

ARIZONA REGISTRAR OF CONTRACTORS

A-7 PIERS AND FOUNDATIONS (COMMERCIAL)

SCOPE OF WORK

Installation of piers and foundations using concrete, rebar, posttension and other materials common to the industry. Includes pile driving, excavation, forming and other techniques and equipment common to the industry.

Examination	# of Questions	Minimum Passing Score	Time Allowed
A-7	60	70%	150 Minutes

CONTENT OUTLINE

Subject Area	# of Items
Equipment and Technique	8
Compaction	8
Excavation and Grading	9
Soil Types	8
Piles	7
Concrete Formwork	5
General Concrete	8
Safety	7

REFERENCE LIST

To find reference materials, you may use the link provided or search for the material online via a search engine such as Google. You may also go to PSI's online store at www.psionlinestore.com.

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. **Except for Code books**, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based **only** on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or www.access.gpo.gov/nara/cfr/cfr-table-search.html

OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, 3210 E Tropicana, Las Vegas, NV 89121, (800) 733-9267, www.psionlinestore.com (See order form at the end of the Candidate Information Bulletin.)

International Building Code, 2018, International Code Council, (800) 786-4452, www.iccsafe.org

The following reference material is not allowed in the examination center:

Design and Control of Concrete Mixtures, 2011 or 2016, Steven H. Kosmatka, William C. Panarese, Portland Cement Association, 5420 Old Orchard Road, Skokie, IL 60077-1083, 847-966-6200, www.cement.org

Construction Planning, Equipment, and Methods, Robert L. Peurifoy, Clifford J. Schexnayder, Aviad Shapira, 2005 or 2010, McGraw Hill, www.mhhe.com

Pipe and Excavation Contracting, Dave Roberts, 1987 or 2011, Craftsman Book Company, (800) 829-8123, www.craftsmanbook.com

Soils and Foundations, Cheng Liu and Jack B. Evett, 2008, 7th edition.

Formwork for Concrete, 2005 or 2014, M.K. Hurd American Concrete Institute, 38800 Country Club Drive, PO Box 9094, Farmington Hills, MI 48333, www.concrete.org

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, annotated and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing, highlighting, underlining and/or indexing in the references during the examination will be reported to the Arizona Registrar of Contractors. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. References may be tabbed/indexed with permanent tabs only. (permanent tabs are defined as tabs that would tear the page if removed). Temporary tabs, (defined as Post-It notes, or other tabs that may be removed without tearing the page) are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.