Revisions and Errata List
AISC Steel Design Guide 20, 1st Printing (Printed Copy)
October 15, 2012

The following list represents corrections to the first printing of AISC Design Guide 20, Steel Plate Shear Walls.

Page(s)   **Item**

76   The right column, lines 2 through 12, should be replaced with:

For fillet-welded connections, the required weld size at the HBE can be expressed as:

For LRFD

$$w_{HBE} \ge \frac{R_y F_y \cos(\alpha) t_w \sqrt{2}}{0.6 F_{EXX} \left[1 + 0.5 \cos^{1.5}(\alpha) \right]} \ge \frac{1}{4} \, D \tag{3-86}$$

For ASD

$$w_{HBE} \ge \frac{R_y F_y \cos(\alpha) t_w \sqrt{2}}{1.5 \left(0.6 F_{EXX} \right) \left[1 + 0.5 \cos^{1.5}(\alpha) \right]} \ge \frac{1}{4} \, D$$

The required weld size at the VBE can be expressed as:

For LRFD

$$w_{VBE} \ge \frac{R_y F_y \sin(\alpha) t_w \sqrt{2}}{0.6 F_{EXX} \left[1 + 0.5 \sin^{1.5}(\alpha) \right]} \ge \frac{1}{4} \, D \tag{3-87}$$

For ASD

$$w_{VBE} \ge \frac{R_y F_y \sin(\alpha) t_w \sqrt{2}}{1.5 \left(0.6 F_{EXX} \right) \left[1 + 0.5 \sin^{1.5}(\alpha) \right]} \ge \frac{1}{4} \, D$$