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- Table 3-50 on page 16.1-145 shows KL/r vs. ϕC_{cr} for steels with $F_y = 50$ ksi. In order to s calculations, the AISC specification includes more Tables. - Table 4 on page 16.1 -147 shows F_{cr} / F_y for all steels with any F_y .

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limit states standard AS 4100-1998 considers open type hot-rolled sections and standard open sections manufactured from hot-rolled plate. Data includes among others: dimensions and section properties, design section capacities, values for ...

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CHAPTER 3. COMPRESSION MEMBER DESIGN 3.1 INTRODUCTORY CONCEPTS

would find their work expedited even further by having access to Design Capacity Tables for Structural Steel, 2nd ed, Vol 1: Open Sections published in 1994 by the Australian Institute of Steel Construction

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These values do not apply to Structural I panels. See Tables M9.2.1 – M9.2.4 for the appropriate multipliers for Structural I panels. (b) Shear through the thickness design capacities are limited to sections two feet or less in width; wider sections may require further reductions.

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Design manual of elded and coldformed hollo sections 2. STRUCTURAL ANALYSIS 8 approach was developed in the form of cross section classes that greatly simplify the problem. According to 5.5.2(1), four classes of cross sections are defined, depending on their rotation capacity and form rotational plastic hinges:

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