

**Darin V. Lasater, P.E.**

**Principal**



## **AREAS of EXPERTISE**

Architectural, Structural, Civil and Environmental Engineering and Construction

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## **SUMMARY of EXPERIENCE**

Mr. Lasater has 35 years of comprehensive construction, architectural, structural, and civil engineering experience. He has dedicated his career to the study of buildings and building components and how buildings interact with people, weather events, earthquakes, fires and explosions, temperature and humidity, adverse soil conditions, and other natural and man made forces. As a design engineer, he has designed foundation and superstructure, roof, cladding, utility, and pavement repairs and renovations for multi-family housing units, office complexes, retail facilities, warehouses, educational facilities, industrial processes, and residential properties. He has conducted over 500 real estate property inspections to report the condition of existing buildings and other real property and has conducted more than 4,100 forensic investigations to determine cause and extent of damage to building superstructure (steel, wood, concrete, masonry), roofs, foundations, pavements, finishes, indoor air, and building cladding and fenestration. Serving as construction project manager, he has completed multiple construction projects on time and within allotted budget.

## **FORMAL EDUCATION**

Master of Science in Civil Engineering (Construction Management) - University of Washington (1990)  
Bachelor of Science in Architectural Engineering (Structures) with honors - University of Colorado (1983)

## **PROFESSIONAL POSITIONS**

2004-present Acute Engineering, Inc. - Principal  
1998-2004 Triune Engineering, Inc. - Vice President of Engineering  
1995-1998 The Evans American Corporation (Disaster Reconstruction Contractor) - Regional Manager  
1995 Law Engineering & Environmental Services - Project Manager  
1992-1995 Naval Regional Contracting Center, Singapore - Resident Officer in Charge of Construction  
1990-1992 Naval Air Station - Assistant Public Works Officer  
1986-1989 U.S. Navy Civil Engineer Corps Officers School - Instructor  
1983-1986 U.S. Naval Mobile Construction Battalion (Seabees) - Officer-in-Charge  
1982 Hensel Phelps Construction Company - Field Engineer

## **CERTIFICATIONS and REGISTRATIONS**

Licensed Professional Engineer (Architectural, Structural, Civil) - Texas (License #83586)  
Licensed Professional Engineer (Civil) - California (License #44041)  
Licensed Professional Engineer (Civil) - Louisiana (License #32418)  
Certified Structural Engineer #1293-1105 - Structural Engineering Certification Board  
Board Certified Building Inspection Engineer - Building Inspection Engineering Certification Institute  
Registered Roof Consultant (RRC) #0781 - RCI, Inc.  
STAAD Certified Engineer - Research Engineers International  
Licensed Mold Assessment Consultant #MAC0116 - Texas Department of State Health Services  
Council-certified Indoor Environmental Consultant #0612043 - American Council for Accredited Certification  
Certified Microbial Consultant - American Council for Accredited Certification  
Qualified Windstorm Inspector #83586 - Texas Board of Professional Engineers and Texas Department of Insurance  
Certified Federal Emergency Management Agency (FEMA) Disaster Housing Inspector  
Certified EIFS/Stucco Third-party Inspector - Exterior Design Institute  
Former Department of Defense Construction Contracting Officer

## **PROFESSIONAL MEMBERSHIPS and ASSOCIATIONS**

Member of American Society of Civil Engineers (ASCE)  
Member of the Architectural Engineering Institute (AEI) of ASCE  
Member of the Structural Engineering Institute (SEI) of ASCE  
Associate Member of the ASCE/SEI Standards Committee ASCE/SEI 7- Minimum Design Loads and Associated Criteria for Buildings and Other Structures - Wind Loads Subcommittee for the 2022 code development cycle  
Member of the Construction Institute of ASCE  
Structural Engineer Member of the Structural Engineers Association of Texas (SEAoT)  
Member International Society for Soil Mechanics & Geotechnical Engineering  
Member of the National Society of Professional Engineers (NSPE)  
Member of the Texas Society of Professional Engineers (TSPE)  
Professional Member of the National Academy of Building Inspection Engineers (NABIE)  
Professional Member of the American Institute of Steel Construction (AISC)  
Member of the American Concrete Institute (ACI)  
Professional Member of Roof Consultants Institute (RCI)  
Affiliate Member of Roofing Industry Committee on Weather Issues, Inc. (RICOWI)  
Member of the National Roofing Contractors Association (NRCA)  
Member of ASTM Committee on Roofing and Waterproofing (ASTM D08)  
Member of the Exterior Design Institute (EDI)  
Professional Member of the International Code Council (ICC)  
Engineer Member of the Texas Association of Real Estate Inspectors (TAREI)  
Design Professional Member of the American Forest & Paper Association (AF&PA) American Wood Council (AWC)  
Member of the Indoor Air Quality Association (IAQA)  
Associate Member of ASHRAE  
U.S. Naval Reserve (LCDR Civil Engineer Corps) retired

## **MAJOR PROJECTS and RESEARCH**

Hurricane Harvey Wind Damage Investigation and Analysis - Texas  
RICOWI Hail Research Investigation - Wylie, Texas April 11, 2016  
School District Storefront Window and Curtainwall Construction Defect Investigations - Rio Grande Valley Texas  
Hail Damage Investigation and Analysis - Rio Grande Valley Texas 2012  
Hurricane Ike Wind Damage Investigation and Analysis - Southeast Texas  
Hurricane Dolly Wind Damage Investigation and Analysis - South Texas  
Investigation of Premature Deterioration of Steel Roof Deck in Multiple Office/Warehouse Buildings - Houston, Texas  
Tornado Damage Structural Evaluation of 12 Airport Buildings - McKinney, Texas  
Office Building Architectural and Structural Design - Houston, Texas  
Hurricane Rita Wind Damage Investigation and Analysis - Southeast Texas  
Hurricane Katrina Wind Damage Investigation and Analysis - South Louisiana  
Fire-Damage Reconstruction Design - Multi-Family Housing (multiple projects) - Texas  
Casino Structural and Water Damage Assessment and Repairs (Hurricane Rita) - Vinton, Louisiana  
Pre-Engineered Building Collapse Investigation and Reconstruction Design (tornado) - Alvin, Texas  
Ship Loader Crane Collapse Investigation and Structural Modeling (construction defects) - Port Arthur, Texas  
Television Ministry Church Construction - Newark, Texas  
Structural Damage Investigation and Reconstruction (bomb blast) - Colombo, Sri Lanka  
Hurricane Marilyn Damage Investigation and Reconstruction - St. Thomas, U.S. Virgin Islands  
Northridge Earthquake Damage Investigation and Reconstruction - California State University, Northridge  
U.S. Naval Facility Construction (office bldg, warehouses, recreation facilities, communications center, housing) - Singapore  
U.S. Naval Facility Renovations (office bldg, barracks, gymnasium) and Construction (parking, steel pontoons)- Japan  
Tabor Center High-Rise Construction - Denver, CO  
"Triaxial Performance of Controlled Density Fill in Utility Trench Excavations" (published thesis)- University of Washington

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**PAST HONORS**

University Scholarships  
4 Navy Commendation Medals  
Society of American Military Engineers' "Best Individual Member" Award  
"Skyscraper Award" - Criterium Engineers Affiliate

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