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ERRATA

E.1, *first sentence in last paragraph, change*:
"…where S1 is less than or equal to 0.04 and SS… is less than or equal to 0.05 g..."
to
"…where S_1 is less than or equal to 0.04 and S_S… is less than or equal to 0.05g..."

E.2.1.2, *change:*
"**characteristic earthquake:** characteristic earthquake: An earthquake assessed…"
to
"…**characteristic earthquake:** An earthquake assessed…"

E.2.1.3, *change*:
"**maximum considered earthquake (MCE):** maximum considered earthquake (MCE): The most severe…"
to
"**maximum considered earthquake (MCE):** The most severe…"

E.2.1.6, *after first sentence, delete:*
"Notations."

and

add the following heading below the first sentence:
"E.2.2 NOTATIONS"

E.2.1.6, Page E-1, *change*:
"C_d Deflection amplification Factor, $C_d = 2$"
to
"C_d Deflection amplification factor, $C_d = 2$"

E.2.1.6, Page E-1, *add:*
"A_f Acceleration coefficient for sloshing wave height calculation, %g"
above
"C_d Deflection amplification Factor, $C_d = 2$"

E.2.1.6, Page E-1, *change*:
"d_c Total thickness (100 – ds) of cohesive soil layers in the top 30 m (100 ft)."
to
"d_c Total thickness (100 – d_s) of cohesive soil layers in the top 30 m (100 ft)."

E.2.1.6, Page E-2, *change*:
"*Fty* Minimum specified yield strength of shell course, Mpa (lbf/in.2)"
to
"F_{ty} Minimum specified yield strength of shell course, Mpa (lbf/in.^{2})"

E.2.1.6, Page E-2, *change*:
"*Ms* Slab moment (used for pile cap and pile cap design), Nm (ft-lb)"
to
"*Ms* Slab moment (used for slab and pile cap design), Nm (ft-lb)"

E.2.1.6, Page E-2, *change*:
"P_A 'Anchorage attachment design load, N (lbf)"
to
"P_A' Anchorage attachment design load, N (lbf)"

E.2.1.6, Page E-3, *change*:
"ρ Mass density of fluid, kg/m^3 (lbm/in.^{3})"
to
"ρ Density of fluid, kg/m^3 (lb/ft^3)"

E.4.3.4, *end of first paragraph should read:*
"…accelerations determined in E.4.3.2 and the deterministic MCE ground motion spectral response accelerations defined in E.4.3.3."

E.4.4, Page E-5, *item 1, second to last sentence, change:*
"(see 4.6.1)"
to
"(see E.4.8.1)"

E.4.4, Page E-5, *item 1, last sentence, change:*
"(see E.4.6.1)"
to
"(see E.4.8.2)"

Table E-1 and Table E-2, *last row, for all cases, change:*
"*"
to
"a"

E.4.6, Page E-5, *item F, subitem 1, last sentence, reference should read:*
"The Site Class may be determined in accordance with E.4.7…"

E.4.6, Page E-6, *item F, subitem 1, last sentence should read*:
"…determined from Tables E-1 and E-2."

E.4.6, *add a hard return after item 4*.

E.4.6, Page E-6, *second equation should read*:

$$\overline{N} = \frac{\sum_{i=1}^{n} d_i}{\sum_{i=1}^{n} \frac{d_i}{N_i}}$$

E.4.6, Page E-6, *third equation should read*:

$$\overline{N}_{ch} = \frac{d_s}{\sum_{i=1}^{m} \frac{d_i}{N_i}}$$

E.4.6, Page E-6, *first sentence at top of 2nd column should read*:

where $\sum_{t=1}^{m} d_i = d_s$

E.4.6, Page E-6, *fourth equation should read*:

$$\overline{s}_u = \frac{d_c}{\sum_{i=1}^{k} \frac{d_i}{s_{ui}}}$$

Table E-3, *header row should read*:

Site Class	$\overline{v}_s$	$\overline{N}$ or $\overline{Nch}$	$\sum_u^a$

Table E-3, *Note should read*:
"a If the $\overline{s}_u$ method is used and the $\overline{Nch}$ and s_u criteria differ…"

E.4.8.1, *Equation E-1* *should read*:
In SI units:

$$T_i = \frac{1}{\sqrt{2000}} \frac{C_i H}{\sqrt{\frac{t_u}{D}}} \sqrt{E}$$

In US Customary units:

$$T_i = \frac{1}{27.8} \frac{C_i H}{\sqrt{\frac{t_u}{D}}} \bullet \sqrt{E}$$

E.4.9.1, *change end of first sentence in first paragraph to read*:
"…are given in Equations E-4 through E-8."

E.4.9.1, *change end of first sentence in second paragraph to read*:
"…S_p for S_0 in Equations E-4 through E-9."

E.4.9.1, Page E-8, *first column*, *change*:
"when, TC < TL"
to
"when, $T_C \leq T_L$"

Equation E-7, *change*:
"F_a"
to
"F_v"

Equation E-8, *change*:
"F_a"
to
"F_v"

E.4.9.1.1, *first paragraph, change*:
"…Equations (E-9) through (E-12)."
to
"…Equations E-9 through E-11."

E.4.9.1.1, Page E-9, *paragraph after Equation E-10, change*:
"See E.4.4.1."
to
"See E.4.8.1."

E.4.9.1.1, Page E-9, *paragraph after Equation E-11, change*:
"(see E.4.4.2)"
to
"(see E.4.8.2)"

E.6.1.2, *change end of first sentence in first paragraph to read*:
"…is defined by Equations E-16 through E-21."

Equation E-18, *change:*
$$\left(\left(\frac{3.67H}{D}\right)-1\right)$$
to
$$\left(\frac{3.67H}{D}\right)-1$$

Equation E-20, *change*:
"0.600"
to
"0.060"

Equation E-21, *change:*
$$\left(\left(\frac{3.67H}{D}\right)-1.937\right)$$
to
$$\left(\frac{3.67H}{D}\right)-1.937$$

E.6.1.3, *end of second sentence in first paragraph should read*:
"..be combined as shown in E.6.1.4."

E.6.1.4, *add above second equation in second column*:
"In US Customary units"

E.6.1.4, *first paragraph in second column, delete*:
"●"
and
"1."

E.6.1.4, *after Equation E-22, delete*:
"2."

E.6.1.5, *item c, change:*
"MTW"
to
"M_{TW}"

E.6.1.6, *delete the bullet in the heading.*

Table E-6, *first row, change*:
"J < 0.785"
to
"J ≤ 0.785"

Table E-6, *second row, change*:
"0.785 < J < 1.54"
to
"0.785 < J ≤ 1.54"

Equation E-23a, *should read:*
$w_a = 99t_a\sqrt{F_y HG_e} \le 1.96HDG_e$

Equation E-23b, *should read:*
$w_a = 7.9t_a\sqrt{F_y HG_e} \le 1.96HDG_e$

E.6.2.1.1.2, Page E-13, *first column, second equation (In US Customary units), delete*:
"ft"

E.6.2.1.2, *left align paragraph after Equation E-24.*

E.6.2.2.3, *second equation (In US Customary units), change*:
"$F_c = 106t_s / D$"
to
"$F_c = 10^6 t_s / D$

E.6.2.2.3, *third equation (In SI units), change*:
"$F_c = 83t_s /(2.5D) + 7.5\sqrt{(GH) < 0.5F_{ty}}$"
to
"$F_c = 8t_s /(2.5D) + 7.5\sqrt{(GH)} < 0.5F_y$"

E.6.2.2.3, *fourth equation (In US Customary Units), change*:
“ $F_c = 10^6 t_s/(2.5D) + 7.5\sqrt{(GH) < 0.5F_{ty}}$ ”
to
“ $F_c = 10^6 t_s/(2.5D) + 600\sqrt{(GH)} < 0.5F_{ty}$ ”

E.6.2.3, *left align second and third paragraph before item a*.

E.7.2, *first equation, change*:
“$\delta_s = 0.5Da_f$”
to
“$\delta_s = 0.5DA_f$”

E.7.2, *second equation, change*:
“$a_f =$”
to
“$A_f =$”

and

“$\left(\frac{I}{T_C}\right)$”
to
“$\left(\frac{1}{T_C}\right)$”

E.7.2 *third equation, change*:
“$a_f =$”
to
“$A_f =$”

E.7.2, *fourth equation, change*:
“$a_f =$”
to
“$A_f =$”

and

“$\left(\frac{I}{T_C}\right)$”
to
“$\left(\frac{1}{T_C}\right)$”

E.7.2, *fifth equation, change*:
“$a_f =$”
to
“$A_f =$”

Table E-7, *first row of first column, change*:
"S_{DS}<0.33g"
to
"$S_{DS} \leq 0.33$g"

Table E-7, *second row of first column, change*:
"S_{DS}<0.50g"
to
"S_{DS} <0.33g"

E.7.2, *item c, change:*
"_s"
to
"δ_s"

E.7.3, *second paragraph, second sentence, change*:
"table E-8"
to
"Table E-8"

Equation E-27b, *delete:*
"12.10"

E.7.9, *change:*
"Using closely spaced shims…"
to
"d. Using closely spaced shims…"

V.3.1, *remove*:
"JE_c = joint efficiency of compression ring. JE_c = 1.0 for butt welded top angles and tension/compression rings."

V.7.3.3, *insert equation:*
In SI Units:
$X_{\text{dome}} = 2.1\sqrt{Rt_{\text{dome}}}$ and delete $X_{\text{dome}} = 19.0\sqrt{Rt_{\text{dome}}}$

V.7.3.4, *insert equation*:
In SI Units:
$X_{\text{shell}} = 1.47\sqrt{Dt_{al}}$ and delete $X_{\text{shell}} = 13.4\sqrt{Dt_{sl}}$

V.8.2.1.3, *change*:
"$N_s + 1 = H_{rs} / H_{\text{safe}}$"
to
"$N_s + 1 = L_s / H_{\text{safe}}$"

V.8.2.1.4, *change*:
"Spacing $= H_{rs} / (N_s + 1)$"
to
"Spacing $= L_s / (N_s + 1)$"

V.8.2.3, *change*:
"The width of bottom plate considered effective as an end stiffener shall be not more than $32t_b$,…"
to
"The width of bottom plate considered effective as an end stiffener shall be not more than $16t_b$,…"

V.10.2, *item 2, from V.7.3.3, change*:
" $X_{\text{dome}} = 0.6\sqrt{Rt_{\text{dome}}}$ "
to
" $X_{\text{dome}} = 2.1\sqrt{Rt_{\text{dome}}}$ "

and

" $X_{\text{dome}} = 0.6\sqrt{60(12)(0.529)}$ "
to
" $X_{\text{dome}} = 2.1\sqrt{60(0.529)}$ "

Page V-12, bottom of 2nd column, *change*
"Calculate the number of buckling waves:"
to
"**10. Calculate the number of buckling waves:**"

V.10.1, *change*:
"**11.** Calculate the total contributing shell width acting with the intermediate stiffener:…"
to
"**12.** Calculate the total contributing shell width acting with the intermediate stiffener:…"

and

"**12.** Calculate the required moment of inertia of the intermediate stiffener region:…"
to
"**13.** Calculate the required moment of inertia of the intermediate stiffener region:…"

and renumber:

items 13 through 15
to
items 14 through 16

V.10.2, *item 13, second and third equations, change*:

" $A_{\text{reqd}} = \frac{6(69.1)(75)}{21,600}$ "

to

" $A_{\text{reqd}} = \frac{6(69.1)(75)}{14,400}$ "

and

" $A_{\text{reqd}} = 1.44 \text{ sq. in.}$ "

to

" $A_{\text{reqd}} = 2.16 \text{ in.}^2$ "

V.10.2, *item 14, second and third equations, change*:

" $A_{\text{stiff}} = 1.44 - 2.94(.395)\sqrt{(75)(.395)}$ "

to

" $A_{\text{stiff}} = 2.16 - 2.94(.395)\sqrt{(75)(.395)}$ "

and

" $A_{\text{stiff}} = -4.9 \text{ sq. in.; the stiffener section area must be} \geq 0.72 \text{ sq. in.} \left(= \tfrac{1}{2} \text{ x } A_{\text{reqd}}\right)$ "

to

" $A_{\textit{stiff}} = -4.2 \text{ in.}^2\text{; the stiffener section area must be} \geq 0.72 \text{ sq. in.} \left(= \tfrac{1}{2} \text{ x } A_{\text{reqd}}\right)$ "