

## CONTACT INFORMATION

Alta Engineering Company  
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Jacksonville, Florida 32256  
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## ACADEMIC ACHIEVEMENTS

B.S., Civil Engineering, Florida State University.  
Cum Laude Graduate  
Honors Program

M.S., Civil Engineering – Structural Track, University of Central Florida

## PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Professional Engineer, Florida License No. 62476

Professional Engineer, Georgia License No. 35279

Professional Engineer, South Carolina License No. 29881

Florida Licensed Mold Assessor No. 6254328

Florida Building Code Administrative Core Accreditation

Certified Dryvit (Synthetic Stucco) Installer

Approved Dow Corning Sealants 3<sup>rd</sup> Party Warranty Inspector

AAMA Installation Masters – Certified Installer of Windows and Doors.

CPN International Certification for Radiation Safety and Use of Nuclear Gauges

OSHA Scaffolds Training Course

## PROFESSIONAL MEMBERSHIPS

American Society of Testing and Materials (ASTM)–  
ASTM Committee Member D07 Wood, Subcommittee D07.05.02  
ASTM Committee Member C11 Gypsum and Related Building Materials and  
Systems  
ASTM Committee Member E06 Performance of Buildings  
ASTM Committee Member E07 Non-Destructive Testing

International Concrete Repair Institute (ICRI) – Jacksonville Chapter – Former Board of Directors

## PROFESSIONAL DEVELOPMENT

ASCE Wind Loads for Buildings and Other Structures  
ASCE Structural Renovation of Buildings  
ASCE Structural Condition Assessments  
American Concrete Institute (ACI) Advanced Concrete Design  
American Concrete Institute (ACI) Engineering Mass Concrete Structures  
American Concrete Institute (ACI) Strut and Tie Modeling  
MACTEC Engineering Mold Awareness and Assessment Course  
Law Engineering Tower Climbing and Fall Protection Proficiency  
Simpson Strong Tie – Understanding Restraint Rod Systems  
Simpson Strong Tie – Cracking Concrete Anchor Codes  
ZweigWhite Energy Analysis that Fits Your Building Project  
Chance Helical Piles and Tiebacks

## PUBLICATIONS

Newkirk, Brett (2009). *Patching Stucco*. Sealant, Waterproofing & Restoration Institute's (SWRI) The Applicator Magazine, Fall 2009 Edition. pp 10-14.

Newkirk, Brett (2010) *Questioning the Stucco Lath Fastening Requirements of ASTM C 1063*, Journal of Architectural Engineering, March 2010. pp 1-2.

Newkirk, Brett (2010) *Creating Holes to Stop Leaks*, The Construction Specifier, August 2010. pp 34-44.

Newkirk, Brett (2010) *Metal Flashings + Liquid Applied Membranes = Failure*, Sealant, Waterproofing & Restoration Institute's (SWRI) The Applicator Magazine, Fall 2010. pp 12-16.

Newkirk, Brett (2010) *Forefall Sill Flashing Failure*, Sealant, Waterproofing & Restoration Institute's (SWRI) The Applicator Magazine, Winter 2010. pp 12-16.

Newkirk, Brett (2011) *Drafty Dilemmas*, Sealant, Waterproofing & Restoration Institute's (SWRI) The Applicator Magazine, Late Summer 2011. pp 18-23.

Newkirk, Brett (2013) *Analysis of Window Installation Shim Space*, Journal of Architectural Engineering, March 2013. pp 21-28.

Newkirk, Brett (2013) *Analysis of Window Installation Shim Space*, Advances in Engineering <http://advanceseng.com/>. March 2013.

Newkirk, Brett (2015) *To Get Along With Stucco, You've Got to Give it Some Space*, The Construction Specifier, March 2015. pp 42-48.

Newkirk, Brett (2018) *Susceptibilities of Stucco on Lath*, Advanced Building Skins Conference – Bern, Switzerland. October 2018.

## SPEAKING ENGAGEMENTS

Guest Lecturer, Florida Coastal School of Law, Construction Law Class, "Construction Defects" (2009)

Guest Lecturer, Florida Coastal School of Law, Construction Law Class, "Sticks & Bricks" (2012)

Lecturer, Taylor Morrison Homes, *Avoiding Problems with Stucco Application* (2012)

Lecturer, Taylor Morrison Homes, *Balcony Waterproofing* (2013)

Lecturer, Jacksonville Bar Association – Construction Law Committee, *Building Envelope Evaluation* (2013)

Guest Lecturer, Florida Coastal School of Law, Construction Law Class, "Sticks & Bricks" (2014)

Lecturer, Taylor Morrison Homes, *Stucco Installation* (2016)

Guest Lecturer, Florida Coastal School of Law, Construction Law Class, "Construction Process" (2016)

## CAREER SUMMARY

- 1998-1999: Construction Crew Foreman, *Champion Construction*, Roswell, Georgia  
Responsibilities: Supervisor of eight-person crew. Performed rehabilitation trade work including the erection of light steel framing, performance of wood carpentry for structural and finish elements, installation of ceramic tile, interior drywall, and exterior siding and stucco.
- 1999-2000: Staff Civil Engineer, Surveyor, AutoCad Technician, *Jim Stidham and Associates*, Tallahassee, Florida.  
Responsibilities: Conducted surveys using a total station and optical level for road, site development, and building sites. Prepared civil, site, and structural construction drawings.
- 2001-2005: Project Structural Engineer, *MACTEC Engineering and Consulting*, (formerly *Law Engineering, Inc.*), Jacksonville, Florida.  
Responsibilities: Performing a full range of structural engineering and building envelope design, retrofit and remediation projects including visual observation, testing, numerical analysis, and reporting. Performing analysis of distressed residential and commercial buildings for multiple insurance companies, including State Farm and Prudential to determine the source and extent of the distress and to provide retrofit design. Performing the duties of special agent to the threshold inspector on several Northeast Florida structures, including: The Strand Condominiums, Villa Riva Condominiums, Sawgrass Marriott Convention Center, Hibernia Baptist Church, Arlington Elementary School, Argyle Forrest Elementary School and

the 103<sup>rd</sup> Street Wal-Mart. Performing due-diligence property condition surveys of more than 50 commercial buildings including apartment complexes, convention centers, banks, strip shopping centers, malls, hotels, office parks, condominiums, and industrial warehouses. Clients included Trammel Crowe, Regency Centers, The Flagler Group, Mercantile Bank, and Marriott Hotels. Performing structural analysis of and structural retrofit design for over 100 cell phone towers and associated equipment structures. Performing special in-situ load testing and strain gage material testing on projects such as river lock gates, Firestone tire presses, CSX railroad cross arms, Shands Hospital Proton Therapy devices, and a historic lighthouse.

2005-2010: Chief Engineer & Partner, Construction Solutions, Inc., Jacksonville, Florida.

Responsibilities: Engineering manager and technical director for all projects. Performing building envelope evaluations and structural distress analysis along with the subsequent structural repair and waterproofing design for well over 100 buildings in North and Central Florida including high-rise condominiums, hospitals, office buildings, public libraries and commercial warehouses. Performing project management and owner representative services for most of the repair and renovation projects designed. Project budgets range from \$10,000 to \$10M. Director of testing for water infiltration testing and proof load structural testing. Provision of expert witness services in over 100 litigation matters.

2010-Present: President, Alta Engineering Company, Jacksonville, Florida.

Responsibilities: Director. Consultant regarding building and component distress. Evaluation, Repair Design and Management Projects have included the Jacksonville Main Library, the Federal Courthouse - Jacksonville, the Soliare Condominium Tower - Orlando, St Paul's Episcopal Church - Jacksonville Beach, Springhill Suites Hotel - Tallahassee, Villa Del Sol Apartments - Kissimmee, Ocean Park Condominiums - Jacksonville Beach, Ocean Village Condominiums - Atlantic Beach, Seaside Retreat Condominiums - Amelia Island, Frederica Golf Club - St. Simons Island, Coral Sands Condominiums - Fernandina Beach, Seaside at Anastasia - St. Augustine, and the Reserve at Point Meadows Condominiums - Jacksonville.

## TESTIMONY

2004 John Bakus v. J & L Homes (Deposition)  
2005-10-7 Irwin Carasso v. Tree of Life, Inc. (Deposition)  
2006-8-21 Irwin Carasso v. Tree of Life, Inc. (Testimony at Trial)  
2008-9-22 James T. Trease v. Harbour Island Joint Venture III (Deposition)  
2009-10-29 John Wieland Homes, Inc. v. Various Subcontractors (Deposition)  
2009-12-18 Sofran Marbella LLC v. Various Entities (Deposition)  
2010-1-27 Reserve at Point Meadows Condominium Association, Inc. v. Hardaway Construction Company, The Steinburg Collaborative (Deposition)  
2010-3-8 Reserve at Point Meadows Condominium Association, Inc. v. Hardaway Construction Company, The Steinburg Collaborative (Deposition)  
2010-5-7 Ocean Park Condominium Association, Inc. v. Brian J Cote d/b/a Cote Architectural Designs, Jax Apex Technology, Inc. Warren V Carrigan, Gate Concrete Products Company (Deposition)  
2010-7-7 Ocean Park Condominium Association, Inc. v. Wholesale Building Products d/b/a VNS Corporation and MI Windows and Doors, Inc. (Deposition)  
2010-7-28 Harden v. City of Jacksonville (Deposition)  
2010-7-30 Ocean Park Condominium Association, Inc. v. Wholesale Building Products d/b/a VNS Corporation and MI Windows and Doors, Inc. (Deposition)  
2010-9-7 Sayre v. Simonton Windows, Inc., Steve Johnson Custom Homes, Exterior Supply of Jacksonville, Inc., Preferred Plastering, Inc. (Deposition)  
2011-3-17 Andrew and Iris Moore v. Toll Brothers, Inc and Brackett and Associates, Inc. (Deposition)  
2011-3-22 Timothy and Danielle Payne v. Braud Design/Build, Inc. (Deposition)  
2011-4-26 The Reserve at James Island Condominium Association, Inc. v. Hardaway Construction Company, The Steinburg Collaborative (Deposition)  
2011-5-31 Le Baron Condominium Association, Inc v. Nanette Taylor (Hearing)  
2011-10-19 The Bartram, LLC v. CB Contractors, LLC., v....Florida State Plastering, LLC. (Deposition)  
2011-12-2 Vista Cove Condominiums Association, Inc. v. LandSouth Construction, LLC. v....One Source General Contractors, Inc. (Deposition)  
2012-2-6 Almengor v. City of Jacksonville (Deposition)  
2012-4-27 Treace v. Stevenson Design and Development of Jacksonville, Inc., et al. (Testimony at Trial)  
2012-5-22 Carol Ecos & Susan Bessing v. Taylor Morrison Services, Inc. (Deposition)  
2012-7-17 Lenora Bodway v. Security First Insurance Company (Deposition)  
2012-7-19 Ted & Jeannie Emack v. E.C. Kenyon Construction Company, Inc., et al. (Deposition)  
2012-9-21 Hammock Grove Condominium Association, Inc. v. Centex Homes v. Builders First Source Florida, LLC. (Deposition)  
2012-9-27 First Professionals Insurance Company, Inc. v. Southeast Trenching Technologies, LLC v. ACC Advanced Caulking and Coating, Inc. (Deposition)  
2012-10-12 Sabco, Inc. v. GPG Investment Company, LTD, Inc. (Deposition)  
2012-10-31 Carol Ecos & Susan Bessing v. Taylor Morrison Services, Inc. (Deposition)  
2012-11-5 Sabco, Inc. v. GPG Investment Company, LTD, Inc. (Trial)  
2012-11-7 The Strand Investors LP v. The Auchter Company, XL Specialty Insurance Company and XL reinsurance America, Inc. (Deposition)  
2012-11-15 Nancy Crapps v. Lauren Spies Construction & Development, Inc. (Deposition)

2013-3-21 Big River Breweries, Inc. v. 1 King LLC, CHU, LLC and David White. (Deposition)

2013-3-28 Secretary of Labor v. E.C. Concrete, Inc. (Hearing)

2013-7-11 Treace v. Stevenson Design and Development of Jacksonville, Inc., et al. (Deposition)

2013-8-23 WG Yates & Sons Construction Company v. Holly Hill I Associates, LTD (Deposition)

2014-2-11 Hugh A. Carithers v. Mid-Continent Casualty company (Testimony at Trial)

2014-2-18 Treace v. Stevenson Design and Development of Jacksonville, Inc., et al. (Testimony at Trial)

2014-4-11 Carolyn Rogers v. American Integrity Insurance Company of Florida (Deposition)

2014-8-4 Christopher L. Miller v. Florida Peninsula Insurance Company (Deposition)

2014-9-25 Olympus Insurance Company v. Omegaflex, Inc. and Amerigas Partners, L.P. (Deposition)

2014-10-13 Glaser v. Southern Waterproofing (Deposition)

2014-12- 15 to 17 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-1-7 Schumacher v. Jeff Thompson Construction Company (Deposition)

2015-1-26 Lynne D. Conboy v. Hovis Custom Builders, Inc. (Deposition)

2015-3-5 Lynne D. Conboy v. Hovis Custom Builders, Inc. (Arbitration)

2015-3-17 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-4-21 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-5-29 Florida State College at Jacksonville v. The Tower Group, Inc. (Deposition)

2015-6- 9 to 11 Little Sabine, Inc. v. Morette Company (Deposition)

2015-6-16 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-7-7 1661 Riverside Condominium Association, Inc. v XL Specialty Insurance Company (Deposition)

2015-9-15 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-10-14 to 15 Solaire at the Plaza Condominium Association, Inc. v. Plaza Court, L.P. and Brasfield & Gorrie, LLC. (Deposition)

2015-11-9&10 Little Sabine, Inc. v. Morette Company (Deposition)

2015-11-18 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-11-19&20 Bernice Dressendorfer, et al. v. Taylor Morrison Services, Inc. (Arbitration)

2015-11-22 Leon County Educational Facilities Authority v. Capstone/LTT, LLC. (Deposition)

2015-12-1 Windsor Falls Condominium Association, Inc. v. D.R. Horton, Inc. v. King Concrete. (Deposition)

2016-1-15 Herons Landing Condominium Association, Inc. v D.R. Horton v. Sunbelt Roofing. (Deposition)

2016-2-16&17 Villa Medici Condominium Association, Inc. v. Courtney Gate Parkway, LLC, Contravest Construction Group, Inc., et al. (Deposition)

2016-3-28 Villa Medici Condominium Association, Inc. v. Courtney Gate Parkway, LLC, Contravest Construction Group, Inc., et al. (Deposition)

2016-4-4 Villa Medici Condominium Association, Inc. v. Courtney Gate Parkway, LLC, Contravest Construction Group, Inc., et al. (Deposition)

2016-5-6 Osceola Brownstones Condominium Association, Inc. v. Andrew Construction Services, LLC (Deposition)

2016-6-1,2 & 3 City of Jacksonville v. Heery International, Inc., Robert A.M. Stern Architects, LLP, The Auchter Company, Elkins Constructors, Inc. et. al. (Deposition)

2016-6-8 Ocean Village Condominium Association, Inc. v Northeast Florida Construction, Inc. (Deposition)

2018 2016-6-10 Joseph A. Crozier, III v. Elite Homes, Inc. (Deposition)

2016-6-16 Villa Medici Condominium Association, Inc. v. Courtney Gate Parkway, LLC, Contravest Construction Group, Inc., et al. (Deposition)

2016-6-22 Tuscany Village of St Augustine Homeowner's Association, Inc. v. KB Home Jacksonville, LLC. (Deposition)

2016-7-13 Island Reserve Condominium Association, Inc. v. Creekstone Builders, Inc., et. al. v. J. Mitchell Builders, Inc. (Deposition)

2016-7-18 Amelia Lakes Condominium Association v Titen Real Estate Investment Group (Testimony at Trial)

2016-8-31 Grover Burgan v Coastal Oaks Construction, Inc. (Deposition)

2016-10-3 Putnam Center Associates, LLC. v Sherri Scroggins and Kent Scroggins (Deposition)

2016-10-18 Putnam Center Associates, LLC. v Sherri Scroggins and Kent Scroggins (Testimony at Trial)

2016-12-1 Kevin & Wendy Whittington v. Taylor Morrison of Florida, Inc. (Arbitration)

2016-12-7 Joshua & Michele Hiliker v Taylor Morrison of Florida, Inc. (Arbitration)

2017-1-10 Sean Wilson v Taylor Morrison of Florida, Inc. (Arbitration)

2017-1-11 Blue Heron Beach Resort Condominium Association, Inc. v. Blue Heron Resort Developer, LLC and McMurry Construction Co., Inc. (Deposition)

2017-1-13 Via Mare Condominium Association, Inc. v. BTMJS, LLC, Caudel & Associates, LLC., Commercial Specialties, LLC., and White Homes & Development, Inc., Darryl A King & Associates, LLC and K&G Construction Company, Inc. (Deposition)

2017-2-22&23 Crossings at Cypress Trace Condominium Association, Inc. v. Centex Homes, (Deposition)

2017-3-3 Neil Wein and Ann Marie Wein v Radcraft, Inc. (Deposition)

2017-3-28 Anthony Maneri v. CalAtlantic Group, Inc.

2017-4-12 Gainesville Place Phase II, LLC. v. Davis & Sons Construction Company, LLC v. FJT Construction, Inc. (Deposition)

2017-5-4 Ramon Vargas v Taylor Morrison of Florida, Inc. (Arbitration)

2017-5-5 Edward and Arlene Christians v Taylor Morrison of Florida, Inc. (Arbitration)

2017-5-18 Ocean Village Condominium Association v. Northeast Florida Contractors, Inc. (Deposition)

2017-5-24 KB Home Tampa, LLC v H&H Stucco & Stone, Inc. (Deposition)

2017-6-14 Nguyen v Taylor Morrison of Florida, Inc. (Arbitration)

2017-8-8 Summit Construction Group, LLC. v Kiersten Klatch (Deposition)

2017-9-26 & 27 KB Home Tampa, LLC v H&H Stucco & Stone, Inc. (Deposition)

2018-1-25 Holly Hamilton v. Florida Peninsula Insurance Company (Deposition)

2018-2-13 to 15 Ocean Village Condominium Association, Inc. v Northeast Florida Construction, Inc. (Testimony at Trial)

2018-2-20 Lake Washington Homeowner's Association, Inc. v DR Horton, Inc. v All Pro Stucco, et. al. (Deposition)

2018-3-14 Wind Condominium Association, Inc. v Neo Epoch 2, LLC v FDS Aluminum, Inc. (Deposition)

2018-3-27 The Peninsula v. The Auchter Company, et al. v. Cummings Masonry Co., et. al (Deposition)

2018-4-24 Sunset Bay - Merritt Island Condominium Association, Inc. v. Elite Stucco, Inc., et. al (Deposition)

2018-5-18 Autumn Glenn Townhome Owners Association, Inc. v DR Horton, Inc. - Jacksonville v. Hamway Flooring, Inc., et al. (Deposition)

2018-5-29 Allstar Building Materials v CSX Transportation, Inc. and Reliable Rail Services, LLC. (Deposition)

2018-6-19 Raymond Quinones and Linda Quinones v Babin Builders and Development, Inc. v A&T Stucco, LLC. (Deposition)

2018-7-2 Amerisure Insurance Company v The Auchter Company (Deposition)

2018-7-12 Raymond Quinones and Linda Quinones v Babin Builders and Development, Inc. v A&T Stucco, LLC. (Arbitration)

2018-7-12 Old Town Villages Condominium Association, Inc. v. Johnson-Graham-Malone, Inc. v. Stanley Smith Drywall, Inc. (Deposition)

2018-8-15 Vickie Oldham v. Taylor Morrison of Florida, Inc. (Arbitration)

2018-8-17 Bayberry Lakes Homeowners Association, Inc. v. KB Home Orlando, LLC (Deposition)

2018-8-20 Gladys Lilavois v Taylor Morrison of Florida, Inc. (Arbitration)

2018-8-21-24 Deerwood Place Condominium Associations I, II, III, IV & VI v. Beezer Homes Corp. (Deposition)

2018-9-7 Steven Caccitore and Maria Ruiz v Taylor Morrison of Florida, Inc. (Arbitration)