UNIVERSITY OF TORONTO
LASH MILLER DAVENPORT WING

ABOUT THIS PROJECT

- Two-phase project that involved the preparation of the building for an addition, followed by the construction of two floors of research laboratories above the existing two floors of teaching laboratories.
- A manifolded, variable volume exhaust and make-up system presented the opportunity to downsize equipment on the assumption that there should be diversity in the system.
- The installation of a dual compressor chiller provided a degree of redundant cooling capacity, while heating for the new addition was drawn from the existing heating system.
- Laboratory services included nitrogen, natural gas, vacuum, compressed air, deionized water, and domestic water.
- The building is controlled through the University of Toronto's Central Computer Management System (CCMS).
- Parallel back-up control system was implemented for all critical laboratory systems.
- The security system includes Door Access Control tied to the base building infrastructure and server based Video Management system for recording and storage of video on the facility network with strategically located IP cameras.

LOCATION
Toronto, ON

SMITH + ANDERSEN SERVICES PROVIDED
Mechanical

SIZE
50,000 sq. ft. (4,647 sq. m.)

BUDGET
$10.5 Million

COMPLETION YEAR
2001

HOT BUTTONS

POST-SECONDARY | LABORATORY | MECHANICAL DESIGN