

# Aisc Steel Construction Manual 13th Edition

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moment connections - AISC

WebMODERN STEEL CONSTRUCTION june 2009 moment connections M In the Moment ... the AISC Seismic Provisions must be applied, which has a signifi-cant associated cost implication. 3. When heavy rolled W-shapes are required at moment connec- ... As explained on page 12-3 in the 13th edition AISC Manual, it is permissible "since, ...

30758 steelwise tolerances web - AISC

Websteel must account for three types of toler-ance in their design: Mill Tolerance, Fabri-cation Tolerance, and Erection Tolerance. Mills producing hot-rolled structural steel must conform to the ASTM A6 speci-? cation as stated in AISC's Manual of Steel Construction, 13th Edition. ASTM A6 sets the acceptable variance for member length,

Single-Plate Shear Connection Design to Meet Structural

Webare defi ned in Part 10, page 10-101 of the 13th Edition Steel Construction Manual (AISC, 2005b). Design strength val-ues are provided in Tables 10-9a and 10-9b. The following eight limit states must be checked for a tension force applied to the single-plate shear connection shown in Figure 1: • Bolt shear • Weld • Plate yield