



**Starling Madison Lofquist, Inc.**

*Consulting Structural and Forensic Engineers*

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**RONALD A. STARLING, P.E., S.E., R.L.S.**

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## **CURRICULUM VITAE**

- **Serving since 1978 as a civil and structural engineer, designing a broad spectrum of projects and providing a variety of forensic analyses.**

### **PROFESSIONAL EXPERIENCE:**

#### **1980 TO PRESENT: STARLING MADISON LOFQUIST, INC. Phoenix, AZ**

**PRINCIPAL PARTNER, PRESIDENT** of this full service structural engineering company, fka STARLING & ASSOCIATES, INC. and RADER-STARLING & ASSOCIATES, INC., an Arizona Corporation; company specializes in:

- Commercial, industrial, office, tract housing, residential and office condominium and high end custom residential structures of timber, concrete, masonry and steel building materials.
- Forensic engineering of structural building failures or problems.
- Insurance claim investigations.
- Building code review.
- Compliance studies.
- Construction inspections.
- Expert witness and litigation support.

Current and recently completed projects include industrial and manufacturing, forensic studies and failure investigations, retail, commercial office space, specialty use and custom residential projects. A sampling of these projects follows:

## INDUSTRIAL AND MANUFACTURING:

- Hellyer Vista View I; San Jose, California.
- Hellyer Vista View II, San Jose, California.
- Creekside office/warehouse; San Jose, California.
- Fontanoso office/warehouse; San Jose, California.
- REW Drywall Products; Peoria, Arizona.
- Cottmann Transmission; Tempe, Arizona.
- World Resources Building; Phoenix, Arizona.
- Southwest Behavioral Services Corporate office building; Phoenix, Arizona.

## FORENSIC STUDIES AND FAILURE INVESTIGATIONS:

- Construction collapse investigation – Parking garage at Sky Harbor International Airport; Phoenix, Arizona.
- Roof failure investigation at Shamrock Foods; Phoenix Arizona.
- Fire damage assessment at commercial retail center; Mesa, Arizona.
- Explosion investigation at Queen Creek Landfill; Queen Creek, Arizona.
- Roof failure at Coco's Restaurant; Tempe, Arizona.
- Underpinning and soils stabilization at storage facility; Yuma, Arizona.
- Renovations of existing roof at Sierra Vista School; Sierra Vista, Arizona.
- Roof collapse at New Visions facility; Tempe, Arizona.
- Fire damage and renovation at Hammond Street Apartments; Tempe, Arizona.
- Water and sewer line failure at La Cresenta Apartments; Tempe, Arizona.
- Roof analysis at Verde Valley Guidance Center; Cottonwood, Arizona.
- Shoring and renovation to historic Palace Pharmacy, Globe, Arizona.
- Rental car building construction collapse at Sky Harbor International Airport
- Emergency room entrance collapse at Northwest regional hospital
- Welding evaluation at Phoenix Cardinals sports stadium.

## CONSTRUCTION DEFECT AND LITIGATION INVESTIGATIONS:

- Audio Visual Entertainment v. Star roofing
- Bell v. Dietz Crane
- Thomson v. KDK Sundance Builders
- Millet Ranch HOA v. Homes by Dave Brown
- Centercrest Association v. Centercrest LLC
- Thornton v. KB Homes
- Young / Allen v. Elliot Homes
- Houy v Fulton Homes
- Jackson Properties v. Sage Development
- Ocotillo Partners v. George's Steel
- Zuniga v. Antonick Drywall
- Tapadero at DC Ranch v. Edmunds-Toll
- Desert Mountain v. Weitz

- Stonedge @ Troon North v. Exeter
- Astragal, LLC v. Quality Builders
- Mandalay Properties, LLC v. Playa Azul Fence
- Eastridge HOA v. Woodside Homes
- Benites v. KB Homes
- Ocotillo Lakes v. Edmunds-Toll / Pulte Homes
- Mirage Crossing HOA v. Shea Homes
- Pecos Ranch HOA v. Jackson Properties
- Wright v. Aqua Sentry

#### RETAIL:

- Safeway grocery store at DC Ranch; Scottsdale, Arizona.
- Red Mountain retail plaza; Mesa; Arizona.
- Fletcher Market Place retail center; Peoria, Arizona.
- Deer Valley Pavilions retail center; Peoria, Arizona.
- Pacific West Development pads A, B, & D retail center; Scottsdale, Arizona.
- Safeway at 83<sup>rd</sup> Avenue and Lake Pleasant Parkway; Peoria, Arizona.

#### COMMERCIAL OFFICES:

- Southwest Behavioral Institute Corporate Headquarters; Phoenix, Arizona.
- Murray Research and Development; Gilroy, California.
- Vanni Properties office; Gilroy; California.
- Tompkins Court office building; Gilroy, California.
- Addition to Subaru car dealership; Phoenix, Arizona.
- Empire Machinery tenant improvement; Chandler, Arizona.
- Northwest pool and spa building; Phoenix, Arizona.

#### SPECIALTY USE:

- City of Phoenix Police tactical training village; Phoenix, Arizona.
- Greek Orthodox Church; Scottsdale; Arizona.
- Numerous commercial water parks and swimming or diving facilities.
- Numerous MRI, X-ray, and specialty medical facilities.
- Clean room expansion at Flip Chip Technologies; Phoenix, Arizona.
- High Temperature press addition for Rogers Corp.; Chandler, Arizona.
- Special Structural Inspection of NHL Coyotes Arena; Glendale, Arizona.

#### **1978 to 1980 DEPARTMENT OF ENERGY RESEARCH Charlottesville, Virginia**

Worked on a gas centrifuge project at the research laboratories for the Engineering Sciences in Charlottesville, primarily testing glass reinforced plastics materials

## **PROFESSIONAL REGISTRATIONS:**

- Arizona Professional Engineer  
Structural – No. 15563  
Civil – No. 15183  
Land Surveyor – No. 16201
- California Civil Engineer – No. 35491
- Nevada Civil Engineer No. 12091
- Utah Civil Engineer – No. 93-265192-2202

## **PROFESSIONAL ASSOCIATIONS:**

(Starling Madison Lofquist, Inc.)

- Arizona State Board of Technical Registration Board Member 2001 to present, Chairman 2003-2004.
- Structural Engineers Association of Arizona.
- Arizona Consulting Engineers Association President 1999 to 2000  
Structural committee chair 1994-2001.
- American Concrete Institute.
- National Society of Professional Engineers.
- International Conference of Building Officials.
- American Welding Society.
- American Institute of Steel Construction
- NCEES Structural Examination Task Force

## **EDUCATION:**

University of Virginia:

- MS, Civil Engineering – 1980
- BS, Civil Engineering – 1978
- Member Chi Epsilon National Civil Engineering Honor Fraternity

## **PERSONAL:**

- Married since 1983, three children
- Hobbies include flying, skiing, scuba diving