

Release Notes for the RISA-Tekla Link

Version 2.0.1 Enhancements

- Updated the link to be compatible with the newly released Tekla Structures V19.1.

Version 2.0 Enhancements/Corrections

- Fixed many miscellaneous issues with the transfer of information with the link.
- Updated warning and error messages both in the program and in the help to be more accurate and give more information.
- Added the ability for the link to read the joints.def file to find properties of the connection.
- Updated which ID's are use to map to the connections in Tekla Structures. The program now uses the GUID to map to and reports the CONNECTION_RUNNING_NUMBER as the name of the connection. Previously the Connection ID was used.
- Updated the naming scheme for the RISAConnection files created. The actual RISAConnection file was renamed to *TeklaFileName.rcn* and the exchange file was renamed to *TeklaFileName.exc*.
- Added slip-critical bolt mapping for Bolt Standards in Tekla Structures that have SC or SC_TC at the end of the name. Previously this was ignored.
- The Column Force and Story Shear fields are now editable in RISAConnection. Previously these were always taken as zero.
- Fixed a rounding issue that could cause 3/16 welds in Tekla Structures to come into RISAConnection as 2.997/16's that would cause weld checks to fail.
- Updated the sign of the axial forces in connections. Tekla has a nomenclature of a positive value meaning tension, while RISAConnection uses a negative value for tension. This has now been accounted for.
- Updated the behavior with stiffeners for connection 134 to link the behavior. Previously, each program worked separately and there was no linking of geometric properties.
- Fixed an issue where the cross-sectional areas of columns were being brought over as 0. This could cause 0 capacity for some column checks.
- Removed support for connection components 116, 120, 29, 101, 103 and 131. These are all redundant connections that can be supported off of Components **Clip angle (141)**, **End plate (144)**, and **Shear plate simple (146)**.
- Fixed a problem with connection **Shear plate simple (146)** where filling in information in the "Name" field (on the Plates tab) could cause the link not to work.
- Fixed a problem in mapping the size of holes which could cause errors in block shear and shear rupture checks.