



AMLI 808 is a new 17-story mixed-use luxury apartment building with nearly 4,700 square feet of ground floor commercial space. The facade of the lower 5 floors is comprised of brick veneer with large window openings. The exterior of the upper levels consists of a window wall system with pre-finished aluminum slab-edge and column covers. Private terraces and a green roof are located at the 6<sup>th</sup> floor level. An amenity area, including a 4-foot-deep swimming pool, is located at the 16<sup>th</sup> floor level.

BTC was retained to provide building envelope consulting services during the design and construction phases of the project. Our scope of work included extensive design assistance for the window systems, which included assessment of value engineering proposals, establishing quality control parameters, and review of window fabrication procedures at the manufacturer's plant.

BTC was actively involved in review of product submittals during the construction phase to ensure proper materials were being used. Several site visits were performed during construction to verify conformance with design documents. During the site visits, BTC discussed construction procedures with various subcontractors to ensure work performed by different trades were properly coordinated.

BTC worked closely with the construction manager during the construction phase, and witnessed air and water leakage testing of several window assemblies. Upon substantial completion of the project, all design criteria for the windows were met.

BTC's construction phase services also included review of masonry installation and associated flashing details. On-site review included waterproofing systems and roofing installation details.

**Project Name:**

*Building Envelope Consulting Services  
AMLI 808*

**Project Location:**

*808 North Wells Street  
Chicago, Illinois*

**Client:**

*AMLI Residential  
141 West Jackson Boulevard  
Chicago, Illinois*

**Approximate Construction Cost:**

*Confidential*

**Year Completed:**

*2021*

**Nature of Services:**

*Design Document Review, Window  
Fabrication Process Review, Submittal  
Review, and Field Observation Services*

