Release Notes for RISAConnection

Version 10.0.1 Enhancements / Corrections

- Added End Plate Stiffener weld checks for weld type and strength per AISC Design Guide 4, 2nd Edition, pg. 18.
- Added a check for End Plate connections beam flange weld type per AISC Design Guide 4, 2nd Edition, pg. 18.
- Added the option to reduce available bolt strength by the prying effects factor Q per the alternative method in AISC 15th (360-16) and 14th (360-10) pg. 9-13 or AISC 13th (360-05) pg. 9-12.
- Updated bolt tension at column check to include prying force for vertical brace diagonal connections.
- Relabeled stiffener limit states to better clarify whether a limit state pertains to end plate stiffeners or transverse stiffeners.
- Revised program default units for both weight densities and moments to k/ft^3 and kips-ft respectively.
- Corrected an error where the ey eccentricity used to calculate the moment due to eccentricity in a bolt group was being measured incorrectly in some cases.
- Corrected an error where the length of weld was erroneously doubled in comparison with the weld strength in the Double Angle Weld Strength check.

Version 10.0.0 Enhancements / Corrections

- Added connection design per the AISC 15th (360-16) Edition Steel Construction Manual.
    - Added new materials for members and plates per section A3.1a.
    - Updated the available bolt materials per section A3.3.
    - Updated nominal hole dimensions per Table J3.3.
    - Added new out of plane yielding checks for column web connections.
    - Updated the HSS connection checks per the revised Chapter K tables.
- Added more detail to the HSS Punching Shear check by separating from the HSS Limitations check.
- Added column web out of plane buckling and punching shear checks per the requirements of AISC 15th (360-16).
    - Added a Global setting to apply the column out of plane web checks from AISC 15th (360-16) to all codes.
- Added integration between RISA-3D and RISAFloor for wide flange beam to HSS Tube moment connections.
- Improved the installation to preserve any previously saved company logo artwork.
- Updated the 'Export to RISA' button for integrated connection design models.
- Revised the omega factor for shear to be 1.67 for all members based on Section G1 with exception of members following Section G2.1(a).
- Corrected an error in the demonstration version where the demo watermark was not properly displayed on the print out.