

Vitae

1. **NAME AND TITLE:** Carl E. Martin, P.E.
President

2. **YEARS OF EXPERIENCE:**

Forty-four years (45) of providing engineering services, including 37 years in forensic engineering services as the principal engineer for **Engineering Perspective, Inc.**

3. **EDUCATION:**

B.S./1979/Mechanical Engineering/University of Missouri Rolla
M.S./1997/Engineering Management/University of Kansas

4. **ACTIVE REGISTRATION:**

Registered Professional Engineer in Missouri (E-21154), Kansas (10672), Nebraska (E-9338), Arkansas (15820), Colorado (33231), Oklahoma (26966), Texas (117141), Florida (86355)

Master Pipefitter Certification in Kansas City, Missouri, (126925)
Certified Fire Cause and Origin Investigator by NAFI (2004 - 2009)
Certified Construction Specifier by the Construction Specification Institute (2004 - 2020)
Certified Indoor Air Quality Professional by the American IAQ Association (2004-2009)

5. **ENGINEERING EXPERIENCE:**

A comprehensive background of structural, mechanical, electrical, civil, and environmental engineering experience. Work experience includes performing multi-disciplined tasks for design and construction projects and forensic investigations involving cause-of-loss analysis. Experience includes expert witness testimony and arbitration services. General summary of experience includes the following:

- Conducting onsite field investigations of design and construction-related deficiencies. This includes the determination of cause-of-loss conditions related to damage from construction defects, fire, explosion, earth movement, soil stability, foundation systems, wind, drainage, moisture infiltration, water/sewer conditions, Indoor Air Quality, electrical systems, mechanical systems and related equipment failures.
- Providing electrical engineering services associated with the analyses of fires caused by electrical wiring, devices, and equipment. This includes evaluation of electrical wiring, power cords, equipment controls, motors, panels, and defects in the installation of electrical systems. Experience includes conducting engineering simulations and testing of equipment and conditions which could lead to fires or malfunctions in electrical components.
- Development of independent repair and reconstruction scope-of-work assessments and cost estimates.
- Investigation and analysis of construction methods and equipment performance.
- Construction inspection and code analysis for private and public entities.

ENGINEERING EXPERIENCE CONTINUED:

Work experience includes the perspective of both the design and construction industry. As a Certified Construction Specifier, experience includes the development of customized bid documents and specifications for projects. Additional experience and technical training includes construction management, arbitration, evaluation, assessment, and development of restoration plans for structural failures, mechanical system failures, electrical damage, water damage, Indoor Air Quality assessment and remediation, asbestos removal, and related projects. This experience has included field project management and on-site field supervision of both Union and Non-Union tradesmen. Also, the statistical analysis and prediction of engineering systems, economic and strategic analysis of engineering projects, and the application of mathematical simulations as applied to real life conditions.

6. ARBITRATION SERVICES EXPERIENCE:

Provided arbitration judge services for technical multi discipline construction and construction management disputes. Work experience has included provided arbitration testimony in multi discipline disputes regarding fires, appliance and equipment failures, equipment performance, etc.

7. PROFESSIONAL SOCIETY MEMBERSHIPS:

National Society of Professional Engineers
National Society of Civil Engineers
American Society of Heating, Refrigeration and Air-conditioning Engineers
National Fire Protection Association
American Society of Mechanical Engineers

8. PUBLICATIONS:

United States Patent - Hail Impact Recording Device - Issued 2015