

ERRATA

Application of AISC *Specification* Requirements for Second-Order Analysis and Stability Design

Rafael Sabelli, Allen Adams, and David Landis

Vol. 60, No. 3, 2023

Revise the bottom two rows in Table 1:

Table 1. Methods of Addressing Stability-Design Considerations					
Stability-Design Consideration		Direct Analysis Method	Effective Length Method	First-Order Method	
(a) All deformations that contribute to the displacements of the structure		Analysis of model that includes all significant sources of flexibility			
(b) Second-order effects	System $P-\Delta$ effects (including $P-\delta$ effect on $P-\Delta$)	Second-order analysis		Additional lateral load	
	Member $P-\delta$ effects	B_1 amplifier or inclusion of member $P-\delta$ effect in second-order analysis		B_1 amplifier	
(c) Geometric imperfections (system)	Effect on structural response	Minimum notional load or modeling of imperfections	Minimum notional load		
(c) Geometric imperfections (member), (d) Stiffness reduction due to inelasticity, and (e) Uncertainty in strength and stiffness	Effect on structural response	Stiffness reduction	Effective length factor	Additional lateral load	
	Effect on member strength	Member strength formulae			

