

RUBEN MENDOZA, P.E.
STARLING MADISON LOFQUIST, INC.
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CURRICULUM VITAE

Serving since 2013 as a civil engineer with a focus of structural engineering, designing a broad spectrum of projects ranging from small renovations to multi-story buildings.

PROFESSIONAL EXPERIENCE:

2015 TO PRESENT: STARLING MADISON LOFQUIST, INC.
Phoenix, AZ (Structural Designer / Project Engineer / Associate)
Full Service Structural Engineering Firm

PROJECT 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:

SPECIALTY USE:

- VA Hospital, Gilbert, AZ – Rad rooms 1804 & 1808 Equipment Upgrades
- VA Hospital, Phoenix, AZ – RF Room 2223 & MRI Room A2205 Equipment Upgrades
- 24th at Camelback, Phoenix, AZ – Temporary Shoring Frames
- Valley Hospital Medical Center, Las Vegas, NV – Cath Lab #2 & EP Lab Equipment Upgrades
- University Medical Center, Las Vegas, NV – Imaging Rooms #2 & #3 Equipment Upgrades
- ArmorWorks, Chandler AZ – Weld Bay Bridge Crane
- Budget Rent a Car, Chandler, AZ – Tank Foundation
- Praxair, Kingman, AZ – Tank Foundations and Storage Rack designs

In addition, I have designed many vacuum arch canopies for clients in AZ, CA, FL, ID, NV, & TX. Blue Wave Carwash, 4 Sons Carwash, Jacksons Carwash, Clean Freak Carwash, & Cobblestone Carwash.

CURTAIN WALL / STOREFRONT:

- Phoenix Biomedical Campus Biosciences Partnership Building – Phoenix, AZ
- Banner University Medical Center Tucson – Tucson, AZ
- Banner University Medical Center Phoenix – Phoenix, AZ
- Lifeway Headquarters – Nashville, TN
- Northern Arizona University, Annex Building – Flagstaff, AZ

- Colorado State University Transitional Medicine Institute – Fort Collins, CO
- Kaiser Medical Office Building – Irwindale, CA
- Coach Fifth Avenue – New York, NY
- Arizona State University Skysong Plaza 4 – Scottsdale, AZ

RETAIL / COMMERCIAL OFFICE (NEW BUILD):

- Dutch Bros Coffee Shop Grayhawk – Scottsdale, AZ
- Mast Development – Morgan Hill, CA
- D&R Construction – Gilbert, AZ
- SEC Electrical Contractors – Gilbert, AZ

RETAIL / COMMERCIAL OFFICE (TENANT IMPROVEMENT):

- La Ristra, Chandler, AZ – Restaurant conversion and remodel
- Willmeng Construction, Phoenix, AZ – Office expansion
- ACME at Pima Center, Scottsdale, AZ – New mezzanine
- Central Kitchen, Scottsdale, AZ – Restaurant conversion and remodel
- Hayden House Rehabilitation, Tempe, AZ – Rehabilitation of historic building
- Agave De Scottsdale, Scottsdale, AZ – Restaurant remodel
- The Bungalow on Portland, Phoenix, AZ – Restaurant conversion and remodel
- 8300 E. Raintree, Scottsdale, AZ – Removal of 2nd floor and stabilize structure
- Aztec Engineering, Phoenix AZ – 105 Ton HVAC replacement and new screen wall
- Mainsprings at Pima Center Building A & B, Scottsdale, AZ – (2) new mezzanines in each building
- Popeye's, Santa Clara, CA – Remodel
- Popeye's, Gilroy, CA - Remodel
- Nestle La Salle Data Center, Phoenix, AZ – New generator and new electrical room
- The Tech Group, Tempe, AZ – New mezzanine and clean room

In addition, I have designed many custom residential structures and residential modifications for clients in AZ.

SPECIAL INSPECTION EXPERIENCE:

- Central Kitchen, Scottsdale, AZ – Completed – Structural welding & concrete reinforcement
- Agave De Scottsdale, Scottsdale, AZ – Completed – Structural welding & post-installed anchors
- Bruster's Real Ice Cream, Glendale, AZ – Completed – Structural welding
- Dutch Bros Coffee, Glendale, AZ – Completed – Concrete reinforcement
- O'Neil Mechanical Services, Inc. Building Addition, Gilbert, AZ – Completed – Masonry grout
- TJ Maxx / Home Goods, Gilbert, AZ – Completed – Helical pier foundation stabilization

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, and broken/cut roof trusses at various locations in Arizona for a variety of insurance companies and private home and building owners.

2013 TO 2015: ISE, INC.
Phoenix, AZ (Engineer In-Training)

- Provided structural analysis reports of telecommunication structures throughout the United States

- Analyzed various existing building structures for proposed telecommunication equipment loading
- Drafted structural designs conforming to various structural standards, such as IBC, TIA-222-G, etc.
- Performed in-field inspections and prepared inspection reports

PROFESSIONAL REGISTRATIONS:

- Arizona Professional Engineer, Civil – No. 64623

PROFESSIONAL ASSOCIATIONS:

- Structural Engineers of Arizona (SEAoA) – Associate Member

EDUCATION:

Arizona State University; Tempe, Arizona

- Bachelor of Science in Engineering, Civil Engineering - 2013