

**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.

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

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

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 “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

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

- 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 $\cos\theta$ ” lines. These lines should read as follows:
- $$\text{for } \cos\theta < -0.20$$
- $$\text{for } \cos\theta \geq -0.20$$
- Page 309:** The left-hand sides of Equations D.15 and D.16 are switched. The equations should read as follows:
- $$S_W = P_V \times |\tan\gamma| \quad (\text{D.15})$$
- $$S_H = P_H \times \tan\Omega \quad (\text{D.16})$$
- Page 310:** In the last paragraph, the values 0.026 and 0.052 should be replaced with **0.15** and **0.3**, respectively.