



PERSONNEL QUALIFICATIONS

Carl F. Baldassarra | Principal and Unit Manager



EDUCATION

- Illinois Institute of Technology
 - Bachelor of Science, Fire Protection and Safety Engineering, 1974
- Lake Forest Graduate School of Management
 - Master of Business Administration, 2007

PRACTICE AREAS

- Fire Protection Engineering
- Fire/Life Safety/Egress Assessment
- Fire Protection System Design/Analysis
- Building Code, Fire Code, and Standards Consulting
- Loss Investigation/Litigation Support
- Performance-Based Design
- Code Development
- Research

REGISTRATIONS

- Fire Protection Engineer in AZ
- Professional Engineer in IL, KS, and NM

CONTACT

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* Work at previous firm

EXPERIENCE

Carl Baldassarra is a renowned expert in fire protection engineering, including fire/life safety analysis, egress design, fire protection system design and analysis, code consultation, loss investigations, and related services for a wide range of facilities and systems. Over his career, he has managed operations, led project teams, and participated in numerous design, consulting, and research projects. Mr. Baldassarra is also recognized authority for his development of innovative design solutions using performance-based principles for a wide range of facilities to meet clients' design objectives. His experience has also involved loss prevention surveys, on-site construction period services, litigation support, and expert testimony in virtually all types of building occupancies.

Prior to joining WJE, Mr. Baldassarra was executive vice president of Rolf Jensen & Associates, where he managed the firm's western region. His experience also spans thirty-five years at Schirmer (Aon) Engineering Corporation, where he had most recently served as president of the firm, as well as in various other roles.

REPRESENTATIVE PROJECTS

Fire/Life Safety Assessment

- 3M Company Corporate Headquarters - Maplewood, MN*
- Chicago City Hall - Chicago, IL
- Hallmark Cards Corporate Headquarters - Kansas City, MO*
- Hyatt Regency Kansas City - Kansas City, MO
- Procter & Gamble Miami Valley Laboratories - Colerain Township, OH*

Fire Protection System Design

- Burton Barr Central Library - Phoenix, AZ: Design of replacement fire suppression system for unique facility architecture
- Willis Tower (formerly Sears Tower) - Chicago, IL: Atrium fire detection system*

Loss Investigation/Litigation Support

- ArcelorMittal Steel - Burns Harbor, IN: Loss investigation, code analysis, and expert testimony
- St. Mary College - West Terre Haute, IN: Code analysis and expert testimony

Performance-Based Design

- Hyatt Regency O'Hare - Rosemont, IL: Alternative smoke control system design*
- Sawgrass Mills Super Regional Shopping Mall - Sunrise, FL: Alternative fire resistive construction, smoke control system, and egress systems*
- United Airlines Terminal - Chicago, IL: Alternative fire resistive construction*
- Wrigley Field - Chicago, IL: Development of fire protection/life safety/code compliance concept for historic facility*
- Willis Tower - Chicago, IL: Development of fire protection/code compliance plan for major renovation project of iconic high-rise building

Code Development

- Chicago Life Safety Evaluation System: Development of code requirements and alternative compliance method for existing high-rise buildings*
- Dallas Code Study - Dallas, TX: Study and development of local code requirements for greater use of fire sprinkler systems at reduced cost*

PROFESSIONAL AFFILIATIONS

- Illinois Society of Professional Engineers
- International Code Council
- National Fire Protection Association
- National Society of Professional Engineers
- Society of Fire Protection Engineers
- Underwriters Laboratories Fire Council

TECHNICAL COMMITTEES

- Chicago Committee on High Rise Buildings - Life Safety Task Force; Chicago Building Code Task Force, chair; past Vice Chair
- Illinois Society of Professional Engineers - Legislative Committee
- ICC - Code Technology Committee, chair;
- ICC - Ad Hoc Committee on Tall Wood Buildings, co-chair
- NFPA 1 - Fire Prevention Code, Principal
- NFPA 92, 204 - Smoke Management, Principal
- SFPE - Past President and former Board of Directors Member; Editorial Advisory Board member
- Underwriters' Laboratories - Fire Council, member