U, . . . I .. . P . a a B a . P .

I was told that the use of an inflection point to brace the compression flange of a beam is no longer allowed. Is this true?

Yes. The 1999 AISC LRFD Specification was the first edition to introduce strength and stiffness provisions, in Section C3, for beam and column braces. The language prohibiting the use of inflection points as brace points for beams is in Section C3.4 in that Specification. These requirements were moved to Appendix 6 in the 2005 and 2010 AISC Specification. The language on inflection points can be found in Appendix 6 Section 6.3 (page 16.1-193 of the 13th Edition Manual, and similarly on page 165 pearters when 14th Edition , about 2005 and 2010 AISC Specification.

equations for the calculation of C

_b in

the Commentary to Chapter F to assist in this exact case. One is applicable to beams bent in reverse curvature. There are also citations to references that contain C_b equations for other loading and support conditions not covered in the