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Errata to CSSBI B13-06 *Design of Steel Deck Diaphragms*, 3rd Edition

The CSSBI *Design of Steel Deck Diaphragms*, 3rd Edition, was published in 2006 when the standard governing the design of cold formed steel structural members was the 2001 edition, with 2004 Supplement, of CSA-S136. Within that edition of S136 the resistance factor specified for steel diaphragm construction was 0.50 for all types of loading and connections.

The CSA-S136 standard was updated in 2007 and changes were made to the resistance factors for steel diaphragm construction. The table below shows the resistance factors that are provided in CSA-S136-07.

CAN/CSA-S136-07, Table D5

Load Type or Combinations Including	Connection Type	Limit State	
		Connection Related	Panel Buckling
		ϕ_d (LSD)	ϕ_d (LSD)
Earthquake	Welds	0.50	0.75
	Screws	0.60	
Wind	Welds	0.65	
	Screws		
All Others	Welds	0.55	
	Screws	0.60	

Depending on the type of loading and connection, the tables in CSSBI B13-06 giving the factored resistances based on strength can be adjusted based on the ratio of the new resistance factor given in the table above to the old resistance factor of 0.50.