Gusset Buckling

A detail has been proposed for a brace-to-gusset connection. Instead of using four claw angles, like in Figure 3-4 of AISC Design Guide 29, it uses four "claw plates." We are concerned that the claw plates provide little out-of-plane strength or stiffness. Is the below detail acceptable? If so, can the buckling length of the gusset as shown in Appendix C of Design Guide 29, or is the buckling length a greater dimension due to the lack of an outstanding leg in the connecting element?

Specifications

Bo Dowswell, P.E., Ph.D.

Moment Connections to Unstiffened Column Webs

$K_S L\ EI$,

$K_S L\ EI$,

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Larry S. Muir, P.E.

Levelling a Composite Floor

A composite floor was constructed without the specified cambers in the beams. There are excessive deflections in the floor, and we need to find a way to brtimof.63 l3on ve floelerally is.T (y of.remorallyve f)on e4 (ela ”I