

James J. Hauck | Principal



EDUCATION

- University of Washington, Seattle
 - Bachelor of Arts, Architecture, 1987
 - Bachelor of Science, Civil Engineering, 1989

PRACTICE AREAS

- Structural Investigation
- Collapse Investigation
- Foundations and Retaining Walls
- Glass Breakage Investigation
- Repair and Rehabilitation Design
- Steel Structures
- Structural Analysis/
Computer Modeling

REGISTRATIONS

- Professional Engineer in FL, IL, MI, MO, and TN
- Structural Engineer in IL

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction (AISC)
- American Society for Testing and Materials (ASTM)
- American Society of Civil Engineers (ASCE)
- Structural Engineers Association of Illinois (SEAOI)

CONTACT

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EXPERIENCE

James Hauck joined WJE in 1998 after nine years of practicing as a consulting structural engineer on new construction projects. Since joining WJE, he has been involved in a broad range of structural engineering investigations and evaluations involving a variety of materials. Mr. Hauck has investigated distress and deterioration in existing structures of reinforced concrete, steel, and masonry; examined and evaluated fire-damaged structures in concrete and steel; designed shoring and remedial repairs for partially collapsed structures; and designed alterations and additions to existing building structures. In addition, he has experience in evaluating building cladding systems, nondestructive test methods, and computer modeling of structures.

Prior to joining WJE, Mr. Hauck worked at the firms of LeMessurier Consultants in Cambridge and Tibbets, Abbott, McCarthy, Stratton (TAMS) in Boston. While with these firms, he was responsible for the structural design of new construction projects, including high-rise buildings, stadiums, university buildings, marine structures, bridges, and tunnels.

REPRESENTATIVE PROJECTS

Structural Investigation

- Goshen 7th Day Adventist Church - Chicago, IL: Structural investigation and repair recommendations
- Lyric Opera House - Chicago, IL: Structural investigation of marquee and repair recommendations
- Federal Reserve Bank of Chicago - Chicago, IL: Structural investigation of sidewalk vault and repair recommendations
- Storage Mart #800 - Chicago, IL: Structural investigation and report
- ATA Flight Center - Chicago, IL: Structural investigation and report

Collapse Investigation

- Howard Middle School - Orlando, FL: Collapse investigation and shoring design
- World Color Press - Covington, TN: Storage rack collapse investigation and litigation support
- Weathershield Manufacturing - Park Falls, WI: Collapse investigation
- Quad Graphics Warehouse - Lomira, WI: Collapse investigation

Repair and Rehabilitation Design

- 300 South Riverside Plaza - Chicago, IL: Design modifications for existing cooling towers
- Marquette Building - Chicago, IL: Design modifications for existing elevator extension
- Tone Brothers Spice Plant - Ankeny, IA: Structural repair design
- Cloud County Community College - Concordia, KS: Structural repair design

Steel Structures

- National Institute of Standards and Technology - Gaithersburg, MD: Examination and documentation of the steel recovered from the World Trade Center disaster site
- Central Park Pumping Station - Chicago, IL: Crane rehabilitation evaluation and repair recommendations