



## **SHEPPARD ENGINEERING, P.C.**

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TROY, MI 48063-2709  
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### **Richard A. Hamann**

Vice President and Project Engineer



#### **REGISTRATION**

Professional Engineer in Michigan  
Professional Engineer in Ohio

#### **AREAS of SPECIALTY**

Residential Structure Design  
Commercial Structure Design  
Forensic Structural Engineering

#### **EXPERIENCE**

Since joining Sheppard Engineering in 1987, Mr. Hamann's range of assignments includes design and oversight of residential, commercial, light industrial projects, as well as assessment of insurance claims and resulting repair design.

Mr. Hamann has served numerous times as an expert in forensic structural engineering matters, collapse investigation, and litigation support. His experience includes collapse of steel, wood and masonry structures; damage from settlement, wind, explosion, snow, vibration, impact, fire, water, ventilation; and damage from nearby construction and blasting activity.

In addition, Mr. Hamann is an authorized instructor by the State of Michigan to instruct courses in Loads and Safety Factors; Truss Inspection, Bracing and Field Problems; Residential Braced Wall Lines/Collector Systems.

#### **REPRESENTATIVE PROJECTS**

##### **Residential Structure Design:**

- Private Residence, Grosse Pointe, MI – Designed structural framing and foundations for 6,200 square foot home.
- Single Family Dwellings – Designed structural framing and foundations for tract homes including high wind areas and houses with several options.

##### **Commercial Structure Design:**

- MacRay Harbor: 2-Story Restaurant

##### **Forensic:**

- Bradford Academy, Southfield, MI – Wood truss partial collapse during installation.
- Michigan Box & Crate, Reed City, MI – Inspection of deteriorated truss chords from material storage.
- Wolozyc Building, Taylor, MI - Wood truss partial collapse during installation.
- Private Residence, Rockwood, MI – Blasting vibration investigation.
- Private Residence, St. Clair Shores, MI – Construction vibration investigation.
- Auto Repair Facility, Detroit, MI – Water infiltration investigation.

##### **Metal Plate Connected Wood Truss Quality Assurance:**

Provide quarterly third party inspection services for 5 truss manufacturing facilities.

#### **EDUCATION**

Lawrence Technological University  
Bachelor of Science, Construction Engineering, 1981  
Michigan Technological University  
Master of Science, Civil Engineering, 1986

#### **PROFESSIONAL AFFILIATIONS**

Structural Engineers Association of Michigan (SEAMi)  
Wood Truss Council of Michigan (WTCM)

#### **CERTIFICATION**

WTCA QC Certified Third Party Inspector  
Structural Engineering Certification Board (SECB)