

**ENGINEER: CIVIL/STRUCTURAL**

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**EDUCATION:**

- 2017 M.S., Civil Engineering – Structural Focus  
Ohio University, Athens, Ohio
- 2004 B.S., Civil Engineering – Structural Focus  
Pennsylvania State University, University Park, Pennsylvania

**EXPERIENCE:**

March 2015 **Engineering Design & Testing Corp.**  
to Present **Denver, Colorado**

Consulting Engineer, District Engineering Manager. Specialized consulting, with an emphasis on root cause, scope and value of damage. Investigations include property damage to residential, commercial, industrial, institutional and government buildings; bridges, and other structures; and investigation of construction site accidents. Origin and cause of damage to structures including wind, hail, flood, fire, ground subsidence, or construction defect. Review of construction plans and schedules to determine root cause of delays.

March 2005 **The Reinforced Earth Company**  
to March 2015 **Denver, Colorado**

Civil Engineer. Engineering design and analysis of mechanically stabilized earth retaining walls (MSE walls) and precast concrete products including copings, traffic barriers, cantilever retaining walls, and sound barriers. Oversight and quality control of designs.

June 2004 **Padezanin Construction Company**  
to January 2005 **Coraopolis, Pennsylvania**

Carpenter/Framer. Framing and roofing of residential single-family and multi-family dwellings.

**CONSULTING EXPERIENCE (PARTIAL):**

**Public Roadway – Vona, Colorado**

Provided engineering opinion regarding cause of concrete cracking and valuation of damage

**Pedestrian Bridge – Aspen, Colorado**

Provided engineering opinion regarding scope of damage and repair options regarding pedestrian bridge impacted by vehicle

**Residential Building – Superior, Colorado**

Provided appraisal services regarding residential structure impacted by hailstones

**Commercial Building – Denver, Colorado**

Provided engineering opinion regarding scope of damage to commercial building from hailstorm

**Residential Building – Ogallala, Nebraska**

Provided engineering opinion regarding residential foundation involved in fire

**Commercial Building – Center, Colorado**

Provided engineering opinion regarding scope of damage to commercial building involved in fire

**Commercial Building – Yellowstone National Park, Wyoming**

Provided engineering opinion regarding cause of moisture intrusion, including delineation of construction defects and design defects

**Public Roadway – Denver, Colorado**

Provided engineering opinion regarding cause of roadway subsidence

**Residential Building – La Junta, Colorado**

Provided engineering opinion regarding cause of roof and exterior wall displacement and cost estimate for repair

**Public Building – Harlowton, Montana**

Provided engineering opinion regarding cause of moisture intrusion, scope of moisture intrusion-related damage, and cost estimate for repair of moisture intrusion-related damage

**Residential Building – Wahiawa, Hawaii**

Provided scope of damage to multi-family residence due to vehicle impact

**Commercial Building - Polson, Montana**

Provided engineering opinion regarding cause of damage and scope of damage to indoor pool within a hotel

**Multi-family Residential Building – Denver, Colorado**

Provided engineering opinion regarding building code compliance of window installation

**CONTINUING EDUCATION:**

ASCE 7-10 Snow Load Provisions, American Society of Civil Engineers, November 2018

Significant Changes to the Wind Load Provisions of ASCE 7-10 and Coordination with the 2015 IBC and 2015 IRC, American Society of Civil Engineers, November 2018

Connection Solutions for Wood Framed Structures, American Society of Civil Engineers, November 2018

The Impact of Design, Construction and Maintenance features on the Long-Term Performance of Pavements, American Society of Civil Engineers, August 2018

The EDT Approach to Design/Construction Defect Investigations, Engineering Design & Testing, Orlando, FL, February 2018

Introduction to Wood Connection Analysis, Engineering Design & Testing, Orlando, FL, February 2018

Metallurgy for the Non-Metallurgist and Its Use in Root Cause/Damage Assessments, Engineering Design & Testing, Orlando, FL, February 2018

Heat, Air, and Moisture Components of Building Envelopes, Engineering Design & Testing, Orlando, FL, February 2018

Colorado Wood Design Symposium, WoodWorks Wood Products Council, Denver, CO, September 2017

Engineering Analysis of Failure: Determination of Cause in a Legal Environment, Engineering Design & Testing, Albuquerque, NM, February 2017

MSE Retaining Walls – Design and Analysis (Presenter), Engineering Design & Testing, Albuquerque, NM, February 2017

Ballast Water Management: Background, Practice and Legislation, Engineering Design & Testing, Albuquerque, NM, February 2017

NFPA 1033 – Questions and Terms to Expect in Testimony, Engineering Design & Testing, Albuquerque, NM, February 2017

“Haag Certified Inspector - Residential and Commercial Roof,” sponsored by Haag Engineering, June 2015

“ASCE 7-10 Snow Load Provisions,” sponsored by ASCE, June 2014

PE Civil – Seismic For California, sponsored by School of PE, February 2014

Western Bridge Engineers’ Seminar, September 2013

Structural Aspects of an MSE wall, conducted by The Reinforced Earth Company, May 2013

Analysis of Soil-Structure Interaction Problems Using LPILE 2012, conducted by Ensoft, Inc., April 2012

Geo-Congress 2012, sponsored by ASCE, March 2012

36<sup>th</sup> Southwest Geotechnical Engineers Conference, April 2011

**PROFESSIONAL ORGANIZATIONS:**

American Society of Civil Engineers (ASCE)

American Wood Council (AWC)

Precast/Prestressed Concrete Institute (PCI)

American Institute of Steel Construction (AISC)

**REGISTRATIONS and CERTIFICATIONS:**

Registered Professional Engineer in Arizona (#54726)

Registered Professional Engineer in California (#83623)

Registered Professional Engineer in Colorado (PE0049808)

Registered Professional Engineer in Georgia (PE035029)

Registered Professional Engineer in Hawaii (#15448-C)

Registered Professional Engineer in Idaho (#16588)

Registered Professional Engineer in Kansas (PE24336)

Registered Professional Engineer in Montana (#45481)

Registered Professional Engineer in Nebraska (E15566)  
Registered Professional Engineer in Nevada (#025639)  
Registered Professional Engineer in New Mexico (#23303)  
Registered Professional Engineer in Oklahoma (27957)  
Registered Professional Engineer in South Dakota (14137)  
Registered Professional Engineer in Utah (#9675749-2202)  
Registered Professional Engineer in Wyoming (14977)

National Council of Examiners for Engineering and Surveying Record (17-343-49)

**Trial Testimony:**

N/A