Release Notes for RISA-3D

Version 23.0.0 Enhancements/Corrections

- General:
  - Updated installers to support Remote Mass Deployment through tools such as Microsoft Intune.
  - Updated Telerik .NET libraries to the latest versions to address security vulnerabilities.
- Design:
  - Added ASCE 7-22 / IBC 2024 Load Combination generation.
  - Added Wind and Seismic loads generation per ASCE 7-22.
  - Added design Response Spectra per ASCE 7-22.
  - Added member design per the AISC 360-22 (16th edition) steel specification.
  - Corrected Sy calculation for hot-rolled steel double angle shapes when using CSA codes.
- Integration:
  - Added a note in the RISAConnection anchorage Detail Report indicating seismic load combinations were imported from RISA-3D and seismic provisions were not considered.
  - Resolved an issue where RISAConnection integration did not select the correct column when columns shared a node with a beam.
  - Corrected an error message to read 'Invalid member type' instead of 'Invalid connection member shape' to more accurately reflect the cause of the issue.
  - Fixed an issue where column splice integrations to RISAConnection incorrectly used member end forces from the incorrect column instead of consistently taking them from the physically top column.
  - Changed behavior so that a Continuous Beam over Column connection assigned at the bottom of a column in RISA-3D does not transfer to RISAConnection.
  - Fixed an issue where HSS T-Connection tube orientations were incorrect for connections integrated to RISAConnection.
  - Corrected the graphical representation of HSS T connections by updating the moment direction to align with the applied load orientation in RISA-3D.
  - Fixed an integration issue to RISAConnection where identical connections with different labels were incorrectly grouped under a single label or assigned the wrong label in newly created models.
  - Fixed an issue where, in rare cases, incorrect shear load transfer occurred for diagonal brace connections during integration to RISAConnection, resulting in inconsistent beam end forces.
  - Fixed an issue where, in rare cases, Diagonal Vertical Brace Connections failed to integrate to RISAConnection due to incorrect beam orientation detection caused by short beam length.
- Printing/Reports:
  - Fixed an issue where the units in data exported from the Time History Trace dialog did not match the model’s specified units.

- Detail Report:
  - Corrected a typo in the Cold Formed Steel (CFS) Detail Report where the area unit was shown as ksi.
- Aluminum:
  - Fixed an issue where user-specified section properties (Zzz, Zyy) for aluminum shapes were not applied in design.