PERSONNEL QUALIFICATIONS

Norbert V. Krogstad | Principal

EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Architectural Studies, 1981
  - Master of Architecture, Structures Option, 1983

PRACTICE AREAS

- Building Enclosure Consulting
- Condensation
- Facade Assessment
- Failure Analysis
- Masonry Assessment
- Peer Review
- Repair and Rehabilitation
- Water/Air Leakage Assessment
- Windows and Curtain Walls

REGISTRATIONS

- Architect in IL, MN, MO, and OK

PROFESSIONAL AFFILIATIONS

- ASTM International (ASTM)
- The Masonry Society (TMS)

TECHNICAL COMMITTEES

- ASTM C12 - Mortars and Grouts for Unit Masonry
- ASTM C15 - Manufactured Masonry Units
- ASTM E06 - Performance of Buildings

CONTACT

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EXPERIENCE

Since joining WJE in 1983, Norbert Krogstad has investigated distress conditions in several hundred existing buildings and provided consulting services on numerous cladding systems. He has expertise in the evaluation and resolution of water infiltration, corrosion, cracking, anchorage, and durability problems in exterior wall systems, with a concentration on masonry and curtain wall systems. Mr. Krogstad also specializes in the investigation of moisture and condensation problems.

Mr. Krogstad has performed a wide range of structural and water leakage tests. He has developed repair drawings and specifications for many projects and has assisted clients during the construction phases of these projects. He has also conducted design reviews of building envelopes in new construction for architects, owners, and contractors.

Mr. Krogstad has also published and lectured extensively on issues related to exterior facade systems. From 1989–2011, he authored a monthly question-and-answer column in *Masonry Construction*, published by Hanley Wood, LLC.

REPRESENTATIVE PROJECTS

Building Enclosure Consulting

- Krannert Art Museum - Champaign, IL: Building envelope improvements to reduce air infiltration and address water leakage in a stone-clad masonry building
- Medical Sciences Building - Champaign, IL: Building envelope improvements to reduce air infiltration and address water leakage in a multiwythe masonry building

Condensation

- Life Time Fitness - Bloomingdale, IL: Water leakage and condensation investigation, repair design, thermal analysis, and construction observation
- Nestlé Distribution Center - Anderson, IN: Investigation of condensation and related staining in insulated metal panel system
- Cigna Healthcare Building - Bourbonnais, IL: Investigation of condensation problems in masonry building and curtain walls, development of repair documents, and construction observations during repairs

Facade Assessment

- Water Tower Place - Chicago, IL: Periodic surveys and repairs of thin marble panel cladding on 860-foot-tall building

Peer Review

- Shelby Biomedical Building - Birmingham, AL: Design review of exterior cladding and roofing systems for a new fourteen-story building clad with stone, brick, and curtain wall
- Federal Courthouse - Tuscaloosa, AL: Design review of exterior cladding and roofing systems for a new classical-design building clad with limestone and curtain wall

Repair and Rehabilitation

- M2 on Neil Building - Champaign, IL: Drawings and construction observations associated with repairs to the facade to address water leakage and fire damage
- St. Paul Catholic Church - Chicago, IL: Condition assessment, structural evaluation, repair design, and construction observations during repairs for 1900s masonry church
- Q Center - St. Charles, IL: Inspection, distress investigation, and repair design for the masonry buildings at the complex

Water/Air Leakage Assessment

- 2120 North Lincoln Park West - Chicago, IL: Water leakage investigation in masonry veneer building with windows, repair design, and construction observations in eighteen-story condominium building
- Guild-Memorial Hall - Valparaiso, IN: Masonry deterioration, water leakage, condensation investigation, and thermal analysis of masonry building
- Simon Properties Building - Indianapolis, IN: Investigation of aluminum composite material panel deterioration, curtain wall framing failures, and design of repairs in fourteen-story building