

# Release Notes for RISAConnection

## Version 16.0.0 Enhancements / Corrections

- Added HSS beam to HSS column moment connection.
- Added the ability to clear HILTI login credentials directly within RISAConnection.
- Added the ability to toggle on/off anchorage design checks in the base plate connection settings.
- Updated Telerik library files to the latest version. This update is required for some anti-virus software to allow program installation.
- Improved base plate integration to enforce zero-moment conditions for pinned column bases by rounding insignificant moments to zero during RISA-3D transfers.
- Expanded HSS T-Connection limit state considerations to align with Steel Tube Institute design examples.
- Enhanced Lateral Slip calculation to dynamically adjust for normal-weight and light-weight concrete, ensuring clarity and compliance.
- Aligned limit checking behavior of the new HSS beam to HSS column moment connection with the existing HSS Truss connection module for consistency.
- Removed the 'Column Web Buckling' check for column beam connections in the standalone version to avoid overly conservative results, as this check is only required when moments exist on both sides of the column.
- Corrected the Coped Beam Local Web Buckling equation in RISAConnection to match the intended formula.
- Added missing parenthesis in the Column Web Yielding equation for the Extended End Plate connection.
- Fixed a rare issue where integration from RISAFloor to RISAConnection caused distorted connection graphics and missing calculations (NaN).
- Corrected the ACI code reference in the base plate analysis to align with the specified ACI code parameter from the global model settings.
- Fixed an issue where the HTML Text Box was improperly displayed in printed member reports when edge reinforcement was set to 'none or < No. 4 bar'.
- Corrected HSS plastification calculations to use  $T = B$  instead of  $T = B - 3t$  in accordance with AISC 360-16.