



EDUCATION

- Purdue University
 - Bachelor of Science, Civil Engineering, 2010
- University of Washington
 - Master of Science, Civil Engineering, 2012

PRACTICE AREAS

- Facade Access
- Failure/Damage Investigation
- Concrete Structures
- Historic Preservation

REGISTRATIONS

- Professional (Civil) Engineer in CA
- Professional Engineer in WA

PROFESSIONAL AFFILIATIONS

- Structural Engineers Association of Washington (SEAW)
- American Society of Civil Engineers (ASCE)

TECHNICAL COMMITTEES

- ASCE - History and Heritage

CONTACT

cbearman@wje.com
206.622.1441
www.wje.com

EXPERIENCE

Cal Bearman develops creative solutions to challenging problems for property managers and owners, including providing immediate assessments of structural systems that have been identified as issues by tenants for a global leader in industrial real estate and warehouse logistics management.

Mr. Bearman leads structural investigations, evaluations, and design projects. He has conducted field inspections, performed code reviews, completed structural analysis using computer software, designed repairs, and overseen construction administration.

Mr. Bearman has worked on projects involving wood, concrete, and steel, and composite structural systems.

Prior to joining WJE, Mr. Bearman worked as a research assistant at the University of Washington. His research involved identifying key damage states in load bearing reinforced concrete columns for post-earthquake evaluation, and developing a suite of special and ordinary moment frames using the OpenSees analysis platform. Mr. Bearman also took part in a five-term co-op program while at Purdue University, where he gained experience in the heavy civil contracting industry working for Traylor Brothers, Inc.

REPRESENTATIVE PROJECTS

Facade Access

- Newport Corporate Center - Bellevue, WA: Evaluation, design, and testing of existing and new permanent facade access equipment for multiple buildings
- Equinox Apartments - Seattle, WA: New design and testing of roof top anchorages for facade access
- Downtown Seattle Public Library - Seattle, WA: In situ load testing of facade access equipment
- Safeco Plaza - Seattle, WA: Evaluation, testing, and inspection of existing building maintenance unit rails
- Plaza 600 - Seattle, WA: Expedited evaluation and testing of existing permanent facade access equipment and roof access plan development

Failure/Damage Investigation

- Okuda Farms, Storage Building - Ontario, OR: Site investigation of roof collapse, structural analysis, and code review
- Industrial Real Estate Properties - Puget Sound Region, WA: Rapid response to wood roof and column damage due to forklift impact and water related decay
- VanOrden Farms, Storage Building - Pingree, ID: Investigation of corrosion related roof collapse, structural analysis, and code review

Concrete Structures

- Market Place Garage - Seattle, WA: Survey of garage concrete and repair scope development
- Safeco Field - Seattle, WA: Investigation and repair documents for deteriorated seating bowl concrete
- Industrial Real Estate Properties - Puget Sound Region, WA: Investigation and repair recommendations for highly distressed concrete tilt-up walls and slab-on-ground

Historic Preservation

- Exchange Building - Seattle, WA: Difficult access cast stone condition survey
- Astoria Column - Astoria, OR: Structural evaluation and repair recommendations during restoration project
- 2nd and Spring - Seattle, WA: Difficult access condition assessment of terra cotta facade
- Alexis Hotel - Seattle, WA: Difficult access condition assessment of masonry facade