NCEES
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CIVIL—STRUCTURAL Design Standards[1]

These standards apply to the Structural afternoon module of the PE Civil exam.

Effective Beginning with the April 2017 Examinations

Revisions are shown in red.

ABBREVIATION	DESIGN STANDARD TITLE
AASHTO	*AASHTO LRFD Bridge Design Specifications,* 7th edition, American Association of State Highway & Transportation Officials, Washington, DC.
IBC	*International Building Code,* 2012 edition (without supplements), International Code Council, Falls Church, VA.
ASCE 7	*Minimum Design Loads for Buildings and Other Structures,* 2010, 3rd printing, American Society of Civil Engineers, Reston, VA.
ACI 318[2]	*Building Code Requirements for Structural Concrete*, 2011, American Concrete Institute, Farmington Hills, MI.
AISC	*Steel Construction Manual,* 14th edition, American Institute of Steel Construction, Inc., Chicago, IL.
NDS[3]	*National Design Specification for Wood Construction ASD/LRFD,* 2012 edition, and *National Design Specification Supplement, Design Values for Wood Construction,* 2012 edition, American Forest & Paper Association, Washington, DC.
OSHA CFR 29 Part 1910	Occupational Safety and Health Standards Subpart A, General, 1910.1–1910.9, with Appendix A to 1910.7 Subpart D, Walking-Working Surfaces, 1910.21–1910.30 Subpart F, Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms, 1910.66–1910.68, with Appendix A–Appendix D to 1910.66
Part 1926	Safety and Health Standards for Construction Subpart E, Personal Protective and Life Saving Equipment, 1926.95–1926.107. Subpart M, Fall Protection, 1926.500–1926.503, Appendix A–Appendix E. Subpart Q, Concrete and Masonry Construction, 1926.700–1926.706, with Appendix A. Subpart R, Steel Erection, 1926.750–1926.761, with Appendix A–Appendix H.
PCI	*PCI Design Handbook: Precast and Prestressed Concrete,* 7th edition, 2010, Precast/Prestressed Concrete Institute, Chicago, IL.

TMS 402/602[4]
(ACI 530/530.1) *Building Code Requirements and Specifications for Masonry Structures* (and related commentaries), 2011; The Masonry Society, Boulder, CO; American Concrete Institute, Detroit, MI; and Structural Engineering Institute of the American Society of Civil Engineers, Reston, VA.

Notes

1. Solutions to exam questions that reference a standard of practice are scored based on this list. Solutions based on other editions or standards will not receive credit. All questions are in USCS units.
2. Appendix C does not apply to the Civil Structural examination.
3. Examinees will use only the (Allowable Stress Design) ASD method for wood design.
4. Examinees will use only the ASD method, except strength design Section 3.3.5 may be used for walls with out-of-plane loads.