

# SAFE v22.4.0 Release Notes

© 2024 Computers and Structures, Inc.

**Notice Date: 20-December-2024**

This document lists changes made to SAFE since v22.3.0, released 18-October-2024. Items marked with an asterisk (\*) in the first column are more significant.

## API

### **Enhancements Implemented**

*	Ticket	Description
	9046	An enhancement has been made to add the API functions Export and Import the model text file (.e2k) and Database Tables in Excel, Access, Text File, and CHM File.

## Database Tables

### **Enhancements Implemented**

*	Ticket	Description
	11076	An enhancement has been implemented to report the column capital dimensions, if specified, in the database table for concrete rectangular and concrete circular sections. This data is now also available for interactive editing.

## Design – Slab

### **Enhancements Implemented**

*	Ticket	Description
	10985	An incident was resolved where slab strip integrated forces were accounting for only half the torsion. All other integrated forces were correct and the stresses shown were also correct. This does not affect any design.

## Installation and Licensing

### **Enhancements Implemented**

*	Ticket	Description
*	10928	The version number has been changed to 22.4.0 for a new intermediate release.

## Loading

### **Enhancements Implemented**

*	Ticket	Description
	11082	When the 2D Plate option for Active Degrees of Freedom (Analyze menu>Advanced Modeling Options) is enabled, Tendon forces are disabled and a warning message is shown to inform the user.

## User Interface

### **Enhancements Implemented**

*	Ticket	Description
	10882	An enhancement has been implemented to show the point labels for area edges in the shell edge release assignment form that are consistent with the point labels for area objects shown in the graphical user interface. Previously, the point labels shown were sometimes inconsistent with the ones shown in the GUI, especially for models that were imported from ETABS program.

**Detailing**  
***Incidents Resolved***

<b>*</b>	<b>Ticket</b>	<b>Description</b>
	11041	An incident was resolved where running detailing may cause "Error in running Slab detailing. Slab detailing results are not available". This error only occurred with some model which have PT tendons.

**User Interface**  
***Incidents Resolved***

<b>*</b>	<b>Ticket</b>	<b>Description</b>
	9488	An incident was resolved to store more data for Standard Graphics in Named Display when current mode is DirectX. Old files have limitation, where extra data is not available. Program will inform user that Named Display is saved in DirectX mode and cannot be displayed in Standard Graphics.
	10893	Several issues related to punching shear overwrites tables and interactive editing have been resolved as follows: 1) The table for punching shear opening overwrites could not be generated. Also, attempting to interactively edit the same table would result in an abnormal termination. 2) "Selection Only" option was not working for displaying and interactively editing tables. 3) Area objects with same unique name as the joints were getting selected instead of point objects when selection command from the table was used to select point objects that has punching shear overwrites assigned.
	10937	An incident was resolved where the right click form for point object was ignoring the mass assigned to a joint for a given degree of freedom if the assigned mass was negative. Because of this, the form showed that no mass was assigned to the point object. However, expanding the mass node on the form did show the negative mass assignments. This was just a display issue and did not affect the analysis results in any way.