Release Notes for RISA-3D

Version 23.0.1 Enhancements/Corrections

- Design:
  - Added compatibility with IBC 2024.
  - Added steel seismic design per the AISC 341-22 / AISC 358-22.
  - Added masonry design per TMS 402-22 code.
  - Added wood design per NDS 2024, including compatibility for both the 2018 and 2024 NDS Supplements.
- Integration:
  - Added integration support for HSS Beam to Column Moment Connection to RISAConnection.
  - Added a warning message to indicate vertical diagonal brace members cannot be transferred to RISAConnection when a continuous beam exists at the top.
  - Resolved an issue where no warning was provided when assigning invalid shape types to moment connections when integrating with RISAConnection.
  - Improved retention of increased member sizes selected with Suggested Shapes in RISA-3D so that changes are preserved in RISAFloor when re-running the solution.
- Interface/Graphics:
  - Corrected the units and magnitudes displayed for integral values in the Contour Diagram tool for Plate, Wall Panel, and Slab force diagrams to ensure results reflect the selected force type and units.
  - Fixed an issue causing failing shear unity checks in masonry walls (ASD) to not display in bold red text.
  - Corrected the label in the Add Concrete Material dialog to display "Compressive Strength, f'c" instead of "Yield Stress" for concrete materials.
- Masonry:
  - Corrected certain cases in flexural capacity calculation for masonry lintels to use the effective depth to the centroid of tension reinforcement instead of the full cross-section depth.
  - Resolved the seismic shear capacity check in the masonry wall Detail Report to display Pass when phiVn exceeds Vsu, aligning with the Wall Panel Design Spreadsheet.
  - Corrected the ASD in-plane masonry design shear spacing calculation to include gamma_g.
  - Corrected seismic design Vns, Vnm calculations for special reinforced masonry walls per TMS 402-16.
  - Corrected certain cases in masonry design shear calculations to use dv, net shear length, instead of effective depth d.
  - Improved the logic for determining overall Pass/Fail of masonry seismic design so the Detail Report and Results Spreadsheet display are consistent.
  - Corrected the allowable bending stress of masonry from 1/3Fm to 0.45Fm for lintels.
- Licensing:
  - Fixed the Borrow/Return toggle in the licensing dialog to allow users to release a borrowed license as intended.