PERSONNEL QUALIFICATIONS

Dale Statler | Senior Associate

EDUCATION

- Bucknell University
  - Bachelor of Science, Civil Engineering, 2010
  - Bachelor of Management, 2010
- Lehigh University
  - Master of Engineering, Structural Engineering, 2011

PRACTICE AREAS

- Structural Analysis
- Structural Evaluation and Testing
- Repair and Rehabilitation
- Failure Investigation
- Structural Design
- Peer Review

REGISTRATIONS

- NHI Course 130078 - Fracture Critical Inspection Techniques of Steel Bridges
- Professional Engineer in CO and WY

PROFESSIONAL AFFILIATIONS

- American Society of Civil Engineers
- Structural Engineers Association of Colorado

CONTACT

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EXPERIENCE

Dale Statler has broad experience in structural systems with an emphasis on building structures. Since joining WJE, Mr. Statler has worked on a wide range of projects involving design, investigation, analysis, evaluation, testing, strengthening, and repair.

Mr. Statler has expertise in the analysis and design of steel, concrete, aluminum, and wood structures. He has a strong background in the stability of metal building systems and the evaluation of unique loading applications, such as blast pressures, hydrostatic water, and grain storage.

REPRESENTATIVE PROJECTS

Structural Analysis

- Dairy Building Collapse - Morris, MN: Finite element analysis of built-up tapered-web girders to assess the as-built flexural buckling strength under snow loads
- Corn Storage Building - Union City, TN: Analysis and evaluation of metal building system for lateral pressures from stored grain
- Mixed-Use High-Rise - Las Vegas, NV: Development and review of analytical tools to assess axial force, biaxial moment, and shear in allegedly defective concrete construction

Structural Evaluation and Testing

- Multiple Buildings - Longmont, CO: Field investigation of metal building systems and analysis for new loads from reroofing; design and field observation of repairs
- National Historic Landmark Building - CO: Instrumentation and monitoring of strain, temperature, pressure, and acceleration to evaluate structural performance and inform rehabilitation design
- IH-345 Bridge Inspection - Dallas, TX: Fracture critical inspection of steel bridge
- Einstein Medical Center - East Norriton, PA: Floor vibration testing and evaluation
- Steinway Tunnel - New York, NY: Ultrasonic thickness testing of circa one hundred-year-old cast iron tunnel walls
- Port of Long Beach - Long Beach, CA: Instrumentation of precast concrete piling for strain and water pressure during driving operations

Repair and Rehabilitation

- YMCA of the Rockies - Estes Park, CO: Evaluation and repair design to strengthen structural steel, glulam, cold-formed steel, and masonry elements
- Colorado State University Fort Collins, Lory Student Center: Design and field observation of FRP strengthening to concrete gravity and lateral systems
- Retail and Warehouse Buildings - Nationwide: Field documentation and repair of damaged steel joist and joist girder roof framing systems

Failure Investigation

- First Baptist Church - Craig, CO: Investigation of damaged metal plate connected wood four-piece scissor truss sanctuary roof
- Roof Collapse - Bethel, CT: Analysis of metal building for snow loads that led to a partial collapse
- EMM Realty Building - Vernal, UT: Investigation of metal building damaged by a propane gas explosion
- Sierra High School - Colorado Springs, CO: Collapse investigation of a 130-foot-long glass and aluminum skylight
- One Exchange Place - Jersey City, NJ: Investigation of plaster ceiling collapse

Structural Design

- Las Bambas Mine - Department of Apurimac, Peru: Design of structural steel connections for transfer station tower and four trusses as part of a new overland conveyor belt

Peer Review

- Peak 8 Complex - Breckenridge, CO: Peer review of structural design of two five-story steel-framed structures
- Comcast Tower - Philadelphia, PA: Structural peer review of curtain wall systems for fifty-nine-story high-rise
- 500 Biscayne - Miami, FL: Peer review of structural design of new steel and aluminum cladding support system and anchorages
- Bryant University, Indoor Practice Facility - RI: Peer review of metal building erection plan