

Release Notes for RISAFloor

Version 16.0.5 Enhancements/Corrections

- General:
 - Fixed an issue that prevented reading exchange files properly which is required for REVIT integration.
- Spreadsheet:
 - Corrected an issue that prevented the beam label from being shown correctly in the title bar of the web opening spreadsheet dialog box.
- Detail Report
 - Revised the web opening miscellaneous check warning messages within the detail report.

Version 16.0.4 Enhancements/Corrections

- Concrete:
 - Added the analysis and design of Welded Wire Fabric Design for elevated slabs.
- Hot Rolled Steel:
 - Added the design of web openings to steel beams in RISAFloor.
- Wood:
 - Added wood flexible diaphragm region design.
 - Corrected an issue where the legend of the wood diaphragm display may not get updated properly when multiple region design rules are assigned.
 - Resolved an issue where the modify wood diaphragm region tool may always apply to all regions instead of the selected regions.
- General:
 - Enhanced display of steel joist labels in DXF output to be at the center beams instead of at the ends.
 - Improved the behavior with the Modify Slab Edge tool that would have caused the program to close unexpectedly.
 - Fixed column stack spreadsheet behavior that prevented selected cells from moving to the next cell when the Tab key was pressed.
 - Corrected an issue that treated certain Other Loads (e.g. OL1) as Seismic and Wind Loads when integrated into RISAFoundation.
- Detail Report:
 - Corrected a rare issue that would cause the program to close unexpectedly when viewing a Detail Report for a general masonry wall with openings.
 - Resolved an issue prevented masonry lintel capacity values to be saved and read correctly within the solution file.
- Interface/Graphics:
 - Resolved a minor display issue in the warning log that displays dash lines with an extra symbol A.

Version 16.0.3 Enhancements/Corrections

- Updated the interoperability between RISA programs and RISA-Revit link.

Version 16.0.2 Enhancements/Corrections

- Composite:
 - Resolve an issue that caused the program to occasionally close unexpectedly if a B(eff) value of 0 was entered for a non-composite steel member.
- Concrete:

- Fixed an issue in calculation of the size effect modification factor (λ_s) in ACI 318-19 code when metric units are used.
- Wood:
 - Corrected a rare instance where a unity check greater than 1.0 would be calculated for wood members exceeding l/d of 50.
- Steel Joist:
 - Corrected an issue where the joist material set was displaying as aluminum material.
 - Resolved an issue where joist girders were not properly designed when using the shape name designation xxG or xxGxxN.
- Operations:
 - Enhanced the program behavior to produce an error message where there are too many interior nodes on a physical member or wall.
 - Corrected an issue where the System Factor, KH, would erroneously reset back to 'None' after closing the model.

Version 16.0.1 Enhancements/Corrections

- General:
 - Removed an erroneous warning message in RISAFloor during startup saying “steel code check not calculated” for columns governed by RISA-3D sizes.
 - Resolved an issue that prevented the solutions file from being read when reopening the file from within the program.
- Concrete:
 - Corrected an issue where users could manually input non-concrete columns supporting elevated concrete slabs.
 - Resolved an issue that caused the program to close unexpectedly when slab elements were degenerate.
- Masonry:
 - Implemented larger reinforcement spacing options for Masonry Wall Design.
- Spreadsheet:
 - Clarified the Units being used for Wall Panels in the Material Take Off spreadsheet.

Version 16.0.0 Enhancements/Corrections

- Cold Formed Steel:
 - Added the analysis and design of face-to-face cold formed steel members and tubes.
- Concrete:
 - Added the CSA A23.3-14 concrete design code for concrete wall panels.
 - Fixed a rare occurrence that would cause the program to unexpectedly close when defining a user defined region for a slab.
 - Corrected a rare instance where a thickened slab region / opening could not be deleted.
- Hot Rolled Steel:
 - Added the AISC 360-10 and 360-16 code checks for WT and double angle shapes
- Steel Joist:
 - Added Steel Joist Design to SJI 45th Edition Standard Specifications.
 - Updated LH joist design tables to include the expanded load tables per SJI 45th Edition Load Tables.
 - Corrected a display issue where the depths of K joists were not displayed correctly in the Shape Selection dialog under the SJI 43rd and 44th codes.
- Design:
 - Added ASC steel deck to the default deck database.
 - Improved the optimization algorithm for sloped members.
- Analysis:
 - Added the ability to analyze and design Hanger Columns in RISAFloor.

- Resolved an erroneous error during the solution that members are overlapping.
- Corrected a rare instance where shear calculations for slabs were not calculated.
- Solution:
 - Added functionality to prevent the solution process from going into an infinite loop causing the program to close unexpectedly.
 - Enhanced the meshing routine to better handle complex models and added a Full Model Alignment tool which will shift node coordinates to align vertical elements.
 - Corrected an issue where the program closed unexpectedly when clearing results.
 - Resolved an issue with the slab mesher that caused duplication of plate nodes.
 - Fixed an issue that caused the program to show no bending code check for members when the combined bending and axial demands on the members are close to zero.
- Operations:
 - Enhanced the ability to draw area loads and decks past the overhang at the edges of beam supported decks.
 - Enhanced the copy tool to allow the copying of skewed project gridlines.
 - Resolved an issue that prevented assigning splice connections of a column within the Column Stack Manager.
 - Addressed a behavior that would cause a model to close unexpectedly when opening multiple concrete beam detail reports in a sequence.
 - Enhanced functionality to allow modifications to slabs, openings and thickened regions.
 - Fixed an issue where creating a slab opening at drawing grid snap points would sometimes cause the program to close unexpectedly.
 - Resolved an issue where copying elements from one floor to another was causing the program to close unexpectedly.
 - Resolved an issue where trying to copy a column on a parent floor would cause the program to close unexpectedly.
 - Corrected a rare instance where the program was preventing the deck from being deleted.
- Detail Report:
 - Resolved an issue where the program would close unexpectedly when trying to open a detail report.
- Reporting:
 - Resolved a scaling issue with printing reports when the display scale for the screen is set to anything other than 100%.
- General:
 - Enhanced the behavior of the program to change unrecognized deck types to the default deck type.
 - Improved detective behavior of self-intersecting area load polygons.
 - Updated the location where user data files are stored during default installation to prevent certain file access issues.
 - Resolved an issue when solving a model with Composite Joists with no loads being applied that caused the program to close unexpectedly.
 - Fixed a rare instance where the program does not prompt to save the model when opening a different model.
 - Resolved an issue of shape/properties mismatch after deleting custom shapes in the database.
 - Updated text of 'Material Strengths' units to 'Material Stiffness' to better match the property the units represent apply to.
- Interface/Graphics:
 - Corrected an issue that prevented the Change Elevation of Selected Points tool from sloping in some scenarios.
 - Resolved an issue that caused a model to close unexpectedly when using the Generate Infill Beams tool in certain types of models.
 - Corrected a rare instance where the deflected shape of a single element in a model was inaccurate.
 - Fixed an issue that erroneously reported a message pertaining to BLC factors which are only used in RISA-3D.
 - Resolved an issue that caused the program to display 'No support for lateral column or wall at (X,Z)' warning at a location where there are no lateral elements.