# REVISIONS AND ERRATA LIST

# AISC Steel Design Guide 16

1st Printing (Printed Copy)

May 31, 2016

The following list represents corrections to the first printing (dated 2002) of AISC Design Guide 16, *Flush and Extended Multiple-Row Moment End-Plate Connections*.

| Page(s) | Item |
|---|---|
| 11 | In the left column, Equation 2-11 should read: |

$$Q_{max,i} = \frac{w't_p^2}{4a_i}\sqrt{F_{py}^2 - 3\left(\frac{F_i'}{w't_p}\right)^2}$$

| | |
|---|---|
| 11 | In the left column, Equation 2-13 should read: |

$$a_i = 3.682\left(\frac{t_p}{d_b}\right)^3 - 0.085$$

| | |
|---|---|
| 11 | In the left column, Equation 2-14 should read: |

$$F_i' = \frac{t_p^2 F_{py}\left(0.85\dfrac{b_p}{2} + 0.80w'\right) + \dfrac{\pi d_b^3 F_t}{8}}{4p_{f,i}}$$

| | |
|---|---|
| 11 | In the right column, Equation 2-16 should read: |

$$a_o = \left|\begin{array}{l} 3.682\left(\dfrac{t_p}{d_b}\right)^3 - 0.085 \\ P_{ext} - P_{f,o} \end{array}\right|_{min}$$

| | |
|---|---|
| 34 | In Table 4-3, Case 1, $\phi M_n = \phi_y M_{pl} = \phi_y F_{py} t_p^2 Y$ should be $\phi M_n = \phi_b M_{pl} = \phi_b F_{py} t_p^2 Y$. |
| 41 | In the left column, section "4.2.2 Four-Bolt Extended Unstiffened Moment End-Plate Connection (Table 4-3)" should be replaced with "4.2.2 Four-Bolt Extended Stiffened Moment End-Plate Connection (Table 4-3)." |
| 47 | In the right column under *Design Procedure 1*, the expression "$d_b = \frac{7}{8}$ in." should be replaced with "$d_b = \frac{5}{8}$ in." |

| Page(s) | Item |
|---|---|
| 63 | The decision diamond near the bottom of the flow chart should read: |

$$\phi M_{np} \leq \frac{\phi_b M_{pl}}{1.11}$$

| 65 | The decision diamond near the bottom of the flow chart should read: |

$$\frac{\phi_b M_{pl}}{\gamma_r} \leq \phi M_q$$