PERSONNEL QUALIFICATIONS

Jerry E. Maly | Principal

EDUCATION

- University of Cincinnati
  - Bachelor of Science, Civil Engineering, 1975
- University of Colorado Boulder
  - Master of Science, Civil Engineering, 1979

PRACTICE AREAS

- Failure Investigation
- Structural Evaluation
- Repair and Rehabilitation Design
- Structural Analysis
- Fire Damage Investigation
- Damage Assessment and Documentation
- Code Compliance Review and Peer Review
- Historic Structures

REGISTRATIONS

- Professional Engineer in CO, ND, and WY

CONTACT

jmaly@wje.com
303.914.4300
www.wje.com

EXPERIENCE

Jerry Maly joined WJE in 2000, bringing his experience in the design of new buildings in addition to the evaluation, rehabilitation, and repair of existing structures. Much of his work has included the evaluation of structural capacity and the assessment and investigation of damage, deterioration, and failures in steel, wood, concrete, and masonry buildings resulting from construction and design errors, corrosion, decay, fire, snow, wind, and expansive soils. In many instances, these assignments have included the preparation of construction documents for strengthening and/or repairs. Mr. Maly's experience includes review of construction documents for compliance with structural building code provisions, visual grading of wood framing, nondestructive evaluation, and seismic evaluation of existing buildings.

Prior to joining WJE, Mr. Maly worked at several Denver area structural engineering firms, where he acquired a broad range of design experience in residential buildings; office, commercial, educational, and convention facilities; and mid-rise and high-rise structures.

REPRESENTATIVE PROJECTS

Failure Investigation

- The Arrabelle at Vail Square - Vail, CO: Steel-framed connection failures
- West River Dairy - Morris, MN: Collapse of pre-engineered metal building
- Whitestone Farms - Holly, CO: Collapse of wood-framed roof trusses

Structural Evaluation

- One Cherry Center - Denver, CO: Evaluation of precast concrete plaza for new planter/landscape loads
- St. Michael Catholic Church - Canon City, CO: Stability analysis of wood dome roof structure
- Wazee Exchange Building - Denver, CO: Structural evaluation and repair recommendations for historic brick and wood-framed structure built in 1871

Repair and Rehabilitation Design

- St. John Vianney Seminary - Denver, CO: Building systems modernizing for historic structures
- Heart Mountain Relocation Center - Powell, WY: Rehabilitation and seismic retrofit of historic smokestack
- Mesa Verde National Park - CO: Repair designs for historic wood-framed structures and foundations

Fire Damage Investigation

- Cabin Creek Hydroelectric Facility - Georgetown, CO: 4,000-lineal-foot, steel and concrete penstock
- Precast Concrete Warehouse - Castle Rock, CO: Damage assessment and repair recommendations

Damage Assessment and Documentation

- Colorado State University Shortgrass Steppe Research and Interpretation Center - Nunn: Assessment of foundation movement
- Cheyenne Civic Center - WY: Structural evaluation and assessment of flood damage
- Worland High School Natatorium - Worland, WY: Assessment of 132-foot-diameter wood dome structure

PROFESSIONAL AFFILIATIONS

- American Institute of Steel Construction (AISC)
- Colorado Association of Geotechnical Engineers (CAGE)
- National Council of Structural Engineers Association (NCSEA)
- Structural Engineers Association of Colorado (SEAC), past president and life member

TECHNICAL COMMITTEES

- Denver Building Code IBC/IEBC Technical Advisory Committee, City and County of Denver
- Board of Appeals, City and County of Denver, chair
- NCSEA - Existing Buildings/Structural Retrofit Committee
- SEAC - Denver Building Department Liaison Committee, chair
- SEAC - Existing Structures Committee