



#### EDUCATION

- Virginia Polytechnic Institute and State University
  - Bachelor of Science, Agricultural Engineering, 1993
- Texas A&M University
  - Master of Science, Agricultural Engineering, 1995

#### PRACTICE AREAS

- Building Envelope Assessment
- Construction Troubleshooting
- Failure Investigation
- Structural Investigation
- Wind Damage Investigation

#### REGISTRATIONS

- Professional Engineer in MN

#### CONTACT

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#### EXPERIENCE

Stephen Mayhew joined WJE in 2008 after obtaining over a decade of engineering experience with a focus on wood structures. Since joining WJE, Mr. Mayhew has provided assistance with the inspection, investigation, and analysis of a number of different types of structural failures within existing structures. His experience includes the evaluation of concrete floor slab distress, masonry failures, investigation of wind damage, and structural wood distress and failure analysis.

From 1996 to 2008, Mr. Mayhew was employed by Trus Joist/Weyerhaeuser. During his career with Trus Joist/Weyerhaeuser, he worked in many different technical capacities supporting engineered wood products including new product development, materials testing, product code compliance, preparing repair documents, product performance investigations, product and technical literature development, and construction project management. In addition, Mr. Mayhew has presented many seminars on various building code-and wood construction-related topics.

#### REPRESENTATIVE PROJECTS

##### Building Envelope Assessment

- St. Mary and St. Joseph Catholic Church - Iron Mountain, MI: Project manager for evaluation of exterior masonry facade distress
- Skyscape Condominiums - Minneapolis, MN: Project manager for exterior facade and roofing assessment
- City Walk Condominiums - St. Paul, MN: Project manager for Evaluation of exterior brick masonry facade
- National Hotel Chain - Duluth, MN: Project manager for investigation of exterior facade distress

##### Construction Troubleshooting

- Mid-Rise Wood-Frame Apartment Buildings - Various Locations in Minneapolis/St. Paul, MN: Project manager for investigation of facade-related defects
- Superior Drive Support Center - Rochester, MN: Project associate for investigation of flooring and potential ground water problems

- First District Association Dairy Laboratory - Litchfield, MN: Project associate for investigation of concrete pavement distress
- Sexton Lofts - Minneapolis, MN: Project associate for investigation of construction-related defects

##### Failure Investigation

- Wakefield Pork Hog Barn - Little Falls, MN: Project manager for investigation of roof truss collapse
- Church of St. Pascal Baylon - St. Paul, MN: Project manager for investigation of masonry soffit collapse
- Hog Slat Commercial Building - Fairmont, MN: Project manager for investigation of roof truss collapse during construction
- Residence - Plymouth, MN: Project manager for investigation of porch roof collapse during construction

##### Structural Investigation

- University of Wisconsin - Superior, WI: Project manager for investigation of foundation settlement and related damage
- Pioneer Metal Finishing - Minneapolis, MN: Project manager for investigation of partial steel joist roof collapse
- Brookdale Christian Center - Brooklyn Center, MN: Project manager for repair design to address structural damage from boiler explosion
- Mayo Clinic - Bloomer, WI: Project manager for assessment of fire damage
- West Ridge Condominiums - Minnetonka, MN: Project manager for investigation of wood floor truss damage and repair design
- Calico Tag & Label: Neenah, WI: Project manager for investigation of fire damage to concrete floor slab

##### Wind Damage Investigation

- Generation Church - Mora, MN: Project manager for assessment of wind damage
- The Enclave Townhomes - Medina, MN: Project manager for investigation of wind-related construction collapse
- Best Northland Prairie Inn - Morris, MN: Project associate for investigation of wind damage