



IRC GROUP
Building Science Engineers & Consultants

BUILDING ENVELOPE
ROOFING
STRUCTURAL ENGINEERING

PROJECT PROFILE – *Building Envelope*

Project Name: Bedford Park Public School, Toronto, ON
Historical Masonry Facade Restoration



Description

Bedford Park Public School was constructed in six (6) phases between 1911 and 1931. A pool was added in 1971. Deteriorated stone and clay brick masonry was present at all elevations of the historic areas of the building.

Objective

The objective of the project was to restore the masonry façade, eliminate potential safety hazards and provide a service life equal to, or exceeding, the original construction.

Challenges

All work had to be completed over the school summer holidays to prevent conflict with school operations and potential safety issues. Planning and coordination of the project was required in advance to ensure the project was completed on time. The restoration work was required to preserve the character and materials of the historical building while ensuring the repairs were effective and long lasting.

Solutions

The project included reconstruction of three (3) entrance stairs and two (2) chimneys to repair long-term moisture damage. Deteriorated stone masonry was dismantled, repaired or replaced and then reconstructed to maintain their historical features. The decorative sheet metal cornice was repaired and refinished. All work incorporated improved masonry detailing to provide better water management for the façade and to prevent the damage in the future.



Deteriorated masonry stair prior to replacement.



Stair after replacement

For more information, please contact IRC Group at 1-888-607-5245.

IRC Building Sciences Group Inc.
7565 Danbro Crescent,
Mississauga, Ontario L5N 6P9

Email: mississauga@ircgroup.com
Web Site: www.ircgroup.com