



The Hogan Building is a 5-story concrete frame building constructed in the late 1960s. The facade consists of textured limestone panels with mahogany windows arranged in a vertical strip fashion. The windows are offset at every floor resulting in various window widths at each vertical group of windows.

Peeling paint, deterioration of the window frames, and a desire for an aesthetic upgrade to the window system led to the owner seeking BTC's assistance for this project. The Owner desired the aesthetic appeal of a modern aluminum window system to match adjacent campus buildings, but the cost of installing a new aluminum window or curtain wall system and the associated disruptions to building operations and existing interior finishes were prohibitive.

To address these concerns, BTC developed a custom-designed cladding system to be installed over the existing wood windows. This system consisted of custom-extruded aluminum pressure bars and pre-finished mullion beauty caps. Repairs were performed entirely from the building exterior, and included full replacement of the existing glass and localized repairs to deteriorated portions of the wood frames.

In addition to the window repairs, full perimeter sealant replacement and localized patch repairs were performed at the limestone facade panels.

BTC also provided bidding assistance and field observation services during the construction phase of the project.

**Project Name:**  
*Hogan Building, Northwestern University*

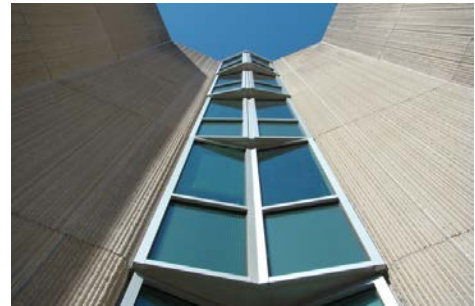
**Project Location:**  
*Evanston, Illinois*

**Client:**  
*Northwestern University  
2020 Ridge Avenue  
Evanston, Illinois 60208*

**Approximate Construction Cost:**  
*\$1,900,000*

**Year Completed:**  
*2009*

**Nature of Services:**  
*Evaluation, Repair Design, Bidding Assistance, and Construction Phase Services*



2011 SWRIInstitute Trinity Award