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Errata to
Load Calculation Applications Manual **(2009)**
(SI Edition)

January 23, 2013

Shaded items have been added since the previously published errata sheet dated May 17, 2011.

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Page 73:   In the final paragraph of Section 4.2.3, change the second sentence from "The mean of annual extremes, column 22..." to "The mean of annual extremes, column **16**..."

Page 83:   Equation 5.6b should be changed from

$$\Delta p_{st} = \rho_o \left(\frac{T_o - T_i}{T_i} \right) g(H_{NPL} - H)$$

to

$$\Delta p_{st} = \rho_o \left(\frac{\boldsymbol{T_i - T_o}}{T_i} \right) g(H_{NPL} - H)$$

Page 95:   In Example 5.2, for "First floor" and "Equation 5.14," the subscript "1" for "East wall (leeward)" $(Q/A)_1$ and Q_1 should instead be "$\boldsymbol{e}$".

Page 156:   The end of the last sentence refers to Equation 7.4 but should refer to Equation **7.5**.

Page 160:   Item 10 refers to Equation 7.4 but should refer to Equation **7.5**.

Page 181:   The first sentence refers to Table 6.3 but should refer to Table **6.2**.

Page 182:   In Table 8.13, in the "People (Latent)" column, the values for hours 8 and 18 read 352 but should read **330** and the values for hours 9–17 read 703 but should read **660**.

Page 185:   In Table 8.16, in the "People" column, the values for hours 8 and 18 read 352 but should read **330** and the values for hours 9–17 read 703 but should read **660**.

Page 186:   The first bullet point refers to Table 6.4 but should refer to Table **6.3**.

Page 228:   Change Equation 10.6 from

$$J_{avg,bf} = \frac{2k_{soil}}{\pi w_b} \times \left[\ln\left(\frac{w_b}{2} + \frac{z_f}{2} + \frac{k_{soil}R_{other}}{\pi} \right) - \ln\left(\frac{z_f}{2} + \frac{2k_{soil}R_{other}}{\pi} \right) \right]$$

to

$$J_{avg,bf} = \frac{2k_{soil}}{\pi w_b} \times \left[\ln\left(\frac{w_b}{2} + \frac{z_f}{2} + \frac{k_{soil}R_{other}}{\pi} \right) - \ln\left(\frac{z_f}{2} + \frac{\boldsymbol{k_{soil}}R_{other}}{\pi} \right) \right]$$

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Page 305:	The end of the last sentence of the paragraph before Equation D.1, ", or it can be related to the day of the year, η, by" and Equation D.1 should be **deleted**.
Page 308:	Equation D.11 gives values for Y but includes incorrect signs in the "for cosθ" lines. These lines should read as follows:

$$for \ \cos\theta < -0.20$$

$$for \ \cos\theta \geq -0.20$$

Page 309:	The left-hand sides of Equations D.15 and D.16 are switched. The equations should read as follows:

$$S_W = P_V \times |\tan\gamma| \qquad\qquad (D.15)$$

$$S_H = P_H \times \tan\Omega \qquad\qquad (D.16)$$

Page 310:	In the last paragraph, the values 0.026 and 0.052 should be replaced with **0.15** and **0.3**, respectively.