



EDUCATION

- Texas A&M University
 - Bachelor of Science, Civil Engineering, 2012
 - Master of Engineering, Civil Engineering, 2014

PRACTICE AREAS

- Repair and Rehabilitation
- Failure/Damage Investigations
- Structural Analysis/Computer Applications
- Structural Testing

REGISTRATIONS

- Professional Engineer in OK and TX

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- Precast Concrete Institute

TECHNICAL COMMITTEES

- PCI - Blast Resistance and Structural Integrity, consulting member
- PCI - FRP Composites, consulting member
- PCI - Prestressing Reinforcement, consulting member

CONTACT

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EXPERIENCE

Colten McCampbell is engaged in the assessment, evaluation, and repair of various concrete, steel, masonry, and wood structures. He possesses expertise with instrumentation setup in the field and laboratory, as well as structural testing. Mr. McCampbell also has experience preparing construction documents for new and existing structures and providing construction period services.

Before joining WJE, Mr. McCampbell was a structural engineering consultant in the petrochemical industry. His work focused on nonlinear analyses and upgrade designs for structures subjected to blast, thermal, and toxic hazards.

REPRESENTATIVE PROJECTS

Repair and Rehabilitation

- Retirement Apartment Building - San Antonio, TX: Structural assessment and repair design of concrete and wood structure and foundation
- Food Processing Facility - Portsmouth, NH: Structural assessment and strengthening design of precast concrete roof structure
- Church Bell Tower and Steeple - San Antonio, TX: Structural assessment and repair design of wooden floor and steeple of historic church

Failure/Damage Investigations

- Restaurant Building - Dallas, TX: Investigation into the failure of wood truss roof after rain event
- Parking Garage - Dallas, TX: Investigation and repair design of damaged precast concrete elements
- Aircraft Hangar and Maintenance Shop - San Antonio, TX: Investigation and monitoring of damaged steel structure and infill masonry walls

Structural Analysis/Computer Applications

- Historic Office and Retail Building - Boston, MA: Structural analysis of eight-story reinforced concrete building subjected to foundation movement associated with adjacent deep excavation

- Metal Buildings - Various Locations, US: Nonlinear analyses of pre-engineered metal buildings subjected to blast loads *

Structural Testing

- Parking Garage - Dallas, TX: Cyclic load testing of six precast concrete double-tees following ACI 437.2
- Structural Component Blast Testing - Various Locations, US: Blast testing of various structural elements, including metal doors, windows, masonry, steel, and concrete *

* Indicates with previous firms