

## CAROLE M. CEJA, NCARB, RRC

Architect II



### +CONTACT

Raths, Raths & Johnson, Inc.  
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Carole Ceja has over 12 years of architectural experience specializing in the evaluation, investigation, design, and repair of roofing and waterproofing systems. A roofing expert, she has extensive knowledge of roofing materials and assemblies, repair/replacement approaches, and construction quality assurance programs. She has developed construction documents, specifications, and performed construction administration and inspection of complex roof repairs to existing buildings and historic structures.

She utilizes the latest nondestructive and air/water infiltration field testing techniques to evaluate and assess building enclosure performance, moisture intrusion, and condensation problems. Her experience has involved commissioning and witness testing of building enclosures and components, and thermal modeling to analyze their performance.

With her extensive roofing knowledge, she has provided litigation support services on various roofing failures and water leakage issues.

Prior to joining RRJ, she was an Architect for nine years at a national architectural and engineering forensics consulting firm. Previously, she interned at two architectural firms and a lighting design practice based in Illinois.

### ■ EDUCATION

Master of Architecture: Structures Option, 2006  
 University of Illinois at Urbana-Champaign

Bachelor of Science in Architectural Studies, 2004  
 University of Illinois at Urbana-Champaign

### ■ REGISTRATIONS | CERTIFICATIONS

Licensed Architect in Illinois

National Council of Architectural Registration Boards (NCARB) Certificate Holder

Registered Roof Consultant (RRC)

### ■ PROFESSIONAL AFFILIATIONS

RCI, Inc. (Institute for Roofing, Waterproofing, and Building Envelope Professionals)

ASTM International  
 Committee D08 on Roofing and Waterproofing

National Roofing Contractors Association (NCRA)

Chicago Roofing Contractors Association (CRCA)  
 Affiliate Relations Committee, Member

Chicagoland Women in Roofing (CWIR)

### ■ TEACHING

Purdue University, West Lafayette, IN  
 CE 479 Design of Building Components and Systems Course

Guest Lecturer "Introduction to Roofing and Waterproofing," December 2013, 2015, 2016



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### ■ PUBLICATIONS

- "Roof Talk-CRCA Member Spot Light: Raths, Raths & Johnson, Inc.," *CRCA Today*, Spring 2018
- "Peer Review: Effective, Efficient and Educational," Proceedings of the RCI, Inc. 32nd International Convention and Trade Show, Anaheim, CA, C.M. Ceja and R.J. Kudder, March 17, 2017
- "Understanding Heat, Air, and Moisture Control: The Gaps Between Design and Performance," *The Construction Specifier*, S.K. Flock and C.M. Ceja, May 2016
- "Case Study Repair of Shadow Box Spandrel Condensation," Problems and Solutions for Building Walls Exposed to Continued Water Accumulations: Lessons from Past and Recommendations for the Future, ASTM STP 1549, J. Erdly and P. Johnson, Eds., ASTM International, West Conshohocken, PA, C.M. Ceja and B.S. Kaskel, 2013
- "Recommended Test Procedures for High Voltage Membrane Integrity Testing," Proceedings of the RCI, Inc. 28th International Convention and Trade Show, Orlando, FL, March 2013
- "Sustainable is Nothing New," Proceedings of the National Roofing Contractors Association (NRCA) International Symposium, Washington, D.C., C.M. Ceja and L. Meyers, September 2011
- "When Horizontal Meets Vertical," Proceedings of the RCI, Inc. Building Envelope Technology Symposium, San Antonio, TX, 2010

### ■ PRESENTATIONS

- "Top 15 Hot Button Roofing Issues," Chicago Area Chapter of RCI, Inc. 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
- "Roof / Wall Considerations for Heat, Air, and Moisture Control," Chicago Area Chapter of RCI, Inc. Annual Meeting & Program, C.M. Ceja and S.K. Flock, Oak Brook, IL, January 20, 2016
- "Workshop on Building Waterproofing," ASTM International Committee D08.22 Waterproofing and Dampproofing Systems, Toronto, Canada, June 23, 2014
- "Recommended Test Procedures for High Voltage Membrane Integrity Testing," RCI, Inc. 28th International Convention and Trade Show, Orlando, FL, March 18, 2013
- "Integrity Testing and Passive Monitoring of Replacement Plaza Waterproofing Using Low Voltage Testing," Chicago Area Chapter-RCI, Inc. Fall Meeting, Oak Brook, IL, C.M. Ceja and L. Meyers, November 4, 2011
- "Sustainable is Nothing New," National Roofing Contractors Association (NRCA) International Symposium, Washington, D.C., September 8, 2011
- "When Horizontal Meets Vertical," RCI, Inc. Building Envelope Technology Symposium, San Antonio, TX, November 9, 2010