



## 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

cbaldassarra@wje.com  
847.272.7400  
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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 a 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