Release Notes for RISAFloor

Version 14.0.2 Enhancements/Corrections

- Updated the plate detail report for concrete slab models using user defined rebar to report Mu on a per ft basis.
- Resolved an issue with the slab reinforcement calculation when user-defined reinforcement did not meet the minimum slab reinforcement requirements.
- Added functionality in new Licensing Dashboard.

Version 14.0.1 Enhancements/Corrections

- General:
  - Added parent/child behaviors for wall panels.
  - Improved the DXF import for elevated concrete floors.
  - Improved construction line behavior to save with the model and not zoom fit the entire model during use.
  - Fixed an issue where drawing diaphragm regions on gravity edge members would cause the program to close unexpectedly.
  - Corrected an issue where deleting selected walls would inadvertently delete some unselected walls in some cases.
  - Resolved an issue where the Save As Defaults option was not properly saving the member design rules as default.
  - Fixed an erroneous "bad framing" error message when using cantilevers on a parent/child floor.
  - Resolved an issue where animating the long term sustained deflection would unexpectedly close the program.
  - Corrected an issue where the Bending Unity Check legend was always reporting LC 1.
  - Resolved an error with the controls of the font size for Applied Load magnitudes.
- Analysis:
  - Resolved an issue in the Hardy Cross method for columns with moment splices in between floors.
- Wood:
  - Resolved an issue where the thermal and density properties were swapped for glulam and SCL wood types.
  - Corrected an issue where the optimized glulam wood columns were sized conservatively.
  - Resolved an issue where wood wall fastener information was not properly retained.
  - Fixed an issue where selecting certain Wood Product shapes as explicit member shapes caused error code 1043.
- Concrete:
  - Added additional metric bar sizes for the ASTM A615M rebar set.
  - Added the AS/NZS 4671:2001 rebar set.
  - Added deep beam qualification criteria according to ACI 318-14 Section 9.9.1.1(a).
  - Updated the code reference for concrete wall slenderness warnings per ACI 318-14.
  - Refined the rebar area calculation which was overconservative for the user-defined method in RISAFloor ES.
- Composite:
  - Resolved erroneous "no composite design…" message shown in the warning log.
  - Resolved an issue where composite beams were erroneously flagged as having inadequate stud layout.
  - Fixed an issue where the reported moments for the Top Bending Check for user defined rebar was affected by the selected Length units.
  - Fixed an issue to enable the continuous top rebar option using the User-Defined method in RISAFloor ES.
  - Resolved an issue that prevented older RISAFloor models with concrete composite beams from opening.
- Joists:
  - Updated the steel joist vibration calculations to properly use the deck depth properties.
  - Resolved a units issue with the reported KCS moment demand and capacity.
- Integration:

- Resolved an issue where custom detail reports were not retained in the original program after using the Director tool to integrate between multiple programs (pending future RISA-3D update).
- Fixed an issue that prevented assigning hold downs and/or straps to a wood wall panel in RISA-3D. (pending future release).
- Fixed an issue for some cases where dynamic mass line load was not contributing to the seismic weight used in RISA-3D.
- Improved behavior for polygon mesher error in semi-rigid diaphragms transferred from RISAFloor to RISA-3D.
- Resolved an issue where certain models with semi-rigid diaphragms were reporting a non-planar mesh error after integrating with RISA-3D (pending future update).
- Resolved an issue where deleting slabs for some models would result in an "unable to read the common results file" error when integrating with RISA-3D.
- Fixed an issue to retain member design rule camber information when integrating with RISA-3D (pending future update).

Version 14.0 Enhancements/Corrections

- Wood:
    - Added LRFD wood design for NDS 2018 and 2015 codes.
    - Added wood product results to the code check spreadsheet.
- Steel:
    - Added AISC Design Guide 11 2nd Edition for hot-rolled steel beam vibration check.
- Steel Joists:
    - Added steel joist vibration analysis per Steel Joist Institute Technical Digest 5.
    - Fixed an issue where opening a saved model would always set the steel joist code to the 43rd/44th Edition.
    - Resolved an issue to allow joists to be set as an explicit shape from the Beams spreadsheet.
- General:
    - Corrected a units conversion error for the minimum beam camber length in the design rules.
    - Fixed an issue that prevented dynamic mass line load from contributing to seismic weight in some cases.
    - Corrected an issue on child floors where a beam incorrectly identified as a cantilever.
    - Resolved an issue where outrigger members were reporting a deflection span ratio of 1.
    - Fixed an issue that caused a false warning message stating failure to satisfy minimum reinforcement.
    - Resolved a rare instance that prevented the integration of specific models from RISAFloor to RISA-3D.
    - Resolved an issue that was preventing integration with RISAConnection for models with quotations in the material label.