



## Zachary Stutts

PE, SE

### Senior Project Manager

#### Department

Engineering Services

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#### Locations

Seattle, WA

## Biography

Zack Stutts is a licensed structural engineer with over twelve years of experience in building design and forensics. Mr. Stutts has investigated the failure of buildings and building components due to earthquakes, snow, water, fire, corrosion, and construction/design flaws. He has also designed repairs to address structural damage. Additionally, Mr. Stutts has performed structural engineering design for various office, hotel, and residential buildings, including those up to 60 stories tall. He has also served as an expert witness and provided litigation support for various construction-related disputes.

## Credentials

- PE | Professional Engineer
- SE | Structural Engineer

## Representative Consulting Assignments

- Parking Garage | Renton, WA | Investigation and analysis of post-tensioned slabs with corrosion issues.
- Warehouse Building | Fife, WA | Assessment of fire-affected cast-in-place concrete walls.
- Residential Buildings | Anchorage, AK | Investigation into suspected deflection issues at cantilevered floors of apartment buildings.
- Warehouse Facility | Sumner, WA | Assessment, analysis, and repair design for distressed heavy timber trusses and roof framing members.
- Agricultural Storage Facility | Hood River, OR | Condition assessment, analysis, and repair design for snow-damaged metal plate connected roof trusses.
- Federal Government Facility | Blaine, WA | Analysis of existing steel framed buildings for new loads from renovation.
- Industrial Building | Woodburn, OR | Evaluation of fire-damaged steel industrial building.
- 2018 Alaska Earthquake | Anchorage, AK | Assessment of dozens of properties for earthquake damage, including residential, educational, industrial, and commercial structures.
- Coppins Well | Seattle, WA | Probable Maximum Loss (PML) study for high-rise concrete residential building.
- San Juan County Courthouse | Friday Harbor, WA | Friday Harbor, WA - ASCE 41 Seismic Evaluation of historic courthouse building.
- Office Building | Austin, TX | Analysis of post-tensioned concrete roof slab for additional loads and openings.
- Residential Building | Portland, OR | Analysis of reinforced concrete parking slab for suspected structural deficiencies.
- Office Building | Seattle, WA | Analysis of parking slab for heavy, moving construction loads for removal of generator equipment.
- Medical Building | Edmonds, WA | Repair design for decayed wood posts discovered during building recladding project.
- Residential Building | Atlanta, GA | Analysis and repair design for post-tensioned concrete slab tendon blowout during construction.

- Office Building | Seattle, WA | Evaluation and construction inspections for defective curtain wall anchors.

## Professional Experience

- 2024 - Current | Senior Project Manager | YA Engineering Services
- 2017 - 2024 | Senior Associate | Wiss, Janney, Elstner Associates, Inc.
- 2012 - 2017 | Structural Design Engineer | Magnusson Klemencic Associates

## Publications and Presentations

- 2013 - Clement, C., Stutts, Z., Alqarni A., Fowler, D., Whitney, D., 2013. "Revamping Aggregate Property Requirements for Portland Cement Concrete." The University of Texas at Austin Center for Transportation Research, Austin, TX.

## Education

- The University of Texas at Austin - Master of Science - Structural Engineering - Austin - Texas
- Virginia Tech - Bachelor of Science - Civil Engineering - Blacksburg - Virginia

## Affiliations

- Structural Engineers Association of Washington (SEAW)

## Licenses

- 197959 - Alaska - Structural Engineer
  - 83067 - California - Professional Engineer
  - P-23070 - Idaho - Professional Engineer
  - 56867 - Washington - Professional Engineer (Structural)
  - 100009PE - Oregon - Professional Engineer
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