

### Ian R. Chin | Vice President and Senior Principal



#### EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Architecture, Architecture, 1969
  - Master of Science, Structural Engineering, 1971

#### PRACTICE AREAS

- Facade Assessment
- Failure/Damage Investigation
- Pavement Investigation
- Peer Review
- Litigation Consulting
- Repair and Rehabilitation Design

#### REGISTRATIONS

- Architect in CT, IL, IN, MA, MI, MN, MT, NV, NJ, NY, OH, SC, TX, VA, and WI
- National Council of Architectural Registration Boards Certificate (NCARB)
- National Council of Examiners for Engineering and Surveying (NCEES)
- Professional Engineer in IL, NC, OH, and WI
- Structural Engineer in IL and NV

#### CONTACT

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#### EXPERIENCE

Ian Chin is an architect with significant experience in solving problems in exterior facades on buildings. He is also a structural engineer who is relied upon to determine the cause of problems in the structural systems of buildings. Mr. Chin has authored many published papers and has made numerous presentations on the evaluation of problems in facades and structural systems on buildings. He has also provided testimony as an expert witness on many of the projects he has worked on.

Mr. Chin's projects include low- and high-rise buildings; structural steel buildings; conventionally reinforced and prestressed concrete structures; timber-framed structures; stone, brick, terra cotta, concrete block, EIFS, and stucco exterior facades; windows; and glass and metal curtain walls. He has designed repairs, developed construction documents, and provided field observation services for these structures and facade systems.

#### REPRESENTATIVE PROJECTS

##### Facade Assessment

- Duneridge Resort - Wrightsville Beach, NC: Investigation of EIFS failure
- Reliance Building - Chicago, IL: Terra cotta investigation
- 425 Notre Dame Building - New Orleans, LA: Evaluation of windows
- Virginia Polytechnic Institute and State University, Torgersen Hall - Blacksburg, VA: Hokie stone veneer investigation
- Art Museum - Indiana University, Bloomington, IN: Concrete facade evaluation

##### Failure/Damage Investigation

- John Hancock Center - Chicago, IL: Evaluation of suspended scaffold failure
- One Meridian Plaza - Philadelphia, PA: Post-fire evaluation of high-rise building
- Playskool Warehouse - Chicago, IL: Prestressed concrete failure
- Weyerhaeuser Building - Bowling Green, KY: Structural steel frame collapse

##### Pavement Investigation

- University of Chicago - IL: Evaluation of stone pavers in main quadrangle

##### Peer Review

- AT&T Tower - Minneapolis, MN: Peer review of glass curtain wall
- Yale Medical School Building - New Haven, CT: Peer review of facade

##### Litigation Consulting

- Anchorage Towers - Baltimore, MD: Brick facade (umpire for experts)
- Post Office - Chicago, IL: Construction collapse (jury trial)
- Playskool Warehouse - Chicago, IL: Prestressed concrete failure (jury trial)
- R. J. Reynolds Building 611-616 - Winston-Salem, NC: Brickwork facade (arbitration)
- Plaza in Clayton, MO: Reinforced concrete structure (arbitration)

##### Repair and Rehabilitation Design

- Amoco Building (now Aon Center) - Chicago, IL: Marble facade investigation and recladding design using granite
- R. J. Reynolds Building 611-16 - Winston-Salem, NC: New brickwork facade
- Duke University Chapel - Durham, NC: Repair design of vaulted stone ceiling system

##### TECHNICAL COMMITTEES

- ASTM C12 - Mortars and Grouts for Unit Masonry
- ASTM C15 - Manufactured Masonry Units
- ASTM C18 - Dimension Stone
- ASTM C24 - Building Seals and Sealants
- ASTM E06 - Performance of Buildings

##### PROFESSIONAL AFFILIATIONS

- ASTM International
- Brick Institute of America, masonry consultant
- Chicago Committee on High-Rise Buildings (CCHRB), past chair
- City of Chicago Committee on Standards and Tests
- Structural Engineers Association of Illinois (SEAOI)