

CURRICULUM VITAE

Scott Jacobs, P.E.
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PERSONAL BACKGROUND

Date of Birth	2-13-66
Married	4 children
Civil and Structural Engineering	
Time in the Construction Industry	20+ years
Boy Scouts of America	Eagle Scout
Boy Scout Leader	1986 – 2015
Youth Football Coach	2004 – 2017
Served as Full-Time Missionary for LDS Church	1984 - 1986

EDUCATION

Brigham Young University Provo, Utah	Masters Degree Civil/Structural Engineering <i>“Large Diameter Low-Profile Air Forms Using Cable Net Support Systems for Concrete Domes.”</i> (Thesis) Research presented by Dr. Arnold Wilson at the 1996 World Concrete Congress in San Francisco Research also published by Dr. Arnold Wilson
Brigham Young University Provo, Utah	Bachelors Degree Civil/Environmental Engineering
Utah Valley Technical College Orem, Utah	Technical Drafting

LICENSES*

Nevada	14297
California	C60019

PROFESSIONAL AFFILIATIONS (not all currently active)

American Institute of Architects	(AIA)
American Concrete Institute	(ACI)
American Society of Civil Engineers	(ASCE)
Structural Engineering Institute	(SEI)
American Institute of Steel Construction	(AISC)
Structural Engineering Association of Southern Nevada	(SEASoN)
Light Gauge Steel Engineers Association	(LGSEA)
Industrial Fabrics Association International	(IFAI)
Brigham Young University Management Society	(BYUMS)
Young Entrepreneurs Organization	(YEO)

PROFESSIONAL WORK EXPERIENCE

DCG Engineering Senior Engineer	5/15 - Current
DS Group, LLC (Civil/Structural Engineer Expert)	12/10 - 5/15
JCI Engineering, Inc./S2 Engineering Senior Engineer	5/01 - 5/10
Wright Structural Engineers Senior Engineer	7/00 - 5/01

CS Consulting Engineers Assistant Structural Manager	9/97 – 7/00
J.M. Williams and Associates Staff Engineer	4/95 – 9/97
Bookman-Edmonston Engineering Engineering Technician	5/92 – 4/95
IVY Construction Assistant Site Project Manager	3/91 – 5/92
VIDA Construction Superintendent	2/89 – 3/91

PROFESSIONAL HIGHLIGHTS

Ellis Island Beer Garden
Las Vegas, Nevada

Dr. Miriam and Sheldon G. Adelson School
Summerlin, Nevada

- Design development and construction documents; 187,770 square foot private school
- School was designed and constructed of masonry, structural steel framing and steel joists with a complicated architectural geometry

Marriot Spring Hill Suites
Las Vegas, Nevada

- Design development and construction documents; 52,465 square foot - four story hotel
- Project was constructed of engineered wood products over a slab on grade foundation

Hilton Garden Inn
Las Vegas, Nevada

- Four Story Addition
- Constructed of up to four stories of wood framing over a slab on grade foundation

PROFESSIONAL HIGHLIGHTS (Cont.)

The total area added was 19,100 square feet

- Complicated design incorporating a great deal of coordination with the contractor so that the added portion of the building worked structurally and architecturally with the existing structure

Santee Fire Station San Diego County, California

- 12,000 square foot Fire House
- Primary superstructure was constructed of light gauge steel braced frame walls and roof, with complex geometries all connected together
- Analysis was an extremely complicated 3-d model
- Required coordination with San Diego County Fire Department throughout project

Las Vegas Athletic Club Las Vegas, Nevada

- 80,000 square foot – Two Story Athletic Club
- Constructed of masonry and structural steel
- Club has a complex track feature which protruded from the exterior surface of the building as an architectural feature
- This was the last of three clubs designed within the Las Vegas Valley

All Star Batch Plant Las Vegas, Nevada

- 85 foot tall structure used by a concrete ready mix company for preparing the mix and loading the trucks for delivery of concrete
- Structure was designed in a 3-d digital model due to the complex nature of the structure

PROFESSIONAL HIGHLIGHTS (Cont.)

Bianimale Museum

Pier 54, New York City, New York

- 45,000 square foot single story museum structure
- Designed and constructed of alternate materials, including:
 - Steel shipping containers
 - Sono-tubes (typically used as concrete forms above grade) as columns
 - Aluminum roof joists
 - Fabric roof covering

El Centro Air Force Base tarmac shade structures

El Centro, California

- Existing Fabric shade structures failed
- Performed forensic analysis to pin-point the cause of failure
- Re-design was completed to meet all induced loading requirements
- Steel frame structures with fabric covering

Storage One facilities

Clark County, Nevada

- Light gauge steel shear walls and tension only roof structure with concrete over deck floors
- Several 100,000 square feet of structures all designed and constructed with highly coordinated and precise light gauge construction

Siena Medical Park Offices

Henderson, Nevada

- Three-story steel framed medical offices
- Moment frame and braced frame construction to maximize the architectural features and minimize the cost
- Floor systems were constructed with concrete over light gauge steel pan deck

PROFESSIONAL HIGHLIGHTS (Cont.)

Loft 5 Apartments Las Vegas, Nevada

- Eight (8) five-story residential apartment buildings with loft style floor plans
- Project was designed and constructed of wood framing over a concrete cast in place parking garage

Arizona Charlie's East Parking Garage Las Vegas, Nevada

- Forensics site investigation
- Review of existing pre-cast concrete parking garage due to excessive cracking
- Design repair recommendations documented for the fix of cracking issues
- Report and document findings and recommendations

Stratosphere Third Phase Hotel Tower Las Vegas, Nevada

After sitting incomplete at only 4 or 5 stories high for 3 years plus, tower construction restarted. All components exposed to the elements were reviewed and retrofitted as required. On-site inspections were completed, logged and reported to the city prior to commencement of construction. All aspects of the tower were reviewed. Many items were upgraded and retrofitted, including; concrete shear walls, concrete columns, shear caps, and post-tensioned concrete decks. On the existing portion of the structure, over 100 post-tensioned slab issues were found, tracked, and repaired under direct field supervision. As these changes were made, and the new structure was constructed, coordination between the structural engineer, the architect of record, and construction personnel was accomplished on a daily basis through completion of the project.