AWS D1.1 Interpretation

Subject: Camber Tolerances  
Code Edition: D1.1-84  
Code Provision: Subsection 3.5.1.3  
AWS Log: D1-85-028

Inquiry:  
(1) In 3.5.1.3 there are three different tolerances available to determine the variation from camber of welded beams or girders, and the Code states that when the calculations are made that the greatest variation from specified camber is to be used. Are these tolerances appropriate?  
(2) In 3.5.1.3 it states, “camber of welded beams or girders.” Do these tolerances also apply to rolled beams?

Response:  
(1) The tolerances of 3.5.1.3 are appropriate.  
(2) No. Tolerances in 3.5.1.3 are applicable to beams with weldments, such as cover plates. For unwelded beams, AISC specifications should apply.