

solutions@aisc.org

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$R = 3$,
3. A
7-10, 12.2.-1,
P, 1
1.6 A

Thin Plates and Welding

I have specified 1/4-in. plates to be welded to structural members for aesthetic considerations. Some of the fabricators bidding the project have indicated that there may be issues associated with welding plate that is this thin. They have mentioned weld show-through and distortions as potential concerns. Are these valid considerations? What can be done to address them?

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$$L > \leq M, PE$$

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Seismic Response Modification Coefficient, R, Given as 3 1/4

As a fabricator, we are starting to see buildings in Seismic Design Category C with the seismic response modification coefficient, R, given as 3 1/4 in the General Notes. Will these structures have to satisfy the Seismic Provisions? See Building (ANSI/AISC 341)?

steel interchange

Conveyors in a High-Seismic Area

We are designing steel conveyors in a high-seismic area. For steel ordinary moment frames (OMFs), Chapter 15 of ASCE 7-10 permits the use of $R = 1$ without having to satisfy the Seismic Performance Level or $R = 2.5$ when the Seismic Performance Level