



DANIEL BUILDING INVESTIGATIONS, INC.

James I. Daniel, P.E., REWC, CIT

President and Sr. Principal Engineer
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Professional Summary

Mr. Daniel is a nationally recognized building enclosure expert with 40 years of experience in the investigation, testing, and evaluation of non-performing construction systems including exterior building facades; roofing systems; wall systems; flooring systems; foundations; windows and building fenestration; water, vapor, and air barrier systems; building insulation (including spray polyurethane foam (SPF) insulation); gutters and downspouts; pipe freeze incidents; and interior gypsum board and plaster systems (including Chinese Drywall). Exterior facade expertise includes, among others, brick, concrete and limestone masonry; exterior insulation and finish systems (EIFS); direct-applied exterior finish systems (DEFS); one-coat and three-coat exterior portland cement plaster (stucco); wood, metal, fiber-cement board, and vinyl sidings; thin-brick, tile, adhered manufactured stone masonry veneer, and exposed aggregate finish systems; glass fiber reinforced concrete (GFRC); joint sealants; flashing; and waterproof coating systems. Roofing expertise involves steep and low-sloped roofs including asphalt, wood, slate, and tile shingles; single-ply membrane roofing; modified-bitumen roofing (MBR); built-up roofing (BUR); spray polyurethane foam (SPF) roofing; metal roofs; and associated expansion joints, scuppers, copings and flashing. He is a Licensed Professional Engineer in the 24 states; a Registered Exterior Wall Consultant (REWC) through The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI); and a Certified Infrared Thermographer (CIT).

Expertise

- Building Science & Construction Technology
- Air and Water Infiltration Investigations of Building Enclosures (Roofs, Walls, Windows)
- Hygrothermal Modeling to Evaluate Condensation, Moisture and Water Vapor Transport; Air Infiltration Investigations
- Mold Cause and Origin Investigations
- Masonry Cladding Investigations
- Traditional Stucco (Portland Cement Plaster) Investigations
- Exterior Insulation and Finish System (EIFS) investigations
- Glass Fiber Reinforced Concrete (GFRC) Cladding Investigations
- Roofing Investigations
- Gutters & Downspouts
- Attic Ventilation
- Building Insulation, including spray polyurethane foam (SPF), fiberglass, cellulose
- Pipe Freeze Incidents
- Interior Gypsum Board and Plaster (including Chinese Drywall)
- Gypsum Concrete Floor Underlayment
- Interior and Exterior Cement Board Systems
- Interior Tile Cracking Investigations
- Window Performance Investigations
- Groundwater Management Systems
- Instrumentation, Testing and Evaluation of Construction Systems including Infrared Thermography
- Dispute Resolution Consulting and Expert Witness Testimony



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Education

| <u>Year</u> | <u>College or University</u> | <u>Degree</u> |
|-------------|---|---|
| 1981-1983 | Northwestern University | Post-Graduate Work, Structural Engineering (Non-Degree Course Work) |
| 1979 | University of Texas at Austin | M.S. Civil Engineering |
| 1976 | California Polytechnic State University | B.S. Civil/Transportation Engineering (with honors) |

| <u>Year</u> | <u>Continuing Education</u> |
|-------------|---|
| 1995 | Exterior Insulation Finish Systems (EIFS): Materials, Properties, and Performance, Sponsored by ASTM Committee E06 on Performance of Buildings, Denver, CO. |
| 1998 | Water Problems in Building Exterior Walls: Evaluation, Prevention, and Repair and Repair, Sponsored by ASTM Committee E06 on Performance of Buildings, Atlanta, GA. |
| 2000 | Scaffold User Course, The Chicagoland Construction Safety Council. |
| 2001 | Performance of Exterior Building Walls, Sponsored by ASTM Committee E06 on Performance of Buildings, Phoenix, AZ. |
| 2002 | Building Facade Maintenance, Repair, and Inspection, Sponsored by ASTM Committee E06 on Performance of Buildings, Norfolk, VA. |
| 2003 | Suspended and Supported Scaffold Hazard Awareness Class, The Chicagoland Construction Safety Council. |
| 2003 | Water in Buildings, University of Illinois, Champaign-Urbana. |
| 2005 | WUFI Pro-ONRL 3.3 Moisture & Vapor Transmission Modeling Course, Building Technology Center, Oak Ridge National Laboratory. |
| 2006 | Contract Changes and Change Orders, Lorman Educational Services, Eau Claire, WI. |
| 2007 | Roofing Technology and Science I and II, RCI, Inc., San Francisco, CA. |
| 2007 | Suspended and Supported Scaffold Hazard Awareness Class, The Chicagoland Construction Safety Council. |
| 2007 | Buildings X Workshop and Conference sponsored by BETEC, ASHRAE and CIBSE and organized by Oak Ridge National Laboratory, Clearwater Beach, FL. |
| 2007 | Up Against the Wall: An Examination of Building Envelope Interface, Sponsored by ASTM Committee E06 on Performance of Buildings, Tampa, FL. |
| 2008 | ABAA Workshop, Air Barrier Association of America, Clearwater, FL. |



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- 2009 Water Entry prevention and Moisture Control in Buildings - Roofing Systems, Exterior walls and Foundations, Sponsored by The University of Wisconsin, Madison, WI.
- 2009 Design Professionals' Exposure for Design Errors and Omissions, Lorman Educational Services, Eau Claire, WI.
- 2010 25th International Conference on Building Enclosures, sponsored by The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI), Orlando, FL.
- Better Design and Building Practices for Reducing Water and Moisture Problems in Wood-Framed Commercial and Multifamily Buildings.
 - Buildings That Leak Only on Sunny Days.
 - Leaks, Drips and Damage: The Investigation and Repair of Building Envelope Problems at a Newly Built Community Center.
 - The Modeled and Measured Performance of Thick Continuous Insulation Under Heavy Cladding Systems.
- 2010 The Three R's: Repairs, Renovations, and Retrofits, sponsored by Building Science Corporation, Chicago, IL.
- 2011 RCI 26th International Convention, sponsored by The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI), Reno, NV.
- Mastering the Design Issues of Installing (Solar) Photovoltaics on Existing Roofs.
 - Dynamic Water Vapor Permeance of Building Materials.
 - The Correlation Between Wind Resistance and the Physical Properties of Fiberglass Shingles.
- 2011 Sustainability of Lightweight Insulating Concrete Roof Systems, Sponsored by the Chicago Area Chapter of RCI, Inc., Oak Brook, IL.
- 2011 Professional Roof Consulting, sponsored by The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI), Oak Brook, IL.
- 2012 RCI 27th International Convention, sponsored by The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI), Dallas, TX.
- Lessons Learned from Restoration of Architectural Terra Cotta.
 - Repair Strategies for Metal Roofs.
 - Field Monitoring the Wind Performance of Commercial Roofs.



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- 2012 ABAA 1st National Conference, sponsored by The Air Barrier Association of America (ABAA), Chicago, IL.
- Design Considerations for Air Barriers
 - Incorporating Air Barriers into Specifications
 - Masonry Veneer Anchors and Air Barriers
 - Whole Building Air Tightness Testing
 - Avoiding Pitfalls with Air Barriers
 - High Performance Building Envelope Through Air Sealing
 - Key Junctures and Interfaces for Air Barriers
 - High Performance Building Envelope Through Air Sealing
 - Characterization of Air Leakage in Residential Construction
- 2012 Building Science Experts' Session "Spray Polyurethane Foam (SPF) Insulation," sponsored by Building Science Corporation (BSC), Somerville, MA. Session covered History of SPF; SPF Chemistry, Production, and Installation; Open-Cell and Closed Cell SPF; SPF Blowing Agents; SPF Codes and Standards; SPF Roofs: Problems and Solutions; and SPF Walls: Problems and Solutions.
- 2013 The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI), March 2013, Orlando, FL.
- Do You Really Know When to Use a Vapor Retarder in a Roof System?
 - Where Does the Heat Go?
 - How to Survey a Slate Roof
 - Roof Ventilation for Cathedrals: How Much is Sufficient?
 - Condensation Risk of White Roofs in Cold-Climate Zones
- 2013 ASTM Symposium on Building Walls Subject to Water Intrusion and Accumulation: Lessons from the Past and Recommendations for the Future, April 14-15, 2013, Indianapolis, IN.
- 2013 Walls & Ceilings Architect Session "Continuous Insulation: Exterior Assembly Options," September 17, 2013.
- 2013 BSC Experts' Session, Westford, Massachusetts, December 11-12, 2013.
- Multi-Family Podium Building Envelope Design, Construction, Commissioning
 - Building Ventilation



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- 2014 Eighteenth Annual Westford Symposium on Building Science, Westford, Massachusetts, August 4-6, 2014.
 - Stone Cladding
 - Architectural Detailing
 - Heat Pumps
 - Indoor Air Pollution and the Design of Buildings
 - Osmosis and the Blistering of Liquid Applied Membranes

- 2015 National Institute of Building Sciences (NIBS) Webinar Session, "Ice Dams", May 29, 2015.

- 2015 BASF Webinar Session, "Continuous Insulation (CI) Wall Systems," May 8, 2015.

- 2015 Infrared Training Center, "Level 1 Infrared Thermography Certification Course," Conforms to the requirements of the American Society of Nondestructive Testing, Chicago, IL, August 17-20, 2015.

- 2016 American Architectural Manufacturers Association (AAMA) Western Region, "California's Title 24 for 2017 - Industry Standards for Robust Installation of Challenging Window/Wall Systems," a Webinar by Jim Katsaros, DuPont Building Innovations, August 23, 2016.

- 2016 Mason Contractors Association of America (MCAA), "Designing and Applying Adhered Masonry Veneer" Webinar, October 21, 2016.

- 2016 Chicago Area Chapter Seminar, RCI, Inc., Oak Brook, Illinois, November 4, 2016.
 - Changes in the Energy Codes
 - Fundamentals of Traffic Bearing Membranes

- 2017 Chicago Area Chapter Seminar, RCI, Inc., Oak Brook, Illinois, January 18, 2017.
 - Roof Warranties
 - Achieving a High-Performance Air Barrier System
 - Technical Issues in Contemporary Roofing Systems
 - WUFI Passive Hygrothermal Modeling

- 2017 Infrared Training Center (ITC), "The Basics of Building Moisture Inspections" Webinar, March 24, 2017.

- 2017 BSC Experts' Session, Westford, Massachusetts, November 6-7, 2017.
 - Exterior Stucco Walls
 - Roofing



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- 2018 USG Building Envelope Solutions Seminar, Chicago, Illinois, March 1, 2018.
- Structural Cementitious Panels
 - Air Barrier Testing
 - Build a Better Roof System with Roof Cover Boards
 - ASCE 7, Uplift Ratings and Roof Warranties
- 2018 RCI Convention and Trade Show, Houston, Texas, March 24-26, 2018.
- The Air Barrier Circus
 - Performance Influence: Roofing Assemblies Interface with Decks
 - Avoiding Condensation in Low-Slope Roofing Assemblies
 - Assessing Concrete Moisture in Unconditioned Environments
 - Combination of Different Insulation Technologies to Enhance Performance of Exterior Wall Assemblies
 - Roof Drainage Design, Roof Collapses, and Codes
 - Vented Cladding Assemblies Prevent Reverse Vapor Drive and Allow Vapor-Permeable Water-Resistive and Air Barrier (WRB/AB) Membranes to Enhance Wall Assembly Drying
 - Diagnosing Window Condensation Using Absolute Humidity
- 2018 Travelers Professional Liability Program for Design Professionals, Webinar, April 11, 2018
- Relying on Manufacturer Supplied Information in Design
- 2018 Infrared Training Center, Webinar, April 27, 2018
- Low-Slope Roof Inspections and sUAS Using Infrared Thermography
- 2018 Infrared Training Center, Webinar, September 6, 2018
- Top 5 Uses of Infrared Thermography in Building Systems
- 2018 V2T Technology, Webinar, September 27, 2018
- V2T Roof System



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Professional Experience

Organization: Daniel Building Investigations, Inc.

2014 - Present **Title:** President and Sr. Principal Engineer
Summary: Nationally recognized building enclosure expert with 40 years of experience in the investigation, testing, evaluation of non-performing construction systems. Areas of expertise cover construction defects (roofs, walls and windows); building enclosure water leakage investigations; building science; mold cause and origin investigations; flooding evaluations; and subsurface drain-tile and foundation evaluations. Mr. Daniel has expertise in most all building components including, low and steep sloped roofs; exterior insulation & finish systems (EIFS); exterior portland cement plaster (one and three-coat stucco systems); masonry; adhered stone veneer; glass fiber reinforced concrete (GFRC) facades; siding systems; gutters and downspouts; building fenestration; interior drywall & plaster systems (including Chinese Drywall); among others.

Organization: Building & Environmental Consultants (BEC), a division of ITC Experts, Inc.

2008 - 2014 **Title:** Principal and Executive Vice President
Summary: Provided oversight and management of a group of consultants and collaborators that specialize in forensic investigation and engineering to solve problems for the construction industry. Areas of expertise cover building enclosure leakage investigations, mold cause and origin investigations, hygrothermal modeling, flooding evaluations, sub-surface drain-tile and foundation evaluations, and wind and hail damage assessment. BEC had expertise in most all building components including, low and steep sloped roofs; masonry; exterior insulation & finish systems (EIFS); exterior portland cement plaster (traditional stucco); glass fiber reinforced concrete (GFRC) facades; siding systems; windows; and curtain walls; among others.

Organization: Packer Engineering, Inc., Naperville, IL

Titles:
2003 - 2008 Vice President
2002 - 2003 Sr. Director, Construction Technology Group
1999 - 2002 Director, Construction Technology Group
1997 - 1999 Senior Consultant, Construction Technology Group

Summary: Provided oversight and management of Construction Technology Group, a group of consultants that specialized in forensic engineering and problem solving for construction industry. Areas of expertise covered building enclosure investigations, mold cause and origin investigations, roofing, masonry, EIFS, stucco, windows, curtain walls, and structures, among others.



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Organization: **Raths, Raths & Johnson, Inc.**

1996 - 1997 Title: Consultant

Summary: Specialized in investigation and evaluation of non-performing construction systems including exterior building facades, roofing systems, wall systems, foundations, windows and building fenestration.

Organization: **USG Corporation, Research & Development Center**

Titles:

1990-1996 Exterior Systems Manager, Architectural Systems Laboratory
1989-1990 Program Manager, Construction Systems Laboratory

Summary: Managed Exterior Systems Development, Architectural Systems Laboratory for USG Corporation, one of the country's largest manufacturers of building construction products. Areas of responsibility included development and technical support of exterior insulation and finish systems (EIFS), direct-applied exterior finish systems (DEFS), one-coat exterior stucco finish systems, and fiber reinforced cement board systems.

Managed Construction Systems Laboratory for USG Corporation. Areas of responsibility included development and technical support of exterior wall systems, fiber reinforced cement board systems, interior drywall partition systems, drywall finishing systems, removable office partitions, acoustical ceilings, and raised access floors.

Organization: **Construction Technology Laboratories, Inc. (CTL), a subsidiary of the Portland Cement Association (PCA)**

Titles:

1986-1989 Senior Engineer
1982-1986 Engineer
1978-1982 Associate Engineer

Summary: Conducted laboratory research programs sponsored by the cement industry through Portland Cement Association. Work involved seismic evaluation of reinforced concrete beam-column connections and wall frames; testing and evaluation of glass fiber reinforced concrete (GFRC) curtain wall panels; testing and evaluation of exterior finish systems; evaluation and testing of masonry wall systems; evaluation of prestressed concrete pipes; testing and evaluation of pavement slabs; construction, testing and evaluation of MX-missile shelters for the US government, among others. Managed in-plant and on-site quality assurance program for the manufacture and installation of GFRC curtain walls on two of the world's largest GFRC-clad buildings; a 42-story and a 48-story Marriott Hotel.



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Professional Affiliations, Achievements & Awards

Professional Affiliations:

• Registrations/Certifications

- Licensed Professional Engineer in the States of Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Louisiana, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, Nevada, New Mexico, Oregon, South Carolina, Texas, Utah, Virginia, West Virginia, Washington and Wisconsin.
- National Council of Examiners for Engineering and Surveying (NCEES) Certification
- NCEES Model Law Engineer (MLE) Designation
- Registered Exterior Wall Consultant (REWC), The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI)
- American Society of Nondestructive Testing (ASNT) Level 1 Certified Infrared Thermographer (CIT)

• International Code Council (ICC), Member

• American Society for Testing and Materials (ASTM)

- Member, Committee C09, Concrete and Mineral Aggregates
 - Member, Subcommittee C09.42, Fiber Reinforced Concrete
- Member, Committee C11, Gypsum and Related Building Materials and Systems
 - Member, C11.03, Application of Gypsum and Other Products in Assemblies (Stucco)
 - Member, C926 and C1063 Stucco Work Group
 - Member, C11.05, Exterior Insulating and Finish Systems (EIFS) and Related Products
- Member, Committee C12, Mortars for Unit Masonry
 - Member, Subcommittee C 12.03, Specifications for Mortars
- Member, Committee C15, Manufactured Masonry Units
 - Member, Subcommittee C15.02, Brick and Structural Clay Tile
 - Member, Subcommittee C15.03, Concrete Masonry Units
 - Member Task Group C15.03.05, Adhered Manufactured Stone Masonry Veneer
 - Member, Subcommittee C15.04, Research
 - Member, Subcommittee C15.05, Masonry Assemblies
- Member and Past Assistant Secretary, Committee C 27, Precast Concrete
 - Member and Past Chairman, Subcommittee C 27.40, Glass Fiber Reinforced Concrete (GFRC)



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- Member, Committee E06, Building Construction
 - Member, Subcommittee E06.51, Performance of Windows, Doors, Skylights, and Curtain Walls
 - Member, Task Group E6.51.02, Water Resistance of Windows
 - Member, Subcommittee E06.55, Exterior Building Wall Systems
 - Member, Task Group E6.55.15, Water Penetration
 - Member, Subcommittee E06.58, Exterior Insulation & Finish Systems (EIFS)
 - Past Member, Task Group E06.58.01, Design Guide (discontinued)
 - Past Member (Past Vice-Chairman), Task Group E06.58.03, Structural Issues (discontinued)
 - Past Chairman, Task Group E06.58.04, Water Penetration (discontinued)
 - Past Member, Task Group E06.58.10, Detailing (discontinued)
- **The Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI)**
 - Member, Technical Advisory Committee (TAC)
 - Member, Task Group for Development of the "Stucco and Exterior Finish Cladding Systems" Course
 - Member, Registered Exterior Wall Consultant (REWC) Committee
 - Past Member, Advocacy Committee
- **American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc. (ASHRAE), Member**
- **Building Enclosure Technology and Environment Council (BETEC), Past Member**
- **American Architectural Manufacturers Association (AAMA), Member**
- **National Fire Protection Association (NFPA), Member**
- **National Fire Sprinkler Association (NFSA), Member**
- **American Concrete Institute (ACI)**
 - Consulting Member, Committee 544, Fiber Reinforced Concrete, Past Chairman (1990 to 1996), Past Secretary (1984-1990)
 - Past Chairman (1990 to 1996), Subcommittee 544 Ex, Executive Subcommittee on Fiber Reinforced Concrete
 - Past Chairman (1984-1990), Subcommittee 544 B, Glass Fiber Reinforced Concrete
 - Past Chairman (1992-1996), Subcommittee 544 E, State-of-the-Art Report on Fiber Reinforced Concrete
 - Member, Subcommittee 544-OC, FRC - Testing
 - Member, Subcommittee 544-OF, FRC - Durability



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- Member, Committee 549, Thin Reinforced Cementitious Products and Ferrocement
 - Member, Subcommittee 549-0A, Glass Fiber Reinforced Concrete - Spray Up
- Past Member (1986 to 1989), Committee 366, Precast Concrete Pipes (discontinued)
- Past Member (1986 to 1988), Raymond C. Reese Structural Research Award Committee
- **The Masonry Society (TMS)**
 - Past Member, Existing Masonry Committee
- **Precast/Prestressed Concrete Institute (PCI)**
 - Past Member, Committee on Glass Fiber Reinforced Concrete Facade Panels
- **International Fibrous Concrete Institute (IFCI), President and Board of Directors (1988 to 1993)**

Achievements & Awards:

- **Tau Beta Pi, High Scholarship Recognition, Engineering Honor Society, California Polytechnic State University, 1975**
- **Most Outstanding Student of the Year, Awarded by the School of Engineering, California Polytechnic State University, 1976**
- **Chi Epsilon, National Honorary Civil Engineering Society, University of Texas at Austin, 1977**

Books, Publications, and Presentations

Publications:

Thirty-three publications and industry standards related to evaluation, testing and design of structures and construction materials. These include fiber reinforced concrete, exterior cladding systems and materials, response of concrete structural walls and columns to earthquake loadings, time-dependent deformations in long-span concrete bridges, and design of concrete pavements.

1. Major contributor to ASTM C 926, Standard Specification for Application of Portland Cement-Based Plaster, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
2. Major contributor to ASTM C 1063, Standard Specification for Installation of Lath and Furring to Receive Interior and Exterior Portland-Cement Plaster, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
3. Major contributor to ASTM C 1397, Standard Practice for Application of Class PB Exterior Insulation and Finish Systems (EIFS) and EIFS with Drainage, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
4. Major contributor to ASTM E 2273, Standard Test Method for Determining the Drainage Efficiency of Exterior Insulation and Finish Systems (EIFS) Clad Wall Assemblies, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
5. Major contributor to ASTM E 2359, Standard Test Method for Field Pull Testing of an In-Place Exterior Insulation and Finish System Clad Wall Assembly, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
6. Major contributor to ASTM E 2511, Standard Guide for Detailing of EIFS-Clad Wall Assemblies, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
7. Major contributor to ASTM E 2568, Standard Specification for PB Exterior Insulation and Finish Systems, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
8. Primary Contributing Author of ASTM PS 72-99, Standard Test Method for Evaluating the Tensile-Adhesion Performance of an Exterior Insulation and Finish System (EIFS), American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
9. Major Contributor and coordinating editor, ACI 544.1R-96, Committee Report on Fiber Reinforced Concrete, American Concrete Institute, Farmington Hills, Michigan, 1997, 82 pp.
10. Cheyrezy, M., Daniel, J. I., Krenchel, H., Mihashi, H., Pera, J., Rossi, P., and Xi, Y., "Specific Production and Manufacturing Issues," Proceedings of the Second International RILEM Workshop, High Performance Fiber Reinforced Cement Composites 2 (HPFRCC 2), Ann Arbor, Michigan, June 11-14, 1995, E&FN SPON, ISBN 0 419 21180 2.
11. Major contributor to ASTM C 948, Standard Test Method for Dry and Wet Bulk Density, Water Absorption, and Apparent Porosity of Thin Sections of Glass-Fiber Reinforced Concrete, American Society for Testing and Materials, W. Conshohocken, Pennsylvania.

12. Major contributor to ASTM C 947, Standard Test Method for Flexural Properties of Thin-Section Glass-Fiber-Reinforced Concrete (Using Simple Beam with Third-Point Loading), American Society for Testing and Materials, W. Conshohocken, Pennsylvania.
13. Daniel, J. I., Roller, J. J., and Weinmann, T. L., "Quality Control and Quality Assurance for Manufacture and Installation of GFRC Facades," Proceedings of the 7th Biennial Congress of the GRCA, Maastricht, Netherlands, September 25-28, 1989, 38 pp.
14. Hanson, N. W., Roller, J. J., Daniel, J. I., and Weinmann, T. L., "Manufacture and Installation of GFRC Facades," Proceedings of the International Symposium on Fiber Reinforced Concrete and Ferrocement Products, ACI Special Publication SP-124, Atlanta, Georgia, February 1989, 33 pp.
15. Vinson, K. D. and Daniel, J. I., "Advances in the Development of Specialty Cellulose Fibers Specifically Designed for the Reinforcement of Cement Matrices," Proceedings of the International Symposium on Fiber Reinforced Concrete and Ferrocement Products, ACI Special Publication SP-124, Atlanta, Georgia, February 1989, 22 pp.
16. Shah, S. P., Ludirdja, D., Daniel, J. I., and Mobasher, B., "Toughness - Durability of Glass Fiber Reinforced Concrete Systems," ACI Materials Journal, Vol. 85, No. 5, September/October 1988, pp. 352-360.
17. Schultz, D. M., Daniel, J. I., and Oesterle, R. G., "Design Considerations for GFRC Facade Panels Incorporating the Steel Stud / Flex-Anchor Connection," Proceedings of the 6th Biennial Congress of the GRCA, Edinburgh, Scotland, October 20-23, 1987, pp. 241-248.
18. Daniel, J. I., and Shah, S. P., "Thin Precast Fiber Reinforced Cement Panels," Materials and Member Behavior, Proceedings of the 1987 ASCE Structures Congress, Orlando, Florida, August 17-20, 1987, pp. 374-388.
19. Shah, S. P., Daniel, J. I., and Ludirdja, D., "Toughness of Glass Fiber Reinforced Concrete Panels Subjected to Accelerated Aging," PCI Journal, Vol. 32, No. 5, September-October 1987, pp. 82-99.
20. Daniel, J. I. and Anderson, E. D., "Acrylic Fiber Reinforced Cement Composites," Proceedings of the Third International Symposium on Development in Fibre Reinforced Cement and Concrete, Sheffield, England, July 13-17, 1986.
21. Daniel, J. I. and Schultz, D. M., "Long-Term Strength Durability of Glass Fiber Reinforced Concrete," Proceedings of the Third International Symposium on the Developments in Fibre Reinforced Concrete, Sheffield, England, July 13-17, 1986.
22. Daniel, J. I., Shiu, K. N., and Corley, W. G., "Openings in Earthquake-Resistant Structural Walls," ASCE Journal of Structural Engineering, Vol. 112, No. 7, July 1986, pp. 1660-1676.
23. Rabbat, B. G., Daniel, J. I., Weinmann, T. L., and Hanson, N. W., "Seismic Behavior of Lightweight and Normal Weight Concrete Columns," ACI Journal, No. 1, Proceedings Vol. 83, January-February 1986, pp. 69-79.
24. Daniel, J. I. and Schultz, D. M., "Durability of Glass Fiber Reinforced Concrete Systems," Proceedings of the Durability of Glass Fiber Reinforced Concrete Symposium, Chicago, Illinois, November 12-15, 1985, pp. 174-198.

25. Daniel, J. I., "Effect of Specimen Moisture Condition on the Measurement of the Flexural Proportional Elastic Limit for Thin-Section GFRC," Proceedings of the 5th Biennial Congress of the GRCA, Darmstadt, West Germany, October 16-18, 1985.
26. Daniel, J. I., "Effect of Specimen Moisture Condition on the Measurement of the Flexural Proportional Elastic Limit for Thin-Section GFRC," PCA Research and Development Serial No. 1779, Portland Cement Association, Skokie, Illinois, April 1985, 20 pp.
27. Shiu, K. N., Daniel, J. I., and Russell, H. G., "Time-Dependent Moment Redistribution in Concrete Post-Tensioned Box-Girder Bridges," Proceedings of the International Symposium on Nonlinearity and Continuity in Prestressed Concrete, Phase 2, Vol. 3, University of Waterloo, Waterloo, Ontario, Canada, July 1983, pp. 67-88.
28. Daniel, J. I. and Schultz, D. M., "Testing of Reduced-Scale Concrete MX-Shelters - Experimental Program," Physical Modeling Techniques for Missile and other Protective Structures, ASCE, New York, June 29, 1983. available through the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, NTIS Ascension No. ADA 130314, 1983.
29. Shiu, K. N., Daniel, J. I., and Russell, H. G., "Time-Dependent Behavior of Segmental Cantilever Concrete Bridges," Report to State of Illinois, Department of Transportation, Submitted by Construction Technology Laboratories, a Division of the Portland Cement Association, Skokie, Illinois, March 1983, 101 pp. and Appendices. Also available through National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, NTIS Ascension No. PB 84-325845, 1982.
30. Shiu, K. N., Daniel, J. I., Aristizabal-Ochoa, J. D., Fiorato, A. E., and Corley, W. G., "Earthquake Resistant Structural Walls - Tests of Walls with and Without Openings," Report to National Science Foundation, Washington, D. C. Also available through National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, NTIS Ascension No. PB 82-131947, 1982.
31. Rabbat, B. G., Daniel, J. I., Weinmann, T. L., and Hanson, N. W., "Seismic Behavior of Lightweight Concrete Columns," Report to National Science Foundation, Washington, D. C. Submitted by Construction Technology Laboratories, a Division of the Portland Cement Association, Skokie, Illinois, September 1982, 260 pp. Also available through National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, NTIS Ascension No. PB 83-204891, 1982.
32. Daniel, J. I., and Burnside, B., "Design Information for Concrete Arch System," Concrete Construction, Vol. 27, No. 7, July 1982, pp. 581-585.
33. Daniel, J. I., Hudson, W. R., and McCullough, B. F., "A Study of CRCP Performance: New Construction vs. Overlay," Research Report 177-12, Center for Highway Research, The University of Texas at Austin, September 1977.



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Symposium Volumes, Compilations and Books:

Two symposium volumes, two book compilations and one book on Fiber Reinforced Concrete.

1. Daniel, J. I., and Shah, S. P. (edit.), Fiber Reinforced Concrete - Developments and Innovations, Special Publication SP-142, American Concrete Institute, Farmington Hills, Michigan, 1994, 317 pp.
2. Daniel, J. I. (edit.), Steel Fiber Reinforced Concrete, Compilation 27, American Concrete Institute, Farmington Hills, Michigan, 1994, 84 pp.
3. Daniel, J. I. (edit.), Synthetic and Other Non-Metallic Fiber Reinforcement of Concrete, Compilation 28, American Concrete Institute, Farmington Hills, Michigan, 1994, 84 pp.
4. Daniel, J. I., Roller, J. J., Litvin, A., and Azizinamini, A, Fiber Reinforced Concrete, SP039.01T, Portland Cement Association, Skokie, Illinois, 1991, 48 pp.
5. Daniel, J. I., and Shah, S. P. (edit.), Thin-Section Fiber Reinforced Concrete and Ferrocement, Special Publication SP-124, American Concrete Institute, Farmington Hills, Michigan, 1990, 448 pp.

Presentations, Workshops, and Educational Courses by Special Invitation:

1. "Stucco Shrinkage Cracking," C11.03 Task Group Meeting on ASTM Standard C 1063 - Lathing and Furring to Receive Portland Cement Based Plaster, Washington DC, November 6, 2018.
2. "Stucco and Exterior Finish Cladding Systems," 33rd International Convention & Trade Show, Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI, Inc.), Houston, TX, One-Day Course Presented on March 23, 2018.
3. "Stucco, EIFS, and Adhered Stone Veneer Exterior Cladding Systems," 2016 Suburban Building Officials Conference (SBOC), Oak Brook, IL, Presented on April 21, 2016.
4. "Stucco, EIFS, and Adhered Stone Veneer Exterior Cladding Systems," Illinois Chapter of the National Association of Home Inspectors, Lombard, IL, Presented on March 16, 2016.
5. "Stucco and Exterior Finish Cladding Systems," Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI, Inc.), Rosemont, Illinois, Two-day course presented April 29-30, 2014.
6. "Stucco and Exterior Finish Cladding Systems," Institute of Roofing, Waterproofing, & Building Envelope Professionals (RCI, Inc.), Orlando, Florida, Two-Day Course Presented September 13-14, 2012.
7. "Masonry," ABA Sticks & Bricks, American Bar Association, Chicago, Illinois, November 8, 2007.
8. "Damages - The Expert's Prospective," Illinois Institute of Continuing Legal Education, Chicago, Illinois, July 27, 2007.
9. "Working with Experts - An Expert's Prospective," Society of Illinois Construction Attorneys, Chicago, Illinois, December 12, 2006.
10. "EIFS," Westfield Group, Westfield, OH, November 7 and November 10, 2006.
11. "The Building Envelope," Lecturer, Northwestern University, Class: CIV ENG 395-0 Engineering Forensics, Evanston, Illinois, May 4, 2006.



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12. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Virginia, Arlington, Virginia, September 28, 2004.
13. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Kane County Bar Association, Geneva, Illinois, September 21, 2004.
14. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Advances in Environmental Mold Issues in Illinois, Oak Brook, Illinois, October 30, 2003.
15. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Indiana, South Bend, Indiana, October 9, 2003.
16. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Advances in Environmental Mold Issues in Virginia, Arlington, Virginia, September 25, 2003.
17. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in New York, Rochester, New York, September 5, 2003.
18. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Virginia, Arlington, Virginia, June 25, 2003.
19. "Mold Remediation," Presenter, The Federation of Defense and Corporate Counsel and National Association of Mutual Insurance Companies, Mold Summit, St. Louis, Missouri, May 15, 2003.
20. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Kentucky, Lexington, KY, April 29, 2003.
21. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Ohio, Columbus, Ohio, April 1, 2003.
22. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Illinois, Rockford, Illinois, December 3, 2002.
23. "Moisture Sources (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Indiana, South Bend, IN, October 31, 2002.
24. "Moisture Sources (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Maryland, Rockville, MD, October 30, 2002.



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25. "Moisture Sources in Buildings (The Cause and Origin of Mold Growth)," Presenter, Frost Brown Todd Seminar, The Truth about Defending Mold Claims, Straight Talk and Practical Advice, Cincinnati, Ohio, October 9, 2002.
26. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems In New York, Rochester, New York, September 20, 2002.
27. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Virginia, McLean, Virginia, September 10, 2002.
28. "Moisture Sources (The Cause and Origin of Mold Growth)," Presenter, PLRB National Mold Symposium II, San Antonio, Texas, May 6-7, 2002.
29. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Kentucky, Lexington, Kentucky, April 25, 2002.
30. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Ohio, Columbus, Ohio, April 5, 2002.
31. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Western Loss Association Mold Seminar, Elk Grove Village, IL, February 28, 2002.
32. "The Building Envelope and Moisture Transport (The Cause and Origin of Mold Growth)," Presenter, Lorman Education Services, Solving Water Intrusion and Mold Problems in Tennessee, Nashville, Tennessee, January 31, 2002.
33. ASTM Workshop on Residential EIFS, Expert Panelist, American Society for Testing and Materials, Seattle, Washington, April 18, 1999.
34. Issues Related to the Manufacture of High Performance Fiber Reinforced Cement Composites (HPFRCC), Session Moderator and Presenter, 2nd International Workshop on HPFRCC, University of Michigan, Ann Arbor, Michigan, June 11-14, 1995.
35. Thin Fiber Reinforced Cement Products, Presenter, Symposium for Fiber Reinforced Cement Based Materials, Center for Advanced Cement Based Materials (ACBM) Technology Transfer Day, Northwestern University, Evanston, Illinois, March 3, 1993.
36. Direct-Applied Finish Systems Over Fiber Reinforced Cement Boards for Exterior Walls, Presenter, Symposium on Experience and Application with Fiber Reinforced Concrete, International Fibrous Concrete Institute (IFCI), Miami, Florida, January 10-11, 1991.
37. Fracture Toughness of Fiber Reinforced Concrete, Expert Panelist, A Workshop to Critically Review Results from a CMRC / NRC Reported Inter-University Research Project, Phoenix, Arizona, January 4-5, 1990.
38. Durability of Glass Fiber Reinforced Concrete Symposium, Presenter, Precast/Prestressed Concrete Institute, Chicago, Illinois, November 12-15, 1985.



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Litigation Support Experience

In addition to the hundreds of construction-related projects that Mr. Daniel has managed over the past 40 years, the following expert witness testimony experience (deposition, trial, and arbitration experience) is provided since the year 2000. Mr. Daniel was involved in his first trial in the early 1980's and hundreds of dispute resolution matters since that time.

Expert Engagement:

Type of Matter: Exterior Insulation and Finish System (Barrier EIFS) Cladding
Law Firm: Butzel Long
Case Name: Michigan Wall Systems vs. Utica Hotel
Representing: Utica Hotel (Owner)
Testimony Provided: Deposition
Date: January 6, 2000
Disposition: Settled

Expert Engagement:

Type of Matter: Mold growth in attic
Law Firm: Cardelli, Hebert & Lanfear, P.C.
Case Name: Kathy & Alan Stenman vs. Silverman Building Companies, Inc. vs. Augerbuilt, Inc., et. al.
Representing: Augerbuilt, Inc. (Framing Subcontractor)
Testimony Provided: Deposition
Date: January 3, 2001
Disposition: Settled

Expert Engagement:

Type of Matter: Gypsum sheathing deterioration during construction
Law Firm: Long, Aldridge & Norman, L.L.P.
Case Name: N26312 Park Center III Limited Partnership, et al. v. The Pennsylvania Manufacturers' Association Insurance Co.
Representing: Park Center III Limited Partnership (Owner)
Testimony Provided: Deposition
Date: March 6, 2001
Disposition: Settled



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Expert Engagement:

Type of Matter: Drainage-Type EIFS Cladding
Law Firm: McManus, Schor, Asmar & Darden, L.L.P.
Case Name: Renaissance Customs, Inc. v. Herbert & Kozam
Representing: Renaissance Customs, Inc. (General Contractor)
Testimony Provided: Deposition and Trial
Date: Deposition Testimony - February 25, 2002
Trial Testimony - June 4, 2002
Disposition: Award in favor of client

Expert Engagement:

Type of Matter: Thin Brick Cladding
Law Firm: Patton Boggs, L.L.P.
Case Name: N27595 TMG-Southwest v. Real Brick Products, Inc., et. al.
Representing: Real Brick Products, Inc. (Thin Brick System Manufacturer)
Testimony Provided: Deposition
Date: August 29, 2002
Disposition: Settled

Expert Engagement:

Type of Matter: Barrier EIFS Cladding
Law Firm: Prossnitz; Birndorf & Birndorf;
Case Name: N27760 CP Partners v. Dryvit Systems, Inc
Representing: CP Partners (Hotel Owner)
Testimony Provided: Deposition
Date: February 10, 2003
Disposition: Settled

Expert Engagement:

Type of Matter: Direct Exterior Finish System (DEFS) Cladding and Window Leakage
Law Firm: McManus, Schor, Asmar & Darden, L.L.P.
Case Name: National Children's Center Leakage Investigation
Representing: National Children's Center (Building Owner)
Testimony Provided: Arbitration
Date: February 13, 2003
Disposition: Award in favor of client



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Expert Engagement:

Type of Matter: Thin Brick Cladding
Law Firm: Sherman & Howard, L.L.C.
Case Name: N27519 Calcon Constructors, Inc. v. Real Brick Products, Inc.
Representing: Real Brick Products, Inc. (Thin Brick System Manufacturer)
Testimony Provided: Deposition (for Arbitration)
Date: March 18, 2003
Disposition: Settled

Expert Engagement:

Type of Matter: Window Leakage, Masonry and EIFS Cladding Defects
Law Firm: Hardig, Lee & Groves
Case Name: N25867 Neenan v. Tri-State Window
Representing: Tri-State Window (Window Fabricator/Distributor)
Testimony Provided: Deposition
Date: July 14, 2003
Disposition: Settled

Expert Engagement:

Type of Matter: Water Infiltration and Mold
Law Firm: Hume, Smith, Geddes, Green & Simmons, LLP
Case Name: N28050 Reber v. Servicemaster
Representing: Servicemaster (Mold Remediation Contractor)
Testimony Provided: Deposition
Date: October 16, 2003
Disposition: Settled

Expert Engagement:

Type of Matter: Vapor Migration, Condensation and Rotting of Structural Insulated Panel ("SIP") Roof Assemblies in Juneau, Alaska
Law Firm: Preg, O'Donnell & Gillett
Case Name: N27530 Bearden v. Mountainside, et. al.
Representing: Insulspan (SIP Technology Licensor)
Testimony Provided: Deposition
Date: January 14, 2004
Disposition: Settled



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Expert Engagement:

Type of Matter: Window Leakage and Masonry Flashing
Law Firm: Cardelli, Hebert & Lanfear, P.C.
Case Name: 100541 National Church Residences v. Allied Interior and Construction Co.
Representing: Allied Interior and Construction Co.
Testimony Provided: Deposition
Date: June 21, 2004
Disposition: Settled

Expert Engagement:

Type of Matter: Window Leakage
Law Firm: Greensfelder, Hemker & Gale, P.C.
Case Name: N28247 Great River Medical Center v. NBBJ and Merit Construction, et. al.
Representing: Great River Medical Center (Hospital Owner)
Testimony Provided: Deposition and Arbitration
Date: Deposition Testimony - June 25, 2004
Arbitration Testimony - May 1, 2005
Disposition: Award in favor of client

Expert Engagement:

Type of Matter: Mold in Cathedral Ceilings
Law Firm: Herbolsheimer, Lannon, Henson, Duncan and Reagan
Case Name: N27304 Jones v. A&W Insulation, et. al.
Representing: A&W Insulation (Insulation Subcontractor)
Testimony Provided: Deposition
Date: February 9, 2005
Disposition: Settled

Expert Engagement:

Type of Matter: Basement Flooding, Water Damage, and Mold
Law Firm: Brown & James
Case Name: N28762 Bayer v. Ehret Heating & Cooling Inc.
Representing: Ehret Heating & Cooling Inc. (Subcontractor)
Testimony Provided: Deposition Testimony & Arbitration Testimony
Date: Deposition Testimony - March 4, 2005
Arbitration Testimony - February 2, 2006
Disposition: Award in favor of client



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Expert Engagement:

Type of Matter: Water Leakage in Building Envelope, Stucco, Slate Roofing, Internal Gutters
Law Firm: Broad and Cassel
Case Name: 101473 Palm Beach Trust v. Livingston Builders
Representing: Palm Beach Trust (Building Owner)
Testimony Provided: Deposition
Date: October 10-11, 2005
Disposition: Settled during Trial in favor of Client

Expert Engagement:

Type of Matter: Water Infiltration, Window Leakage, Barrier EIFS Cladding, Steep Roofs, Low-Sloped Roofs, Condensation, Mold Growth
Law Firm: Cantwell & Cantwell
Case Name: N27532 Waigand v. Dryvit, et.al.
Representing: Waigand (Building Owner)
Testimony Provided: Deposition
Date: February 13 and March 10, 2006
Disposition: Settled

Expert Engagement:

Type of Matter: Mold Cause and Origin in Attic
Law Firm: O'Hagan Smith & Amundsen
Case Name: 101558 Philips (Tenant) v. Shingala
Representing: Shingala (Unit Owner)
Testimony Provided: Deposition
Date: May 10, 2006
Disposition: Settled

Expert Engagement:

Type of Matter: Barrier EIFS Cladding
Law Firm: Greensfelder, Hemker & Gale, P.C.
Case Name: 101610 Poger v. Schaefer Construction
Representing: Schaefer Construction (General Contractor)
Testimony Provided: Deposition
Date: May 18, 2006
Disposition: Settled



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Expert Engagement:

Type of Matter: Roof Leakage, Mold and Decay in Wall Construction
Law Firm: Leahy, Eisenberg & Fraenkel, Ltd.
Case Name: N27332 Lumbermen's Mutual Casualty Co. v Gloria Sykes
Representing: Lumbermen's Mutual Casualty Co. (First-Party Property Insurer)
Testimony Provided: Deposition
Date: May 24, 2006
Disposition: Settled

Expert Engagement:

Type of Matter: Window Leakage, Masonry Cladding, Water Infiltration
Law Firm: Kightlinger & Gray, LLP
Case Name: 101993 Alig v. Sheehan Construction
Representing: Sheehan Construction (General Contractor)
Testimony Provided: Deposition
Date: May 31, 2006
Disposition: Settled

Expert Engagement:

Type of Matter: Stucco Cladding Deficiencies, Water Penetration
Law Firm: Koeller, Nebeker, Carlson & Haluck, LLP
Case Name: 103348 Allen v. Del Webb Coventry Homes, Inc.
Representing: Dell Webb Coventry Homes, Inc.
Testimony Provided: Deposition
Date: January 23, 2007
Disposition: Settled

Expert Engagement:

Type of Matter: Stucco Cladding Deficiencies, Water Penetration
Law Firm: Koeller, Nebeker, Carlson & Haluck, LLP
Case Name: 103227 Abbett v. Terravita
Representing: Pulte Phoenix
Testimony Provided: Deposition
Date: March 20, 2007
Disposition: Settled



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Expert Engagement:

Type of Matter: Exterior Masonry Wall Leakage, Roofing Leakage, Flashing Issues
Law Firm: Huck Bouma, P.C.
Case Name: 104159 Wesley Square Condominium v. Wheaton West
Circuit Court of Cook County, Case No. 02 L 1171
Representing: Wesley Square Condominiums (Homeowner's Association)
Testimony Provided: Deposition
Date: September 12, 2007
Disposition: Settled

Expert Engagement:

Type of Matter: Glass Curtain Wall Leakage, Mold
Law Firms: Robinson & Cole, LLP and Baker, Donelson, Bearman, Caldwell & Berkowitz, PC
Case Name: 50117 Pyramid Hotel Opportunity Ventures v. Lexington Insurance, et. al.
24th Judicial District Court for The Parish of Jefferson, State of Louisiana,
Case Number 635-788
Representing: Multi-Tiered Property Insurance Carriers
Testimony Provided: Deposition and Trial
Date: January 15, 2008 – Deposition Testimony
June 26, 2008 – Trial Testimony
Disposition: Court Ruling

Expert Engagement:

Type of Matter: Barrier EIFS Cladding
Law Firms: Meuleman Mollerup, LLP and Duane Morris, LLP
Case Name: 104924 Boise Lodging Investors, LLC v. Devcon Construction, Inc.
Representing: Boise Lodging Investors, LLC (Hampton Inn Hotel Owner)
Testimony Provided: Deposition and Arbitration
Date: March 6, 2008 – Deposition Testimony
April 4, 2008 – Arbitration Testimony
Disposition: Arbitration Panel Ruling

Expert Engagement:

Type of Matter: Vinyl Siding and Leakage Issues
Law Firms: Saunders, Condon & Kenney, P.C.
Case Name: 50107 Sunset Siding, Inc. v. Winston Village Association
Circuit Court of the Twelfth Judicial Circuit, Will County,
Illinois Case No.: 04 L 155
Representing: Sunset Siding, Inc.
Testimony Provided: Deposition
Date: March 25, 2009 & March 30, 2009 – Deposition Testimony
Disposition: Settled



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Expert Engagement:

Type of Matter: Window Sash Fell Out of Frame and Injured Person
Law Firms: Kasdorf Lewis & Swietlik
Case Name: 50097 Marie Wagner v. Cincinnati Casualty Co., et al.
Rock County Circuit Court, State of Wisconsin
Case No. 07-CV-001381, Case Code No. 30107
Representing: Corporate Contractors (Window Installer)
Testimony Provided: Deposition
Date: February 24, 2010 – Deposition Testimony
Disposition: Settled

Expert Engagement:

Type of Matter: Duties and Responsibilities of General Contractor
Law Firms: Herbolsheimer, Lannon, Henson, Duncan and Reagan
Case Name: 50198 Hanson v. Welch Developers
Circuit Court of the 13th Judicial Circuit, Grundy County, State of Illinois
Case No. 06 L 40
Representing: John Hanson, Owner of Residential Home
Testimony Provided: Deposition
Date: July 22, 2010 – Deposition Testimony
Disposition: Settled

Expert Engagement:

Type of Matter: Dryvit Barrier EIFS Disclosure Issues
Law Firms: Phelps Dunbar, LLP
Case Name: 50224 RPM Inc., et al. v. Chubb Custom Insurance, et al.
Court of Common Pleas Cuyahoga County, Ohio
Case No.: CV-05-578004
Representing: Great American Assurance Company
Testimony Provided: Deposition
Date: December 15, 2010
Disposition: Settled



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Expert Engagement:

Type of Matter: Exterior Masonry Wall Leakage
Law Firms: Childress Duffy, LTD
Case Name: 50105 Michael McGrath v. Northern Heritage Builders and Rapciak Construction
Circuit Court of Cook County, State of Illinois
Case No.: 08 L 5548
Representing: Michael McGrath, Owner of Residential Home (Plaintiff)
Testimony Provided: Deposition, Trial
Date: September 24, 2010 – Deposition Testimony
February 15, 2011 – Trial Testimony
Disposition: Award in favor of client

Expert Engagement:

Type of Matter: Chinese Drywall
Law Firms: Ansa Assuncao, LLP and Akerman Senterfitt
Case Name: 50250 H. Bradley Staggs and Audrey L. Staggs v. Alvarez Homes, Inc.
Circuit Court of the Thirteenth Judicial Circuit in and for Hillsborough County, Florida, Case No.: 09026416
Representing: Alvarez Homes, Inc. (Builder)
Testimony Provided: Deposition
Date: November 9, 2011
Disposition: Settled

Expert Engagement:

Type of Matter: Fire Sprinkler Pipe Freeze and Rupture
Law Firm: Wilson, Grosenheider, Jacobs, Basinger & Loiacono, L.L.P.
Case Name: 50288 American Strategic Insurance Lloyd's Texas a/k/a ASI v. Sanders Custom Homes
192nd Judicial District Court, Dallas County, Texas, Case No.: DC-11-12795-K
Representing: Williams Consolidated, Ltd. d/b/a Williams Insulation (Thermal Insulation Installer)
Testimony Provided: Deposition
Date: December 11, 2012
Disposition: Settled



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Expert Engagement:

Type of Matter: Attic Wall Pipe Freeze and Rupture
Law Firm: Balick & Balick, LLC
Case Name: 50217 Federal Insurance Company and Firemen's Insurance Company v. Miller and Smith Homes, et. al.
Superior Court of the State of Delaware for New Castle County,
Case No.: 09C-02-042 JRJ
Representing: Miller & Smith Homes (General Contractor)
Testimony Provided: Deposition
Date: January 31, 2013
Disposition: Settled

Expert Engagement:

Type of Matter: Insulation and Vapor Retarder Installation Issues
Law Firm: Burr & Forman, LLP
Case Name: 50258 Ellison v. Pickering Builders v. Coastal Insulation
Circuit Court of Baldwin County, Alabama, Case No.: CV-2011-901548
Representing: Coastal Insulation (Insulation Subcontractor)
Testimony Provided: Deposition
Date: February 18, 2014
Disposition: Settled

Expert Engagement:

Type of Matter: Barrier EIFS and Failed Window Sealant Joints (Meskwaki Bingo Casino Hotel)
Law Firm: The Shuck Law Firm
Case Name: 50308 Sac & Fox Tribe of the Mississippi in Iowa v. The Weitz Company, LLC
American Arbitration Association
File No. 58-110-000141-13
Representing: Olympic Wall Systems (EIFS Panelizer and Installer)
Testimony Provided: Arbitration Testimony
Date: December 16, 2014
Disposition: Arbitrator Ruling



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Expert Engagement:

Type of Matter: Barrier EIFS Cladding
Law Firm: Law Office of Michael S. O'Connell
Case Name: 50278 Lovitsch v. Wojcik, et. al.
Circuit Court of the Twelfth Judicial Circuit, Will County, Illinois,
Case No. 08 L 909
Representing: Baird & Warner Residential Sales, Inc. and Kathleen S. Aguayo (Realtor)
Testimony Provided: Deposition, Trial
Date: February 13, 2015 – Deposition Testimony
May 4, 2015 – Trial Testimony
Disposition: Ruling in favor of client

Expert Engagement:

Type of Matter: Window Installation, Window Perimeter Leakage Issues, Duties and Responsibilities of General Contractor
Law Firm: Carleton, Loraso & Hebert, LLC
Case Name: 50316 DHC v. Coker, et. al.
19th Judicial District Court, Parish of East Baton Rouge, State of Louisiana
Case No. 619,894
Representing: Coker & Associates, Inc. (Window Installer)
Testimony Provided: Deposition
Date: February 26, 2015 – Deposition Testimony
Disposition: Settled

Expert Engagement:

Type of Matter: EPDM Roofing, Stucco Exterior Cladding, Water Infiltration, Building Hygrometrics
Law Firm: Daniel G. Suber & Associates
Case Name: 50304 Chlystun v. RL Roofing
Laporte County Superior Court No. 1, Michigan City, Indiana
Cause No. 46D01-1307-PL-1062
Representing: RL Roofing (Roofing Installer)
Testimony Provided: Deposition
Date: March 17, 2016 – Deposition Testimony
Disposition: Settled



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Expert Engagement:

Type of Matter: Pipe Freeze Incident, Fire Sprinkler Systems under NFPA 13, Building Thermal Insulation

Law Firm: SmithAmundsen, LLC

Case Name: 50339 The Hudson Condominium Association v. Constructa v. Gale Insulation
Marion County Superior Court, Indianapolis, Indiana
Cause No. 49D10-1511-PL-037572

Representing: Gale Insulation (Thermal Insulation Installer)

Testimony Provided: Deposition

Date: February 15, 2017

Disposition: Settled

Expert Engagement:

Type of Matter: Deficient Low-Slope Roof System Installation

Law Firm: Carleton Hebert & Wittenbrink, LLC

Case Name: 50351 Advantage Roofing vs. Landmark Amer. Insurance and Central Roofing
United States District Court Middle District of Louisiana
Case No. 3:16-CV-00677-JWD-RLB

Representing: Advantage Roofing

Testimony Provided: Deposition

Date: April 24, 2018

Disposition: Ongoing