

**JESSE J. LIGHT, P.E., S.E.**  
**STARLING MADISON LOFQUIST, INC.**  
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### **CURRICULUM VITAE**

- **Serving since 2001 as a civil/structural engineer, designing a broad spectrum of projects and providing a variety of forensic analyses.**

#### **PROFESSIONAL EXPERIENCE:**

2007 TO PRESENT: STARLING MADISON LOFQUIST, INC.  
Phoenix, AZ (Sr. Structural Engineer / Associate)

STRUCTURAL ENGINEER, of this full service structural engineering company, an Arizona Corporation; company specializes in;

- Design and analysis of commercial, industrial and residential structures of timber, concrete, masonry, steel, stainless steel and aluminum building materials
- Design and analysis of architectural metals and fenestration building enclosures of brass, bronze, aluminum, stainless steel, steel, glass and silicone.
- Forensic engineering of structural building failures or problems
- Insurance claim investigations
- Construction inspections
- Custom residential and swimming pool/spa designs
- Concrete restoration
- 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, fenestration building enclosures, forensic studies and failure investigations. A sampling of these projects follows:

#### **CUSTOM STRUCTURAL GLASS:**

- Talking Stick Resort, Scottsdale, AZ – Glass Stair Treads
- Microsoft Retail Store, 5<sup>th</sup> Ave, New York, NY – Glass Stair Treads and Stringers
- Meerkat Manor, Phoenix, AZ – Glass Pool Wall
- Connor's Residence, Paradise Valley, AZ – Glass Pool Wall

Several storefront designs in the above curtain wall and storefront section included glass fin / beam analysis.

#### **ARCHITECTURAL METALS (GLASS AND METAL GUARDRAILS / STAIRS):**

- City Center Veer Towers, Las Vegas, NV
- Sky Harbor Airport Terminal 4, Checkpoint C Renovation, Phoenix, AZ
- Denver Justice Center, Denver, CO
- Talking Stick Resort, Scottsdale, AZ
- Yuma Library, Yuma, AZ
- Citiscape, Phoenix, AZ
- Denver Justice Center, Denver, CO
- Freelifelife HQ, AZ

**ARCHITECTURAL METALS (GLASS AND METAL GUARDRAILS / STAIRS)  
(CONT'D):**

- Microsoft Retail Store, 5<sup>th</sup> Ave, New York, NY
- Villa Sport, Phoenix, AZ
- McCarran Airport, Las Vegas, NV
- Fashion Square, Mesa, AZ
- Veterans Medical Center, Phoenix, AZ
- Dysart Unified School District, Surprise, AZ
- University of Texas, El Paso, TX
- Centennial Elementary School, Gilbert, AZ
- Tempe Library, Tempe, AZ
- Mitchell Physics, TX
- Chandler City Hall, Chandler, AZ
- Smith Center of the Performing Arts, Las Vegas, NV
- Herberger Theater, Phoenix, AZ
- South Mountain Community College Library, Phoenix, AZ
- Arizona Science Center, Phoenix, AZ
- Westin Kierland Resort Ballroom, Phoenix, AZ
- History Colorado Center, Denver, CO
- Arizona State University ISTB4, Tempe, AZ
- East Valley Institute of Technology, Mesa, AZ
- USF Center for Science & Innovation, San Francisco, CA
- Ralph Carr Judicial Center, Denver, CO
- POW MIA, Honolulu, HI
- Fort Thomas USD, Pima, AZ
- University of Texas Arts and Tech Facility, Dallas, TX
- San Andreas Courthouse, San Andreas, CA
- Hyatt Tower, Scottsdale, AZ
- San Jose State University, San Jose, CA
- Vee Quiva Hotel and Casino, Laveen, AZ
- San Francisco Public Safety Building, San Francisco, CA
- San Jose Health Center, San Jose, CA
- Apple Store at Pioneer Place, Portland, OR
- Top Golf, Scottsdale, AZ
- Lory Student Center CSU, Fort Collins, CO
- Amway Platforms, Quincy, WA
- VA Southwest Healthcare Clinic, Gilbert, AZ
- Children's Learning Adventure, Goodyear, AZ
- River Oaks, Houston, TX
- Capitol Hill Station U240, Seattle, WA
- Mauka Ewa Parking, Honolulu, HI
- Folsom Lake College, Rancho Cordova, CA
- Casino Royale Hotel, Las Vegas, NV
- GoDaddy, Tempe, AZ

**CURTAIN WALL / STOREFRONT:**

- Phoenix Children's Hospital, Phoenix, AZ
- WL Gore Pinnacle Peak Campus Phase 1B, Phoenix, AZ
- Okland Office Building, Phoenix, AZ
- Bridget Hall, Chandler, AZ
- Mercy Medical Commons, Gilbert, AZ

**CURTAIN WALL / STOREFRONT (CONT'D):**

- Kino Phych Hospital, Tucson, AZ
- Phoenix Sky Train, Sky Harbor International Airport, Phoenix, AZ
- Arizona State University Interdisciplinary Science & Technology Building 4, Tempe, AZ
- Phoenix, Biomedical Campus Health Sciences Education Building, Phoenix, AZ
- East Valley Institute of Technology, Mesa, AZ
- Harrah's Ak-Chin Hotel, Maricopa County, AZ
- Gateway Community College Incubator Building, Phoenix, AZ
- West 6 Curtain Wall Repair, Tempe, AZ
- Gateway Community College Integrated Education Building, Phoenix, AZ
- DPR Phoenix Headquarters, Phoenix, AZ
- Joint Courts Complex, Court Tower Phase 1, Tucson, AZ
- UMB Bank, Scottsdale, AZ
- Gilbert Arizona Tempe, Gilbert, AZ
- CyrusOne Data Center, Chandler, AZ
- Banner Estrella Medical Center Expansion, Phoenix, AZ
- Maricopa City Hall, Maricopa County, AZ
- Arizona State University Block 12, Tempe, AZ
- Vee Quiva Hotel and Casino Expansion, Laveen, AZ
- Banner MD Anderson Cancer Center, Gilbert, AZ
- University of Arizona Cancer Center, Phoenix, AZ
- Northern Arizona University Science & Health Building, Flagstaff, AZ
- Chandler-Gilbert Community College Coyote Center, Chandler, AZ
- Intel Annex Vestibule, Chandler, AZ
- Skysong Plaza III, Scottsdale, AZ
- CyrusOne Pheonix Phase II Building 4, Chandler, AZ
- Saint Xavier University, Gilbert, AZ
- Biosciences Partnership Building, Phoenix, AZ
- Scattergood Unit 3, Las Angeles, CA
- Rivulon, Gilbert, AZ
- Northern Arizona University Student and Academic Services Building, Flagstaff, AZ
- Yuma Regional Medical Center, Yuma, AZ
- Skysong Plaza IV, Scottsdale, AZ
- Arizona State University Student Housing, Tempe, AZ
- Banner University Medical Center, Tucson, AZ
- McKinney San Tan Office Building, Chandler, AZ
- Banner University Medical Center, Phoenix, AZ
- CyrusOne Building 5 Data Hall 55 TI, Chandler, AZ
- Arizona State University Student Pavilion, Tempe, AZ
- Honor Health Scottsdale Osborn Medical Center Tower Improvements, Scottsdale, AZ
- Lifeway Corporate Headquarters, Nashville, TN
- Arizona State University Bio-design Institute Building C, Tempe, AZ

In addition, I have designed many storefronts for clients in AZ, CA, NV, WA, OR, HI & NY. Tesla, Microsoft, Coach, Disney, Ermenegildo Zegna, Topshop Topman, Lindt, Celine, Primark, Brook 35 & West, Dolce & Gabbana, J. Jill, Stuart Weitzman, IMAX, Phoenix Theater, Prada, Burberry, ABC Stores and Chapel Hats. Several storefront designs have included glass fin / beam analysis.

**RETAIL / COMMERCIAL OFFICE:**

- Harvest Family Church, Casa Grande, AZ
- Rhodes Jr. High Pool Renovation, Mesa, AZ
- Bondurant Superkart School, Phoenix, AZ

**RETAIL / COMMERCIAL OFFICE (CONT'D):**

- KOA Facility, Williams, AZ
- Military Operations on Urban Training Facility, Florence, AZ
- Pratte Hanger, Chandler, AZ
- Willet Residence, Park City, UT
- Northern Hills Community Church, Phoenix, AZ
- Sprouts, Centennial, CO
- Di-Matrix Manufacturing Facility Renovation, Phoenix, AZ
- Basha's Center Rehabilitation, Fountain Hills, AZ
- SMIL Mountain View 3T MRI Renovation, Scottsdale, AZ
- El Super, Tucson, AZ

**SPECIAL INSPECTION EXPERIENCE:**

- El Super, Tucson, AZ - Currently under construction - Structural masonry
- Mennucci Residence, Maricopa County, AZ – Complete – Helical pier foundation stabilization
- Rhodes Jr. High School Pool Renovation, Mesa, AZ – Complete – Structural masonry and welding
- Harvest Family Church, Casa Grande, AZ – Currently under construction - Structural masonry and bolts placed in concrete
- Quemetco Metals, Inc., Casa Grande, AZ – Completed - Structural concrete and welding
- Pratte Hanger, Chandler, AZ – Completed – Structural welding

In addition to the above, I have performed many other epoxy / anchor bolt installations, field welding, masonry grout placement and reinforcement and concrete placement and reinforcement special inspections.

**FORENSIC STUDIES AND FAILURE INVESTIGATIONS:**

Provided structural damage assessments and repairs for tree and vehicle impacts, fire and water restoration, broken/cut roof trusses, pool cracking and concrete tilt panel wall cracking at various locations in Arizona for a variety of insurance companies and private home and building owners.

2006 TO 2007: BEACON ENGINEERING, LLC.

Queen Creek, AZ (Structural Design Engineer/ Owner)

- Design and analysis of custom residential structures of timber, concrete, masonry and steel building materials
- Post-tension foundation design
- Construction inspections and site observations

2001 TO 2006: JORDAN ENGINEERING GROUP, LLC.

Phoenix, AZ (Design Engineer In-Training/ Project Manager) – Main Clients - Fulton Homes and Trend Homes

- Design and analysis of tract residential structures of timber, concrete, and steel building materials
- Post-tension foundation design
- Construction inspections and site observations

**PROFESSIONAL REGISTRATIONS:**

- Arizona Civil Engineer – No. 43826
- Arizona Structural Engineer – No. 58912

**PROFESSIONAL ASSOCIATIONS:**

- American Society of Civil Engineers (ASCE) – Professional Member
- Engineers Without Borders (EWB) – Phoenix Professional Branch – Professional Member, formerly held Secretary Position
- United States Green Building Council (USGBC) – Phoenix Branch
- American Architectural Manufacturers Association (AAMA) – Professional Member

**EDUCATION:**

Mt. San Jacinto Community College

- Associate of Science (Math and Science) – 1998

California State Polytechnic University, Pomona

- Bachelor of Science (Mechanical Engineering) – 2001

**PERSONAL:**

- Married since 2002, two step-children
- Hobbies include:  
Ice and roller hockey, baseball, hiking, biking, camping and sports in general.