



#### EDUCATION

- Lawrence Technological University
  - Bachelor of Science, Civil Engineering, 2024
  - Bachelor of Science, Architecture, 2024

#### PRACTICE AREAS

- Repair and Rehabilitation
- Structural Evaluation
- Failure Investigation
- Facade Assessment
- Condition Assessment
- Construction Observation Services

#### CONTACT

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#### EXPERIENCE

Lauren Moon conducts structural engineering and architecture experience including field investigation, structural and architectural repair design, nondestructive testing and instrumentation, and construction observation.

As a graduate student at Lawrence Technological University, Ms. Moon researched the adaptive reuse capabilities of post-industrial concrete structures. The result was a design project and written report demonstrating the structural considerations and sustainable strategies utilized to revitalize existing buildings.

#### REPRESENTATIVE PROJECTS

##### Repair and Rehabilitation

- Alden Towers Apartments - Detroit, MI: Investigation and repair development of masonry facade components, waterproofing, and structural systems
- Oakland Elementary School - Royal Oak, MI: Construction document development and construction period services during masonry and concrete repairs
- Nicolet Place - Detroit, MI: Construction period services during roof replacement

##### Structural Evaluation

- ZF Office Building - Washington, MI: Analysis of corroded steel columns and metal deck
- Alden Towers Parking Garage - Detroit, MI: Analysis and repair development of concrete columns and beams

##### Failure Investigation

- St. Mary Catholic Church - Wayne, MI: Investigation of steeple collapse and development of repairs
- Sligh Furniture Factory - Grand Rapids, MI: Investigation of roof collapse and other structural wood elements

##### Facade Assessment

- The AMO Apartments - Detroit, MI: Assessment of exterior facade components to satisfy City of Detroit facade ordinance
- Ann Arbor Public Schools -MI: Assessment of exterior facade components of six schools to inform future repairs

##### Condition Assessment

- 31 E. Judson Street Office Building - Pontiac, MI: Assessment and investigation of insulated metal panel and glazing systems to inform future cladding decisions
- 414 N. Main Street - Ann Arbor, MI: Assessment and investigation of wood roof structure and low-slope roofing systems
- Eastern Michigan University - Ypsilanti: Structural assessment of below-grade, cast-in-place concrete steam tunnels

##### Construction Observation Services

- Chester Street Parking Garage - Birmingham, MI: Construction period services for post-tensioning and masonry repairs
- General Motors Parking Structures - Warren, MI: Construction period services and quantity monitoring of concrete and waterproofing repairs