

CSiXCAD v20.0.0 Release Notes

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Notice Date: 12-May-2023

This document lists changes made to CSiXCAD since v19.3.0, released 13-October-2022. Items marked with an asterisk (*) in the first column are more significant.

Detailing

Enhancements Implemented

| * | Ticket | Description |
|---|--------|--|
| * | 9235 | CSiXCAD is now compatible with BricsCAD 2023. |
| | 9412 | The Create Elevation command has been enhanced so that when the user creates an elevation showing a wall imported from ETABS and its reinforcement, all the wall-reinforcement rebar sets are labeled. |

External Import and Export

Enhancements Implemented

| * | Ticket | Description |
|---|--------|--|
| * | 9489 | CSiXCAD can now import models from SAFE. Detailed reinforcement can also be imported from SAFE, but currently this is a one-way transfer: the rebar can not be exported from CSiXCAD to SAFE. This import feature requires SAFE v21.0.0. |
| * | 9520 | SAP2000 frame objects with cold-formed C, Z, hat, I, tee, angle, box or pipe sections are now imported with matching CSiXCAD section profiles. Previously, they were imported without any section profile and a warning to that effect in the log .hst file, and they were always drawn as single lines. |

Installation and Licensing

Enhancements Implemented

| * | Ticket | Description |
|---|--------|---|
| * | 9256 | The version number has been changed to v20.0.0 for a new major release. |

Detailing
Incidents Resolved

| * | Ticket | Description |
|---|--------|--|
| | 9211 | An incident was resolved that addressed two issues affecting the export of CSiXCAD plans to exploded drawings: (1.) In the case of CSiXCAD projects imported from SAP2000, beams not located along any grid line were not exported to the exploded plan drawings. (2.) When the scale of a plan was such that beams were displayed in "multi-line" mode, with the details of their section profiles showing, beams were exported as if they had been displayed in "single" line mode, with only their defining axis showing. Both issues, when they occurred, were visually obvious. The first issue affected all versions of CSiXCAD capable of importing SAP2000 models, and the second issue affected all released versions of CSiXCAD. |
| | 9236 | An incident affecting the import of ETABS models featuring walls with reinforcement into BricsCAD was resolved. Occasionally, some of the plans created during the import appeared blank. When this occurred, the problem was visually obvious. Freezing the S-ANNO-SYMB layer and then performing a zoom extents fixed the issue, although wall partial-plan callouts and some label graphics such as lines, circles and arrows were still missing. All versions of CSiXCAD and BricsCAD compatible with one another were affected. |
| * | 9262 | An incident was resolved where spandrel longitudinal and diagonal rebars were drawn somewhat shorter than their length computed by CSiDetail on elevations featuring wall spandrels: They stopped at the edges of the spandrels instead of extending past them. When this occurred the error was visually obvious and could be corrected by "grip-editing" the affected rebars. The size and number of these rebars were correctly called out. All versions of CSiXCAD were affected. |
| | 9477 | An incident was resolved where beams and braces with a coordinate angle different from zero or 180 degrees were imported with a coordinate angle having the opposite sign from the correct value. When this occurred, the error was visually obvious. This issue affected all versions of CSiXCAD. |
| | 9478 | An incident was resolved where channel sections were always imported from SAP2000 or ETABS with their section mirrored about the axis parallel to the web, such that the web was on the wrong side of that axis. The error was visually obvious. All versions of CSiXCAD were affected by this incident. |
| | 9479 | An incident affecting the multi-line display in plan view of beams with channel and double-channel sections was resolved. Such beams were missing from the display. When this occurred, the error was visually obvious because beam labels were displayed with no beam next to them. This incident affected all versions of CSiXCAD. |
| | 9480 | An incident was resolved where the multi-line display in plan view of beams with a non-zero coordinate angle or with a section mirrored across their Y axis would show such beams with an unrotated and unmirrored section. When this occurred, the error was visually obvious. This affected all released versions of CSiXCAD. |
| | 9481 | An incident was resolved that affected the import of SAP2000 line objects with a mirrored section assignment and a cardinal point other than 5 (middle center). Such line objects were imported with cardinal points that did not match their SAP2000 cardinal points. When this occurred the error was visually obvious. Similar line objects imported from ETABS were correctly imported. This incident affected all versions of CSiXCAD capable of importing SAP2000 models. |
| | 9536 | An incident was resolved where imported horizontal beams framing diagonally into columns and sloped beams framing into girders were not properly trimmed at their ends. When this occurred, the issue was apparent in 3D views and in multi-line plan views. This incident affected all versions of CSiXCAD for models imported from ETABS as well as from SAP2000. |