

ANDREA L. BAIRD, NCARB, P.E., CCCA, LEED AP BD+C, BECxP, CxA+BE

Senior Architect



+CONTACT

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Andrea Baird has over 12 years of architectural and engineering experience specializing in the evaluation and repair design of building enclosure components and systems, field testing of air/water infiltration, and architectural and structural design for new and existing buildings. Her building enclosure expertise includes architectural peer review, remedial design, performance testing, and construction quality assurance programs. She has extensive knowledge in THERM, WUFI, and other types of computer simulations to perform the analysis of building enclosure performance.

She has considerable roofing experience in the areas of investigation, testing, and development of design drawings and specifications for roof repairs and replacement. Her knowledge of roofing systems includes single-ply membrane and built-up roofing (low slope), copper (standing seam and flat-lock), and slate (steep slope).

With her building enclosure knowledge, she has provided litigation support services in the areas of investigation, depositions, and document review on related failures.

Prior to RRJ, she gained experience in forensic architecture and design working for both A/E consulting firms and traditional architecture and structural engineering design practices located in the Midwest and Texas.

■ EDUCATION

Master of Architecture, 2006
 University of Detroit Mercy

Master of Engineering in Civil, 2006
 University of Detroit Mercy

■ REGISTRATIONS | CERTIFICATIONS

Registered Architect in Illinois, Michigan, Texas, and Wisconsin

Licensed Professional Engineer in Texas (PE)

National Council of Architectural Registrations Boards (NCARB) Certificate Holder

LEED Accredited Professional, Building Design & Construction (LEED AP BD+C)

Building Enclosure Commissioning Process Provider (BECxP)

Commissioning Authority + Building Enclosure (CxA+BE)

Certified Construction Contract Administrator (CCCA)

Construction Documents Technologist (CDT)

Certified Infrared Thermographer (CIT)

■ PROFESSIONAL AFFILIATIONS

ASTM International

Building Enclosure Council of Chicago (BEC-Chicago)

Construction Specifications Institute (CSI)
 Chicago Chapter, President

International Code Council (ICC)

■ COMMUNITY INVOLVEMENT

iMentor Chicago, Volunteer

Chicago Architecture Foundation, Historic and High-rise Walking Tours, Former Docent



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■ PRESENTATIONS | PUBLICATIONS

- "Top 15 Hot Button Roofing Issues," IIBEC Chicago Area Chapter, Fall Meeting & Program, C.M. Ceja, P.E. Reicher, S.K. Flock, and A.L. Baird, Glen Ellyn, IL November 10, 2017
- "Top 15 Hot Button Roofing Issues and Why Every General Contractor Should Know About Them," American Contractors Insurance Group (ACIG), Risk Management Workshop, C.M. Ceja, P.E. Reicher, S.K. Flock, and A.L. Baird, Barrington, IL, October 12, 2017
- "Who'll Stop the Rain: Considerations for Specifying Rainscreen Systems," CONSTRUCT 2017 Conference, Providence, RI, September 13, 2017
- "Peer Review: Effective, Efficient and Educational," IIBEC International Convention and Trade Show, Anaheim, CA, March 17, 2017
- "Inhibiting Condensation, Understanding Communication Between Spaces, Environment, and People," *Medical Construction & Design*, A.L. Baird and S.K. Flock, January/February 2016
- "Applications and Limitations of Computational Hygrothermal Modeling," IIBEC Chicago Area Chapter, Autumn Meeting, November 7, 2014