

Patch note (05. Aug. 2024)

Gen 2024 (v2.2)

1. The calculation error of the maximum spacing of spiral hoops in circular column design has been fixed. The related design codes are as follows:
 - ACI318-19 / ACI318M-19
 - TWN-USD112
 - KDS 41 20 : 2022
2. The representative member force in the design report during design by “keep P as constant” should be determined by the bending moment. However, the error that the axial force determined the representative member force in certain cases has been fixed.
3. The issue where an error message was displayed when exporting Gen’s column information to Design+ for the “Combined footing” design has been fixed.
4. The error where the “Horizontal Design Spectrum” according to Eurocode-8 (2004) generated incorrect values has been fixed.
5. The following issues were fixed when designing an asymmetric steel box:
 - The cross-sectional shape was incorrectly drawn in the graphic report.
 - The thickness information of the bottom flange was incorrectly applied during class Evaluation as per EC3.
6. The issue where an error message was displayed when combining loads according to “TWN USD 112” has been fixed.
7. In the design as per TWN-USD112, the function to set the “Serviceability Parameter” by each member has been activated.
8. The error in which the ‘Background factor’ and ‘Size reduction factor’ were incorrectly applied when generating wind load according to IS 875:2015 has been fixed.
9. The error that incorrectly calculated the applied punching shear force when designing the slab with the SRC column has been fixed.
10. The error of incorrectly considering the axial direction of member force when setting the 2D plane in the Design Type of “General Design Parameter>Definition of Frame” has been fixed.