



APPLEBY COLLEGE MEMORIAL CLASSROOM RENOVATION

ABOUT THIS PROJECT

- + Retrofit to the Memorial Classroom building over two summers to modernize and improve lighting, HVAC, and life safety systems.
- + Throughout the first summer, a central core of services (and new washrooms) was installed from the roof to the basement, housing all the mechanical and electrical infrastructure required for the following summer's work.
- + The second summer consisted of the major upgrades to the classrooms and corridors extending the infrastructure from the first summer's work.
- + Mechanical design included a decoupled HVAC system for heating and cooling due to the low floor-to-floor heights (which was common in this type of vintage building) and a VRF system.
- + Variable volume refrigerant system was chosen to better fit the building and offer energy efficiency.
- + Removed and replaced the existing heating system (including distribution) with electrical base board heating in order to reduce capital costs and replace failing systems.
- + Provided a heat recovery ventilator to exhaust the washrooms and recover heat for classroom ventilation.

LOCATION
Oakville, ON

**SMITH + ANDERSEN
SERVICES PROVIDED**
Mechanical

SIZE
16,000 sq. ft. (1,486 sq. m.)

BUDGET
\$4.1 Million

COMPLETION YEAR
2015

HOT BUTTONS

POST-SECONDARY

CLASSROOMS

MECHANICAL DESIGN

