Release Notes for RISAFloor

Version 17.0.2 Enhancements/Corrections

- General:
  - Converted to cloud-based subscription licensing.

Version 17.0.1 Enhancements/Corrections

- General:
  - Added a search bar to quickly search and access commands and spreadsheets in the program.
  - Added quick hotkeys on highly repetitive commands (e.g. draw columns, draw beams, etc.).
  - Added a new feature to export results spreadsheet data to Excel spreadsheets.
  - Added a new feature to directly assign an explicit shape when drawing a beam or column.
  - Added a button to direct users to the RISA feedback page.
  - Enhanced backward compatibility when the program cannot recognize model file data generated from future versions.
  - Fixed a graphical issue where the wind speed in the wind loads dialog was displayed in imperial units instead of metric units when changing the model's unit settings to metric.
- Operations:
  - Improved the program behavior to properly save all default files when updating the programs.
- Concrete:
  - Added a new rebar design option to optimize slab design based on average steel area per slab width instead of integer number of bars.
  - Updated program to correctly calculate Vc for longitudinal reinforcement by taking the larger value between equations a and b in Table 22.5.5.1 of ACI 318-19.
  - Implemented provisions to distinguish between the compression strength capacity of walls and columns according to CSA A23.3-14, where it was previously undifferentiated in the program.
  - Resolved an issue that caused a misleading warning regarding explicit rebar spacing during solution.
  - Corrected the equation used to determine the axial tension capacity of concrete columns from ACI Section 22.4.3 to ACI Section 22.4.2.
- Integration:
  - Added continuous beam over column connection integration support from RISAFloor to RISAConnection.
- Masonry:
  - Corrected an issue that displayed incorrect masonry rebar.
- Wood:
  - Updated the wood SCL LVL database for Roseburg based on latest design values.
- Detail Report:
  - Resolved a graphical issue for a model integrated from RISAFloor into RISA-3D where the LL Reduction checkbox was not visible in enlarged force diagrams.

Version 17.0 Enhancements/Corrections

- General:
  - Added compliance with the 2021 International Building Code.
    - Added Load Combination generation compatible with 2021 International Building Code.
    - Added compatibility with AISI S100-20, AISI S240-20 and S400-20
  - Compatibility with RISA-3D V21.0.0 and RISAFoundation V15.0.0.
  - Resolved an issue that beams with negative floor elevation offset due to floor sloping with cantilever beams may be recognized as invalid.

    - Corrected an issue with models that have sloping floor with negative elevation offset may cause the program to close unexpectedly.
- Hot Rolled Steel:
    - Added a new button in the Member Properties Dialog to allow modifications of web opening data through the web opening spreadsheet..
- Solution:
    - Corrected an issue that prevented composite design from being performed when composite deck properties E and G were set to 'Auto Calc'.
- Interface/Graphics:
    - Corrected an display issue that the composite stud Fu input may have incorrect unit display in the input dialog.
    - Resolved a display issue in detailed report that CFS member may show incorrect demand and capacity nomenclature (e.g. Pn/Om vs. phi*Pn) for ASD and LRFD design.