

Daniel Seth

Forensic Engineering Expertise

Structural Analysis/Design

Review appropriate documents including project plans and specifications as it relates to the building structure for purposes of analysis. In addition, being a licensed professional engineer, replacement designs are provided upon request. Examples of past work includes evaluation and analysis of existing structures (concrete, steel, wood, masonry), and various building components (windows, doors, glass, roofing, exterior and interior cladding) as well as damage assessment of building structures after a fire.

Inspection and Evaluation of Roofing Systems

This includes steep and low slope roofs as well as various types of roofing materials including both common and unique roofing applications. Past work involved offering opinions and repairs related to installation deficiencies and storm-related damages including hail and wind.

Qualifications & Training

- Engineering Investigations
- OSHA 30-hour Construction Safety and Health Certification, OSHA Training Institute Education Center University of South Florida, January 2020
- Aerial Boom Lift Operator Certification, United Academy, March 2023

Education

Bachelor of Science in Civil Engineering
University of Wyoming, Laramie, WY
May 2011

Licenses & Certifications

PE - Professional Engineer

Licensed by the State of Texas - Number 131432

Licensed by the State of Louisiana- Number 43523

Licensed by the State of Oklahoma- Number 31761

Licensed by the State of Wyoming- Number 15942

Soils Special Inspector – ICC Number 8944799

Certified Weld Inspector – Number 15022691

Employment History

Forensic Engineer

Nederveld, Grand Rapids, MI

2023 - Present

Duties include forensic engineering analysis relating to building pathology, structural damage due to fire, structural damage from vehicle impacts, storm damage (wind, snow, hail), seismic, and water loss events, calculations, and plan of repair design.

Project Manager

Tower Engineering Professionals, Inc., Dallas, TX

2012 - 2023

Duties included reviewing and sealing Engineer for structural modification inspections on communication towers, reviewing and sealing Engineer for TIA-222-H inspections on communication towers, inspecting and mapping broadcast and cellular towers for structural analysis, preparing structural mapping reports for major

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clients with the use of AutoCAD, gathering preliminary data for structural modifications of existing towers, supervised 12+ employees and directed crews on week-to-week tasks.

Staff Engineer

Hayes Consulting Company, Greenwood Village, CO

2012-2012

Duties included experience with geotechnical field exploration including: completion of boring logs and collection of soil samples, use of AutoCAD and Revit to draw structural repair plans and boring logs, prepared and wrote geotechnical and structural reports including preliminary repair reports, compliance reports, and geotechnical field reports, structural observation of foundation repair including: placement of helical piers and micro-piles, experience with geotechnical instruments including inclinometers and piezometers.

Construction Materials Technician

Ground Engineering Consultants, Casper, WY

2012-2012

Duties included performing concrete and soils testing in the field, processing soil samples in the lab including running a standard proctor, atterberg limits, swell, moisture density, and unconfined compression tests, working with the contractor to achieve the results required under given specifications.

Equipment Operator

Ricor Investments, LLC, Casper, WY

2006-2012

Duties included excavating and backfilled foundations on Residential and Commercial Projects, installing environmental barriers to satisfy DEQ standards, reading and using printed plans, knowledge of the construction industry and how projects flow and are finished.