



## James Barnard

PE

### Senior Project Manager

#### Department

Engineering Services

**Tel:** (801) 690-5821

**Email:** james.barnard@yaeservices.com

#### Locations

Salt Lake City, UT

## Biography

James is a Senior Project Engineer with over 20 years of construction and engineering experience including structural design for buildings using the fundamental construction materials such as wood, steel, metal, concrete, and masonry. He has researched, developed and created company standards for forensic evaluation of building materials and systems, structural engineering design, and structural construction documents for various materials and quality assurance/control standards. He has managed the construction of numerous building materials including unique structural steel systems, specialty reinforced concrete systems (above and below grade), and various building envelope components specific to air, water, heat, and noise transfer while ensuring that construction and material standards were met for multiple sized projects.

## Credentials

- PE | Professional Engineer

## Representative Consulting Assignments

- Structural Steel Warehouse | Iowa | Construction Defect | Structural Steel Collapse Construction Defect Evaluation | \$2M
- Apartment Development | Utah | Construction Defect | Fiber Cement Board Siding, Wood Framing, HVAC Construction Defect Evaluation | \$1M
- Swimming Pool | Utah | Construction Defect | Pool Structural and Plaster Construction Defect Evaluation | \$100k
- Apartment Development | Utah | Construction Defect | Building Envelope Construction Defect Evaluation | \$8M
- Wood, Steel and Concrete Structures | Various Locations | Fire/Smoke | Forensic Investigation and Evaluation of Cause and Extent of Damage | Various Costs
- Wood, Steel and Concrete Structures | Various Locations | Earthquake | Forensic Investigation and Evaluation of Cause and Extent of Damage | Various Costs
- Custom Residences | Various Locations | Construction Defect | Roofing, Siding, Foundation, Soils, Plumbing Leak, and/o Site Drainage Construction Defect Evaluations | Various Costs
- Natatorium | Wyoming | Construction Defect | Building Envelope and Moisture Exposure Construction Defect Evaluation | \$1M
- Single Family Development | Construction Defect | Stucco and Window Construction Defect Evaluation | \$1M
- Townhome Development | Colorado | Construction Defect | Building Envelope and Site Construction Defect Evaluation | \$10M

## Professional Experience

- 2021 - Current | Senior Project Manager | YA Engineering Services
- 2013 - 2021 | Senior Project Engineer | Envista Forensics
- 2011 - 2013 | Structural Quality Control Manager | Okland Construction

- 2007 - 2011 | Design Engineer (Structural) | BHB Structural
- 2005 - 2007 | Design Engineer (Structural) | Ensign Engineering and Land Surveying
- 2004 - 2005 | Owner | J&B Concrete Specialties
- 1996 - 2004 | Concrete Foreman | Ryan Green Construction, Blair Green Construction

## Area of Practice

- Building Code Upgrade Review
- Building Envelope
- Condition Assessment
- Damage Assessment
- Earthquake Engineering
- Failure Analysis
- Repair Cost Estimating
- Roofing
- Structural Analysis
- Water Leakage Testing and Analysis

## Education

- Utah State University - Bachelor of Science - Civil Engineering - Logan - Utah
- Weber State University - Master of Business Administration - Business Administration - Ogden - Utah
- Utah State University - Master of Science - Structural Engineering - Logan - Utah

## Licenses

- PE.0048192 - Colorado - Professional Engineer (Civil and Structural)
- 95276 - Florida - Professional Engineer (Civil and Structural)
- 15839 - Idaho - Professional Engineer (Civil and Structural)
- 41448 - Louisiana - Professional Engineer (Civil and Structural)
- 40675 - Montana - Professional Engineer (Civil and Structural)
- 24451 - Nevada - Professional Engineer (Civil and Structural)
- 23434 - New Mexico - Professional Engineer (Civil and Structural)
- 119807 - Texas - Professional Engineer (Civil and Structural)
- 5561938-2202 - Utah - Professional Engineer (Civil and Structural)
- 14361 - Wyoming - Professional Engineer (Civil and Structural)