



EDUCATION

- Rensselaer Polytechnic Institute
 - Bachelor of Architecture, 2023

PRACTICE AREAS

- Roofing and Waterproofing
- Roof Assessment and Design
- Facade Assessment
- Repair and Rehabilitation

REGISTRATIONS

- FAA Licensed Remote Pilot

PROFESSIONAL AFFILIATIONS

- International Institute of Building Enclosure Consultants

CONTACT

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EXPERIENCE

Luke Korzenko's work primarily involves the assessment, documentation, design, and installation observation of roofing and waterproofing systems. Mr. Korzenko's expertise also includes facade condition assessments, drone photography and thermography, and architectural design at a previous firm for the rehabilitation of commercial and residential buildings.

REPRESENTATIVE PROJECTS

Roofing and Waterproofing

- 150 North Riverside - Chicago, IL: Investigation of waterproofing membrane inside concrete liquid mass damper tanks
- 525 West Monroe - Chicago, IL: Water leakage investigation at sloped curtain wall
- Charles E. Whittaker U.S. Courthouse - Kansas City, MO: Capacitance moisture scan and drone-mounted infrared thermography of modified bitumen roof system
- Chase Tower - Chicago, IL: Low-voltage electronic leak detection at below-grade, cold-applied waterproofing and plaza planter design
- Federal Reserve Bank - Chicago, IL: Construction observations for modified bitumen roof system installation
- Southgate Market - Chicago, IL: Repair design of expansion joint seal at parking garage above occupied space

Roof Assessment and Design

- Canyon Lake High School - Fischer, TX: Roof survey, condition assessment, and repair design documents for built-up roof
- Cold Storage Facility - Edgerton, KS: Drone-mounted infrared thermography and visual survey of thermoplastic polyolefin roof
- Tribune Tower - Chicago, IL: Water testing and design documentation for new PVC mansard roof membrane with decorative batten and standing seam accessories
- University of Illinois at Urbana-Champaign, Illini Union: Clay tile roof replacement design documentation
- Virginia Tech, Steger Hall - Blacksburg: Low-slope roof replacement design documentation

Facade Assessment

- 200 North LaSalle - Chicago, IL: Visual survey of curtain wall facade
- Auburn University, Hood McPherson Building - Birmingham, AL: Quality assurance water testing for new window installation in rehabilitated historic facade
- Edgewater Beach Apartments - Chicago, IL: Marble, limestone, and stucco facade investigation
- Macy's - Chicago, IL: Visual survey of granite, limestone, and terra cotta facade
- Waldorf Astoria - Chicago, IL: Close-up survey and condition assessment of precast concrete facade panels

Repair and Rehabilitation

- Farnworth House - Plano, IL: Facade condition assessment and roof replacement construction administration
- Chicago Marriott Downtown Magnificent Mile - IL: Laser measurement of concrete masonry unit plenum wall deflection and existing condition documentation
- Hotel Florence Annex - Chicago, IL: Drone photography and mass masonry wall and facade condition documentation
- Waller Apartments - Chicago, IL: Drone documentation of masonry facade, parapet, and roof at Frank Lloyd Wright-designed row house