

2010 Edition of ASCE 7  
*Minimum Design Loads for Buildings and Other Structures*

## Errata for Grammatical Clarifications

This document, containing the errata to ASCE 7-10, is periodically updated and posted on the SEI website at [www.SEInstitute.org](http://www.SEInstitute.org). The errata are organized by date in descending order (most recent to furthest past) hence regular users of this document need only review the errata posted since their previous use. This document will be regularly updated as errata are identified.

Errata posting: January 11, 2011

### Errata Posted on January 11, 2011

## ACKNOWLEDGEMENTS:

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Subcommittee on Dead and Live Loads

Change: Adam W. Dayhoff, A.M.ASCE to Robert J. Dayhoff, M.ASCE

Add: [Philip R. Brazil, S.E., M.ASCE](#)

## CHAPTER 1:

Revise the last sentence of Section 1.3.1.3.4 to read as follows, remainder of section is unchanged:

Upon satisfactory completion, the peer ~~reviewers~~ ~~review~~ shall submit a letter to the authority having jurisdiction indicating the scope of their review and their findings.

Revise the last sentence of Section 1.4.2 as follows:

Any smaller portion of the structure shall be tied to the remainder of the structure with elements having the strength to resist a force of not less than 5% of the portion's weight.

## CHAPTER 2:

Revise the second paragraph following the exceptions in Sections 2.3.2 and 2.4.1 as follows – make the word “load” plural:

Where loads  $H$  are present, they shall be included as follows:

Revise Section 2.3.6 as follows:

**2.3.6 Load Combinations for Nonspecified Loads:** Where approved by the Authority Having Jurisdiction, the ~~Registered Responsible~~ Design Professional is permitted to ... (remainder of section is unchanged)

Revise Section 2.5.2.2 as follows:

**2.5.2.2 Residual Capacity:** For checking the residual load-carrying capacity of a structure or structural element following the occurrence of a damaging event, selected load-bearing elements identified by the ~~Registered Responsible~~ Design Professional shall be... (remainder of section is unchanged)

## CHAPTER 4:

Revise the definition of Screen Enclosure in Section 4.1 as shown below – make the word “enclose” plural:

**SCREEN ENCLOSURE:** A building or part thereof, in whole or in part self-supporting, and having walls and a roof of insect or sun screening using fiberglass, aluminum, plastic or similar lightweight netting material, which encloses an occupancy or use such as outdoor swimming pools, patios or decks, and horticultural and agricultural production facilities.

Revise the last sentence of the second paragraph of Section 4.5.4 as follows – make “ship” plural:

Where rails of fixed ladders extend above a floor or platform at the top of the ladder, each side rail extension shall be designed to resist a single concentrated live load of 100 lb (0.445 kN) in any direction at any height up to the top of the side rail extension. Ship ladders with treads instead of rungs shall have minimum design loads as stairs, defined in Table 4-1.

Revise Section 4.9.2 as follows:

**4.9.2 Maximum Wheel Load:** The maximum wheel loads shall be the wheel loads produced by the weight of the bridge, as applicable, plus the sum of the rated capacity and the weight of the trolley with the trolley positioned on its runway at the location where the resulting load effect is ~~maximized~~ ~~maximum~~.

Remove extraneous text in AASHTO reference in Section 4.10 as follows:

### **AASHTO**

American Association of State Highway and Transportation Officials, 444 North Capitol Street, NW, Suite 249, Washington, DC 20001

~~Sections 4.4.3, Table 4-1~~

AASHTO LRFD Bridge Design Specifications, 4<sup>th</sup> edition, 2007, with 2008 Interim Revisions  
Sections 4.5.3, Table 4-1

## CHAPTER 12:

Revise the third sentence of Section 12.2.1 as follows – make “system” plural:

The structural systems used shall be in accordance with... (remainder of section unchanged)

## CHAPTER 13:

Revise Item 3b in Section 13.6.8.3 as follows:

- b. For Seismic Design Categories D, E, or F and ~~values of  $I_p$  are~~ is greater than 1.0, the nominal pipe size shall be 1 in. (25 mm) or less.

## CHAPTER 14:

Revise Section 14.2.2.3 as follows:

**14.2.2.3 Scope:** Modify Section 21.1.1.3 to read as follows:

**21.1.1.3** All members shall satisfy requirements of Chapters 1 to 19 and 22. Structures assigned to SDC B, C, D, E, or F also shall satisfy 21.1.1.4 through 21.1.1.8, as applicable, *except as modified by the requirements of Chapters 14 and 15 of ASCE 7-10 this standard*.

Revise Section 14.2.2.6 as follows:

**14.2.2.6 Special Precast Structural Walls:** Modify Section 21.10.2 to read as follows:

**21.10.2** Special structural walls constructed using precast concrete shall satisfy all requirements of Section 21.9 in addition to Section 21.4 as modified by Section 14.2.2 of ASCE 7-10.

## CHAPTER 15:

Section 15.7.6.1 – remove the words “of this standard” from the end of items b and c.

## CHAPTER 23:

Revise references as follows:

### ACI 307

Sections 15.4.1 and 15.6.2

Code Requirements for Reinforced Concrete Chimneys and Commentary, 2008

### **ACI 318**

Sections 13.4.2.1, 13.4.4, 13.5.7.2, 14.2.1, 14.2.2, 14.2.2.1, 14.2.2.2, 14.2.2.3, 14.2.2.4, 14.2.2.5, 14.2.2.6, 14.2.2.7, 14.2.2.8, 14.2.2.9, 14.2.3, 14.2.3.1.1, 14.2.3.2.1, 14.2.3.2.2, 14.2.3.2.3, 14.2.3.2.5, 14.2.3.2.6, 14.3.1, 14.4.6.2.2, 14.4.7.2, ~~14.4.6.2.2, 14.4.7.2, 14.4.4.2.2, 14.4.5.2, 15.4.9.1, 15.6.2, 15.7.5, 15.7.11.7~~

### **ACI 355.2**

Section ~~13.4.2~~ 13.4.2.3, 13.6.5.5, 15.4.9.3.

### **ACI 530**

Sections 13.4.2.2, 14.4.1, 14.4.2, ~~14.4.4~~, 14.4.5, 14.4.5.1, ~~14.4.5.2~~, 14.4.6, 14.4.6.1, 14.4.6.2.2, 14.4.7, 14.4.7.1, 14.4.7.2, 14.4.7.3, 14.4.7.4, 14.4.7.5, 14.4.7.6, ~~14.4.7.7, 14.4.7.8~~, 14.4.8, 14.4.8.1, 15.4.9.2

**AF&PA NDS**

Sections 12.4.3.3, ~~12.14.2.2.2.3~~, 14.5.1

**AF&PA SDPWS**

Sections ~~12.14.6.2~~ 12.14.7.2, 14.5.1, ~~14.5.3, 14.5.3.1~~

**ANSI/AISC 360**

Sections 14.1.1, 14.1.2.1, 14.1.2.2.1, 14.3.1, 14.3.2, 11A.1.3.6.2

**ANSI/AISC 341**

Sections 14.1.1, ~~14.1.2, 14.1.3~~ 14.1.2.2.1, 14.1.2.2.2, 14.1.7, 14.3.1, 14.3.3, 11A.1.3.6, 11A.2.4

**ANSI/AISI S100**

Sections 14.1.1, 14.1.3.1, 14.1.3.2, 14.1.3.3.2, 14.1.3.3.3, 14.1.3.3.4, 14.1.4, 14.1.4.1, 14.1.5

**ANSI/AISI S110**

Sections 14.1.1, ~~14.1.4~~, 14.1.3, 14.1.3.2, 14.1.3.3, 14.1.3.3.1, 14.1.3.3.2, 14.1.3.3.3, 14.1.3.3.4, 14.1.3.3.5; Table 12.2-1

**ANSI/AISI S230 w/S2-08**

Sections 14.1.1, ~~14.1.4.2~~ 14.1.4.3

**ANSI/AISI S213 w/S1-09**

Sections 12.14.7.2, 14.1.1, ~~14.1.2, 14.1.3~~ 14.1.4.2

**ASCE 5**

Sections 13.4.2.2, 14.4.1, 14.4.2, ~~14.4.4~~, 14.4.5, 14.4.5.1, ~~14.4.5.2~~, 14.4.6, 14.4.6.1, 14.4.6.2.2, 14.4.7, 14.4.7.1, 14.4.7.2, 14.4.7.3, 14.4.7.4, 14.4.7.5, 14.4.7.6, ~~14.4.7.7, 14.4.7.8~~, 14.4.8, 14.4.8.1, 15.4.9.2

**ASCE 8**

Sections 14.1.1, ~~14.1.4, 14.1.4.2, 14.1.6~~ 14.1.3.1, 14.1.3.2, 14.1.5

**ASCE 19**

Sections 14.1.1, ~~14.1.7~~, 14.1.6

**ASME A17.1**

*ASME A17.1 Safety Code for Elevators and Escalator*, ~~2004~~ 2007

**ASME B31 (consists of the following listed standards)**

Sections 13.6.5.1, 13.6.8.1, ~~13.6.8.4~~

**ASTM A 421/A421 M**

Section 14.2.2.4

*Standard Specification for Uncoated Stress-Relieved Steel Wire for Prestressed Concrete, 2002*

**ASTM A 435**

Section 11A.2.5

*Specification for Straight Beam Ultrasound Examination of Steel Plates, 2001*

**ASTM A 615/A615M**

Section 14.2.2.4

*Standard Specification for Deformed and Plain Billet Steel Bars for Concrete Reinforcement, 2004b*

**ASTM A 108**Section 11.3Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished, 2007**ASTM A 307**Section 11.3Standard Specification for Carbon Steel Bolts and Studs, 60 000 PSI Tensile Strength, 2007b**ASTM A 500**Section 14.1.3.3.4Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes, 2009**ASTM A 653**Section 14.1.3.3.3Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process, 2009**ASTM A 706/A706M**Sections ~~14.2.2.4, 14.4.9~~ 14.4.4.2.2, 14.4.5.2**~~ASTM A 722 /A722M~~**~~Section 14.2.2.4~~~~Standard Specification for Uncoated High-Strength Steel Bars for Prestressing Concrete, 2003~~**~~ASTM A 898/A898M~~**~~Section 11A.2.5~~~~Specification for Straight Beam Ultrasound Examination for Rolled Steel Shapes, 2001~~**ASTM C 635**Sections, 13.5.6.2.1, 13.5.6.2.2**ASTM C 636**Sections, 13.5.6.2.1, 13.5.6.2.2**ASTM E 580**Sections 13.5.6.2.1, 13.5.6.2.2Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions, 2009a**AWWA D100**Sections 15.4.1, 15.7.7.1, 15.7.9.4, 15.7.10.6, ~~15.7.10.6.2~~Welded Steel Tanks for Water Storage, 2005 2006**AWWA D110**

Section 15.7.7.3

Wire- and Strand-Wound Circular Prestressed Concrete Water Tanks, 1995 2004**~~CISCA~~**~~Ceilings and Interior Systems Construction Association~~~~1500 Lincoln Highway~~~~Suite 202~~~~St. Charles, Illinois 60174~~

\*CISCA-04 for Seismic Zones 0-2

~~Section 13.5.6.2.1~~~~Recommendations for Direct Hung Acoustical Tile and Lay In Panel Ceilings, Seismic Zones 0-2, 2004~~~~\*CISCA-04 for Seismic Zones 3-4~~~~Section 13.5.6.2.2~~~~Recommendations for Direct Hung Acoustical Tile and Lay In Panel Ceilings, Seismic Zones 3-4, 2004~~**NFPA 13**Sections 13.4.6, 13.6.5.1, ~~13.6.8~~, 13.6.8.2, ~~13.6.8.4~~.**NFPA 59A**

Section 15.4.8

*Production, Storage, and Handling of Liquefied Natural Gas (LNG)*, ~~2005-2006~~**TMS 402**Sections ~~13.4.2.2~~, 14.4.1, 14.4.2, ~~14.4.4~~, 14.4.5, 14.4.5.1, ~~14.4.5.2~~, 14.4.6, 14.4.6.1, 14.4.6.2.2, 14.4.7, 14.4.7.1, 14.4.7.2, 14.4.7.3, 14.4.7.4, 14.4.7.5, 14.4.7.6, ~~14.4.7.7, 14.4.7.8~~, 14.4.8, 14.4.8.1, 15.4.9.2

## COMMENTARY

### CHAPTER C7:

Revise Figures C7-2 and C7-3 captions as follows:

**FIGURE C7-2 Leeward Snow Drift on Adjacent Roof, ~~Seperation~~ Separation  $S < 20$  Ft.****FIGURE C7-3 Windward Snow Drift on Adjacent Roof, ~~Seperation~~ Separation  $S < 20$  Ft.**

### CHAPTER C28:

Revise reference for Figures C28.4-1 from “(After Ellingwood, 1982)” to “(After Davenport, A. G., Surry, D., and Stathopoulos, T. 1978)”.