

Release Notes for RISACONNECTION

Version 8.0.0 Enhancements / Corrections

- Added a Vertical Brace to Column Base Plate connection.
 - Brace and gusset connect to the column flange or web.
 - Designed per methodology in *AISC Design Guide #29: Vertical Bracing Connections - Analysis and Design*.
 - WF, Tube, or Pipe shape columns available.
- Added double-sided shear connections:
 - Beam to column shear connections with beams on either side of the column web.
 - Beam to girder shear connections with beams on either side of the girder web.
 - Two sided connections with staggered bolts.
 - Added positive and negative sign convention for shear load input to properly consider two-sided shear connections.
- Added weak axis moment connections:
 - Added design for Flange Plate Moment connections between a beam and a column web.
 - Added design for Direct Weld Moment connections between a beam and a column web.
- Added the ability to taper (cut back) gusset plates on Vertical Diagonal Brace and Knee Brace connections.
- Added design for Vertical Brace connections per the Canadian design codes: *CSA S16-09* and *CSA S16-14*.
- Added a new entry to allow the user to define the location of the eccentricity on shear beam to column and beam to girder connections.
- RISA-3D and RISAFloor integration enhancements:
 - HSS Truss connections may now be imported from RISA-3D version 16 and newer.
 - Added an option to import a welded web plate on a Direct Weld Moment connection from RISA-3D.
 - Allow RISA-3D integrated Chevron and Diagonal Brace connections with two braces to have different brace shapes.
 - Corrected an error where the gusset-beam connection for a Chevron Brace connection would not carry over the connection type when integrated with a RISA-3D model.
- Updated input dialog boxes.
- Corrected some graphical errors that occurred on high resolution or 4K monitors.
- Removed the unnecessary 'Check Workpoint Offset' check for Knee Brace connections.
- Corrected a rounding error that resulted in erroneous failure of the Rotational Ductility check.
- Corrected a metric unit conversion error for the development length check under Web Weld Limitations.
- Corrected an error where clicking ENTER in the Notes section of Global Model Settings closed the dialog rather than advancing to the next line down.
- Corrected an error where the list of Available Connections would not scroll to the right.