

Stephen A. Mayhew | Senior Associate



EDUCATION

- Virginia Tech
 - 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 with more than a decade of engineering experience focusing on wood structures. Mr. Mayhew has assisted with the inspection, investigation, and analysis 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, where 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: Evaluation of exterior masonry facade distress
- Skyscape Condominiums - Minneapolis, MN: Exterior facade and roofing assessment
- City Walk Condominiums - St. Paul, MN: Evaluation of exterior brick masonry facade
- National Hotel Chain - Duluth, MN: Investigation of exterior facade distress

Construction Troubleshooting

- Mid-Rise Wood-Frame Apartment Buildings - Minneapolis and St. Paul, MN: Investigation of facade-related defects
- Superior Drive Support Center - Rochester, MN: Investigation of flooring and potential ground water problems

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

Failure Investigation

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

Structural Investigation

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

Wind Damage Investigation

- Generation Church - Mora, MN: Assessment of wind damage
- The Enclave Townhomes - Medina, MN: Investigation of wind-related construction collapse
- Best Northland Prairie Inn - Morris, MN: Investigation of wind damage