

STATEMENT OF QUALIFICATIONS

2024-2025

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Company Introduction

Based in the heart of the greater Palm Springs area, RA Structural Engineering, Inc. is a Civil and Structural Consulting and Design Firm that has been delivering innovative, cost-effective engineering solutions for mixed-use, commercial buildings, site development and single/multi-family custom made residential projects since 2010.

Backed by extensive subject matter knowledge and experience, our team leverages its skillset and the latest technologies to offer experiences that are agile, personal, and suitable to each one of our clients.

Californian License

Services Offered

1. Structural Plan Checking: We have over 20 years of experience in structural plan checking. We help to verify project compliance with acceptable engineering practices, technical codes, and city, state, and federal ordinances and regulations, such as accessibility, building, electrical, energy, fire, plumbing, mechanical, and safety requirements. We currently have a contract with the City of Indian Wells as a plan check consultant for structural plans. We offer the following plan checks:
 - New Commercial & Residential
 - Mixed-Use
 - Tenant Improvements
 - Pre-submittal Reviews
 - Engineered Site Plan Review
 - Geotechnical Review
 - Specialty
 - Solar Panel Installation Design

2. Foundation Analysis & Design: We provide analysis of site conditions and foundations, and design of foundation systems based on careful consideration of seismic design criteria; subgrade susceptibility to expansion, shrinkage, and movement; stability of slopes and engineered structural systems; and other related factors.

Some examples of Foundation Design:

- Deep Foundation
- Mat Foundation
- Grade Beams
- Conventional Pad & Footing System
- Post-Tensioned Slab on Grade & Cassion

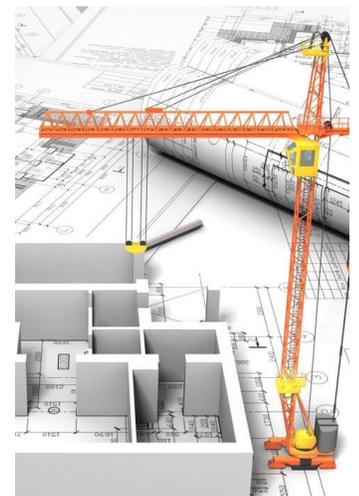
3. Site Infrastructure Analysis & Design: We are experienced in the analysis and design of:

- Mechanically Stabilized Earth (MSE)
- Headwalls
- Retaining Walls

4. Site Visit/Inspection Services:

Scenarios:

- Site Observations during construction
- Third Party Site Observations
- Existing Structural Evaluation and Retrofit
- Solar Panel Installation Design



5. Structural Analysis & Design: We provide analysis of construction materials, and design of structural components that resist vertical and lateral forces, such as gravity, wind, and seismic loads. Leveraging our expertise in structural conditions, stresses and intensities, and design code, we make sure our clients' structures can withstand projected loads during their intended life.

Materials:

- Concrete
- Masonry
- Post-Tensioned Concrete
- Steel
- Timber/Wood

Structures:

- Beams
- Columns
- Connections
- Floor members
- Walls

Construction Types:

- Custom Homes
- Commercial Buildings
- Mixed-Use Buildings
- Single/Multi-Family Residences
- Landscape Gazebos
- Indoor & Outdoor Renovation

Structure Types:

- Conventional & Post-Tensioned Podium Slabs
- Reinforced Concrete
- Reinforced Masonry
- Light Gauge Steel (Cold Form Steel)
- Timber Frame
- Tilt-up

6. Price Structure: To provide our clients with reliable quotes and peace of mind, we calculate most of our estimates based on square footage rather than an hourly rate.

7. Paperless Documents: Leveraging today's collaborative and information-sharing technology in our daily work is just one way we provide efficiency to our clients. In addition to cloud computing, special and custom applications, and video conferencing, we also employ the following methods to optimize our processes:
- Client Cloud Access & FTP Portal: Provides real-time access to plans progressions.
 - Paperless Construction Documents: Reduces amount of documentation and increases on-site mobility (i.e., tablets) and accuracy.
 - Electronic Documentation & Cloud Storage: Convenient access to our calculations, drawings, and records.
 - Electronic Invoicing: Hassle-free cost tracking.

Team Members

Reza Asgharpour, P.E.

Principal & President

(Licensed by the State Board of Professional Engineers & Land Surveyors-C67613)

Reza has more than 33 years of experience in the construction and design industry, serving 10 of those years with the *California Building and Safety Department*. His design projects include work on residential, commercial, and industrial buildings; recreational facilities; clinics and hospitals; airports and military structures; and public works projects. In 2013, Reza received the *Honor Award for Residential Design* from the *Concrete Masonry Association of California and Nevada*. He often provides expert reviews and code implementation to developing engineers and is a respected professional among the community of young engineers. Reza holds a B.S. in *Civil Engineering* from *Shiraz University* in Iran.

Diego Baltazar, E.I.T.

Senior Design Engineer

With more than 12 years of experience in the structural analysis and design of residential and commercial projects, Diego is knowledgeable in new construction, remodels, and additions for both commercial and residential projects. He has a deep understanding of wood, steel, masonry, and concrete structure design and detailing, and strives to provide efficient, cost-effective design for our clients. Diego received his B.S. in *Structural Engineering* from the *University of California, San Diego*.

Negin Asgharpour, BS

Business Administration & CAD Drafter

With over six years of experience in managing an employee workforce, Negin offers a blend of leadership, vision, and knowledge. She completed a Bachelor of Science in Neuroscience and after graduation, she went into the family business of structural engineering. Negin began working as a CAD drafter and completed an associate degree in accounting and business Management.

Krishna Casangan, E.I.T.

Structural Associate

Krishna is an entry-level structural associate, graduated from Technological Institute of the Philippines - Manila with a bachelor's degree in civil engineering. He has 1 years' experience in pre-cast quality assurance engineering.

Certificate of Liability

Available upon request.

Conditions of Contract

1. Documents/Specifications/Drawings/Revisions, etc., cannot be reused in any form or fashion without written permission from RA Structural Engineering Inc.
2. This agreement may be terminated by either party upon written notice should there be substantial nonperformance by a party to this agreement. In the event of termination due to the fault of the client, RA Structural Engineering, Inc. will be paid for all services rendered to the date of termination.
3. Should the owner place a stop order or cancellation on the project, RA Structural Engineering shall be notified immediately by written notice and the owner agrees to pay for the percentage completed. RA Structural Engineering, Inc. will submit plans indicating design progress.
4. If the project is suspended for more than three months or abandoned in whole or in part, RA Structural Engineering, Inc. will be paid compensation for services performed together with reimbursable expenses then due.
5. RA Structural Engineering, Inc. has the right to stop work, withhold documents or terminate the contract without penalty if the client does not pay on a timely basis or end the project due to circumstances beyond the control of RA Structural Engineering, Inc.
6. RA Structural Engineering, Inc. will be absolved from responsibility due to project delays caused by other contractors, etc. or circumstances beyond the control of RA Structural Engineering.
7. Quoted fees are subject to change after six (6) months of this agreement.
8. This agreement is subject to the laws of California. Any controversy or claim arising out of or relating to this agreement, or the breach thereof, will be settled by arbitration in accordance with the rules of the American Arbitration Association, and judgment by the arbitrator

may be entered in any court having jurisdiction thereof. Any demand for settlement of a controversy or claim will be made within a reasonable time.

9. This agreement is subject to the laws of California. Should either party, to satisfy the terms of this agreement incur costs, the prevailing party shall be entitled to reasonable reimbursement, including attorney fees.

References

Available upon request.

Sample Project List



Project Name: The Thermal Club
Architect: Nick Fullerton Architects

Foundation and structural design of seven facilities for one of the most premier private motorsports clubs and race circuits in the world—scope includes private garage, tuning shop, Fuel Island, guard house, and two custom made residences.



Project Name: Shadow Lake Estates
Designer: Studio Linea Design

Structural analysis and design of custom-made home in Indio, CA including living area, garage, patio, deck, and entry tower—built with wood studs, manufacture trusses, and conventional slab on grade. Grossing more than 10,000 sq. ft.





Project Name: The Reserve

Designer: Studio Linea Design

Structural analysis and design of custom residence in Indian Wells, CA including living area, garage, and patio—built with wood studs, manufacture trusses, and conventional slab on grade. Grossing more than 7,500 sq. ft.



Project Name: F-5 Project

Architect: Studio AR&D Architects, INC.

Custom home design featuring wood studs, concrete, and masonry walls, conventional roof, and conventional slab on grade. Project awarded the 2013 Concrete Masonry Design Award—Residential Design by the Concrete Masonry Association of California and Nevada.





Project Name: Desert Palisades
Architect: Studio AR&D Architects, INC. (Sean Lockyer)

Combination wood, concrete, and steel structural design featuring conventional roof frame, conventional slab on grade, and design footings for guard house.



Project Name: Cultivation Facility for DHS Properties Investment, LLC
Designer: Juan Carolos Ochoa, Architect

Two-story structure built with wood stud wall, manufactured roof and floor trusses, and conventional slab-on-grade. Grossing 30,776 sq. ft., (15,388 sq. ft. per floor).



Project Name: The Hideaway Custom Home
Designer: Fedderly & Associates

Two-story structure built with wood stud wall, manufactured roof, and conventional slab-on-grade. Grossing 7,921 sq. ft., total living area.



Project Name: The Hideaway Custom Home
Designer: Fedderly & Associates

Single story custom structure built with wood stud wall, manufactured roof, and conventional slab-on-grade. Grossing 5,200 sq. ft., total living area.

Representative Project List

The following is a representative list of the type of projects we have done in the past: (We have done more than 1,800 different projects from 2010 to present).

1. **Eisenhower Medical Center**/Rancho Mirage, CA/Shade Structures/
2. **CV Ice Company**/Indio, CA/Remodeling/
3. **Police Station**/Architect: Pearson Architect/Desert Hot Springs, CA/
4. **ACE Hotel**/Architect: O2 Architecture/Palm Springs, CA/Remodeling/
5. **Hyatt Hotel**/Indian Wells, CA/Remodeling/
6. **Palm Springs Art Museum**/Palm Springs, CA./
7. **Ferguson Residence**/Custom Home/Architect: Studio AR&D Architects, Inc. (Sean Lockyer)/Indian Wells, CA/
8. **Madison Club Villas**/Multi-Family/La Quinta, CA/
9. **Holiday Inn**/Remodeling/Palm Springs, CA./
10. **The 500 Building**/Palm Springs, CA./
11. **Hilton Hotel**/Palm Springs, CA/Remodeling/
12. **Indian Canyon Golf Resort**/Palm Springs, CA/Remodeling/
13. **Terra Vita**/Architect: James Cioffi Architect/Multi-Family Condominiums/Palm Springs, CA/
14. **Lake La Quinta Inn**/D.W. Johnston Construction, Inc./La Quinta, CA/Remodeling/
15. **Stroke Recovery Center**/Palm Springs, CA/Sean Lockyer AR+D/
16. **Chapman Residence**/Mendoza Design/ La Quinta, CA/
17. **Huling Residence**/ Stillwell Hanson Architects/ Indian Wells, CA./
18. **Pisco - Lot 54C**/ Mendoza Design/ La Quinta, CA/
19. **Zimmer Residence Shadow Lake Lot 3**/ Desert Alliance/ Indio, CA/
20. **Tower Market**/ Southwest Concept/ La Quinta, CA/
21. **Abel Residence**/ Helton Defords & Associates/ La Quinta, CA/
22. **Hill Residence**/ Desert Alliance/ La Quinta, CA/
23. **Kabat Residence**/ David Olson/ Indian Wells, CA/
24. **The Lamperti Residence - Lot 309**/La Quinta, CA/
25. **James Residence, Lot 20 Shadow Lakes**/Indio, CA/
26. **Huffman Residence - Lot 276 Hideaway**/ StractsInc/ La Quinta, CA/

27. **Frerichs Residence**/ Holden & Johnson Architects/ Rancho Mirage, CA/
28. **Barsanti Residence**/Andrzej Weber/ Indian Wells, CA/
29. **Renova Solar**/Solar Parking Structure/Thousand Palms, CA./
30. **Morningside Clubhouse**/Pearson Architect/Remodeling/Rancho Mirage, CA./
31. **Eldorado Country Club Clubhouse**/Pearson Architect/Remodeling/Indian Wells, CA/
32. **La Quinta Wellness Center**/Pearson Architect/Addition and Remodeling/La Quinta, CA/
33. **Indian Canyon Multi-Family Residence**/16-unit/two-story/Architect: Booth Hansen/Palm Springs, CA
34. **Habitat Apartment**/ 4-story wood structure over concrete podium/40-unit/Architect: Bijan Afraa (International Design Management/San Diego, CA
35. **Cornelia White house**/Retrofit Historical Building/Palm Springs, CA
36. **Palm Springs Safe Access**/Commercial Foundation Design/ Palm Springs, CA
37. **Habitat For Humanity**/Residential Custom Home/Indio, CA
38. **Thermal Club Villa**/Designer: Phantom Development/Custom Home & Exhibition/Thermal, CA
39. **The Vintage Club**/Designer: Phantom Development/Custom Home/Rancho Mirage, CA
40. **Hermosa Place**/Architect: John Walsh Architect/Custom Home/Palm Springs, CA
41. **Two Bunch Palms**/John Walsh Architect/Commercial Cultivation Facility/Desert Hot Springs, Ca
42. **Bighorn Canyons**/Custom Home/Designer: Fedderly & Associates/Palm Desert, CA
43. **The VIBE**/GHA Companies (Mario Gonzales)/72 new single-story track homes/Palm Springs, Ca
44. **Praxair Tank**/Lawson Concrete/Commercial Equipment Foundation/Indio, Ca
45. **Spotlight 29 Casino**/Gatt Construction & Painting, Inc./Commercial Steel Structural Design @ Bar Area/Coachella, Ca
46. **City of La Quinta**/City of La Quinta Building Department/Ten different sculptures support designs/La Quinta, Ca
47. **Bickford Residence**/Longley Stables, LLC. /Custom Home/Thermal Club Villa/Thermal, Ca
48. **Madison Club Lots**/Different Architects/Custom Homes/La Quinta, CA
49. **Bighorn Horn Lots**/Different Architects/Custom Homes/Palm Desert, CA

50. Porsche Dealer Launch Event/Access/temporary structures inside and outside of Ritz Carlton/Rancho Mirage, CA