

**Jeffrey A. Starling, PE**  
**Starling Madison Lofquist, Inc.**  
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## **CURRICULUM VITAE**

- **Serving since 2002 as a special inspector, project manager and principal engineer, designing and inspecting a broad spectrum of projects and providing a variety of forensic analyses.**

### **PROFESSIONAL EXPERIENCE:**

#### **2014 TO PRESENT: STARLING MADISON LOFQUIST, INC.**

**Phoenix, AZ (Principal Partner)**

**Full Service Structural Engineering Firm**

**PRICIPAL PARTNER**, fka STARLING & ASSOCIATES and Radar-Starling Associates, an Arizona Corporation; company specializes in;

- Expert Witness and Litigation Support
- Design and analysis of commercial, industrial and residential structures of timber, concrete, masonry and steel building materials
- Forensic engineering of structural building failures or problems
- Insurance claim investigations
- Construction inspections
- Custom residential designs
- Concrete restoration
- Fiber Reinforced Polymer reinforcing of existing concrete, steel and timber structures
- Foundation stabilization, remediation and under-pinning

Current and recently completed projects include the design and detailing of industrial and manufacturing facilities, commercial retail and office buildings, custom residential structures, forensic studies and failure investigations. A sampling of these projects follows:

**EXPERT WITNESS AND LITIGATION SUPPORT:**

- Clear Construction, LLC adv. AK&J Sealants, LLC, et al.
- Town of Prescott Valley (Prescott Valley Library) v. Richard +Bauer Architecture, LLC; Barton Malow Company; Liberty Mutual Insurance Co.; Travelers Casualty and Surety Co.
- City of Mesa (PSTF Burn Facility 3260 N. 40th Street, Mesa, AZ 85212) v. JE Bowen Construction; Raven Concrete; et al.
- Neal (Anthem West - Engle / Hacienda - Anthem West) v. Tousa
- Hinckley, et al v. Pulte Homes (Bella Via) v. Horizon Stucco
- 44 Monroe Condominium Association vs. The Weitz Company, LLC
- Avalos v. Centex Builders (Monarch) (Villa Sonata)
- Glennwilde (Maricopa, AZ) v. Taylor Morrison, Inc.
- 3137 Willow Creek Road LLC v. Decca Builders & GNM Companies
- William Lyon Southwest, et al. adv Roseline (Lyons Gate - Gilbert)
- SDB, Inc., v. City of Scottsdale; v. AECOM
- Lohmann (27903 N Agua Verde Dr, Rio Verde, AZ) v. Speedie & Associates, Inc.
- Delaurentis v. Beazer Home Sales v. Sun Master Masonry (Sierra Montana in Surprise, AZ)
- Universal Homes, LLC, et al. adv. Amant, et al. (The Palisades at Granville)
- Homelife Communities of AZ/ Atreus adv. Alexander (Tortosa)

**FORENSIC STUDIES AND FAILURE INVESTIGATIONS:**

- Vue 1901; Pedestrian bridge failure investigation and design of repairs
- Purcell Tire; Commercial warehouse damage investigation and analysis
- 5701 W. Latham St, Phoenix; Concrete damage investigation and design of repairs
- Lakeshore at Anderson Springs; Moisture infiltration and damage investigation and repair
- 60 Biltmore Estates Dr; Cracked pool investigation and design of repairs
- Swift Transportation; Concrete damage investigation and design of repairs
- Collier Center; Concrete damage investigation and design of repairs
- 5115 E. Valley Vista Way; Landslide and wall failure investigation and design of repairs
- SOS Restoration Office; Earth movement investigation
- Northtown HOA; Damaged semi-commercial pool investigation and repairs.
- TJX 22, Moisture Vapor Emissions Rate (MVER) and in-situ Relative Humidity (RH) testing
- Marshal Insulation; Roof collapse investigation and design of repairs
- Big League Dreams; Investigation of grandstands for life safety repairs, testing existing capacity

**RESIDENTIAL / COMMERCIAL**

- Bonestroo Residence; residential remodel
- Capital Stainless; Commercial tenant improvements
- Lineage CRE; Commercial tenant improvements

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- Hallgren Residence; retaining wall design
- Ostrovsky Residence; residential remodel and fire damage

**2009 TO 2014: NINYO AND MOORE**

**Phoenix, AZ (project manager)**

**Full Service Geotechnical Engineering and Construction Materials Testing Firm**

**Project Manager, company specializes in:**

- Geotechnical design for foundations, slope stability, flood retardant structures, concrete and asphalt mix designs.
- Construction inspections and site observations
- Forensic investigations

Completed projects include flood retardant structures, commercial and industrial building structures, retail stores, heavy civil construction for infrastructure and solar facilities. A sampling of these projects follows:

- White Tanks Flood Retardant Structure 3
- Val Vista Water Transmission Main
- Solana Power Plant
- Freeport McMoran – Miami, Arizona, Smelter expansion
- CVS retail stores
- Phoenix International Airport Sky Train
- US 60 widening between I-10 and Loop 101
- SR 202 expansion

**2002 TO 2008 : STARLING MADISON LOFQUIST, INC**

**Phoenix, AZ (special inspector/draftsman)**

**Full Service Structural Engineering Firm**

**Special Inspector/Draftsman**, fka STARLING & ASSOCIATES and Radar-Starling Associates, an Arizona Corporation;

**PROFESSIONAL REGISTRATIONS:**

- Arizona Registrar of Contractors - Qualifying Party  
ROC# 291316 – A General
- Professional Engineer – Civil
  - Arizona Registration #70811

**CERTIFICATIONS:**

- International Code Council – Structural Masonry Special Inspector  
No. 5238493

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- International Code Council – Reinforced Concrete Special Inspector  
No. 5238493
- International Code Council – Structural Steel and Bolting Special Inspector  
No. 5238493
- International Code Council – Structural Welding Special Inspector  
No. 5238493
- International Code Council – Spray Applied Fireproofing Special Inspector  
No. 5238493
- International Code Council – Master of Special Inspection  
No. 5238493
- Association of the Wall and Ceiling Industry – EIFS Special Inspector  
No. 1116312
- American Concrete Institute – Concrete Field-Testing Technician – Grade 1  
No. 01161616
- Occupational Safety and Health Administration – 40 Hour – HAZWOPER
- Mine Safety and Health Administration – Surface Miner

**PROFESSIONAL ASSOCIATIONS:**

- International Concrete Repair Institute – Vice President of AZ chapter
- American Concrete Institute

**EDUCATION:**

Arizona State University; Tempe, Arizona:

- BSE, Civil Engineering - 2019

University of Arizona; Tucson, Arizona:

- BA, Spanish - 2008

**PERSONAL:**

- Married since 2013, two children.