



## PERSONNEL QUALIFICATIONS

### Daren S. Kneezel | Senior Associate



#### EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science in Architectural Studies, 2001
  - Master of Architecture, Structures Option, 2003

#### PRACTICE AREAS

- Construction Administration
- Facade Assessment
- Laboratory Testing
- Leakage Investigation
- Masonry Assessment
- Repair and Rehabilitation Design
- Stone Testing

#### REGISTRATIONS

- Architect in IL

#### PROFESSIONAL AFFILIATIONS

- ASTM International

#### TECHNICAL COMMITTEES

- ASTM C18 - Dimension Stone

#### CONTACT

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#### EXPERIENCE

Since joining WJE in 2003, Daren Kneezel has been involved in projects ranging from investigation of high-rise building facades and masonry deterioration to laboratory testing of stone and other construction materials and in-situ testing of scaffolding davits and retrofit anchorage systems. He has also performed structural and finite element analyses and developed repairs for wood trusses and thin stone cladding and its anchorage systems.

Mr. Kneezel has performed laboratory testing of various materials with a concentration on stone (marble, limestone, granite, slate, travertine, and composite stone panels) to evaluate structural and thermal performance and to determine compliance with project specifications and industry standards. This includes testing of materials in accordance with the standards of ASTM International.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Water Tower Place - Chicago, IL: Survey and repair of thin marble panels and sealant joints
- 980 N. Michigan (One Magnificent Mile) Building - Chicago, IL: Investigation and documentation of thin granite veneer
- U.S. Air Force Academy - Colorado Springs, CO: Structural analysis and repair recommendations for thin marble veneer
- Schaumburg Corporate Center - Schaumburg, IL: Investigation and structural analysis of thin travertine veneer

##### Laboratory Testing

- Shelby Interdisciplinary Biomedical Building - Birmingham, AL: Evaluation of strength of various screws fastened to metal studs

##### Leakage Investigation

- 9700 W. Higgins Avenue - Rosemont, IL: Water leakage investigation and construction documents for stair and retention tank repairs
- M2 Building - Champaign, IL: Wall drainage testing of masonry cavity wall

##### Masonry Assessment

- Saint Lawrence Basilica - Asheville, NC: Investigation of distressed Guastavino tile dome roof and masonry
- Chase Bank - Chicago, IL: Masonry distress investigation and repair design

##### Repair and Rehabilitation Design

- 820 S. Michigan Avenue - Chicago, IL: Preconstruction testing of granite; review of shop drawings and calculations for stone recladding

##### Stone Testing

- Stone Panels, Inc. - Coppell, TX: Evaluation of flexural strength, bond strength, and long-term durability of aluminum/stone composite system and anchorage
- Empire State Plaza (Corning Tower) - Albany, NY: Evaluation of strength and long-term durability of existing three-inch-thick stone cladding and anchorage system
- Yale University, Hall of Graduate Studies - New Haven, CT: Evaluation of physical/mechanical properties of existing roofing slate
- Children's Hospital of Philadelphia - PA: Preconstruction strength evaluation of multiple blocks of granite