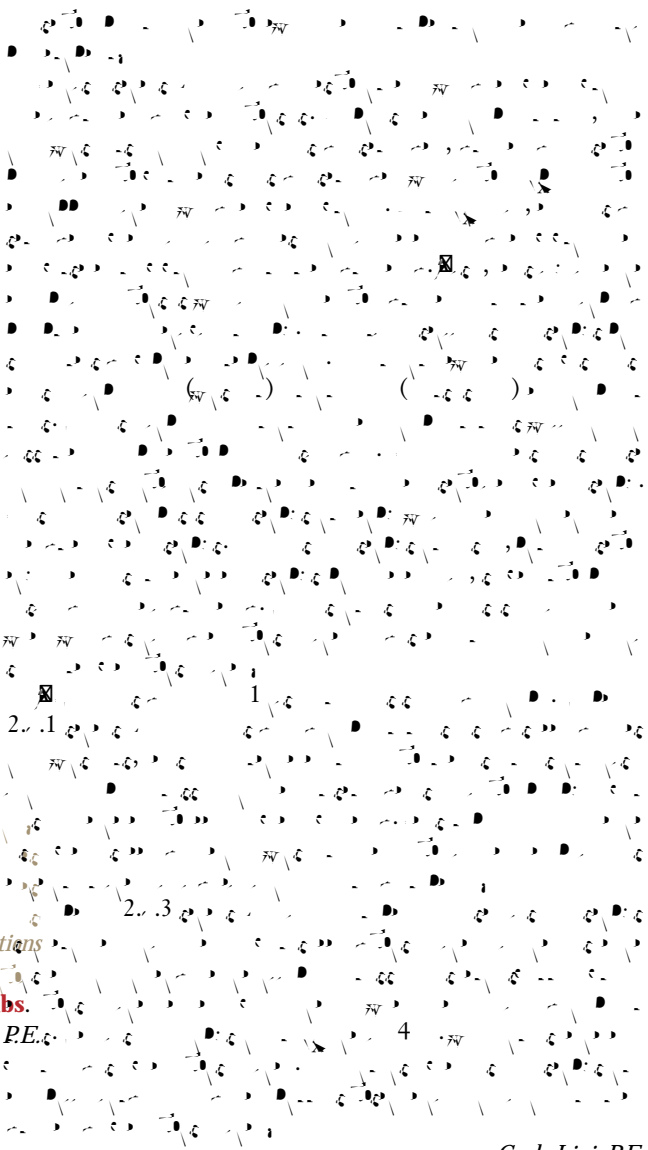


For a single-story steel moment frame building with CMU non-load-bearing walls, what requirements control the analysis requirements and allowable lateral displacement of the frame?

360 Specification (www.aisc.org/2010spec)
IBC,
-10, 1.3
-10,
12.

Engineering Journal

3 Serviceability Design Considerations for Steel Buildings, 2
www.aisc.org/epubs
Susan Burmeister, P.E.



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B

When should the base plates be grouted for a multistory structure?

10 (www.aisc.org/dg)

AISC S- a . Table J2.5 provides three conditions related to partial-joint-penetration groove welds subjected to compression:

- 1) Column-to-base plate and column splices designed per Section J1.4(1)
- 2) Connections of members designed to bear other than columns as described in Section J1.4(2)
- 3) Connections not finished-to-bear

For case 2, the nominal strength of the weld is $0.6 F_{EXX}$. For case 3, the nominal strength is $0.9 F_{EXX}$. Why is the weld assumed to have less strength when the members are finished-to-bear than when the members are not finished-to-bear?

steel interchange

Specification

4.4

1.4(2)

2.5

0.6

0.6

0.6

1.60

3.

What section(s) in the AISC Specification can be used to determine effective width of stiffened plates used in built-up sections subjected to flexure?

Specification

2, Design of Flat Plate Structures,

6.6- Design of Welded Structures

12t

10. 2010

Specification (www.aisc.org/2010spec)

4.1

4.1

Specification

-1,

t

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