

Slender Web Flexure/Shear Interaction

In editions of the AISC *Specification* prior to 2005, interaction between bending and shear was a required check. Why is this requirement not included in the 2005 and 2010 AISC *Specifications*?

Reference is made to the AISC *Specification*, 10th Edition, *Guide to Stability Design Criteria for Metal Structures*, 10th Edition, and the AISC *Specification*, 10th Edition, *AASHTO LRFD Bridge Design Specification*.

The AISC *Specification*, 10th Edition, *Guide to Stability Design Criteria for Metal Structures*, 10th Edition, and the AISC *Specification*, 10th Edition, *AASHTO LRFD Bridge Design Specification*, 10th Edition, both require a check for interaction between bending and shear.

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Bent Plate

Larry S. Muir, P.E. The contract documents for a project call out V-shaped stiffener plates that are made by CJP groove-welding two plates at a 45° angle. Is bending a single plate to form these stiffeners a viable alternative to the welded detail?

Reference is made to the AISC *Manual*, 10th Edition, *Fabrication Guidelines for Cold*

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Bending, www.steel.org