

REVISIONS AND ERRATA LIST

AISC Steel Design Guide 7, 2nd Edition

1st Printing (Printed Copy)

May 31, 2016

The following list represents corrections to the first printing (dated March 2005) of the second edition of AISC Design Guide 7, *Industrial Buildings—Roofs to Anchor Rods*.

Page(s)	Item
58	Example 18.1.1: In the left column, under “Calculate M_x and M_y ,” revise the calculation for the tension flange $(S_1)_{req'd}$: $(S_1)_{req'd} = (473.85 \text{ kip-ft})(12)/30 \text{ ksi} = 189.54 \text{ in.}^3$
59	“Example 18.1.3” should be replaced with “Example 18.1.2” in the first paragraph in the left column.
59	In the left column, replace the last sentence of Example 18.1.1 with “Based on the area of the W27×146 the axial stress in the beam due to the tractive force is 0.176 ksi.”
60	In the right column, replace the second to last line with the following (55.2 replaces 55.5): $55.2(1.25) = 69 \text{ kips} < 125.9 \text{ kips.}$
77	In the left column under “2. Preliminary Design,” replace the 3rd and 4th lines from the bottom with the following (in the equation for Δ , 12 replaces 24 in the denominator): For a fixed-fixed column with a WL = 20 psf: $\Delta = \frac{P_w H^3}{12EI}$ See Figure 20.3.5.
77	Figure 20.3.4 should be revised as shown:

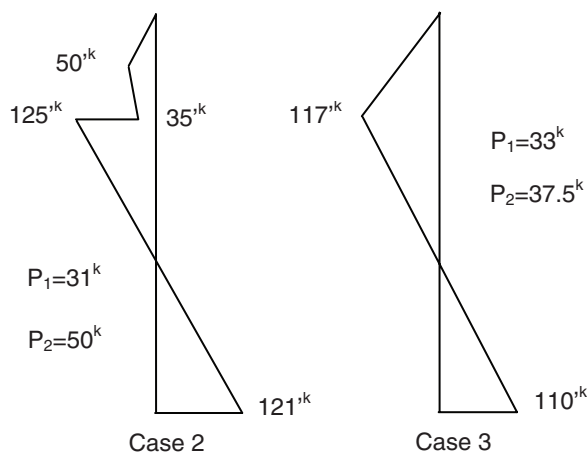


Fig. 20.3.4 Critical Moment Diagrams

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In the left column, first line, replace “ $I_1/I_2 = 1.0$ ” with “ $I_1/I_2 = 1.0$.”

Figure 20.3.7 should be revised as shown:

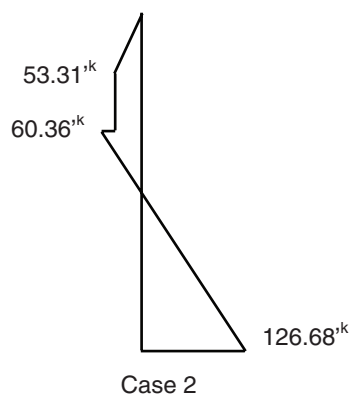


Fig. 20.3.7 Critical Moment Diagram

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In the left column, replace the 5th line with:

$$K_1 = 0.89, K_2 = 1.29$$