

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

$$w_{HBE} = \frac{R_y F_y \cos(\alpha) t_w \sqrt{2}}{\phi 0.6 F_{EXX} [1 + 0.5 \cos^{1.5}(\alpha)]} \quad (3-86)$$

For ASD

$$w_{HBE} = \frac{\Omega R_y F_y \cos(\alpha) t_w \sqrt{2}}{1.5 (0.6 F_{EXX}) [1 + 0.5 \cos^{1.5}(\alpha)]}$$

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

For LRFD

$$w_{VBE} = \frac{R_y F_y \sin(\alpha) t_w \sqrt{2}}{\phi 0.6 F_{EXX} [1 + 0.5 \sin^{1.5}(\alpha)]} \quad (3-87)$$

For ASD

$$w_{VBE} = \frac{\Omega R_y F_y \sin(\alpha) t_w \sqrt{2}}{1.5 (0.6 F_{EXX}) [1 + 0.5 \sin^{1.5}(\alpha)]}$$