ERRATA (*Reinforced Concrete Masonry Design*)
July 21, 2005

p. xv **Following line 1:** A_e = effective cross-sectional area of a column, in.^{2} (mm^2)

p. xvii **Following line 5:** F_x = lateral force at level '*x*', lb (N)

p. xix **Following line 12:** p =Design wind pressure, psf (MPa)

p. xx **First line:** S_i **should read** S_1

p. xx **Before last line:** β_b = Ratio of cutoff reinforcement to total reinforcement at a section

p. xxi **Line 11 should read:** calculated story drift, at level '*x*', in. (mm)

p. 22 **Line 9:** f_v **should read** F_v

p. 25 **Line 2:** *a* **should read** α
Line 6: *a* **should read** α
Line 7: "a" **should read** α

p. 38 **Eq. 3.8 first line:** $M_m = cjd$ **should read** $M_m = Cjd$
Eq. 3.8 second line: $c = \ldots$ **should read** $C = \ldots$

p. 40 **Line 1:** … 12000 (k-in.) **should read** … 12000 (lb-in.)
Line 6: bd **should read** $b_w d$
Line 7: 120 **should read** 1.20
Last line: … (see Appendix A) … **should read** … (see Appendix C) …

p. 41 **Figure 3-7, under "Bars a":** $\geq d$, $12d$ **should read** $\geq d$, $12d_b$

p. 43 **Figure 3-9:** Shear > … **should read** Shear $\not>$

p. 44 **Figure 3-11:** Total A_{st} **should read** Total A_s

p. 55 **Eq. 3.19:** $P_e = \ldots$ **should read** $P_a = \ldots$

p. 59 **Figure 3.25: delete horizontal rebars**

p. 62 **Line 6:** $f_y = 40$ psi **should read** $f_y = 40$ ksi

p. 64 Design a 16 in. × 24 in. column, subjected … **should read** Design a 16 in. × 24 in. column, 28 ft tall, pinned at both ends, subjected …

p. 65 **Line 15:** $P_m = 0.25(2000) \ldots$ **should read** $P_m = 0.25(2) \ldots$
Line 18: $= 0.65 \times 1.24(24000)(0.72)$ **should read** $= 0.65 \times 1.24(24)(0.72)$

p. 83 **Line 8:** … = 112 tv. **should read** … = 112 in.
Line 11: $F_a = 17$ psi … **should read** $F_a = 417$ psi …

p. 84 **Line 1:** 0.429 **should read** 0.492
Line 4: (555.1) **should read** (55.1)

p. 95 **Fig. 4-5: above "Stress diagram"** C **(three instances) should read** c **(lower case)**

p. 99 **Fig. 408 above "(a)"** C **(two instances) should read** c **(lower case)**

p. 100 **Line 2:** 900 e_m **should read** 900 ε_m
Line 5: e_m **should read** ε_m

p. 101 **Third line from bottom:** $M_{cr} = Sf_r$ **should read** $M_{cr} = S_n f_r$

p. 104 **Figure 4-11:** C **(two instances) should read** c **(lower case)**

p. 119 **Figure 4-20** C **should read** c **(lower case)**
Line 1: e'_s **should read** ε'_s
Line 2: ... $f'_s = E_s e'_s$ **should read** ... $f'_s = E_s \varepsilon'_s$

p. 127 **Sixth line from bottom:** ... $= 4433$ in.^{4} **should read** ... $= 443.3$ in.^{4}

p. 128 **Line 1:** $M_{ser} = W_u ... + P_u ...$ **should read** $M_{ser} = W ... + P ...$
Line 2: ...$12 + 0.368$... **should read** ...$12 + 0.28$...
Line 3: ... $= 12 + 0.74 = \underline{12.74}$ k-in. **should read** ... $= 12 + 0.56 = \underline{12.56}$ k-in.
Line 13: $5(12.74)(20) \times 12)^2$ **should read** $5(12.56)(20) \times 12)^2$
Line 14: 0.096 in. **should read** 0.0946 in.
Line 20: ... $(1.328)(0.096)$ **should read** $(1.08)(0.0946)$
Line 21: $= 0.13$ k-in. **should read** $= 0.10$ k-in.

p. 129 ... $+ 0.38$... **should read** ... $+ 0.368$...

p. 133 **Line 17 & 18:** $\sqrt{12r}$ **should read** $\sqrt{12}r$

p. 134 **Line 13:** ... strain beyond $e_y = ...$ **should read** ... strain beyond $\varepsilon_y = ...$
Line 21: ... steel $= e_s E_s$ **should read** ... steel $= \varepsilon_s E_s$

p. 135 **Line 2:** $e_{s2} = ...$ **should read** $\varepsilon_{s2} = ...$
Line 4: ... exceeding e_y **should read** ... exceeding ε_y
Figure. 4-24: above (a) C **should read** c **(lower case)**

p. 141 **Figure 4-26: above "strain diagram":** C **should read** c **(lower case)**

p. 148 **Fourth line from bottom:** $^{bd}T^2$ **should read** $b\,d_T{}^3$

p. 149 **Line 9:** ... Equation 4-6 ... **should read** ... Equation 4-7 ...

p. 153 **Revise as follows: delete text after line 16** (Use Equation 5-4 for I_e.)**. Delete Figure 5-5.**

p. 154 **After line 1, insert:** See Fig. 5-5
Line 3: delete
Line 4: $I_{cr} = 341.1 + 8428.3 = 8769.4$ in.^{4} **should read** $I_{cr} = 8277.7$ in.^{4}
Line 5: ...8769.4 **should read** ...8277.7
Line 6: $= 8087.9 + 5362.9 = 13,450.8$ in.^{4} **should read** $= 8087.9 + 5061.8$
$= 13,149.7$ in.^{4}
Line 7: $384(1800)13,450.8$ **should read** $384(1800)13,149.7$
Line 11: ...8769.4 **should read** ...8277.7
Line 12: ... $+ 7908 = 9953.20$ in.^{4} **should read** ... $+ 7452 = 9497.20$ in.^{4}
Line 13: $384(1800)9953.2$ **should read** $384(1800)9497.2$

p. 167 **Figure 6-6:** $8'$ **should read** $4'$
Last line: ... calculations, ignore and ... **should read** ...calculations, ignore P and ...

p. 170 **Table, row 9:** numbers should align with numbers in other rows

p. 176 **Last line: is** Eq. 7.7

p. 180 **Line 10:** ... $= 0.2(0.44)36$... **should read** ... $= 0.2(0.44)36000$...

p. 181 **Line 8: should read** $\dfrac{4\ell_b}{4.75} = 0.84\ell_b$

p. 183 **Line 7: should read** …= 56.55 in.^{2}

p. 186 **Line 2: delete phi**

p. 206 **Table 9-3: all** hx **should read** h_x **and be aligned with numbers to left (not subscripts)**

p. 222 **Header 11.1.1: should read** 11.1.1 Ordinary Plain … (OPMSW)
Line 17: delete or consisting of at least two wires of W 1.7 spaced no more than 16 inches
After d: add e. or consisting of at least two wires of W 1.7 spaced no more than 16 inches

p. 235 **Line 16:** 0.176 **should read** 0.0176
Line 17: 0.176 **should read** 0.08
Line 18: 237.6 **should read** 108

p. 236 **Table 11.6: columns 3, 4 and 5; should be revised to**
row 1 14.37, 890.94, 14.37
row 2 30.56, 1589.12, 44.93
row 3 24.62, 1034.04, 69.55
row 4 18.68, 597.76, 88.23
row 5 12.75, 280.50, 100.98
row 6 7.02, 84.24, 108.0
row 7, 4th column Σ4476.6 k-ft

Line 2: (9848.6) **should read** (4476.6)
Line 3: 7386.45 **should read** 3357.45
Line 7: M_T = 31.60 (62-32) + 67.24 (52 − 32) + 54.18 (42 − 32) **should read**
M_T = 14.37 (62-32) + 30.56 (52 − 32) + 24.62 (42 − 32)
Line 8: = 948 + 1344.80 + 541.80 **should read** = 431.1 + 611.2 + 246.2
Line 9: 2834.60 **should read** 1288.50

p. 237 **Figure 11-5: numbers should be revised (top to bottom) as follows,**
14.37, 30.56, 24.62, 18.68, 12.75, 7.02
Figure 11-6: numbers should be revised (top to bottom) as follows,
14.37, 44.93, 69.55, 88.23, 100.98, 108.0

p. 241 **Line 6:** $R_2 = R_3 = (15)_3 = 3375$ **should read** $R_2 = R_3 = (15)^3 = 3375$

p. 243 **Figure 11-9: under (5)** $R_4 = 27{,}000$ **should read** $R_5 = 8{,}000$
Line 2: should read …= 29.93 ft

p. 253 **Line 12:** $f_s j_d$ **should read** $f_s j \, d$

p. 259 **delete** > 1.0, use 1.0

p. 279 **Line 17:** = 20 psi **should read** = 20 psf

p. 282 **Third line from bottom:** V_{dv} **should read** $V d_v$

p. 284 **Line 5:** …$I_b{}^2$ **should read** …$\ell_b{}^2$

p. 285 **Line 7:** B_v= 0.9(0.6)(0.2)3600… **should read** B_v = 0.9(0.6)(0.2)36,000…

p. 303 **Line 27:** 265 **should read** 266