



**CONCRETE**

**SCOPE**

Contractor certified as having knowledge in the area of placement and finishing of concrete, mixing or batching of concrete, cutting and coring of concrete, and concrete pumping as well as all business and finance knowledge/skills associated therewith.

**EXAMINATION CONTENTS**

**Business and Finance Exam – 2 Hours**

<b>Subjects</b>	<b>Number of Questions</b>
Financial Management	6
Estimating & Bidding	6
General Contract Management	7
General Project Management	6
Personnel Management	4
Tax Laws	5
Insurance & Bonding	3
Contracting Laws	5
OSHA Requirements	3
Business Organization & Management	5
<b>Total Number of Questions</b>	<b>50</b>

**Trade Knowledge Exam – 4 Hours**

<b>Subjects</b>	<b>Number of Questions</b>
Safety Issues	2
Basic Concrete Skills	5
Codes and Laws	5
Concrete Mixes	8
Concrete Testing	8
Blueprint and Specifications	8
Horizontal Concrete Construction	7
Vertical Concrete Construction	7
<b>Total Number of Questions</b>	<b>50</b>

**THIS EXAM MAY INCLUDE ADDITIONAL NONSCORED TRIAL QUESTIONS.**

**TO QUALIFY FOR A LICENSE, YOU MUST PASS BOTH THE BUSINESS AND FINANCE EXAM AND THE TRADE KNOWLEDGE EXAM.**

**EXAMINATION REFERENCES**

The following references with an asterisk (\*) indicate the books you may bring to the test site and use to assist you in answering the questions. These are the **ONLY** references you may bring with you.

- \* Code of Federal Regulations, Title 29, Part 1926 (OSHA), 2005, US Government Bookstore 100 West Bay St. Ste. 100, Jacksonville, FL 32202 (904) 353.0569
- \* Florida Building Code - Building, 2004, International Code Council, Inc. 5203 Leesburg Pike, Ste 600, Falls Church, VA 22041, [www.iccsafe.org](http://www.iccsafe.org) (800-786-4452)
- \* Test Protocols for High Velocity Hurricane Zones, 2004, International Code Council, Inc. 5203 Leesburg Pike, Ste 600, Falls Church, VA 22041, [www.iccsafe.org](http://www.iccsafe.org) (800-786-4452)

**No marks, highlighting, or notes of any sort may be made in the reference materials during the examination. Highlighting and permanent tabbing prior to the examination is acceptable. "Post it" notes are not permanent and will not be allowed. No handwritten notes may be made in the reference materials prior to or during the examination.**

The following references may be used to help prepare you for the examination. **You are NOT required to purchase these reference books and they may NOT be brought to the examination. They are only suggested if you feel the need for additional study.**

AIA - A201, General Conditions of Contract, 1997, American Institute of Architects, 104 East Jefferson St., Tallahassee, FL 32301 (800) 365.2724

AIA - A401, Contractor - Subcontractor Agreement, 1997, American Institute of Architects, 104 East Jefferson St., Tallahassee, FL 32301 (800) 365.2724

Builder's Guide to Accounting, 2001, Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009 (800) 829.8123

Contractors Manual, 2004, Association of Builders and Contractors Institute, Inc., 3730 Coconut Creek Pkwy., Ste., 200 Coconut Creek, FL 33066 (561) 432.9442

The Guide to Florida's Construction Lien Law, 1997, ProfitGuard, P.O. Box 10354, Tallahassee, FL 32302

ASTM C94/C94M-04a, Standard Spec for Ready-Mixed Concrete, 2002, American Society for Testing and Materials (ASTM), 100 Barr Harbor Dr., P.O. Box C700, West Conshohocken, PA 19428 (610) 832.9585

Cement Mason's Guide, 6<sup>th</sup> Ed., 1995, Portland Cement Association Publications, 5420 Old Orchard Rd, Skokie, IL 60077 (800) 868.6733

Concrete Manual, 5<sup>th</sup> Ed., 2000, International Conference of Building Officials, 5360 Workman Mill Rd., Whittier, CA 90601-2298

Construction Manual: Concrete and Formwork, 11<sup>th</sup> Ed., 2001, Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009 (800) 829.8123

Design and Control of Concrete Mixtures, 14<sup>th</sup> Ed., Portland Cement Association Publications, 5420 Old Orchard Rd, Skokie, IL 60077 (800) 868.6733

Guide to Shotcrete, 506R.90, 1995, American Concrete Institute, 38800 International Way, Country Club Dr., P.O. Box 9094, Farmington Hills, MI 48333 (248) 848.3700

Masonry and Concrete Construction, 1998, Craftsman Book Company, 6058 Corte Del Cedro, Carlsbad, CA 92009 (800) 829.8123

Placing Reinforcing Bars, 7<sup>th</sup> Ed., 2005, Steel Institute Distribution Center, P.O. Box 6996, 1650 Bluegrass Lakes, Alpharetta, GA 30236 (800) 465.2774

The Contractors Guide to Quality Concrete Construction, 2<sup>nd</sup> Ed., 1998, American Concrete Institute, 38800 International Way, Country Club Dr., P.O. Box 9094, Farmington Hills, MI 48333 (248) 848.3700

Local Licensing Ordinances

## ADDITIONAL INFORMATION

Please refer to the Candidate Information Bulletin for this examination for any additional information or requirements.

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