

A-19 Swimming Pools, Including Solar (Commercial) and B-6 General Swimming Pool Contractor, Including Solar (Residential)

Exam Number: 030604
Effective Date: 08/18/08

License Information

A-19 Swimming Pools, Including Solar Scope – 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 Scope – 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. Swimming Pool Covers, Fiberglassing and Swimming Pools, Reservoir Linings and Covers, Factory Fabricated Pools and Accessories.

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 Outline

Closed Book

80 Questions - Three-hour time limit

70% Correct required to pass

Exam Topic	%
Calculations/Estimating/Sizing	24
Water Treatment Systems	14
Installation of Pools and Spas	12
Filtration Systems	11
Solar	10
Fuel Gas Piping/Heaters	8
Equipment Piping/Testing	8
Electrical	6
Circulation Systems	5
Fencing	2

References

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *Basic Pool and Spa Technology*, Third Edition, 2001, National Spa and Pool Institute (NSPI), 2111 Eisenhower Avenue, Alexandria, VA 22314, www.nspi.org.
2. *Building Code Requirements for Structural Concrete and Commentary – ACI 318-05*, 2005, American Concrete Institute (ACI), P.O. Box 9094, Farmington Hills, MI 48333, www.concrete.org.
3. *Certified Pool-Spa Operator Handbook*, 2005 Edition, National Swimming Pool Foundation (NSPF), 224 East Cheyenne Mountain Boulevard, Colorado Springs, CO 80906, www.nspf.com.
4. *Guide to Shotcrete - ACI 506R-05*, 2005, American Concrete Institute (ACI), P.O. Box 9094, Farmington Hills, MI 48333, www.concrete.org.
5. *International Building Code*, 2006, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
6. *International Fuel Gas Code*, 2006, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
7. *International Residential Code for One- and Two-Family Dwellings*, 2006, International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
8. *NFPA 70 National Electrical Code*, 2005 Edition, National Fire Protection Association, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101, www.nfpa.org.
9. *Uniform Plumbing Code*, 2006, International Association of Plumbing and Mechanical Officials (IAPMO), 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.
10. *Uniform Solar Energy Code*, 2006, International Association of Plumbing and Mechanical Officials (IAPMO), 5001 East Philadelphia Street, Ontario, CA 91761-2816, www.iapmo.org.

State of Arizona

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11. *Uniform Swimming Pool, Spa and Hot Tub Code*,
2006, International Association of Plumbing and
Mechanical Officials (IAPMO), 5001 East
Philadelphia Street, Ontario, CA 91761-2816,
www.iapmo.org.

*For information on how to obtain exam references,
please call toll-free 877.624.2562.*

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