



Archives of Ontario & York University Tower



PROJECT DETAILS

LOCATION:
ONTARIO – GREATER
TORONTO

MARKET SECTOR:
GOVERNMENT

DELIVERY METHOD:
P3

The Archives of Ontario is the second largest archives in Canada, with unique records dating back to the late 16th century. The archives contains everything from hand-written ledgers to electronic files, hand-drawn maps, architectural drawings, photographs, films and sound recordings.

We provided all mechanical services for this P3 project, including plumbing, heating, piping, ductwork, sprinklers, and building controls. The project was conducted in two phases: first to build the archives and then to build a new office tower for York University. The two buildings share a common podium and mechanical room, but two completely separate mechanical systems.

A critical system in this project was the automated control system that we designed, installed, and tested. The air in 13 archival vaults must be monitored for five gasses. We worked with partners to invent and manufacture the first system of its kind to monitor all five gasses provided for in the specification. The resulting system measures the gasses down to micrograms per cubic metre (or parts per billion).

We tested and proved the system by monitoring the status of the gasses in the archives continuously over a 60-day “purge period”. Our building management system (BMS) successfully met the requirement for zero deviation from spec during that period.

The Archives of Ontario achieved LEED-NC Silver certification and was runner-up for the Award of Excellence from the Canadian Design Build Institute (CDBI).