



# Professional Profile

**MICHAEL F. WISCONS, SE, PE**  
**Principal – STRUCTURAL ENGINEERING**  
mwiscons@btc.expert

Mike Wiscons is Principal – Structural Engineering at Building Technology Consultants, Inc.

## REGISTRATIONS

- Licensed Structural Engineer (**SE**), Illinois
- Licensed Professional Engineer (**PE**), Illinois, Wisconsin, Minnesota, Pennsylvania
- Certified Construction Specifier (**CCS**)
- Certified Construction Contract Administrator (**CCCA**)
- Construction Documents Technologist (**CDT**)



## PROFESSIONAL EXPERIENCE

Prior to joining Building Technology Consultants, Inc. in 2014, Mike Wiscons was employed by Inspec, Inc. in Chicago, Illinois from 2007 to 2014, Hutter Trankina Engineering in Wayne, Illinois from 1998 to 2007, Larson Engineering of Illinois in Naperville, Illinois from 1993 to 1998, Charles E. Pease Associates in Park Ridge, Illinois from 1987 to 1993, and Sargent and Lundy Engineers in Chicago, Illinois from 1983 to 1987.

His professional experience includes:

- **Facade** evaluations;
- **Structural** condition **assessments**;
- **Forensic** investigations;
- **Structural analysis**;
- Project **management**;
- Repair **design** and preparation of **contract documents**;
- Construction **contract administration**; and
- Construction **observations**

Mike Wiscons has managed over 300 structural and building facade projects. These projects have included **steel**, **concrete**, **masonry**, and **timber** building systems on institutional, governmental, industrial, historic, commercial, and residential buildings, as well as parking garages and wastewater treatment facilities.

## EDUCATION

Mike Wiscons earned his **Bachelor of Science** degree in Civil Engineering from the **University of Illinois** at Urbana-Champaign in 1982. He earned a **Master of Science** degree in Civil Engineering from the **University of Illinois** at Urbana-Champaign in 1983.

Since his graduation, he has attended numerous seminars and symposia related to exterior wall technology and structural restoration.

## PROFESSIONAL ACTIVITIES

- Member of Structural Engineers Association of Illinois (**SEAOI**)
- Member of International Concrete Repair Institute (**ICRI**)
- Member of Building Enclosure Council – Chicago (**BEC**)
- Professional Member of American Institute of Steel Construction (**AISC**)
- Associate Member of American Society of Civil Engineers (**ASCE**)

## PUBLICATIONS

- Wiscons, M., Farahmandpour, K., and Seegebrecht, G. "**Key Design Considerations for Concrete Topping Slabs in Split-Slab Construction**" Interface, November/December 2021
- Wiscons, M. and May, J. "**Fall Arrest Anchorage: The Right Testing Procedure for Your Project**" Interface, August 2016
- Wiscons, M. and Kilpatrick, D. "**Repair of Above-Roofline Parapet Walls on Vintage Structures**" Interface, March 2012
- Wiscons, M. "**Take Good Care of Building Facades**" Buildings Magazine, February 1, 2010

## PRESENTATIONS

Mike Wiscons was a co-presenter at CAI Illinois Condo-HOA Conference and Expo 2022. He spoke on the topic of Pillars of Structural Safety: Maintenance.

## MENTORSHIP

Mike Wiscons is a mentor for Illinois Science and Technology Coalition. He mentors high school students in a STEM education-focused nonprofit program.

## REPRESENTATIVE PROJECTS

### **1620 South Michigan Avenue Condominiums** – Chicago, IL

Responsible for construction documents, bidding assistance, and construction phase services associated with **exterior facade** and **balcony repairs** for a 12-story tall, post-tensioned concrete frame building. Restoration of deteriorated areas of concrete was included in repairs. Work incorporated elevated walkway slab reinforcement, identified during construction. Traffic-bearing membrane was replaced on all balconies prior to completion of work.

### **AML Deerfield Development** – Deerfield, IL

Responsible for **building envelope** consulting services on new construction of a 4-story, 240-unit residential wood-framed building. Exterior wall finishes included **brick** with **cast stone** accents, and **fiber cement** siding and trim. Roofing system was revised from single-ply membrane to modified bitumen to accommodate winter construction. Work included peer review of material submittals, attendance at contractor coordination meetings, and periodic site visits to review construction.

### **St. Regis Condominiums Parking Garage** – Lombard, IL

Responsible for construction documents, bidding assistance, and construction phase services associated with **concrete repairs** and **waterproofing repairs** for a basement-level **parking garage**. On-going **water leakage** and **deterioration** of the concrete roof slab required removal of existing bituminous pavement at parking areas, and soil at landscaped areas. Concrete repairs included extensive top, underside, and full-depth repairs, including replacement of reinforcing steel. Waterproofing repairs included traffic bearing membrane (TBM) at parking areas, 2-ply modified bitumen waterproofing membrane at landscaped areas, and installation of new parking deck and green roof drains.

### **Malibu East Condominium** – Chicago, IL

Responsible for construction documents, bidding assistance, and construction phase services associated with **parking garage** repairs, and repairs to boat dock adjacent to Lake Michigan. Several different types of parking garage repairs were performed during the project including application of traffic bearing membrane, replacement of deficient **expansion joints**, and **concrete repairs**. Repairs to the boat dock were necessitated by ongoing outward movement of sheet piling along the lake. An innovative approach to provide lateral bracing of the sheet piling, using a structural slab that connected the top of the lake retaining wall to the building structure, was implemented.

**St. Patrick Catholic Church** – St. Charles, IL

Responsible for evaluation, design, bidding assistance, and construction phase services associated with **repairs** to secure **limestone** accents over door and window openings at an elementary school. Initial construction of limestone veneer over masonry openings caused conditions where large pieces were loose and could be removed by hand. Work included removing loose limestone veneer, installing through-wall flashing, and securely anchoring the veneer to structure.

**Michigan Avenue Lofts Condominiums** – Chicago, IL

Responsible for construction documents, bidding assistance, and construction phase services associated with **facade repairs** on a high-rise condominium building. Repairs were performed in multiple phases to restore the exterior of the building. Work primarily included repair and replacement of **terra cotta** cladding. Traffic bearing membrane was also applied to exterior concrete balconies.

**5910 North Sheridan Road Building** – Chicago, IL

Responsible for **structural** design and construction phase services associated with **balcony reconstruction** on a 7-story apartment building. Original balconies with excessive deflection cantilevered from the north and east elevations. New steel balcony framing, supported by diagonal steel pipes, was designed to replace the original balconies, and allow for shop-fabrication to reduce construction costs. Work included on-site review of modular balcony sections, which were shipped to the field, and installed into place.

**1918 South Michigan Avenue Condominiums** – Chicago, IL

Responsible for evaluation and design of **structural reinforcement** of a deteriorated **wood beam** on the upper floor of a condominium building. Work included coordination with a roofing contractor to perform exploratory openings to identify the extent of the beam's deterioration. Upon completion of the evaluation, shoring was installed such that reinforcement for the beam could be implemented. After repairs were completed, the interior of the unit was restored to its original appearance.