

ANSI/SDI C-2017 Standard for Composite Steel Floor Deck-Slabs

Errata #1 07 November 2017

The following represents corrections to the Standard

Item #1 Revise the User Note on Page 13 as follows:

Third line, change "Equation 2.4.7a or b" to "Equation 2.4.8.a or b"

Fourth line, change "with" to "width"

Item #2 On Page 24, Figure 2:

In the drawings for the Double and Triple Spans, the interior reactions should read P_{int} instead of P_{ext}

In the reaction equations for the Double and Triple Spans (second equations), the reaction should read P_{int} instead of P_{ext}

Item #3 On Page 28, Section A2.1.3.B:

Change "Section 2.4.B.7" to "Section 2.4.B.9"

Item #4 On Page 28, Section A2.1.4:

Change "Section 2.4.B.8" to "Section 2.4.B.10"

Item #5 Replace Equations A3-6a and A3-6b on Page 30 as follows:
(adds missing "c" before parenthesis)

LRFD

$$M_{ro} = \phi_c f'_c b \beta_1 c (d - \beta_1 c / 2) \leq \Phi_s K M_y \quad (\text{Eq. A3-6a})$$

ASD

$$M_{ro} = f'_c b \beta_1 c (d - \beta_1 c / 2) / \Omega_c \leq K M_y / \Omega_s \quad (\text{Eq. A3-6b})$$

Item #6 Renumber Equations on Page 30 as follows:

Change Eq. A3-6a to Eq. A2-17a

Change Eq. A3-6b to Eq. A2-17b

Change Eq. A3-7 to Eq. A2-18

Change Eq. A3-8 to Eq. A2-19

Change Eq. A3-9 to Eq. A2-20

Item #7 Change Section A2.2.2.B on Page 30 as follows:
(change Equation Number)

Equations A2-17a and A2-17b are valid only for composite slabs where no part of the steel deck has yielded.

Item #8 On Page 31, Section A3.1.3.C:

Change "Section 2.4.B.7" to "Section 2.4.B.9"

Item #9 On Page 31, Section A3.1.4:

Change "Section 2.4.B.8" to "Section 2.4.B.10"

Item #10 On Page 37

Change number of section heading from "A2.2" to A4.2"

Item #11 On Page 42, Section A5.3:

In definition of E_c , change SI units for f'_c to kg/m^2 (squared, not cubed)

Item #12 On Page 42, Section A5.3, change text to:

"The cracked moment of inertia transformed to steel, I_{cr}, \dots "
(Change I_c to I_{cr})

Item #12 On Page 42, Equation A5-2:

Change I_c to I_{cr}