



Professional Testing

GLASS AND GLAZING

SCOPE

Contractor certified as having knowledge in the area of, and is limited to, the fabrication, installation and attachment of all types of windows and glass, whether fixed or movable; the installation of swinging or sliding glass doors to existing walls, floors, columns or other structural members of the building; the installation of glass holding or supporting mullions or horizontal bars which are attached to existing building walls, floors, columns or other structural members of the building, and the cutting and installation of glass and mirrors. A glass and glazing specialty contractor may also install wall systems and prefabricated glass, metal or plastic curtain walls or panels, caulking incidental to such work and assembly, and fabrication and installation of shower & tub enclosures and metal fascias. Nothing in this rule shall be deemed to restrict or limit in any manner the scope of work authorized by law of other contractor classifications. Contractor also certified in the area of all business and finance knowledge/skills associated therewith.

EXAMINATION CONTENTS

Business and Finance Exam – 2 Hours

Subjects	Number of Questions
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
Total Number of Questions	50

Trade Knowledge Exam – 4 Hours

Subjects	Number of Questions
Pre-Construction Activities	21
Fabricating *Product	12
Transporting *Product	3
Installing *Product	21
Servicing *Product	3
Total Number of Questions	60

*For purpose of this content outline, product is defined as curtain walls, decorative glass and glazing, glass and aluminum doors, glass, glass floors, glass railings, interior glass and glazing, mirrors, overhead glazing, panels and miscellaneous metals, shower doors, store fronts, structural glass (frameless) and windows.

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 (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 (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

American Architectural Manufacturers Association, 1827 Walden Office Square, Ste. 550, Schaumburg, IL 60173 (847) 303.5664:

Aluminum Store Front and Entrance Manual SFM-1-87, 2002

Anodic Finishes Painted Aluminum - Curtain Wall Series, 1991

Curtain Wall Design Guide Manual CW-DG-1, 2005

Glass Design for Sloped Glazing, 1987

Installation of Aluminum Curtain Walls, 1989

Care and Handling of Architectural Aluminum from Shop to Site CW-10, 2004

Cleaning and Maintenance Guide for Architecturally Finished Aluminum 609 & 610-02, 2002

Metal Curtain Wall Manual MCWM-1-89, 2002

North American Fenestration Standard 101/I.S.2/NAFS-02, 2002

Sloped Glazing Guidelines TIR-A7-83, 2002

Voluntary Spec. for Hurricane Impact and Cycle Testing of Fenestration Products - 506-00, 2003

Voluntary Spec. for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors 101/I.S.2-97, 2003 w/2005 errata.

ANSI Z97.1, 2004, American National Standards Institute, 1430 Broadway, New York, NY 10018

American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428 (610) 832.9585:

C1036, Standard Spec. for Flat Glass, 2001

C1048, Standard Spec. for Heat-Treated Flat Glass-King, 2004

HS, King FT Coated and Uncoated, 1998

C1172-96, Standard Spec. for Laminated Flat Glass, 2003

Dow Corning Americas Technical Manual, 2002, dowcorning.com

Glass Association of North America, 2945 SW Wanamaker Dr., Ste. A, Topeka, KS 66614-5321 (785) 271.0208:

Glazing Manual, 2004

Laminated Glass Design Guide, 2004

Laminated Glazing Reference Manual, 2003

FGMA Sealant Manual, 1990

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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