

## Midas Gen & Design+ 2021 v1.2 Patch Release Note

### Gen2021 v1.2

- 1 [NTC2018] Serviceability check has been allocated according to SLS load combinations
- 2 [AISC360-16] Calculation conditions for torsional and flexural torsional buckling stress are modified
- 3 [NTC2018] The result of detailed calculation of combined ratio of elastic moment capacity is modified
- 4 [Joint Design] The cross-sectional area for the joint design of the circular column section is calculated as SQRT (Ag).
- 5 [IS456 2000] Deflection check output is presented in design report of RC Beam
- 6 [EC8:04]  $L_v/H$  limit value of  $\theta_u$  formula is considered:  $L_v/H \rightarrow \min[9.0, L_v/H]$
- 7 Checking Result Dialog : Check character colors(blue or red) are determined by individual item instead of all items.
- 8 [EC2:04] Option to consider for Shear Wall  $\alpha_{smax}$  is added for seismic ductile wall.

### Design+2021 v1.2

- 1 [Rebar Option] The rebar diameter change is applied according to the design criteria.
- 2 [Reinforcement RC Beam] The reinforcement module of beam is presented in shear reinforcement details.