

Mathew Joseph, P.E.

Founder & Principal Consultant - RSH Engineering, Inc.
Texas Licensed Professional Engineer (#78695)

Forensic Engineer Consultant - Building Code Expert
Home Design & Phase Inspections

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Professional Summary

Nationally recognized forensic engineer, building code expert, and litigation consultant with 30+ years of multidisciplinary experience across residential, commercial, and institutional sectors. As Founder and President of RSH Engineering, Inc., Mathew delivers signature-ready evaluations, expert witness services, and strategic guidance for complex property challenges. He was an approved trainer for the Texas Residential Construction Commission (TRCC), having educated builders and inspectors on IRC framing standards and code compliance. His leadership blends technical mastery with client advocacy, empowering legal teams, property owners, and industry professionals with clarity, confidence, and actionable insight.

Core Competencies

- Forensic Engineering & Origin/Cause Investigations
- Building Code Compliance & Expert Witness Testimony
- Insurance Appraisal & Umpire Services
- Residential Phase Inspections & Warranty Consulting
- Litigation Support & Damage Documentation
- Advanced Inspection Technologies (FLIR®, Drone Thermal, Tramex®, CrawlBot™)
- Strategic Client Advocacy & Education
- Multidisciplinary Team Leadership & Collaboration (Structural, Civil, MEP, Geotech)

Professional Experience:

RSH Engineering, Inc. (dBA RSH Construction) — Mesquite, TX *Founder & Principal Consultant* | 1999–Present

- Provide forensic evaluations and expert witness services for legal, insurance, and property disputes
- Conduct origin and cause investigations for wind, hail, water intrusion, and structural failures
- Deliver litigation support including declarations, deposition prep, and code violation documentation
- Approved TRCC trainer for 2003 IRC framing guidelines; keynote speaker for City of Frisco – Training for City Inspectors and Framers and Construction Managers building in Frisco.
- Provided consulting for area builders (US Homes, David Weekley, Lennar, Toll Brothers, Calmark Homes, Oxbridge Homes, Atrium Fine Homes, Yeti Homes).

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- Perform phase inspections, Final Walkthroughs, and End-of-Builder Warranty evaluations.
- Provide Engineering Design: foundation, framing, shear wall for new homes & re-model.
- Packout/Pack Back, Mitigation and Restoration (Auto damage, Flood and Fire)
- Insurance Appraisal, Umpire Services & Mediation Services
- Lead development of branded client deliverables and educational outreach materials
- Mentor interns and inspectors in engineering, inspection, and construction best practices

Polaris Forensics – Dallas, Texas Forensic Engineer | 2015 – present

- Origin and cause expert for wind, hail, fire, explosions, water intrusion, plumbing leak investigations
- Forensic Engineer Placement & Recruitment

Donan Engineering Co. — Louisville, KY *Forensic Engineer* | 2012–2013

- Origin and cause expert for wind, hail, water intrusion, and slab damage investigations
- Delivered continuing education to attorneys and insurance executives on roofing and water intrusion
- Conducted desk reviews for Texas Windstorm Insurance Association
- Facilitated appraisal discussions and cost reconciliation for disputed claims

Lucent Technologies / AT&T Power Systems — Mesquite, TX & Naperville, IL *Engineering Leadership Roles* | 1986–1999

- Held roles in product safety, mechanical design, cost reduction, and TQM facilitation
- Received patents for magnetic insulation systems and modular transformer structures
- Led cross-functional teams in design, compliance, and manufacturing optimization

Education & Licensure

- **MBA**, University of Texas at Dallas
- **MSME & BSME with Structural emphasis**, Washington University in St. Louis
- **Professional Engineer**, State of Texas (#78695) – December 1993 to present

Membership:

- IIBEC International Institute of Building Enclosure Consultants (2026)
- National Society of Professional Engineers

Consultancy

- Builder Consultant: US Homes, Village Builders, Lennar, Atrium Fine Homes, Preston Miller Estate Homes, Oxbridge Homes, David Weekley, Calmark Homes & Grand Homes.

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Construction:

RSH Construction has framed houses for Grand Homes (Garland), Preston Miller Estate Homes (Westlake), and Atrium Fine Homes (Sunnyvale) up to 10,000 sqft.

Court Cases:

- **August 22, 2024: Bill Soyring & Patricia Soyring Vs Carlos Marin & Marin Construction & Remodeling LLC - I was the expert witness for Bill & Patricia Soyring. (Won the case!)**
- **July 7, 2010: Penhollow Custom Homes, LLC and Steven J. Penhollow, Appellants, v. Cornelius Kim, and Jong Kim Apellees – I was the expert witness for Cornelius Kim and Jong Kim. (Won the case!)**
- **February 4, 2026: TROY BLUNDELL AND ANASTASIA BLUNDELL Plaintiffs, VS. JIMMY HENDERSON AND H&H CONSTRUCTION AND RESTORATION Defendant. (Won the case!)**

SPEAKING & TRAINING ENGAGEMENTS:

- March 2009 - Dallas - Texas Residential Construction Commission - Continuing Education Class - "2003 IRC Framing Requirements"
- May 2004 - City of Frisco - "2003 IRC Framing Requirements/Guidelines"
- October 2006 - American Institute of Inspectors (Annual Meeting)– Keynote Speaker - "2003 IRC Framing Requirements/Guidelines"
- April 2013 - Presented at the Mohegan Sun Casino in Connecticut - "Residential Water Intrusion - To Subrogate or Not to Subrogate, that is the question."
- June 2025 – Half Moon – “Focus on Storm Damage Assessment and Repair” – Continuing Education Course Developer & Instructor
- August 21, 2025 - International Institute of Building Enclosure Consultants (IIBEC) – “Storm Damage & Engineering Inspections”

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CONTINUING EDUCATION:

- Shallow Foundation: Design, Construction and Repair
- Soil Mechanics, Bearing Capacity and Slope Stabilization
- Retaining Wall and Post-Tensioned Slab Design
- Topics in Soil Engineering and Concrete
- Wind Loads for Design of Buildings
- Wood Frame and Steel Frame Design and Construction
- National Electric Code: Changes and Basic Grounding and Bonding Concepts for Solidly – Grounded Systems
- The Performance Monitoring and Maintenance Audit of HVAC System
- Solar Photovoltaic Project Design and Development
- Significant Changes to the International Residential Code 2018
- Distribution of Stress in Soil
- Retaining and Flood Walls

Social Media

- LinkedIn - www.linkedin.com/in/mathewcjoseph (12,338 Connections)
- <https://www.linkedin.com/in/mathewcjoseph/details/recommendations/?detailScreenTabIndex=0>
- Facebook Reviews: <https://www.facebook.com/rshengineeringinc/reviews>
- <https://rshengineering.com/testimonials/>