ETABS® 2015 Version 15.2.2
Release Notes

© Copyright Computers and Structures, Inc., 2016

Notice Date: 2016-03-18

This file lists all changes made to ETABS 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 deemed more significant.

Changes from v15.2.0 (2015-11-25) and v15.2.1 (Chinese, 2015-12-07)

User Interface
Incidents Resolved

*	Incident	Description
	88380	An incident was resolved where in some cases an error occurred when viewing the fiber hinge definition form before an analysis was run. No results were affected.

Loading
Incidents Resolved

*	Incident	Description
	74274	An incident was resolved where, in some rare cases, a geometric tolerance issue resulted in some load from Null areas not being transferred. In such cases the program did give a warning message that load was lost.
	86356 86702 88279	An incident was resolved for the AS/NZS 1170.2:2011 auto wind load pattern where clicking the Modify Lateral Load button in the Define Load Patterns form (command Define > Load Patterns) would generate an error message. This error only affected models created in v15.2.0 and v15.2.1. Models created using older versions did not have this issue. AS/NZS auto wind load patterns created in versions v15.2.0 and v15.2.1 could be modified after exporting and then re-importing the model using the text file (.E2K, .$ET).
	86603	An incident was resolved for the Singapore National Annex of Eurocode 8-2004 response-spectrum functions where response spectrum load cases using this function would not run, but instead generated an error message "Bad function data", whenever the function was defined using soil type C or S1. Results were not available for such load cases.

Frame Design – Chinese
Incidents Resolved

*	Incident	Description
	88376	An incident was resolved for Chinese design where the General Preference item Dual System Max SMF was not being applied.
	88377	An incident was resolved for the Chinese design codes where the Irregular Story Modifier specified in the General Design preferences was being ignored and always taken as 1.15 for any irregular stories automatically detected by the software. The specified value of the Irregular Story Modifier was correctly applied to any stories explicitly specified by the user as being irregular in the General Design preferences.
	88381	An incident was resolved were the auto design combinations were not updated when items were changed in the Chinese General information form which may have affected these design combinations. Whenever other actions caused the design combinations to be regenerated then they were then correct.

Shear Wall Design
Incidents Resolved

*	Incident	Description
*	73994	An incident was resolved where the shear design of shear walls may be incorrect if the wall pier consists of multiple area objects vertically within a story and multi-step load cases are included in the design combinations. The results are correct if either the wall pier is not meshed vertically or the vertical meshing per story is internal (automatic) or the combinations do not include multi-step load cases. Models that may be affected should have their design re-verified. This error affects ETABS v13.0.0 to v15.2.1.

Results Display and Output
Incidents Resolved

*	Incident	Description
	88880	An incident was resolved for steel frame design using the Eurocode 3-2005, IS 800:2007 and NTC 2008 codes where the reported value for "Location" in the Envelope Results report was incorrect. The report was showing the design section name instead of the location for this value. This was just a reporting error and did not affect the design results.

Application Programming Interface (API)
Incidents Resolved

*	Incident	Description
	87009	An incident was resolved for the Application Programming Interface (API) where calls to the function SapModel.PointObj.SetDiaphragm would always fail with an error code. No results were affected.
	89751	An incident was resolved for the Application Programming Interface (API) where the functions SapModel.Results.FrameForce and SapModel.Results.PierForce could fail if multi-step load cases (such as certain nonlinear static load cases) were selected for output and the corresponding output options had not been previously set, such as by calling function SetOptionNLStatic. Now the default output option for all multi-step load cases is set to produce envelopes.This only affected the API, not results produced graphically or in tables and reports.
	88328	An incident was resolved for the Application Programming Interface (API) where the function "SpandrelForce" in the API was returning incorrect results. This only affected results obtained using the API. No results presented in the graphical user interface, tables, or reports were affected. No analysis or design results were affected.

Miscellaneous

*	Incident	Description
	88603	The version number has been changed to v15.2.2 for a new minor release. ETABS v15 is also known as "ETABS 2015".