

CSiCol v12.0.0 Release Notes

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Notice Date: 11-December-2025

This document lists changes made to CSiCol since v11.0.0, released 13-December-2022. Items marked with an asterisk (*) in the first column are more significant.

Analysis

Enhancements Implemented

*	Ticket	Description
	10698	An enhancement was made to add the Canadian and Australian Material Libraries, and to update the New Zealand Material Library.

Design – Concrete Frame

Enhancements Implemented

*	Ticket	Description
	9557	An enhancement was made to match the rebar stress strain curve for design Indian Code.

Documentation

Enhancements Implemented

*	Ticket	Description
	6806	Updates were made to the Design Manuals and Technical References used for verification of procedures.

Installation and Licensing

Enhancements Implemented

*	Ticket	Description
	9254	The version number has been changed to v12.0.0 for a new major release.
*	10707	An enhancement has been implemented to provide a new licensing mechanism, Cloud Sign-in licensing, that utilizes user credentials to access licenses instead of activation keys. With this licensing, user credentials will be requested when CSiCol is first started, unless they have already been supplied in an earlier session of CSiCol. User credentials can be obtained from the customer's IT or other department that manages software access. Cloud Sign-in licensing requires an active internet connection while running the software. A commuter-license option is available which allows checking out a license for a time period up to 30 days, subject to the user's company policy, for use of the software without an internet connection. Until the commuter license is checked back in or the time period expires, no other user will have access to that license. Remote checkout licensing is available for dark-site or air-gapped machines that do not have internet access. Personal Access Tokens (PATs) can be used for scenarios where the normal authentication flow is not possible, such as for headless machines. Customers can use the CSI Customer Center to manage which users have access to various CSI product licenses through license groups. The CSI Customer Center also provides tools to view license usage. Access to these features in the CSI Customer Center is subject to permissions set by the customer's department that manages software access.

Miscellaneous

Enhancements Implemented

*	Ticket	Description
	6639	An enhancement was made to allow the printer form to change printer and page layout settings, and to print multiple report copies.

Results Display and Output *Enhancements Implemented*

*	Ticket	Description
	7556	An enhancement was made to add the neutral axis angle and neutral axis depth to the detailed results table.
*	9319	An enhancement was done to remove four restrictions (i.e. column is under tension, zero loading, very small eccentricities and neutral axis depth < maximum column dimensions) on plotting stress strain for loading.
	10775	A change was made when using the ACI 318 code where enforcement of minimum eccentricity for each axis is now accounted for separately.

Structural Model *Enhancements Implemented*

*	Ticket	Description
	6803	An enhancement was made to add an option to consider the concrete tensile strength in the relevant stress-strain curves.
	6804	An enhancement was made to include tensile stress contribution from concrete in the computation of moment-curvature curves.
	6805	An enhancement was made to remove the limitation on the number of curve points for moment-curvature results.
	6809	An enhancement was made to update the moment-curvature procedure to account for limits on compression and tension strain, as well as maximum curvature.

User Interface *Enhancements Implemented*

*	Ticket	Description
	9243	An enhancement was made to provide user control over the number of curves and number of curves point in the PM Interaction diagram generation.

Analysis

Incidents Resolved

*	Ticket	Description
	9185	An incident was resolved where interaction diagram point fall outside MM Curve.

Data Files

Incidents Resolved

*	Ticket	Description
*	9326	An incident was resolved to save model file information in XML and text files in US Customary units. Previously, model file information was only saved in SI units.

Miscellaneous

Incidents Resolved

*	Ticket	Description
	10483	An incident was resolved where model file was not able to be opened on certain machines when a comma was used as a decimal separator in the regional settings.

Results Display and Output

Incidents Resolved

*	Ticket	Description
	6808	An incident was resolved where the units in the headers of the moment-curvature results table did not match the units used in the plots.
	9316	An incident was resolved where neutral axis depth and angle were not reported in the detailed results for load combinations having a tensile axial force.
	9451	An incident was resolved where interaction diagrams and stress-strain for loading were not displayed correctly for loads with very small uniaxial moments which caused unexpected changes in the Mx-My angle and demand-capacity ratio. Models with very small uniaxial moments in columns should be reevaluated.
	9503	An incident was resolved where the capacity point on the interaction surface falls outside the expected location for thin sections (such as shear walls with an Lx/Ly >>> 3). The interaction surface did not fully capture out-of-plane bending for wall-like members. The number of curves generated near the critical regions has been increased to improve the accuracy of the capacity point on the PMM diagram.
	11297	An incident was resolved where the stress-strain for loading was identical for moments applied with opposite signs, although the section stress diagram was displayed correctly.

Structural Model

Incidents Resolved

*	Ticket	Description
	11443	An incident was resolved where composite sections produced incorrect results for section properties. The properties of models with composite sections need to be reevaluated.

User Interface

Incidents Resolved

*	Ticket	Description
	11431	An incident was resolved where exploding a Rebar Pattern reverted the material to the first rebar Material Type in the list.