



## PERSONNEL QUALIFICATIONS

### Elizabeth Ordner Cassin | Associate Principal and Unit Manager



#### EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Architecture, 2001
  - Master of Architecture, Structures, 2003

#### PRACTICE AREAS

- Building Enclosure Commissioning
- Facade Assessment
- Peer Review
- Historic Preservation
- Repair and Rehabilitation Design

#### REGISTRATIONS

- Architect in IL
- LEED Accredited Professional

#### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council-Chicago

#### TECHNICAL COMMITTEES

- ASHRAE Technical Committee - 4.4 Building Materials and Building Envelope Performance
- ASTM E06.55- Performance of Building Enclosures
- LEED Energy & Atmosphere Technical Advisory Group

#### CONTACT

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#### EXPERIENCE

Elizabeth Cassin has extensive experience with building enclosure commissioning and peer review services, condensation investigation, hygrothermal analyses of various facade systems, investigation and repair design of distressed conditions in building facades, and historic preservation. Her specific expertise includes the evaluation of building enclosures with respect to their control and response to environmental loads, including curtain wall and window systems, sloped glazing and skylights, cladding, air barrier, and insulation system performance. Ms. Cassin has also performed investigations and condition surveys on numerous building types for a variety of building enclosure systems. Such investigations oftentimes result in the development of repair designs to remediate distressed or defective building enclosures.

#### REPRESENTATIVE PROJECTS

##### Building Enclosure Commissioning

- University of Iowa, Biological Research Support Facility - Iowa City: Building enclosure commissioning agent (BECxA) for 52,000-square-foot research facility
- Argonne National Laboratory, Energy Sciences Building, - Argonne, IL: BECxA for 150,000-square-foot office and laboratory building, metal panel rain screen cladding, aluminum and glass curtain wall, and skylight
- Jefferson Barracks National Cemetery Administration Building - St. Louis, MO: BECxA for remodeling and addition of administration building
- Advocate Christ Medical Center, New Ambulatory Pavilion - Oak Lawn, IL: BECxA for two-story operating room addition
- Confidential Project: BECxA for approximately 1.7 million-square-foot LEED Platinum office tower
- Wisconsin Institutes for Discovery, University of Wisconsin-Madison: Associate building enclosure commissioning for 300,000-square-foot office and laboratory building, terra cotta and metal panel rain screen cladding, aluminum and glass curtain wall and skylights

- University of Iowa, West Campus Residence Hall - Iowa City: Building enclosure commissioning of ten-story high-rise residence hall
- University of Iowa, Hancher Auditorium - Iowa City: Exterior cladding peer review and enclosure commissioning
- University of Iowa Children's Hospital - Iowa City: Building enclosure commissioning of Norman Foster-designed exterior envelope

##### Peer Review

- Cleveland Medical Mart and Convention Center - Cleveland, OH
- University of Rhode Island, Hillside Hall - Kingston, RI
- Cox Medical Center South Emergency Department - Springfield, MO
- University of Colorado Boulder, Systems Biotechnology Building
- Forest Park Medical Center, Dallas, Texas
- Champaign Unit 4 School District - Champaign, IL: Two schools

##### Facade Assessment

- Integrated DNA Technologies Building - Coralville, IA: Thermal analysis
- John C. Kluczynski Federal Building - Chicago, IL: Thermal analysis
- Meriter Hospital - Madison, WI: Curtain wall condensation investigation

##### Historic Preservation

- Old McLean County Courthouse - Bloomington, IL: 1900s limestone, granite, and marble facade
- Santa Fe Building - Chicago, IL: 1910s terra cotta facade
- Chicago Theatre - IL: 1920s terra cotta facade
- 188 West Randolph (Randolph Tower)- Chicago, IL: 1920s terra cotta facade

##### Repair and Rehabilitation Design

- Brantford General Hospital - Brantford, Ontario: Window replacement and water leakage investigation
- Presbyterian Hospital of Greenville - Greenville, TX: Brick masonry facade investigation and recladding