

# Release Notes for RISAConnection

## Version 12.0.2 Enhancements / Corrections

- Added compatibility to integrate with RISA-3D v19.
- Added an asterisk to distinguish RISA-3D overstrength load combinations.
- Updated the calculation for top column distance to consider the height of the column when integrating models from RISA-3D.
- Updated the Project Explorer to report 'Seismic' rather than 'LC-1' as the controlling case for seismic chevron braces.
- Resolved an issue causing an erroneous 'invalid member slope' error message for non-sloping members.
- Corrected the calculation for max bolt edge distance to consider member coping.
- Resolved an issue where connection forces were not properly transferred from RISA-3D into RISAConnection when the model originated in RISAFloor.
- Resolved an issue preventing Vertical Brace to Baseplate connections from transferring to RISAConnection from RISA-3D.
- Resolved an issue preventing Girder/Beam Double Clip Angle connections from transferring to RISAConnection from RISA-3D due to an 'invalid shape type'.
- Resolved an issue where forces associated with double sided connections were not transferred to RISAConnection when the member was also framing into another double sided connection.
- Resolved an issue where some base plate connections did not properly transfer to RISAConnection.

## Version 12.0.1 Enhancements / Corrections

- Added the ability to assign custom bolt layouts for base plate connections:
  - Added custom anchor bolt editor dialog
  - Added ability to generate bolt layouts from templates
  - Added ability to move and rotate bolt layouts
  - Added drawing grid for anchor bolt placement
- Revised calculations for standard anchor bolt layouts since the implementation of custom bolt layouts.
- Resolved an issue preventing some connections from being exported as a DXF file.
- Corrected an issue where the shear lag factor was not considered in the Beam Tensile Rupture calculation for beam to column bolted shear tab connections.
- Corrected an issue where invalid bolt geometry on vertical brace connections produced incorrect results.

## Version 12.0.0 Enhancements / Corrections

- Added skewed connections for column/beam and beam/girder Shear Tab Shear connections.
- Updated the ineffective weld length calculation per AISC 15th (360-16) Edition.
- Clarified the calculation of  $r_0$  for Column Weld Strength Calculations.
- Corrected an issue where column checks were erroneously reported in the gusset/beam tab.