CSiXRevit v2024.0.0 Release Notes

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Notice Date: 23-August-2023

This document lists changes made to CSiXRevit since v2023.2.0, released 30-June-2023. Items marked with an asterisk (*) in the first column are more significant.

External Import and Export
Enhancements Implemented

*	Ticket	Description
*	9600	CSiXRevit v2024 is available for Revit 2024. Revit analytical members and panels with "None" properties can now be exported to ETABS v21.1.0 and SAFE v21.1.0. Likewise ETABS v21.1.0 and SAFE v21.1.0 null frame and area objects can now be imported into Revit 2024.
	9750	An enhancement to the import of .EXR files generated in ETABS and SAFE has been implemented. If a model includes floors with a deck-type section but the Revit template does not include any floor families of type deck, a warning is displayed in the Import form and the option in this form to import floors is disabled. Revit templates generally include floor families of type deck, but some do not.
	9753	An enhancement to the re-import of models previously exported to ETABS and SAFE has been implemented. The analytical models of frame and area objects that have been exported to ETABS and SAFE and then meshed are now automatically meshed upon re-import in Revit. In Revit 2023, the version in which stand-alone analytical models were introduced, analytical models were meshed when re-imported only when the corresponding option was selected on the Import to Update form. Making this automatic instead of optional now ensures a better consistency between the different modeling platforms.

External Import and Export
Incidents Resolved

*	Ticket	Description
	9604	An incident was resolved where re-importing a model previously imported from SAP2000 created duplicate Revit structural column, framing elements, walls and floors. When this occurred, Revit displayed a warning. This incident occurred in CSiXRevit 2020 through 2023.
	9754	An incident was resolved where re-importing into Revit an ETABS, SAP2000 or SAFE model in which some line objects had been deleted since the last import or export operation did not result in the deletion of the corresponding Revit structural columns or structural framing elements and their associated analytical members. This incident affected CSiXRevit 2023 and 2023.1.
	9779	An incident was resolved where materials and sections were not imported when their names included special characters not allowed in Revit, namely "{ } [ ] : | ; < > ? ` ' ~ / \", not including the enclosing quotes"". Materials and sections with such names are now imported although with their names slightly modified, with the special characters replaced by underscores. A default material or default section was assigned to the Revit elements created when ETABS, SAP2000, SAFE frame and area objects with such a material or section were imported. All versions of CSiXRevit were affected.