

WILLIAM D. SMITH

CURRICULUM VITAE

March 2025

PERSONAL DATA

Name: William Dale Smith
Marital Status: Married, two children
Residence: Lake Worth, Florida

PROFESSIONAL EXPERIENCE

2021 – Present: Principal
GCI Consultants, LLC
Construction consulting & engineering firm

1998 - 2020: President
GCI Consultants, LLC
Construction consulting & engineering firm

1992 - 1998: Vice-President
Glazing Consultants, Inc.
Construction consulting firm

1991 - 1992 Independent Consultant to:
Allied Accent Building Products
Commercial glazing firm and skylight manufacturing

1982 - 1991 President & General Manager, Consultant
Allied Building Specialties, Inc.
Commercial glazing & construction firm

1979 - 1982 Special Projects - Sales & Design
Allied Building Specialties, Inc.

1974 - 1979 Sales Manager
Sasser's Glass Works, Inc.
Commercial glazing firm

1971 - 1974 Salesman/Draftsman
Sasser's Glass Works, Inc.

PROFESSIONAL ASSIGNMENTS

- 1) GCI Consultants, LLC: Perform construction consulting and expert services for product manufacturers, builders and contractors, architects, developers and owners, and legal firms. Types of buildings include: office buildings, hospitals, airports, educational facilities, condominiums, resort complexes, municipal buildings, and multi-family and single family residential structures. Services include design, specification writing, architectural review and analysis of product applications, field inspections, field testing, forensic investigation and analysis, and associated services related to new or existing installations of glass, windows, doors, curtain wall, Exterior Insulation and Finish Systems (EIFS) and other exterior wall cladding systems, as well as all aspects of waterproofing these and related products. Specialty applications include designs and/or investigations of wall and glazing systems as related to building security, blast resistance, hurricane resistance, and specialty displays or exhibits.
- 2) Allied Accent Building Products: Consultant to commercial glazing firm and skylight manufacturer. Services included product design, estimating, project purchasing, expediting, and project management.
- 3) Allied Building Specialties, Inc.: A commercial glazing and construction firm. General management duties included sales, estimating, project coordination and employee supervision. Consulting services include product design, specification writing, and forensic consulting. Developed design and manufacture methods of eleven window and framing systems including storefront framing, thermally broken wall systems, stick curtain wall, structural glazed curtain wall, windows, etc. Types of glazing projects included glass curtain walls, storefronts, sloped glazing and skylights, sliding glass doors, windows, and all types of glass products. Also specialized in leak investigation and repair methods. Types of construction projects included remodel and renovation of office buildings, building envelope construction, and interior build-out.
- 4) Sasser's Glass Works, Inc.: Commercial glazing contractor specializing in storefronts, windows, and sliding glass door installations. Other products included glass replacements of all sorts, leak repairs, and hardware installations. Duties included sales, estimating, employee supervision, and project management.

EDUCATION

- 1969 - 1971: Palm Beach State College, Lake Worth, Florida
Major: Architectural Design
- 1965 - 1968: Lake Worth High School, Lake Worth, Florida

CONTINUING EDUCATION

- 2020 “Methods of Prevention and Investigation of Insulating Glass Failures,”
Fenestration & Glazing Industry Alliance, September, 2020.
- 2020 CE Academy Webinar “Florida Building Code, 6th Edition (2017) Advanced
Class for Fenestration.”
- 2020 CBC Licensing CEU’s, PACE Continuing Education, April 2020:
“Preventing Mold in New Construction”
“Reducing Energy costs Through Fenestration Optimization”
“Environmentally Safe Paints & Painting Techniques”
- 2017 CBC Licensing CEU’s, PACE Continuing Education, June 2017:
“The Building Envelope”
“Wind Mitigation Methodologies, Retrofit for Existing Homes”
“Energy Efficient Ventilation Techniques”
“Homebuilders Guide to Coastal Construction”
“Asbestos in Construction”
“Energy Efficient Roofs”
“Advanced FBC Permits”
- 2016 RCI Seminar, December 2016
Waterproofing Workshop - Materials and Installation
Hot Rubber, Self-Adhered Sheet & Cold Applied Waterproofing, Fluid Applied
Air Barrier, Wing & Compression Expansion Joint, Urethane & Silicone Sealants
- 2015 Wind Mitigation Strategies for Protecting Openings, Construction Estimating
Institute, 2015.
- 2014 CSE / RCI Seminar, December 2014
“Current Construction Litigation Issues”
- 2014 CBC Licensing CEU’s, PACE Continuing Education, March 2014:
“Mold Remediation in Schools & Public Buildings”
- 2014 Millwork Principles and Practices, Association of Millwork Distributors’, CBC
Licensing CEU’s, PACE Continuing Education, February/March 2014:
“Introduction to Millwork”
“Wood Millwork Materials”
“Non-wood Millwork Materials”
“Doors and Door Units”
“Windows and Window Units”

CONTINUING EDUCATION (continued)

- 2014 CBC Licensing CEU's, PACE Continuing Education, January 2014:
"Wind Mitigation Methodologies"
"Advanced Florida Building Code, the Florida Building Commission"
- 2012 RCI Building Envelope Technology Symposium, Phoenix, AZ, October 2012:
"Rethinking Gutter Design for Steep-Sloped Roofing"
"Building Envelope Design Under the 2009 Codes: Glazing Ratio Requirements"
"Building Enclosure Commissioning"
"Curtain Wall Issues, Problems, and Solutions"
"Low or High Vapor Permeability of Water-Resistive Barriers"
- 2012 CBC Licensing CEU's, PACE Continuing Education, April 2012:
"Advanced Florida Building Code, Enforcement & Education"
"Lead & Other Metals in Construction"
"Asbestos in the Construction Industry"
- 2011 RCI Building Envelope Technology Symposium, Charlotte, SC, October 2011:
"Common Installation Problems for Aluminum-Framed Curtain Walls"
"Preventing Failures in Hot-Applied Rubberized Asphalt Systems"
"A Raising Concern: Failures of Adhered Rigid Insulation"
"Nonconventional Approaches to Façade Restoration"
"Design Considerations for Open-Joint Rainscreen Cladding Systems"
- 2011 GCI Education Seminar, West Palm Beach, FL, September 2011
"NFRC Energy Ratings and Code Compliance," National Fenestration Rating Council
- 2010 GCI Education Seminar, West Palm Beach, FL, August 2010
Viracon, "Glass: Supporting Sustainable Design," Viracon,
"IFD – Understanding U-Factors"
- 2010 CBC Licensing CEU's, PACE Continuing Education, January – April 2010:
"Building for Energy Efficiency"
"Active Solar Energy Systems"
"The Building Envelope"
"Daylighting for Energy Efficiency"
"Energy Efficient Roofs"
"Wind Mitigation Methodologies"
"Energy Efficient Ventilation"

CONTINUING EDUCATION (continued)

- 2009 GCI Educational Seminar, West Palm Beach, FL, August 2009:
GE Sealants
Tremco ETA Assemblies
Fluke Thermal Imaging
Suspended Platform Safety Training
- 2008 GCI Education Seminar, West Palm Beach, FL, August 2008:
SBS Modified Bitumen Roofing Systems, Soprema, Inc.
Below Grade Waterproofing and Deck Coatings, Tremco, Inc.
Construction Workplace Safety Training, Paychex
- 2007 GCI Education Seminar, Palm Beach Gardens, FL, August 2007:
SBS Modified Bitumen Roofing Systems, and Terapro Waterproofing and Surfacing System, Siplast
- 2007 The Construction Specifications Institute (CSI) Education Symposium, The 51st Annual CSI Show and Convention, Building Envelope Session, Baltimore, MD, June 2007:
“Roof System Design”
“Preventative Moisture in Building Envelopes”
“Where Weather Meets the Wall”
“Avoiding Water Intrusion Problems in Field-Assembled Glazing Systems”
- 2006 Commercial Glass School & Glass Performance Pitfalls, Viracon, West Palm Beach, FL, August 2006
- 2005 GCI Education Seminar, West Palm Beach, FL, August 2005:
Dow Corning Sealants
- 2004 The Construction Specifications Institute (CSI) Education Symposium, The 48th Annual CSI Show and Convention, Construct America, Building Envelope Session, Chicago, IL, April 2004
- 2003 Lorman Education Services, “Advances in Environmental Mold Issues in Florida,” Sarasota, FL, June 2003
- 2000 Window and Door Manufacturers Association (WDMA) 2000 Technical Conference, “Determining Fastener Values in Wood and Wood Composites,” Schaumburg, IL.
- 1998 American Society of Civil Engineers/Institution of Civil Engineers-UK, International Workshop on Terrorism and Sensitive Facilities, Washington, D.C.

CONTINUING EDUCATION (continued)

- 1998 American Society for Testing and Materials (ASTM) Third Symposium on Water Problems in Building Exterior Walls: Evaluation, Prevention, and Repair. Atlanta, GA
- 1996 American Society of Civil Engineers Annual Convention & Exposition, Materials Engineering Conference.
- 1996 Building Officials & Code Administrators International Educational Conference: Structural Code Changes to the BOCA National Building Code/1996.
- 1996 American Society for Testing and Materials (ASTM): Symposium on Water Leakage Through Building Facades.
- 1996 American Society for Testing and Materials (ASTM): Symposium on the Science and Technology of Building Seals, Sealant, Glazing, and Waterproofing.
- 1995 American Society for Testing and Materials (ASTM): Symposium on EIFS: Materials, Properties, and Performance
- 1994 Associated General Contractors of America & MSI, 1994: Total Quality Management Construction.
- 1994 Associated General Contractors of America & MSI, 1994: Total Quality Construction Partnering.
- 1993 Building Officials & Code Administrators International Educational Conference. EIFS: Requirements for Durability.
- 1993 American Society of Civil Engineers Conference: Hurricanes of 1992.

PROFESSIONAL LICENSES

Florida State Certified Building Contractor (CBC 0-41858) (Inactive)

PROFESSIONAL ASSOCIATIONS

Associated General Contractors of America, Florida East Coast Chapter – Former Director
Committees:

- Associate Members Council - Chairman
- Glaziers Apprenticeship Committee – Founder & Chairman
- PBC School Board Advisory Committee - Member
- National Associate Members Council - Member

PROFESSIONAL ASSOCIATIONS (continued)

ASTM International – Former Member:

Technical Committees:

E-6, Performance of Building Construction

C-24, Building Seals and Sealants

Building Officials and Code Administrators International, Inc. (BOCA) – Former Member
Committees:

BOCA Ad Hoc Committee on Loads - Member, 1995, 1996

The Construction Specifications Institute (CSI) – Former Member

Fenestration & Glazing Industry Alliance (FGIA), F/K/A American Architectural
Manufacturers Association (AAMA) – Former Member

Committees/Task Groups:

AAMA 502/511 Field Test and Forensic Investigation Document Update Task Group

International Code Council (ICC) – Former Member

International Conference of Building Officials (ICBO) – Former Member

Intl. Institute of Building Enclosure Consultants (IIBEC), F/K/A RCI – Former Member

Southeast Glass Association, Inc. (SEGA) – Former Director, Vice Chairman

Standard Building Code Congress International, Inc. (SBCCI) – Former Member

Window and Door Manufacturers Association (WDMA) – Former Member

PUBLICATIONS

Smith, W.D. “Another Look at Stucco – The Concealed Problem” Pushing the Building Envelope, GCI, August 16, 2012

Smith, W.D. “Hurricane Windows: Fact or Fiction?” Pushing the Building Envelope, GCI, May 22, 2011

Smith, W.D., “Interior Air Seals: The Added Benefit,” Pushing the Building Envelope, GCI, February 16, 2011

Smith, W.D. “Weathering the Wall and the Window,” Pushing the Building Envelope, GCI, October 28, 2011

Smith, W.D. “Keeping Water at Bay,” The Construction Specifier, April 2010, p. 82

PUBLICATIONS (continued)

Smith, W.D., Matthews, C., “Glass and Glazing Advancements Increase Efficiency,” Architect Magazine, September 2008, pp. 8 – 10.

Smith, W.D., Hennings, I., “Hurricane Glazing Requirements of the Building Codes,” Glass Magazine, September 2002, pp. 39-40.

Smith, W.D. “Hurricane Glazing Building Codes Continue to Evolve,” Glass Magazine, September 2001, pp. 73-75.

Smith, W.D. “Water Leakage in Glazed Curtain Wall Systems: Cause, Effect, and Cure,” RCI Interface, Journal of the Roof Consultants Institute, November 2000, pp. 23-29.

Smith, W.D. “Update: Hurricane Glazing Building Code” Glass Magazine, August 2000, pp. 42-45.

Smith, W.D. “A Comparative Analysis of Laboratory and Field Water Testing Methods for Wood Windows” Window and Door Manufacturers Association, WDMA Technical Conference, April, 2000.

Beers, P.E., Smith, W.D., “Evaluation of Field Water Infiltration Test Results of Windows and Sliding Glass Door Assemblies Installed in New Construction Projects” Water Problems in Building Exterior Walls, ASTM STP 1352, Jon M. Boyd and Michael J. Scheffler, Eds., American Society for Testing and Materials, 1999, pp. 290-295.

Smith, W.D. “Decoding the Codes,” Glass Magazine, February 1999, pp. 26-31.

Smith, W.D. “Exposing the Myth of Water Leaks,” Window and Door Fabricator, National Glass Association publisher, August/September, 1998, pp. 20 – 26.

Smith, W.D., Beers, P.E., “Evaluation of Water Resistance Testing Problems for Installed Facade Systems,” Water Leakage Through Building Facades, ASTM STP 1314, R. J. Kudder and J. L Erdly, Eds., American Society for Testing and Materials, 1998, pp. 236-243.

Beers, P.E., Smith, W.D., “Repair Methods for Common Water Leaks at Operable Windows and Sliding Glass Doors” Water Leakage Through Building Facades, ASTM STP 1314, R. J. Kudder and J. L Erdly, Eds., American Society for Testing and Materials, 1998, pp. 105-114.

Beers, P.E., Smith, W.D., “Quality Control Procedure to Prevent Water Leakage Through Windows,” Water Leakage Through Building Facades, ASTM STP 1314, R. J. Kudder and J. L Erdly, Eds., American Society for Testing and Materials, 1998, pp. 232-234.

Smith, W.D., “Exterior Insulation Finish Systems - Understanding Construction Defect Claims,” Construction Law Seminar CourseBook, Defense Research Institute, 1997.

PUBLICATIONS (continued)

Smith, W.D., "Missile Impact Standards are Coming Your Way" Glass Digest Magazine, March 15, 1994, pp. 43-45

Smith, W.D., "Missile Impact Standards are Coming Your Way" The Construction Specifier (reprint), November 1994, pp 36-38

Smith, W.D., "Water Management - Designing and Installing Storefronts to Prevent Water Leaks" Glass Digest Magazine, July 15, 1993, pp. 46-49

MANUALS

Minor, J.E., Beers, P.B., Smith, W.D., "Glazing systems for Effective Hurricane Protection," published by Monsanto Company, St. Louis, MO, 1994.

PRESENTATIONS

"The Building Envelope, Glazing Systems & Water Testing" EFCO, Monnet, MO, April 2019.

"Water Leakage, Investigation and Repair," American Architectural Manufacturer's Association, Southeastern Conference, Hilton Head, SC, March 2008.

"Water Leakage, Prevention and Cure," American Architectural Manufacturers Association Annual Fall Meeting, October 2005.

"Water Leakage, Prevention and Cure," Lorman Education Services, Solving Water Intrusion and Mold Problems in Florida, Sarasota, FL, June 2003 and Daytona Beach, FL, May 2004.

"Investigation and Repair of Water Leaks" Lorman Education Services, Solving Water Intrusion and Mold Problems in Florida, Fort Lauderdale, FL May 2002, Tampa, FL September 2002, Sarasota, FL, November 2002.

"Water Infiltration Testing: A Comparative Analysis of Laboratory and Field Procedures," American Architectural Manufacturers Association, Southeastern Fall Meeting, Fort Lauderdale, FL, August 2000.

"Water Infiltration Testing for Wood Windows and Doors: Laboratory vs. Field Methods," Window and Door Manufacturers Association, WDMA Technical Conference, Schaumburg, IL, April 2000.

"Façade Waterproofing," Marriott Regional Engineering Conference, Tampa, FL, April 2000.

PRESENTATIONS (continued)

“Retrofit Glazing for Sensitive Facilities,” American Society of Civil Engineers/Institution of Civil Engineers-UK, International Workshop on Terrorism and Sensitive Facilities, Washington, D.C. November 1998.

“Façade Waterproofing,” Marriott Regional Engineering Conference, San Diego, CA, November 1998

“Construction Defect Primer: - Expanded Polystyrene Paneling Systems and Problems,” Construction Law Seminar, Defense Research Institute, Inc., San Diego, CA, March 1997.

“Window Glass Performance in Windstorms - Design Considerations to Limit Structural Failure,” American Society of Civil Engineers Annual Convention, Session WA-29,

Committee on Education and Dissemination of Failure Information, ASCE Technical Council on Forensic Engineering, 1996.

“Glazing Designs for Windborne Debris Resistance,” Building Officials and Code Administrators, International Spring Meeting, Lexington, KY; 1996.

“Evaluation of Water Resistance Testing Problems for Installed Facade Systems,” American Society for Testing and Materials Symposium on Water Leakage Through Building Facades, Orlando, FL, 1996.

General Services Administration, Security Criteria Standards Development - Workshop Two, Washington, DC, 1996

“Quality Control Procedure to Prevent Water Leakage Through Windows,” American Society for Testing and Materials Symposium on Water Leakage Through Building Facades, Orlando, FL, 1996.

“Design Considerations of EIFS Construction in High Wind Locals,” Council of the Insurance Institute for Property Loss Reduction (IIPLR), 1995.

“Missile Impact Demonstration,” Standard Building Code Conference International, Annual Fall Code Hearing Conference, Nashville, TN; 1994.