel accelerations.
- Fixed an issue in the design of Concrete Shear Reinforcing in RISA-3D where Floor interaction could cause some over conservative tie spacing.
- Fixed a problem for Cold Formed Steel members where fully braced members would provide a lower moment capacity than non-fully braced members.
- Corrected an issue with RISAFloor models where Wall Panel distributed loads could get corrupted when "Detaching" the model in RISA-3D.
- Fixed a problem in the calculation of Cb for some cantilever members in the AISC 360-10 code.
- Corrected a code check calculation error for an axial member in compression when using the AA ADM1-10: ASD Building Code.
- Corrected an issue with wood wall headers where a code check of 99 would be given if there were no wood load combinations in RISA-3D.
- Licensing enhancements:
    - 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.

Version 8.0 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.
- Added the ability to model outriggers off of column members (cantilevers with no back span).
- Added a Trim/Extend tool.
- Enhanced Concrete Design Rules to give a dialog with an image to show exactly what is being updated. An easier explicit reinforcement option is also available.
- Added ASTM A1085 material and Design Lists to U.S. program defaults.
- Added compatibility with Windows 8.1.
- Masonry wall updates:
    - Added the Icr Factor and Effective Height Factor, K, to be used for masonry wall design and analysis.
    - Added many additional pieces of information to masonry wall detail reports to make hand verification easier.
- RISA-Revit Link enhancements:
    - RISA wood walls now export sheathing and nailing information into Revit.
    - Added a parameter to Revit Levels to specify which Levels should be exported into RISAFloor.
    - Set default splice distance to 3.5 feet above the floor level below when exporting to RISAFloor.
- Moved registry information from HKey Local Machine to HKey Current User to better comply with Windows best practices.
- Added the ability to turn off the input of Detailing Information used only for exporting information to a steel detailing program.
- Updated the Node/Member labeling so that labels are synchronized in combined RISAFloor/RISA-3D/RISAFoundation models.
- Added Design Rules to Columns spreadsheet in RISAFloor.
- Added a Warning Log message to notify users if they have a column that lands on a floor below that is not landing on a beam, column, or wall. The load is not automatically transferred to the floor unless there is an element below.

Corrections

- Corrected an issue where some lateral columns or walls were giving an erroneous warning message about being supported by a gravity only element.
- Corrected an issue with the AISC Design Guide 11 vibration calculations where concave slab edges could incorrectly flag some beams as being located at the slab edge.
- 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 a Camber Increment of 0 could cause the program to get lost in an infinite design loop.
- Corrected a problem in the Modify Design dialog where using the “Segment” command would instead result in “0” input as the unbraced length instead.
- Corrected a bug with the Canadian Composite Rib Height to account for studs being measured above the rib.
- Corrected a problem in the Column Results spreadsheet with spreadsheet value coloring. Previously red coloring was being used for the Lift column rather than the Code Check column. Now code checks greater than 1.0 are shown in red.
- Updated the Composite Deck databases to use the correct self-weight. Previously the weight of the metal deck itself was not included.
- Corrected a problem that was caused by running the envelope solution in RISA-3D under RISAFloor. If there were gravity-only walls and an envelope solution was run in RISA-3D the program would shut down.
- Corrected an issue with seismic dynamic loads applied as line loads where some of the loads would not be considered.
- Corrected an error with the Delete Unattached Nodes function which would delete the nodes associated with the base of a column if it was supported on the lower floor by a beam.
- Corrected an error where the K value was always being taken as zero in the deflection calculation for wood I-Joists.
- Corrected an issue where columns were not properly considered in skip loading for cases where cantilevers frame into the column.