

SHERBROOK POOL REHABILITATION OF AIR & VAPOUR BARRIERS

City of Winnipeg, Parks and Recreation Department

Winnipeg, Manitoba



Project Description

KGS Group was retained by City of Winnipeg to carry out detailed design for a complete rehabilitation of the building envelope for the Sherbrook Pool, a public swimming pool in the city of Winnipeg. The Sherbrook Pool was constructed in the early 1930's and its construction is unique relative to all other City pools. Its typical wall construction consists of 3 wythes of load bearing brick masonry, 1-1/2 inch cork insulation and an interior plaster finish. The exterior wythe of brick was experiencing freeze-thaw deterioration primarily due to air leakage at specific locations. An earlier investigation and study by KGS Group and Morrison Hershfield identified air leakage sites including wall to window connections, roof to wall connections. The ventilation and humidity control in this pool was also identified as inadequate.

The rehabilitation work included extensive wall reconstruction to provide for effective and continuous air barriers. In addition, the interior was refinished, windows were replaced and roof systems were modified and protected from corrosion. The mechanical ventilation system was upgraded to provide proper ventilation, humidity control and pressurization control.

KGS Group provided contract administration and detailed design inspection services for the \$1.4 Million project.