

Patch note (09. April. 2024)

Gen 2024 (v1.3) & Design+ 2024 (v1.3)

[Gen]

1. The error in the calculation(μ_{pl}) of the cyclic shear strength check has been fixed.
2. The error that C_p of x and y Dir. were exchanged in the wind load calculation according to DPT(Thailand) has been fixed.
3. The error that the displacement control in 'Nonlinear Analysis' was not working has been fixed.
4. The error the calculating the maximum hoop spacing(s_{max}) in column design as per TWN-USD 111 (Taiwan) has been fixed.
5. An error that the negative factor for the additional load of the lateral load in the load combination was not working has been fixed.
6. The error in generating the enveloped load combinations for cold-formed steel has been fixed.
7. The error in the calculation of the Max. column drift in Torsional Irregularity Check has been fixed.
(A drift value that was not combined for the modes had been output.)
8. The envelope method of member force due to moving loads has been modified.
(‘Envelope max(min)’ is calculated by adding the Max.(Min.) values of moving loads now.)
9. The error in the calculation of V_c (Concrete Shear Strength) as per ACI318(M)-19 and TWN111 has been fixed.
10. An error that the beam stresses(equivalent) result was not calculated has been fixed.
11. An error in the calculation of V_{hjd} (Shear force at Joint) as per ACI318(M)-19 has been fixed.
(The sum of clockwise and counterclockwise shear force values had been applied.)

[Design +]

1. The error that Design+ crashed while performing the batch design has been fixed.
2. The error in the purlin and girth roof type illustration has been fixed.
(The numbering for the wind load area of the roof was partially incorrect.)
3. An error in which the main rebar area in the column design was applied as 0.0 has been corrected. (It occurred when using ACI318(M)-19 and member forces by load combination)