



Project Profile



Weber Leisure Center is a 2-story steel and masonry frame structure. The original portion of the building was constructed in 1966 and acts as an indoor ice rink. Additions to the building were constructed in 1996 and 1998. After construction of these additions, water leakage was reported in several areas throughout the addition. One area that seemed to have persistent leaks was the interface between the 1996 addition and the original building.

The exterior of the original building consists of various types of construction. The predominant type of exterior wall for the original building is concrete masonry unit (CMU) construction. The 1996 addition exterior walls are typically clad with an exterior insulation and finish system (EIFS) placed over light-gauge metal studs and glass fiber faced gypsum sheathing. However, portions of the additions are clad with a brick veneer over CMU back-up.

The building had suffered repeated water leakage at various locations. BTC was retained to evaluate the sources of water infiltration. The evaluation consisted of review of the original design drawings, field investigation including water testing and exploratory openings, and analysis of our findings. During the evaluation, BTC found extensive cracking and sealant joint deterioration on the building facade, as well as deficiencies in the original construction of the building. Subsequently, BTC was retained to design repairs for rehabilitation of the facade. The repairs included sealant replacement, retrofitting several sheet metal sill ends, re-cladding portions of the exterior walls, roof repairs, and coating of the EIFS. BTC also assisted the Owner during the bidding and construction phases of the project.

Project Name:
Weber Leisure Center

Project Location:
Skokie, Illinois

Client:
*Weber Park
9300 Weber Park Place
Skokie, Illinois 60077*

Approximate Construction Cost:
\$450,000

Year Completed:
2007

Nature of Services:
*Evaluation of Exterior Sealant Joints,
Roof Leaks and EIFS System.
Development of Repair Documents,
Bidding Assistance and Construction
Phase Services*

