SAFE® 2014 (v14.1.1)
Release Notes

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Notice Date: 2015-07-14

This file lists all changes made to SAFE since the previous version. **Most changes do not affect most users.** Incidents marked with an asterisk (*) in the first column of the tables below are more significant and are included in the ReadMe file.

Changes from v14.1.0 (Released 2015-06-12)

Modeling
Enhancements Implemented

*	Incident	Description
	80418	An enhancement was made to add the Australian rebar property set to the Reinforcement Bar Sizes form.

Punching Shear Design
Enhancements Implemented

*	Incident	Description
	65837	An enhancement has been made for slab punching shear calculations to allow for openings that are within or intersect the punching perimeter. Earlier these conditions would cause the punching shear calculations not to be performed and a N/C (not calculated) was reported.

Installation and License
Enhancements Implemented

*	Incident	Description
	80321	All significant installed EXE and DLL files are now digitally signed to avoid sand-boxing and other interference from anti-virus products. It is important to note that there never was a threat from any of the installed files in any previous release, but a few anti-virus products are overly cautious, which could cause them to prevent the software from running. No results were affected.

Miscellaneous
Enhancements Implemented

*	Incident	Description
	80680	The version number has been changed to v14.1.1 for a new minor release.

User Interface and Display
Incidents Resolved

*	Incident	Description
	80952	An incident was resolved to enable the "Draw Dimensions Lines" tool button when the model is locked. The menu option for "Draw Dimension Lines" was available for locked models.

Analysis
Incidents Resolved

*	Incident	Description
	80642	An incident was resolved where in some rare cases when running cracked slab analysis a program internal error message would pop up and the model could not be run. This was limited to v14.1.0.

Slab/Beam Design
Incidents Resolved

*	Incident	Description
	79653	An incident was resolved for one-way shear design of slabs for the CSA A23.3-04 and CSA A23.3-14 codes where beta and theta values computed from section 11.3.6.4 were too conservative when the slab/mat thickness was less than or equal to 350mm. Section 11.3.6.2 is now enforced for slab/mats less than 350mm thick.
	80898	An incident was resolved where assigning the beam design overwrite for "Ignore PT when designing beam" was not working. It was working when assigned through the right button information dialog.

Punching Shear Design
Incidents Resolved

*	Incident	Description
	80905	An incident was resolved where the program was unable to correctly trace the area edge for computing the punching shear when the area edge was curved.

Detailing
Incidents Resolved

*	Incident	Description
	69900 80516 80546	An incident was resolved where detailing options using right click of the mouse were not available in the Model Explorer.

Results Display and Output
Incidents Resolved

*	Incident	Description
	72292	An incident was resolved where the beam rebar information shown on mouse move was giving the rebar without imposing minimum requirements even if the option to impose minimum was on. This was limited to the mouse move information only. The design and the display were not affected.

Documentation
Incidents Resolved

*	Incident	Description
	34410	The reinforced concrete design and prestress design manuals have been updated for ACI 318-08 and ACI 318-11 design codes to clarify the enforcement of ACI 421 equations which are used in the program. No design results were affected.
	74776	The reinforced concrete design manual and prestress design manual have been updated to indicate that the reinforcing ratio in punching shear is reported as an average of the column design strip ratios for BS 8110-97, Eurocode 2-2004, Hong Kong 2004 and 2013 and Singapore CP 65-99 codes. No design results were affected.
	79953	The design manuals have been updated to reflect the removal of I23 for the corner columns from the punching shear calculation. This change was released in v14.1.0. No change in design results from v14.1.0.