



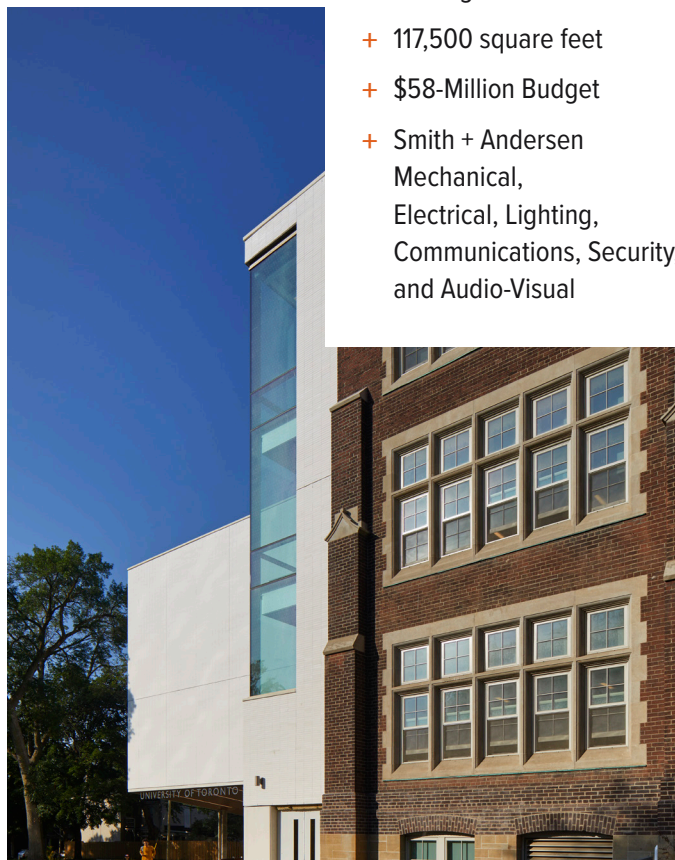
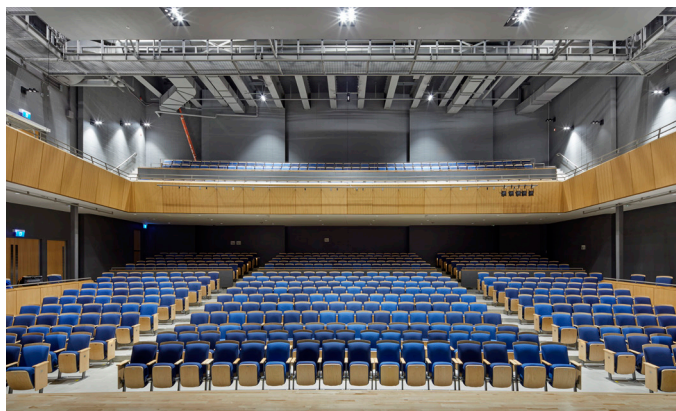
UNIVERSITY OF TORONTO SCHOOLS RENEWAL

TORONTO, ON



QUICK FACTS

- + Construction Management / Bid-Spec Delivery
- + Addition and Renovation
- + Heritage
- + 117,500 square feet
- + \$58-Million Budget
- + Smith + Andersen Mechanical, Electrical, Lighting, Communications, Security, and Audio-Visual





UNIVERSITY OF TORONTO SCHOOLS RENEWAL

ABOUT THIS PROJECT

- + Addition and renovation of a portion of the existing University of Toronto Schools (UTS) building, located at the University's Bloor Street Campus in Toronto.
- + New space features a 600+ seat auditorium, an entirely below-grade gym, science labs, and a four-storey atrium.
- + Completely replaced all existing mechanical and electrical systems.
- + Decoupled HVAC system with outdoor air delivered directly to each zone, served by fan coil units, utilized in both the existing UTS building and addition to meet energy efficiency targets.
- + Demand control ventilation with CO2 sensors in each zone control the amount of outdoor air supplied to each room.
- + A heat recovery chiller provides heating during low-demand periods (summer, shoulder seasons, etc.).
- + Decoupled HVAC system reduced the size of ductwork needed, which helped to accommodate heritage building's low floor-to-ceiling heights.
- + Energy efficient LED lighting fixtures and controls are used throughout the facility.
- + Perimeter diffusers feature automatic switchover, which directs air in the most efficient manner depending on temperatures.
- + Additional energy efficiency measures include heat recovery air handlers and condensing boilers with low heating water temperatures.
- + Section of the building occupied by University of Toronto remained operational during the renovation.
- + Existing fire alarm system remained functional throughout the renewal.
- + The auditorium design includes DMX-controlled lighting, catwalks, motorized banners, and lineset rigs.
- + Design shadows a LEED Silver scorecard.
- + Design includes a double-ended substation with liquid-filled transformers, as well as an air-tight roof-top-mounted natural gas generator.

LOCATION

Toronto, ON

SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical,
Lighting, Communications,
Security, Audio-Visual

KEY TEAM MEMBERS

University of Toronto
Diamond Schmitt Architects
RJC Engineers
Eastern Construction
JLL
Novita Techne

SIZE

117,500 sq. ft. (10,916 sq. m.)

BUDGET

\$58 Million

COMPLETION YEAR

2022

HOT BUTTONS

CM DELIVERY

HERITAGE

HIGH-EFFICIENCY

UNDERFLOOR AIR

LABORATORY

EDUCATION

RENOVATIONS

ADDITION