

Robert A. Plichta

AIA, NCARB, MSHF, ASCA-C

Senior Managing Consultant, Forensic Architect



Mr. Plichta is an Architect holding credentials in multiple states. He is credentialed by the National Council of Architectural Registration Boards and holds a Bachelor of Architecture degree with over 35 years of design experience in a variety of projects. Mr. Plichta holds a Master of Science in Human Factors from Embry-Riddle Aeronautical University. He focuses his practice on construction defects, premises liability, and professional liability.

He is an expert in areas such as national building codes, architectural operations, construction contract administration, and peer reviews. His work includes design and construction analysis, investigation, code and ADA compliance, installation means and methods, maintenance and repair solutions of buildings and sites, building envelope failures, slip/trip/fall incidents, loading dock accidents, construction site accidents, and standard of care.

Mr. Plichta has been a speaker for The Department of Justice on "Accessibility in Multifamily Construction" throughout the United States and has authored and facilitated numerous courses on project management, construction contract administration, best practices, and technical publications. He has trained and mentored architectural professionals throughout the country.

Mr. Plichta has over 35 years of architectural experience with commercial, educational, industrial, hospital, medical clinic, multifamily, senior living, retail, mixed use, high-end custom residential, and urban infill projects. He possesses knowledge and experience with structural, building foundation, plumbing, HVAC, and fire sprinkler systems and the integration of these systems.

Education

MS, Human Factors. Embry-Riddle Aeronautical University. 2024
BArch. University of Illinois Chicago. 1982

Licenses & Certifications

- State of Alabama Architect License 8410
- State of Arizona Architect 85934
- State of Arkansas Architect License 4772

Contact Information

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ESi Aurora

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Aurora, IL 60504

Areas of Specialization

- Construction Defects Investigation
- Premises Liability
- Professional Liability
- Building Envelope Investigations
- Means & Methods Analysis
- Construction Site Accidents
- Damage Assessment & Repairs
- Standard of Care
- Code & Accessibility Compliance
- Human Factors: Slips, Trips & Falls
- Water Intrusion
- Site Drainage Investigation
- Foundation Failure Analysis
- Loading Dock Accidents

- State of Colorado Architect License ARC.00404017
- State of Connecticut Architect License ARI.0015275
- State of Florida Architect License AR95852
- State of Georgia Architect License RA014580
- State of Illinois Architect License 001-018822
- State of Indiana Architect License AR11500115
- State of Iowa Architect License 06531
- State of Kansas Architect License 7025
- State of Kentucky Architect License 7807
- State of Massachusetts Architect License 2023-426-AR- AAPP
- State of Michigan Architect License 1301071608
- State of Minnesota Architect License 57614
- State of Missouri Architect License A-2018034884
- State of Montana Architect License ARC-ARC-LIC-26781
- State of Nebraska Architect License A4471
- State of New Jersey Architect License 21AI02004800
- State of North Dakota Architect License 3166
- State of Ohio Architect License ARC.2118354
- State of Pennsylvania Architect License RA405526
- State of South Carolina Architect License AR 8506
- State of Tennessee Architect License 106531
- State of Texas Architect License 22534
- State of Virginia Architect License 0401019147
- State of Washington Architect License 117899
- State of West Virginia Architect License 5737
- State of Wisconsin Architect License 9600-5
- NCARB License 71608
- American Society for the Advancement of Project Management Certification
- International Project Management Association Certified Project Practitioner (CPP)
- State of Illinois Interior Design Registration 161003474 (former)

- Office of the Illinois State Fire Marshal (OSFM) Firefighter I and II, EMT-B (former)
 - OSHA 10- & 30-Hour Construction Course Certification
 - Construction Safety Council Supported Suspended Scaffold User
 - Governor's Office of Emergency Services Disaster Response Certification
 - Illinois Department of Public Health Swimming Facility Architect (former)
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Positions Held

Engineering Systems Inc., Aurora, Illinois

- Senior Managing Consultant, 2026 - Present
- Senior Consultant, 2011 – 2025

Packer Engineering, Naperville, Illinois

- Director, Construction Technology Group, 2009–2011

BSB Design, Inc., Palatine, Illinois

- National Director, Multifamily, 2005–2008

RP Architecture, Libertyville, Illinois

- President, 2001–2005

KLLM Architects, Inc., Chicago, Illinois

- Director of Operations, 1998–2001

College of Lake County, Grayslake, Illinois

- Adjunct, Architectural Technology Program, 1993–1998

Libertyville Fire Department, Libertyville, Illinois

- Firefighter I & II, EMT-B, 1993–1998

Matthias Jans and Associates, Inc., Palatine, Illinois

- Senior Project Manager, 1991–1998

Legat Architects, Inc., Waukegan, Illinois

- Project Manager, 1990–1991

Lindquist & Associates, Hawthorn Woods, Illinois

- Project Manager, 1990–1991

General Binding Corporation, Inc., Northbrook, Illinois

- Director, 1984–1989

Northern Telecom, Inc., Morton Grove, Illinois

- Mechanical Design/CAD Manager, 1982–1984

Extel Corporation, Inc., Northbrook, Illinois

- Electronic Technician/Design Engineer, 1975–1982

Glenview Park District Golf Course, Glenview, Illinois

- Assistant Manager, 1972–1981

Professional Affiliations/Honors

American Institute of Architects

- Member, Northeastern Illinois Chapter, 2014 – Present
- Past President, 2018
- President, 2017
- Vice President, 2016
- Board Member, 2014–2015

National Council of Architectural Registration Boards

- Member, 2004 – Present

International Project Management Association

American Society for the Advancement of Project Management

American Institute of Steel Construction

National Institute of Building Sciences

Community Associations Institute

- Member, 2014 – Present

Accredited Snow Contractors Association

- Member, 2021 – Present

Presentations

A. Mathias, H. Chan, D. Kruger, A. Stern, D. Fortenbaugh, & **R.A. Plichta**, (2025). Advanced Camera Matching Techniques and Human Factors Methodologies for Pedestrian Fall Analysis and Investigation. Proceedings of the Human Factors and Ergonomics Society Annual Meeting.

“Codes Related to Construction Defects and Premises Liability,” **R.A. Plichta**, Defense Trial Counsel, WV, May 2021.

"Using Experts to Navigate the Minefields of Construction: Related Litigation," **R.A. Plichta**, For the Defense, February 2020.

"From Order to Chaos: Using Experts to Navigate the Minefields of Litigation," **R.A. Plichta**, DRI Construction Law Presentation, Las Vegas, NV, April 2019.

"Forensic, Cost and Allocation Considerations for Colorado Construction Defect Claims," **R.A. Plichta**, Colorado Defense Lawyers Association, Steamboat, CO, 2015.

"Advanced Project Management Strategies," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, July 2007.

"Business Development Training Program," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, May 2007.

"BSB Technical Publications," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, January 2006 – June 2007.

"BSB Best Practices Publications," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, January 2006 – June 2007.

"Understanding the Requirements of NFPA 101: Life Safety Code." **R.A. Plichta**, BSB Design, Inc., Palatine, IL, October 2006.

"Understanding the Requirements of NFPA 82: Waste Handling Systems," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, September 2006.

"Project Management I & II Training Programs," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, August 2006.

"Zoning Code Analysis for Architects," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, July 2006.

"Life Safety Code Analysis for Architects," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, July 2006.

"Building Code Analysis for Architects," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, June 2006.

"Project Management I Training Program," **R.A. Plichta**, BSB Design, Inc., Palatine, IL, April 2006.

"Good Access is Good Business," **R.A. Plichta**, Multi-Family Housing Access Forum, Department of Justice, Miami, FL, November 2007.

"Good Access is Good Business," **R.A. Plichta**, Multi-Family Housing Access Forum, Department of Justice, Minneapolis, MN, May 2007.

"Animation in Architecture," **R.A. Plichta**, AEC Convention, Anaheim, CA, 1991.

"Architectural Working Drawings," **R.A. Plichta**, College of Lake County, Grayslake, IL, 1993–1998.

"AutoCAD in the Architect's Office," **R.A. Plichta**, College of Lake County, Grayslake, IL, 1993–1998.

"Basic Drafting for Architectural Applications," **R.A. Plichta**, College of Lake County, Grayslake, IL, 1993–1998.