

## ARIZONA REGISTRAR OF CONTRACTORS

### A-19 SWIMMING POOLS, INCLUDING SOLAR (COMMERCIAL) AND B-6 GENERAL SWIMMING POOL CONTRACTOR, INCLUDING SOLAR (RESIDENTIAL)

#### SCOPE OF WORK

**A-19 Swimming Pools, Including Solar** - Construction, service and repair of swimming pools and spas, with or without solar water heating devices, including water and gas service lines from point of service to pool equipment, wiring from pool equipment to first readily accessible disconnect, pool piping, fittings, backflow prevention devices, waste lines, and other integral parts of a swimming pool, spa and attached solar water heating device. Also included are swimming pool accessories, covers, safety devices and fencing for protective purposes, if in the original contract.

**B-6 General Swimming Pool Contractor, Including Solar** - The scope of work allowed in this classification is the same as B-5 (including all B-5R subclassifications) with the inclusion of solar heating devices. B-5 includes the following: Construction and repair of swimming pools and spas. Installation of code required pool barriers around the swimming pool or spa and installation of utilities from the point of service to the pool equipment. Construction of other structures or appurtenances is excluded.

The trade test is considered equivalent for these classifications and upon passing the CBME and trade exam, either license classification may be applied for without further testing.

Examination	# of Questions	Minimum Passing Score	Time Allowed
A-19 and B-6	50	70%	120 Minutes
A-19 and B-6 Solar	30	70%	75 Minutes

#### CONTENT OUTLINE FOR A-19 AND B-6

Subject Area	# of Items
Plan Reading and Estimating	3
Sitework and Excavating	9
Forming and Reinforcing	9
Concrete	8
Shotcrete	8
Pool Equipment	8
Safety	5

#### CONTENT OUTLINE FOR A-19 AND B-6 SOLAR

Subject Area	# of Items
Solar Pools	30

#### REFERENCE LIST FOR A-19 AND B-6

To purchase reference materials, go to PSI's online store at [www.psionlinestore.com](http://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#page1](http://www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1)  
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.psiexams.com](http://www.psiexams.com) (See order form at the end of the Candidate Information Bulletin.)
- *International Building Code*, 2009, International Code Council, (800) 786-4452, [www.iccsafe.org](http://www.iccsafe.org) **Starting 1/1/2019 the 2018 code will be used**
- *International Residential Code for One- and Two-Family Dwellings*, 2009, International Code Council, (800) 786-4452, [www.iccsafe.org](http://www.iccsafe.org) **Starting 1/1/2019 the 2018 code will be used**

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

- *Certified Pool-Spa Operators Handbook*, 2006, National Swimming Pool Foundation, 10803 Gulfdale Suite 300, San Antonio, TX 78216, (516) 623-3447, [www.nspf.com](http://www.nspf.com)
- *Design and Control of Concrete Mixtures* 2010, Steven H. Kosmatka, William C. Panarese, ISBN 0893122173, Portland Cement Association, 5420 Old Orchard Road, Skokie, IL 60077-1083, 847-966-6200, [www.portcem.org](http://www.portcem.org)
- *Placing Reinforcing Bars, Recommended Practices*, 2011, 9th Edition, Concrete Reinforcing Steel Institute, Distribution Center, 933 N. Plum Grove Road, Schaumburg, IL 60173, (847) 517-1200, [www.crsi.org](http://www.crsi.org)
- *Guide to Shotcrete*, American Concrete Institute, PO Box 9094 Farmington Hills, MI 48333, 2488483700, [www.aci-int.org/](http://www.aci-int.org/)
- *Pipe and Excavation Contracting*, Dave Roberts, 1987, Craftsman Book Company, (800) 829-8123, [www.craftsman-book.com/products](http://www.craftsman-book.com/products), ISBN 0-934041-22-9

#### REFERENCE LIST FOR A-19 AND B-6 SOLAR

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

- *Solar Water and Pool Heating Design and Installation Manual*, 2006, Florida Solar Energy Center, 1679 Clearlake Road, Cocoa, FL 32922-5703, (321) 638-1015, [www.nabcep.org/wp-content/uploads/2013/08/FSEC\\_Solar\\_Water\\_and\\_Pool\\_Heating\\_Manual.pdf](http://www.nabcep.org/wp-content/uploads/2013/08/FSEC_Solar_Water_and_Pool_Heating_Manual.pdf)

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.

