



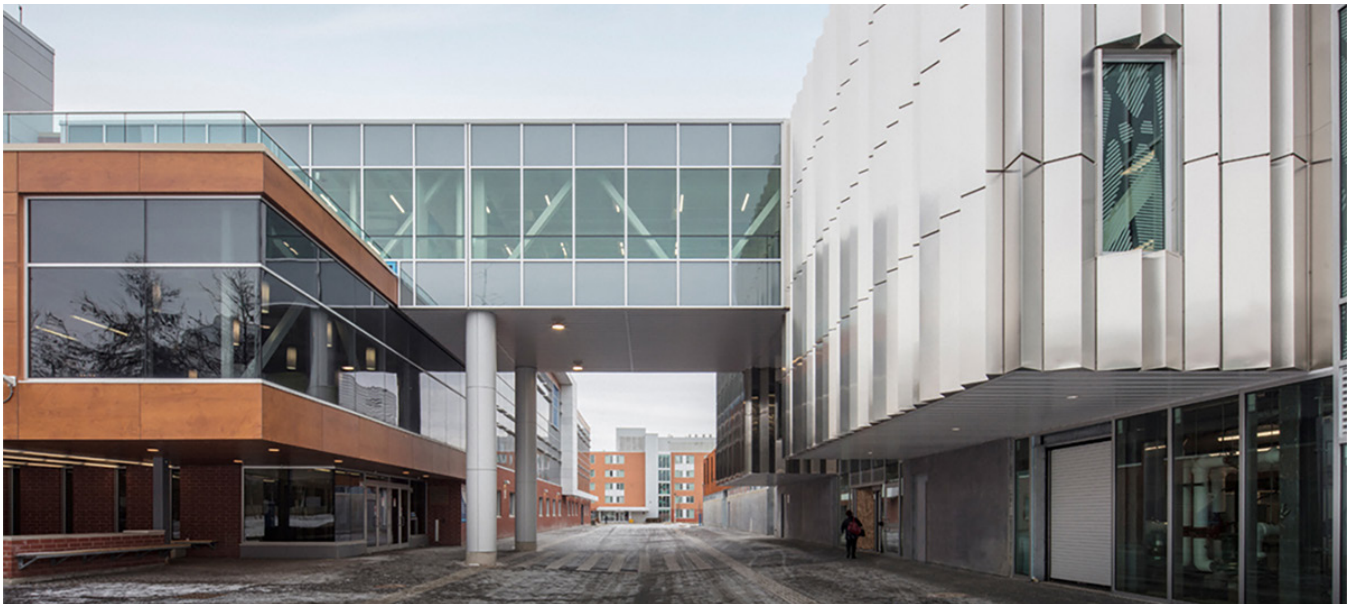
Sheridan College

Location:
Ontario, Canada

Application:
Educational/College and University

Install Type:
Retrofit

Products:
Hybrid FRP Door (SL-17)
Pultruded Fiberglass Frame (AF-150)



Overview

Founded in 1967 near Toronto, Ontario, Sheridan College began with modest roots but has grown into a leading postsecondary educational institution attracting students across Canada and the world. It serves over 35,000 students across three campuses, including the Trafalgar Road Campus in Oakville.

Sheridan employs more than 4,700 full-time and part-time employees, including those within the Facility Services Department. This department is divided into Facility Services Operations and Facility Services Projects. The projects team handles new construction, while the operations team maintains over a dozen buildings across the three campuses. With that many students and staff on campus annually, the work of the Facility Services department is crucial.

One notable employee is Hunter Kirkpatrick, a project manager with a hybrid role between Operations and Projects. A graduate of Sheridan’s

Architectural Technology program, Hunter oversees the maintenance of all building exteriors, including windows, doors, walls, and roofs, including thermal efficiency.

Challenge

Hunter identified two significant issues with the entrances at Sheridan’s facilities: corrosion due to snow-melt salt and air leakage. Hollow metal doors and frames were deteriorating and failing to seal properly, either letting in daylight or sealing so tightly they wouldn’t open easily.

Solution

Hunter collaborated with their local Dugan Associates Sales Rep, who introduced him to Special-Lite’s fiberglass products to mitigate corrosion and improve thermal efficiency. Hunter observed a significant improvement after retrofitting the first set of doors with Special-Lite.





Outcome

The new Special-Lite SL-17 hybrid doors and AF-150 pultruded fiberglass framing at the Trafalgar Road entrance provided a perfect balance. The doors sealed well to maintain thermal efficiency while operating smoothly. Hunter noted the consistent seal and smooth operation, emphasizing Special-Lite success in addressing air leakage and corrosion issues.

By the Numbers

The combination of an SL-17 Hybrid FRP Door with AF-150 Fiberglass Framing offers superior thermal efficiency:

	For Opaque Swinging Door (< than 50% glass)	For Commercially Glazed Swinging Entrance Door (> 50% glass)
Thermal Transmittance per NFRC 100	U-Factor = 0.32 Btu/hr•ft ² •°F.	U-Factor = 0.57 Btu/hr•ft ² •°F.
Air Leakage per NFRC 400, ASTM-E283	0.12 cfm/sqft @ 1.57 psf. 0.06 cfm/sqft @ 6.24 psf.	0.04 cfm/sqft @ 1.57 psf. 0.14 cfm/sqft @ 6.24 psf.