

Humber Deep Energy Retrofit Building NX

Location: Etobicoke, ON

Client: Humber College

Construction Manager: Bird Construction

Architect: B+H Architects

The original Building NX was built in 1989 and consists of aluminum curtain walls and spandrel panels, as well as a glass vestibule with a glazed roof. The interior of the building was known to be cold in the winter and warm in the summer, causing discomfort for the occupants. As part of Humber's Integrated Energy and Water Master Plan (IEMP), they have decided to do an envelope retrofit that is extremely insulated and airtight, as well as doing energy efficient upgrades on the HVAC, lighting, and PV system. Humber plans on achieving the EnerPHit Certification and lead by example on how to perform deep energy efficiency retrofits in Canadian climate.

