



DEREK A. HODGIN, PE, F-IIBEC, RBEC, RRO, RRC, RWC, REWC, CDT, CCCA, CXLT

CSE PRESIDENT, FORENSIC ENGINEER + BUILDING ENCLOSURE CONSULTANT



YEARS WITH FIRM: 19
YEARS IN INDUSTRY: 32

EDUCATION

NC State University | Raleigh, NC
Bachelor of Science, Civil Engineering, 1989
Diploma, Construction Management, 2016

Clemson University | Clemson, SC
Forestry 641: Properties of Wood Products

SC Dept. of Insurance, Approved Instructor

SC Real Estate Commission, Approved Instructor

PREVIOUS EXPERIENCE

- President, Founder of Construction Science & Engineering, Inc. [2003 — present]
- Senior Engineer, Campbell, Schneider and Associates, LLC [1997 — 2003]
- Engineering Consultant [1994 — 1997]
- Staff Engineer, Coastal Engineering Consultants, Naples, FL [1990 — 1994]

REGISTRATIONS

Professional Engineer: AL #22298, AR #15874, CO # PE.0052498, FL #52986, GA #PE024749, IA # P21756, KS #PE25762, KY#36412, LA #PE.0028162, MD #0402032652, MI #6201063968, MO #2007032427, MS #13974, NC #022589, NY#91540, OH #PE.77055, PA#PE056463E, SC #18825, TN #107223, TX #84986, USVI #0-33810-1B, UT #9620148-2202, VA #0402032652, WV #022742

- IIBEC: Fellow, Jury of Fellows - IIBEC
- IIBEC: Registered Building Enclosure Consultant (RBEC®) #0012
- IIBEC: Registered Roof Observer (RRO®) #0229
- IIBEC: Registered Roof Consultant (RRC®) #0267
- IIBEC: Registered Waterproofing Consultant (RWC®) #0015
- IIBEC: Registered Exterior Wall Consultant (REWC®) #0021
- CSI: Construction Documents Technologist (CDT)
- CSI: Certified Construction Contracts Administrator (CCCA)
- EDI: Certified Third Party EIFS Inspector
- EDI: Certified Moisture Analyst
- EDI: Certified Building Enclosure Inspector
- Windstorm Insurance Network: Certified WIND Umpire
- IBHS: Certified Evaluator for Fortified Construction
- Excel Tribometers, LLC: Certified Tribometrist (CXLT)

PROFESSIONAL ORGANIZATIONS

- National Society of Professional Engineers (NSPE)
- National Academy of Forensic Engineers (NAFE) - Senior Member
- American Society of Civil Engineers (ASCE)
- Forensic Expert Witness Association (FEWA)
- International Code Council (ICC)
- National Roofing Contractors Association (NRCA)
- Roof Consultants Institute (RCI)
- Roofing Industry Committee on Weather Issues, Inc. (RICOWI)
- Forest Products Society (FPS)
- APA Engineered Wood Association
- American Society of Home Inspectors (ASHI)
- American Society for Testing and Materials (ASTM)

PRINCIPAL AREAS OF PRACTICE

- Building Enclosures
- Structural
- Roof Systems
- Deficient Construction
- Personal Injury
- Contract Administration
- Marine / Environmental

Derek A. Hodgin has 32 years of experience as an engineering consultant and is responsible for facility condition inspections, failure analysis, damage assessments, and forensic engineering investigations of all types of structures. His experience includes failure analysis of a wide variety of building enclosures and roof systems. He has investigated and testified regarding the performance of various building products including fire retardant treated (FRT) wood, exterior insulation and finish systems (EIFS), hardboard siding and trim. Derek has also designed, permitted and investigated failures of civil and coastal projects such as residential and commercial developments, marinas, docks, shoreline stabilization and retaining systems, basin and channel dredging. A large part of his projects have included analysis of deficient construction cases including roofs, exterior walls, windows, doors, structural framing, civil site work and building code review. He has investigated and testified regarding various types of personal injury cases including slip/trip and fall, railing failures, swing collapse and ladder accidents. Derek has performed engineering assessments of hurricane, tornado, hail, wind, ice and fire related damages for a wide variety of commercial and residential structures.



BUILDING ENCLOSURES

Exterior Insulation and Finish System (EIFS) failure investigations, hundreds of residential and commercial structures | NC, SC, VA, AL, TX

- Conventional stucco investigations, numerous residential and commercial structures | NC, SC, GA
- Glass curtain wall investigations, commercial high-rise structures | NC, SC
- Investigation of brick veneer cladding failures on residential and commercial structures | NC, SC, GA
- Investigation of wood siding failures on residential structures | NC, SC
- Investigation of vinyl siding installation deficiencies on numerous residential structures | NC, SC
- Investigation of medium density fiberboard (MDF) siding and trim products on residential and commercial structures | NC, SC, NY, NJ, IA, FL
- Investigation of wood, extruded aluminum, and vinyl clad window and door failures on residential and commercial structures | NC, SC, IL, MO
- Condition assessment of multiple residential buildings consisting of wood framing, T1-11 siding, and composition shingle wall cladding | NC, SC
- Condition assessment of high and mid-rise multi-family residential structures consisting of concrete and steel framing, metal stud curtain walls, and EIFS cladding | SC
- Investigation of exterior wall systems on multiple high-rise commercial buildings consisting on concrete framing, metal stud curtain walls, and conventional stucco cladding | SC
- Investigation of water intrusion, numerous pre-engineered commercial buildings | NC, SC, TX
- Design and construction administration of multi-million dollar building enclosure repair project for 77 condominium buildings that were deficiently constructed. Repairs included roofing, exterior walls, windows and structural framing | Murrell's Inlet, SC

STRUCTURAL

- Concrete pier distress investigation | Hilton Head, SC
- Investigation of wood truss roof systems that deteriorated due to Fire Retardant Treatment (FRT), numerous commercial structures | NC, SC
- Investigation of light-gauge metal truss collapse on a commercial building | Charleston, SC
- Investigation of balcony railing failures and deficient railing construction on single and multi-family residential buildings | SC
- Investigation of asphalt pavement failures at residential + commercial developments | NC, SC
- Investigation of foundation failures on residential structures including timber piles, CMU piers, concrete slab on grade, masonry footing and wall systems | NC, SC

STRUCTURAL CONTINUED

- Investigation of blasting / vibration claims on residential structures | NC, SC
- Investigation of concrete failures on commercial structures including mid and high-rise residential buildings + parking garages | NC, SC
- Investigation of a timber and concrete foundation elements of an over water commercial structure | Elizabeth City, NC
- Investigation and preliminary structural analysis of large-scale pre-engineered metal building including standing seam metal roof, steel bar joists, steel girders, and steel columns | IL
- Investigation of residential and commercial structures damaged by Hurricanes Bertha, Fran, Danny, Bonnie, Dennis, Floyd, Gaston, Charley, Francis, Jeanne, Katrina | VA, NC, SC, AL, MS, FL, and Grand Cayman, BWI
- Investigation of fire damage to various residential and commercial structures | NC, SC, GA
- Investigation of residential wood deck collapses | NC, SC
- Investigation of numerous residential + commercial structures damaged by termite infestation, | NC, SC
- Investigation of numerous brick chimney failures on residential structures | NC, SC, TN, GA
- Structural analysis and design of various residential structures | NC, SC, FL

ROOF SYSTEMS

- Investigation of numerous hail damaged residential roof systems including asphalt shingles, slate, wood, standing seam and panel rib metal, modified bitumen, EPDM, and PVC | VA, NC, SC, GA, TX
- Investigation of numerous hail damaged commercial roof systems including modified bitumen, EPDM,
- PVC and structural standing seam and ribbed metal roof panels | NC, SC, GA
- Investigation of numerous tornado damaged commercial and residential roof systems including asphalt shingles, EPDM, BUR, and standing seam metal | VA, NC, IN
- Investigation of numerous hurricane damaged commercial and residential roof systems including asphalt shingles, slate, wood, EPDM, BUR, modified bitumen, standing seam metal, corrugated metal, + Polyurethane Foam (PUF) | NC, SC, AL, US Virgin Islands, Grand Cayman, BWI
- Investigation of a roof collapse on a commercial warehouse facility | GA
- Investigation of ice and snow related roof failures on commercial and industrial facilities | NC
- Investigation of a roof collapse on a commercial warehouse facility | PA
- Investigation of a coating failure on multiple standing seam metal roof areas | SC
- Investigation of coating failure on a 4-ply built-up roof on an industrial facility | SC



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- Investigation of a coating failure on a low-slope structural metal roof on an industrial facility | TX
- Investigation of single-ply roof conditions related to deficient construction litigation on three (3) large-scale commercial buildings | Rockmart, GA
- Investigation of gravel-surfaced built-up roof conditions related to deficient construction litigation on a large-scale commercial building | Baltimore, MD
- Investigation of gravel ballasted single-ply roof conditions related to litigation on a large-scale commercial building | Lake Charles, LA
- Investigation of roof installation on a large-scale residential development including concrete tile and low slope EPDM roof areas, Hilton Head Island, SC
- Investigation of roof installation on a residential structure including clay tile and low slope copper roof areas | Isle of Palms, SC
- Investigation of roof conditions of a slate roof and structural analysis of wood roof framing on a historic residential structure | Wilmington, NC
- Investigation of water intrusion on commercial roof systems consisting of panel rib metal roof panels, | NC, SC
- Investigation of premature failure of synthetic slate tiles on residential structures | NC
- Assessment of roof conditions of a large-scale BUR roof for purposes of potential litigation | Eden, NC
- Assessment of roof conditions of a high-rise commercial building with a polyurethane foam roof on a concrete deck | Garden City, SC
- Design of copper roof system for a dome roof exposed to high wind conditions | Myrtle Beach, SC
- Design of metal shingle roof systems located in high wind conditions | SC; Grand Cayman, BWI
- Investigation of premature failure of a large-scale fleece-back EPDM roof system | Florence, SC
- Investigation of paint failure on steep slope, standing seam metal roof panels | Lugoff, SC
- Investigation of pool enclosure roof collapse consisting of metal skin panels | Hilton Head Island, SC
- Investigation of premature failure of a large-scale fleece-back EPDM roof system | Florence, SC
- Investigation of paint failure on steep slope, standing seam metal roof panels | Lugoff, SC
- Investigation of pool enclosure roof collapse consisting of metal skin panels | Hilton Head Island, SC

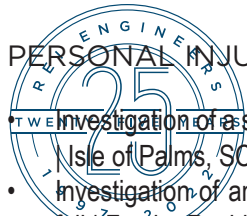
DEFICIENT CONSTRUCTION

- Investigation of various structural, building enclosure, pavement, storm water management, fire protection and life safety related deficiencies at residential developments | NC, SC
- Investigation of various structural, building enclosure, fire protection, and life safety related deficiencies at a residential development | Hilton Head, SC
- Investigation of various structural, building enclosure, and waterproofing related deficiencies at a residential development | Little River, SC
- Investigation of various building enclosure and waterproofing related deficiencies at residential developments | Wilmington, NC
- Investigation of various structural, building enclosure, site development and waterproofing related deficiencies at numerous residential developments | Myrtle Beach, SC
- Investigation of structural and operational issues with large airport hangar doors | Myrtle Beach, SC
- Investigation of various personal injury incidents related to deficient construction, improper maintenance and/or product defects | SC, GA, NJ

PERSONAL INJURY CASES

- Investigation of a trip and fall adjacent to a pavement excavation related to a plumbing repair; Pope vs. Four Star Plumbing | Georgetown, SC - 2017
- Investigation of a slip and fall at a retail store space; Boatsman vs. DLS | Myrtle Beach, SC - 2014
- Investigation of a fall from an unprotected seawall adjacent to a restaurant seating area; Wilshire vs. BOAC | Little River, SC - 2014
- Investigation of a slip and fall at a shopping mall; Jordan vs. ERMCI | Myrtle Beach, SC - 2014
- Investigation of a trip and fall on a floating access pier; Broad River Boat Landing | Beaufort, SC - 2014
- Investigation of a trip and fall on a wooden ramp; Bryant vs. Sunnyside Farms | Johns Island, SC - 2013
- Investigation of a slip and fall on an improved pathway; Kien vs. Keowee River Club | Sunset, SC - 2013
- Investigation of a slip and fall on wooden stairs that served a residence; Brooks vs. World Custom Homes | Rockhill, SC - 2013
- Investigation of a slip and fall on a painted driveway surface | 714 Sapphire Court; Inman, SC - 2013
- Investigation of a slip and fall on an elevated wood stair landing; Allen vs. Sea Cabin | Isle of Palms, SC; 2012
- Investigation of a slip and fall at a chain barricade; Thornton vs. City of Myrtle Beach | Myrtle Beach, SC - 2012
- Investigation of a slip and fall on a brick sidewalk with an up-light lens | Karla Glynn, Savannah, GA - 2011

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PERSONAL INJURY CASES CONTINUED

- Investigation of a slip + fall; Dawkins vs. Heyward Enterprises Isle of Palms, SC; 2011
- Investigation of an injury that occurred when a porch swing fell | Frazier Residence; Darlington, SC - 2010
- Investigation of a slip + fall on restaurant stairs | Crazy Crab Restaurant of Hilton Head, SC - 2010
- Investigation of a limestone mantle that fell on a child; Lyon vs. Connecticut Stone | Spartanburg, SC - 2009
- Investigation of a fall related to a rail collapse; Fogerty vs. Burton Company | Mt. Pleasant, SC - 2009
- Investigation of a lawn mower accident | McQueen Residence, Myrtle Beach, SC - 2008
- Investigation of a fall related to a rail collapse | Harbaugh Residence, Charleston, SC - 2008
- Investigation of a slip + fall on a plastic wheel stop; Watts vs. Wilco Hess | St. Matthews, SC - 2007
- Investigation of a fall related to a rail collapse; | Thompson Residence, Folly Beach, SC - 2007
- Investigation of a slip + fall on a wet floor surface; | Murphy's Law Bar, Myrtle Beach, SC; 2007
- Investigation of a fall through a roof; Greg Grant Lapiere vs. Orvis | Spartanburg, SC - 2007
- Investigation of a slip and fall on a wooden access pier; Callen vs. Mariner's Marina, Inc. | Baregat, NJ - 2007
- Investigation of a fall related to a rail collapse | Long Residence; Mt. Pleasant, SC - 2006
- Investigation of a deck collapse | Leone Residence, Seneca, SC - 2005
- Investigation of a slip and fall | Casino Boat Loading Platform, Little River, SC - 2004

CONTRACT ADMINISTRATION

- Evaluation of roofing, exterior wall and structural conditions of a ten (10) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair project | Edgewater; North Myrtle Beach, SC
- Evaluation of concrete balconies and sliding glass door conditions of a twelve (12) story oceanfront condominium. Development of repair scope, selection of qualified contractor, administration of contract for sliding glass door replacement and balcony waterproofing project | Carolina Winds; Myrtle Beach, SC
- Evaluation of roofing, exterior wall and structural conditions of a forty-two (42) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair project | River Oaks I; Myrtle Beach, SC
- Evaluation of exterior wall, balcony and structural conditions of a fourteen (14) story, ocean-front condominium complex. Administration of contract for exterior wall repair project; | South Hampton, Myrtle Beach, SC

CONTRACT ADMINISTRATION CONTINUED

- Evaluation of roofing, exterior wall, and structural conditions of a twenty-three (23) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair project | River Oaks II, Myrtle Beach, SC
- Evaluation of roofing, exterior wall, and structural conditions of a thirty (30) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair project; Fairways at River Oaks; Myrtle Beach, SC
- Evaluation of timber pile foundation and overlying structural wood framing of an oceanfront condominium building. Development of repair specifications, selection of a qualified contractor, administration of structural repairs including shoring of existing building, raising existing framing during repair and replacement of damaged framing members, lowering the building and repairs to exterior and interior finishes as needed | Windy Shores; North Myrtle Beach, SC
- Evaluation of exterior wall and structural conditions of an eight (8) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for exterior wall and structural repair project | Spinnaker Bay; Little River, SC
- Evaluation of roofing, exterior wall and structural conditions of a three (3) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall + structural repair project; Coquina Harbour; Little River, SC
- Evaluation of fire-retardant truss failures, structural conditions of roof framing and roof coverings on steep and low slope roof areas on a large nursing home complex. Development of repair scope, selection of qualified contractor, administration of contract for roof framing and roof replacement project | Clinton Presbyterian Home; Clinton, SC
- Evaluation of roofing, exterior wall and structural conditions of a seventy-seven (77) building condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair project; True Blue; Pawley's Island, SC
- Evaluation of roofing conditions of an ocean-front four (4) building condominium complex. Design of a high-performance metal roof covering system. Development of roof replacement scope, selection of qualified contractor, administration of contract for roof tear-off, structural repairs, underlayment installation and installation of metal roof coverings with associated flashings | Christopher Columbus; Grand Cayman, British West Indies
- Evaluation of roofing, exterior wall, balcony and structural conditions of a seventeen (17) story section and a five (5) story section, ocean-front condominium complex. Development of repair scope, selection of qualified contractor, administration of contract for roofing, exterior wall and structural repair projects; | North Hampton; Myrtle Beach, SC


 CONTRACT ADMINISTRATION CONTINUED

- Evaluation of exterior wall, balcony and structural conditions of a nine (9) story, ocean-front condominium complex. Development of repair scope and administration of contract for exterior wall repair project | The Wellington; North Myrtle Beach, SC
- Evaluation of exterior wall, roofing of a three (3) story condominium development. Development of repair scope and administration of contract for exterior wall, roofing and structural repairs | River Creek II; Sunset Beach, NC

MARINE / ENVIRONMENTAL

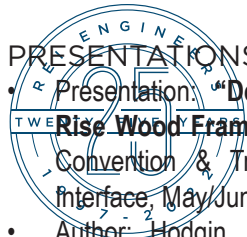
- Investigation of damages to a reinforced concrete pier at a small craft marina operation | Hilton Head Island, SC
- Above and below water inspection of reinforced concrete dock providing 150 slips and associated concrete breakwater system | Sarasota, FL
- Investigation of damages to a 150-slip marina due to Hurricane Bertha | New Bern, NC
- Investigation of above and below water damages to a 300-slip marina due to Hurricane Fran | Kerr Lake, NC
- Investigation of damages to approximately 500 feet of reinforced concrete and composite "transite" seawall at a large marine research facility after Hurricane Fran | Beaufort, NC
- Investigation of multiple coastal structures damaged by Hurricanes Dennis and Floyd | coastal NC
- Investigation of above and below water damages to approximately 3000 feet of fixed and floating docks at a private marina due to Hurricane Earl | Port Royal, SC
- Investigation of above and below water damages to a 75-slip marina due to Hurricane Floyd | Lake Gaston, NC
- Investigation, design and permitting of shoreline stabilization projects including seawalls, rock revetments, terminal groins, rock jetties, offshore breakwaters, and beach nourishment in the State of Florida
- Investigation, design and permitting of numerous single and multi-slip docking facilities consisting of both fixed and floating structures | NC, SC and FL
- Design and permitting of 32-slip marina with floating concrete docks and full utilities | Naples, FL
- Design and permitting of reinforced concrete piers for a 35-ton travel lift and related basin improvements for a full-service marina | Naples, FL
- Nearshore hydrographic survey of coastal Collier County, Collier County beach nourishment project, Collier County, FL
- Coastal Construction Control Line permitting and critical design review for residential and commercial structures | State of Florida

MARINE / ENVIRONMENTAL CONTINUED

- Dredge and Fill permitting for various coastal projects | State of FL
- Participated in boundary, topographic, and Mean High Water (MHW) surveys for the State of Florida, Collier and Monroe Counties, FL
- Prepared numerous Phase I and Phase II environmental audits for residential, commercial and industrial properties | Lee and Collier Counties, FL

PRESENTATIONS + PUBLICATIONS

- Author: Hodgin, D.: **"Understanding (and Misunderstanding) Warranties Associated with the Roofing Industry"**, by Derek Hodgin, RBEC, RRO, PE, CDT, and Helen Hardy Pierce, F-IIBEC, IIBEC Interface: March 2021 | Vol. XXXIX No. 3
- Author: Hodgin, D.: **"Anatomy of Construction Litigation — An IIBEC Interface Collection"**, by Derek Hodgin, RBEC, RRO, PE, CDT, and John Wylie, REWC, RRO, PE, IIBEC Interface: January 2021.
- Author: Hogin, D.: **"Got Shrinkage? Why Wood Shrinkage Analysis Is Required By The Code"**, by Hodgin and Ray Wetherholt. Interface: January 2021 | Vol. XXXIX No. 1.
- Author: Hogin, D.: **"Understanding (and Misunderstanding) Warranties Associated With The Roofing Industry"**, by Hodgin and Helene Hardy Pierce. IIBEC Interface, March 2020.
- Presentation: **"Expert Witness 101: Balancing Professional Ethics with Client Desires"**, CRSMCA Carolinas Mid-Winter Roofing Expo. 2020. Greenville, SC.
- Author: Hodgin, D.: **"Anatomy of Construction Litigation Part IV - Expert Testimony"**, IIBEC Interface, October 2020 | Vol. XXXVIII No. 10.
- Author: Hogin, D.: **"U.S. Building Enclosure Resource Guide"**, by Hodgin and Walter J. Rossiter. IIBEC Interface, September 2020 | Vol. XXXVIII No. 9.
- Author: Hogin, D.: **"Forensic Engineering Assessment of Fault Allocation of Involved Parties in Building Enclosure Defect Cases"**, by Hodgin and Kami Farahmandpour. IIBEC Interface, April 2020.
- Author: Hodgin, D.: **"Anatomy of Construction Litigation Part III - Preparing a Repair Scope"**, IIBEC Interface, April 2020 | Vol. XXXVIII No. 4.
- Author: Hodgin, D.: **"The Most Common Problems With Residential Counterflashing"**, IIBEC Interface, March 2020 | Vol. XXXVIII No. 3.
- Author: Hodgin, D.: **"Anatomy of Construction Litigation Part II - Preparing a Written Report"**, IIBEC Interface, February 2020 | Vol. XXXVIII No. 2.
- Author: Hodgin, D.: **"Value Engineering Gone Bad: A Refresher on How to Avoid Problems"**. IIBEC Interface, December 2019 | Vol. XXXVII No. 11.



PRESENTATIONS + PUBLICATIONS

CONTINUED

- Presentation: **“Dealing With The Challenges Of Mid-Rise Wood Frame Construction”**, 2019. RCI International Convention & Tradeshow. 2019. Orlando, FL. | IIBEC Interface, May/June 2019 | Vol. XXXVII No. 5.
- Author: Hodgin, D.: **“Why We Need To Rethink The Business of Mid-Rise Wood Frame Student Housing”**. IIBEC (RCI) Interface, October 2019.
- Author: Hodgin, D.: **“Anatomy of Construction Litigation, Part I - Identification of Defects”**. IIBEC (RCI) Interface, August 2019.
- Author: Hodgin, D.: **“Evaluating the Adequacy of Siding Attachment”**. RCI Interface, July 2019.
- Author: Hodgin, D.: **“The Four Ds of Exterior Wall Failure”**. RCI Interface, October 2018.
- Author: Hodgin, D.: **“Construction Litigation Issues: An Update”**, RCI Interface, September 2018. | Vol. XXXVI No. 8
- Guest Lecturer: **“Mid-Rise Wood Frame Construction: A Good Idea or Are We Asking for Trouble?”**, National Ready Mixed Concrete Association Annual Meeting (NRMCA). 2018. Houston, TX.
- Presentation: **“Forensic Engineering Comparison of Two Masonry Cladding Systems”**, Journal of the National Academy of Forensic Engineers, October. 2017.
- Author: Hodgin, D.: **“Mid-Rise Construction – A Call for Best Practices”**, Wood Design Focus: A Journal of Contemporary Wood Engineering, Winter, 2017.
- Guest Lecturer: **“Understanding the Challenges of Mid-Rise Wood-Frame Construction”**, Clemson University, Materials and Methods Class. 2017. Clemson, SC.
- Presentation: **“Mid-Rise Wood-Frame Construction: A Good Idea, or Are We Asking for Trouble?”**. RCI Interface, September 2017.
- Guest Lecturer: **“Mid-Rise Wood Frame Construction: A Good Idea or Are We Asking for Trouble?”**, RCI Region II Meeting, 2017. Nashville, TN. 2017. 71st FPS International Convention, Starkville, MS.
- Presentation: **“Forensic Engineering Assessment of Fault Allocations of Involved Parties in Building Envelope Defect Cases”**; NAFE Summer Meeting. 2017. Atlanta, GA.
- Presentation: **“Keeping the Water Out”**, CSE Seminar Dealing With The Challenges Of Mid-Rise Wood Frame Construction, 2017. Clemson, SC | Atlanta, GA | Charleston, SC | Columbia, SC | Raleigh, NC.
- Guest Lecturer: **“Horizontal and Vertical Building Envelope Design”**, Arch 8470. Clemson University School of Architecture. 2017. Clemson, SC.
- Presentation: **“Watch Your Step: The Construction Minefield”**, WCA Fall Convention. 2016. BEC-RT, Raleigh, NC.
- Presentation: **“An Expert Guide to Identifying Construction Defects”**, RCI Interface, July 2016.
- Panel Discussion: **“Risk Management for Design Professionals”**, 2016. Charleston, SC.
- Presentation: **“Design Professionals and Contractors: Up Against the Wall”**, J. Davis Construction. 2016. + McMillan Pazdan Smith Lunch and Learn. 2015. Greenville, SC.
- Presentation: **“Loads on Steep and Low Slope Roofs – The Starting Line”**, CSE Load Path Seminar, 2015. Clemson, SC.
- Presentation: **“Understanding Code Prescribed Building Loads”**, CSE Load Path Seminar. 2015. Clemson, SC.
- Presentation: **“Tale of Two Stones”**, 12th North American Masonry Conference. 2015. Denver, CO. RCI Region II Meeting, 2015. Charlotte, NC. 2015. ASCE 7TH Congress on Forensic Engineering, Miami, FL.
- Presentation: **“Windows & Doors: Evolution of Performance & Installation Requirements”**, CSE Seminar Current Construction Litigation Issues. 2015. Greenville, SC.
- Presentation: **“Top 10 Alleged Construction Defects”**, Raleigh Building Envelope Council Meeting. 2014. Raleigh, NC.
- Presentation: **“Siding Attachment: Facts & Fantasies”**, 28th RCI International Convention and Trade Show. 2014. Anaheim, CA.
- Presenter: **“Current Construction Litigation Issues”**, CSE Seminar. 2014. Myrtle Beach, SC.
- Presenter: **“Top 10 Stucco Issues”**, CSE Seminar Understanding Exterior Wall Failures. 2013. Charleston, SC.
- Presenter: **“Problems With Brick Veneer” CSE Seminar Understanding Exterior Wall Failures”**, 2013. Charleston, SC.
- Presenter: **“What About the Trim?”**, CSE Seminar Understanding Building Envelope Failures. 2013. Clemson, SC.
- Presenter: **“Expert Witness 101: Balancing Professional Ethics with Client Desires”**, 2012. ASCE Forensic Engineering Conference Proceedings
- Author: Hodgin, D.: **“What About the Trim? A critical element of the Building Envelope that has been ignored for too long.”** Interface, IIBEC (RCI), September 2012.
- Presenter: **“Expert Witness 101: Balancing Professional Ethics with Client Desires”**, ASCE 6th Congress on Forensic Engineering. 2012 San Francisco, CA; SC Engineering Conference & Trade Show. 2011. Hilton Head Island, SC. Seminar Current Construction Litigation Issues. 2014. Myrtle Beach, SC. CSE Seminar Current Construction Litigation Issues. 2015. Greenville, SC.
- Presenter: **“Top 20 Stucco Issues: Things That You Should Know To Avoid Litigation”**, Carolina Lath And Plaster Association (CLAPCA) Fall Conference. 2009. Charleston, SC.
- Presenter: **“Problems With Code-Compliant Brick Veneer in Residential Construction”** 24th International IIBEC (RCI) Convention and Trade Show, 2009. Dallas, TX
- Author: Hodgin, D.: **“Problems With Code-Compliant Brick Veneer in Residential Construction”**, RCI Interface, September 2008.
- Author: Hodgin, D.: **“Problems With Code-Compliant Brick Veneer in Residential Construction”**, Interface. RCI, September 2008.

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PRESENTATIONS + PUBLICATIONS

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- Presenter: **"Top 10 Building Code Problems"**, IIBEC (RCI), Inc. Carolinas Chapter Meeting, 2008.
- Presentation: **"Whom Do I Hire? – Knowing The Types of Experts You Need To Consider When Faced with Claims of Construction Defects and Codes Violations"**, More than Nuts & Bolts: How to Construct and Deconstruct Expert Testimony sponsored by Navigant Consulting, Inc., and Thelen Reid Brown Raysman & Steiner LLP, 2007.
- Author: Hodgin, D.: **"Expert Use In Claims of Construction Defects and Code Violations"**, Construct! Construction Litigation Committee Newsletter, Spring 2007.
- Author: Hodgin, D.: **"EIFS: Practical Solutions for Addressing Damages to Existing Buildings"**, Interface. RCI, February 2006.
- Presentation: **"EIFS: Practical Solutions For Addressing Damages To Existing Buildings"** 2005 Building Envelope Symposium, Roof Consultants Institute. 2005.
- Presentation: **"Metal Roof Failures"**, RCI Carolinas Chapter Meeting. 2004.
- Presentation: **"Architects and Contractors: Up Against the Wall"**, CSE Seminar. 2004.
- Presentation: **"Architects and Contractors: Up Against the Wall"**, CSE Seminar. 2004.
- Author: Hodgin, D.: **"Contractor's Instructions: A Forensic Engineering and Legal Perspective"**, Interface. RCI, March 2004.
- Author: Hodgin, D.: **"Spontaneous Combustion of Roofer's Mops – A Review"**, RCI Interface, August 2003.
- Author: Hodgin, D.: **"It's Not EIFS – It's the Details"**, RCI Interface, March 2003.
- Presentation: **"Contractor's Instructions: A Forensic Engineering and Legal Perspective"**, presented at 18th International RCI Convention & Trade Show. 2003. Tampa, FL; CSE Seminar Current Construction Litigation Issues. 2014. Myrtle Beach, SC. 2015. Greenville, SC.
- Author: Hodgin, D.: **"Comparison of Strength Properties and Failure Characteristics Between Fire Retardant-Treated and Untreated Roof Framing Lumber After Long-Term Exposure: A SC Case Study"**, Forest Products Journal. June, 2002. Presentation: CSE Seminar. 2004.
- Presentation: **"Forensic Engineering 101"**, Westminster, SC Chamber of Commerce, June 2002; Structural Engineers Assoc., Greenville Chapter. 2015. Greenville, SC.
- Author: Hodgin, D.: **"Selecting the Right Finish For Metal Roofing, Part I: Metallic Coatings"** Metal Roofing, August 2001.
- Presentation: **"How Not To Build a Roof"**, Spring Conference, Waterproofing Contractors Association, Inc. 2001; CSE Seminar: Understanding Building Envelope Failures, 2013. Clemson, SC. 2014. CSE Seminar: Current Construction Litigation Issues, 2014. Myrtle Beach, SC; 2015. Greenville, SC.
- Author: Hodgin, D.: **"Sealing Lap Seams of Metal Roof Panels: An Inexpensive Form of Insurance That Should Not Be Ignored"**, Metal Roofing. May 2001
- Author: Hodgin, D.: **"Problems with Fire-Retardant Treated (FRT) Wood Extend Below the Roof Deck"**, Interface. IIBEC (RCI), March 2001; Presentation: 17th Int'l RCI Convention & Trade Show, 2002. Galveston, TX
- Presentation: **"Why Buildings Leak"**, Building Envelope Seminar presented by ProTec Finishes, 2000; Solving Water Intrusion and Mold Issues in SC, Lorman Education Services, 2004. RCI Carolinas Chapter Meeting. 2004. 11th Annual National Property Subrogation Strategies ExecuSummit. Uncasville, CT. 2014.
- Author: Hodgin, D.: **"Carribbean Roofing 101"**, Metal Roofing Magazine, February 2001.
- Author: Hodgin, D.: **"Wind Failures - Avoiding a Roof Failure Requires an Understanding of Many Factors Other Than Wind Speed"**, Interface. RCI, June 1999; Metal Architecture, June 2000.
- Presentation: **"Steep Roofing"**, Fall Conference, NC Licensed Home Inspector Association. 1999.

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