



#### EDUCATION

- Oklahoma State University
  - Bachelor of Science, Architectural Engineering, structures focus, 2019

#### REGISTRATIONS

- Professional Engineer in CO

#### PRACTICE AREAS

- Structural Evaluation
- Architectural Investigation
- Damage Assessment and Documentation
- Building Enclosure Testing
- Structural Steel Connection Design

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2019, Meredith Thibodeaux has participated in structural engineering and architecture-related projects. She has gained experience in field inspections, architectural investigations, structural damage assessments, and water testing.

Before joining WJE, Ms. Thibodeaux worked in the connection design division of a structural engineering firm. She was responsible for developing designs and calculation sets for structural steel connections.

#### REPRESENTATIVE PROJECTS

##### Structural Evaluation

- Apartment Complex - Ann Arbor, MI: Inspection and documentation of concrete- and wood-framed balconies
- Concrete Pedestrian Canopy - Dearborn, MI: Inspection and documentation of cantilevered concrete canopy
- Confidential World Headquarters - Detroit, MI: Evaluation and documentation of failed structural sealant at the facade glazing panels

##### Architectural Investigation

- Prescott Valley Public Library/Yavapai College - Prescott Valley, AZ: Assessment of original design intent relative to reported deficiencies
- Riverfront Towers - Detroit, MI: Investigation of computer modeling damages due to pipe burst for use in litigation

##### Damage Assessment and Documentation

- Woodland Hills Apartments - Trotwood, OH: Post-tornado damage assessment and documentation and assistance in reporting the extent of damage
- Meadows of Catalpa Apartments - Dayton, OH: Post-tornado damage assessment and documentation and assistance in reporting the extent of damage
- Lee Middle and High School - Wyoming, MI: Assessment and documentation of collapsed structural members and areas surrounding the collapse

- School - West Bloomfield Township, MI: Documentation of water damage from collapsed roof and failed fire suppression system
- Vintage House Banquets and Catering - Fraser, MI: Assessment of collapsed parapet and recommendations for repair

##### Building Enclosure Testing

- Building Complex - Grand Rapids, MI: Spray nozzle and spray rack water testing of curtain walls and punched windows
- Restaurant - Detroit, MI: Observation and documentation during water testing of awning

##### Structural Steel Connection Design

- 111 West 57th Street - New York, NY: Design of vertical brace connections using the Uniform Force Method and design of shear moment and column splice connections \*
- Texas Christian University, Amon G. Carter Stadium, East Addition - Fort Worth, TX: Steel beam shear connection design and review of existing details for additional load \*
- University of Missouri, Memorial Stadium, South End Zone Addition - Columbia: Design of kicker connections and review of design of coped beam connections and moment connections for additional load \*
- Al Thumama Stadium - Doha, Qatar: Design of moment connections and review of existing details for additional load \*

\* Indicates work at previous firm