Release Notes for RISAConnection

Version 13.0.2 Enhancements / Corrections

- Added compatibility between RISAFloor/RISA-3D and RISAConnection for Column Cap Plate Moment connections.
- Added compatibility between RISA-3D and RISAConnection for Vertical Brace Diagonal Extended Shear Tab with and without Gusset connection.
- Updated the HILTI PROFIS login protocol to conform to HILTI updates.
- Corrected a rare issue that prevented the program from applying the full weld length to braces in the Extended Shear Tab Connection with Gusset module.
- Resolved a rare issue that prevented connections from integrating from RISAFloor to RISAConnection.
- Corrected an issue where HSS limitation checks that were removed in the AISC 360-16 code were still being checked.
- Resolved an issue that would fail a weld moment connection check for HSS A500 Grade C columns due to weld filler metal not matching.
- Corrected the calculation of the nominal stress weld strength to include the 0.60 factor for PJP welds per AISC J2-3.

Version 13.0.1 Enhancements / Corrections

- Added connection support for AISC 341-16 and AISC 358-16 seismic codes.
- Added the ability to customize the name of default connection configurations.
- Added the ability to open a new connection using a custom default connection.
- Added clarification to the Plate Flexural Yielding (Tension) (Weak Axis) warning message when bolt centerlines fall within the footprint of the column.
- Updated the load combination list to accommodate capacity-limited load combinations for models from RISA-3D.
- Corrected an issue where base plates with vertical brace connections were not being transferred from RISA-3D in some instances.
- Resolved an issue that would prevent large model files from opening.
- Corrected an issue that was showing failures for Seismic Vertical Plate Checks due to Block Shear reporting as "N/A".
- Improved the reporting within the Web Weld Limitations section when bolt geometry results in a negative value.
- Resolved an issue that showed failures from filler weld for HSS shapes.
- Corrected an issue where some databases were not migrating from older versions during installation.
- Enhanced the web weld effective length calculation to consider asymmetrical bolt geometry.
- Fixed an issue with bearing strength calculation at bolts to always consider 'deformation at hole as design concern' per AISC 341-10 Sect D2.2(1).
- Revised the "b" value for bolt prying calculation for the Beam/Column Double Clip Angle Connection to be the distance to the centerline of angle leg instead of face of angle.
- Resolved an issue where updated connection geometry was not retained after roundtripping between RISAFloor, RISA-3D, and RISAConnection.
- Resolved an issue preventing users from borrowing a license.

Version 13.0.0 Enhancements / Corrections

- Added a new Extended Shear Tab without gusset connection
- Added an extended shear tab with top gusset plate option for diagonal vertical brace connections.

- Added a new Detail View when opening a new connection that gives users more control over specific parameters when opening a new connection.
- Updated text of 'Material Strengths' units to 'Material Stiffness'.
- Corrected an issue that was preventing base plate integration from RISA-3D.
- Updated the location that user data files are stored during default installation to prevent certain file access issues.
- Resolved an issue where forces associated with double sided connections were not transferred correctly to RISAConnection.
- Changed K to be 0.5 for Brace to Column Base Plate Connections to align with AISC Design Guide 29.
- Resolved an issue where the bolt bearing strength was erroneously reported as 0 in the Bolt Bearing on Girder check for double clip angle shear connections.
- Removed extraneous column checks from the Top Gusset/Beam tab of a vertical brace connection.
- Corrected the Uniform Force Method Distribution of Forces applied to both the Beam and Column when using a Vertical Brace Diagonal Connection Type.
- Fixed typos for the bolt callouts in the printed report.
- Corrected an issue related to custom shapes that made the program close unexpectedly during integration.
- Corrected an issue where using ASTM A500 Grade C material was not being considered acceptable for HSS column ductility
- Corrected an issue where the filler metal classification strength (FEXX) was not properly considering the type of electrode selected.
- Fixed an issue with the safety factor for PJP weld capacity under ASD design.
- Resolved an invalid connection error for some Girder/Beam Shear Tab connections.
- Corrected an issue where some of the units for the chevron brace required load were being reported incorrectly.
- Resolved an issue where double-sided shear connections wouldn't integrate from RISA-3D.
- Added warning message clarification that states when a knee brace connection uses the default configuration of brace to beam.
- Corrected the code check for plate elements subjected to out-of-plane loads (for in-plane moments load case) per AISC 360-16 equations 9-32 and 9-33.
- Fixed an issue where modifying the Transverse Stiffeners for a connection group caused the program to close unexpectedly.
- Corrected web doubler plate weld calculations to follow section 4.4-7 of the AISC Design Guide 13.
- Resolved an issue where the Column Shear Splice connection was not recognized in RISA-3D if the column stack was rotated.