



Naperville Financial Center is a 5-story steel frame commercial building constructed in 1986. The building features a glass and aluminum curtain wall facade, with several set-back patios at the upper 2 levels of the building.

Several ongoing water leaks were reported by the client. BTC's evaluation of the curtain wall revealed extensive deterioration of the glazing gaskets. In addition, water testing performed by BTC revealed deficiencies at the curtain wall subsills and the interfaces between patio parapet walls and the curtain wall system.

Subsequently, BTC prepared recommendations for alternative repair approaches, including replacing all glazing gaskets, retrofit of the existing curtain wall system with new custom-extruded pressure bars and mullion caps and installation of new wet glazing, and wet sealing of all existing joints between aluminum and glass components. The Owners selected the retrofit option. The repairs were designed by BTC and included removal of the existing mullion caps, installation of new aluminum pressure bars and beauty caps over the existing curtain wall mullions, and installation of new wet glazing at all window perimeters. Other repairs performed included installation of new custom-fabricated sheet metal coping caps at patio and roof parapets, and replacement of the waterproofing systems at the set-back patios.

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

**Project Name:**  
*Naperville Financial Center*

**Project Location:**  
*Naperville, Illinois*

**Client:**  
*Pritchett Realty Corporation  
2777 Finley Road, Suite 23  
Naperville, Illinois 60515*

**Approximate Construction Cost:**  
*\$700,000*

**Year Completed:**  
*2009*

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

