

Exponent®
Engineering & Scientific Consulting

Misael Rojas, AIA, RRO, NCARB

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Professional Profile

Misael Rojas is a nationally recognized Senior Architect with over 20 years of experience in architectural design, forensic investigations, and building enclosure consulting. With a career spanning complex projects related to architectural and construction technology across the U.S. and internationally, Mr. Rojas brings extensive technical expertise in the performance of building systems. His work includes commercial properties including high-rise developments, institutional facilities, and post-disaster property loss assessments, with a specialization in the performance of building envelope systems that include analysis of waterproofing, roofing, masonry, glazing as well as other types of building facades.

Misael offers a full spectrum of consulting services, including construction defect analysis, litigation support, building envelope design, and water intrusion investigations. He is known for identifying and translating complex technical findings into clear, actionable strategies that help clients navigate challenges with confidence.

He works with a wide range of clients — from insurers and legal teams to developers and public agencies — across sectors such as commercial real estate, healthcare, education, and residential. His work includes forensic investigations, envelope consulting for new construction, and expert witness in litigation cases throughout the Northeast, Southeast, and Latin America.

Misael is also a frequent industry speaker and published author on topics such as curtain wall performance, construction risk mitigation, and glazing failure analysis. His commitment to quality, communication, and innovation makes him a trusted partner in the built environment.

Academic Credentials & Professional Honors

M.S., Construction Administration, Columbia University, 2013

B.Arch., Architecture, New Jersey Institute of Technology, 2001

Licenses and Certifications

Registered Architect at the Architects Registration Board, Arizona, #85556

Registered Architect at the Architects Registration Board, Florida, #AR104107

Registered Architect at the Architects Registration Board, Georgia, #RA018419

Registered Architect at the Architects Registration Board, Massachusetts, #954865

Registered Architect at the Architects Registration Board, New Jersey, #21AI01991000

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Registered Architect at the Architects Registration Board, New York, #040266

Registered Architect at the Architects Registration Board, Pennsylvania, #RA410418

Registered Architect at the Architects Registration Board, South Carolina, #12229

IIBEC Registered Roof Observer

Prior Experience

Senior Forensic Architect, The Vertex Companies, LLC, 2021–2025

Senior Design Consultant, Curtain Wall Design & Consulting, Inc., 2018–2021

Senior Project Manager, Facades & Forensics, Desimone Consulting Engineers, 2018

Senior Project Manager/Studio Director, CANY, 2016–2018

Associate, Thornton Tomasetti, Inc., 2014–2016

Staff Architect, Full-time Site Representative, Mitchell Giurgola Architects, LLP, 2006–2014

Professional Affiliations

American Institute of Architects of New York & New Jersey (member)

Registered Roof Observer (RRO) – IIBEC

International Institute of Building Enclosure Consultants (IIBEC) New York Metro Chapter (Board Member)

Emerging New York Architects (ENYA) – (Member)

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Publications

Rojas M. The Disconnect. Columbia University, The School of Continuing Education, Master of Science in Construction Administration, New York, NY, 2013.

Presentations

Rojas M. Glass breakage analysis: the impact of nickel sulfide (NiS) inclusions in building glazing. Technical presentation, IIBEC, June 2025.

Rojas M. Understanding curtain wall; an overview of design and performance considerations. Presenter, IIBEC NY Metro Chapter, Educational Seminar, New York, NY, December 12, 2024.

Rojas M. Mid-rise and high-rise construction: typical building envelope defects. Presenter, Allied World Insurance Company, (AWAC), March 2024.

Rojas M. Construction defect & construction risks mitigation. Presenter, Fortitude Re, January 2024.

Rojas M. Mid-rise and high-rise residential, common construction defects. Presenter, The Vertex Companies LLC, August 2022.

Rojas M. Roofing and waterproofing in construction phase. Co-presenter, IIBEC, SOM Architects, July 21, 2022.

Rojas M. Understanding curtain wall; an overview of design and performance considerations. Presenter, Curtainwall Design Consultants (CDC), Kohn Pederson Fox (KPF) Architects, Educational Seminar, New York, NY, October 5, 2019.

Rojas M. Building envelopes 101. Lead Presenter to L+M, Consulting Architects New York (CANY), New York, NY, 2017-2018.

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