

# Coffman Experience

## STRUCTURAL ENGINEERING



**From forensic investigations to calculations, drawing, and specifications for new buildings, and from seismic engineering to sculptural installations, our structural team has the experience and advanced technological tools to create structurally sound and cost-effective design solutions.**

Experience: creative ideas and practical designs using the latest technology are applied to projects utilizing steel, concrete, masonry, and wood as building materials. Our structural engineers are able to offer two- and three-dimensional structural analysis under both static and dynamic loading, through the use of specialized computer software, that is tempered with talented and seasoned engineering judgment.



Track Record: our long-term relationship with our clients is indicative of our record of consistent, high quality, and responsive service. One example is that we've cultivated a relationship with Nordstrom and completed every project for them over the past twenty years. We collaborate with owners, architects, contractors, building officials, and other consultants, providing elegant, safe, and cost-effective systems tailored to the unique project requirements.

### Capabilities:

#### Building Types

Above/Below-Grade Parking Structures  
Civic/Public Assembly Buildings  
Commercial/Office Buildings  
Correctional Facilities  
Educational Facilities  
Gymnasiums/Recreational Facilities  
Hangars  
Historic Structures  
Hospitals  
Industrial Structures  
Laboratories  
Low-, Medium-, High-rise Buildings  
Military Facilities  
Multi-family Housing/Dormitories  
Places of Worship  
Precast/Prestressed Structures  
Single Family Residences  
Zoo Facilities

#### Additional Services

Condition Assessments/On-Site Investigations  
Construction Support/Observation  
Construction Plans/Specs & Cost Estimates  
Forensic/Failure Analysis and Investigation  
Preparation of Design Criteria  
Renovation/Rehabilitation/Repairs  
Seismic Studies/Evaluations & Rehabilitation  
Structural Plan Reviews  
Third-Party Coordination  
Specialty Structures  
Bridge & Gantry Crane Systems  
Fall Protection Systems  
Foundation/Excavation Shoring Systems  
Heavy Lifting & Rigging Systems  
Material Handling & Conveyance Systems  
OSHA Platforms/Stairs/Ladders  
Sculptural Installations  
Underground Vaults & Storage Tanks

