

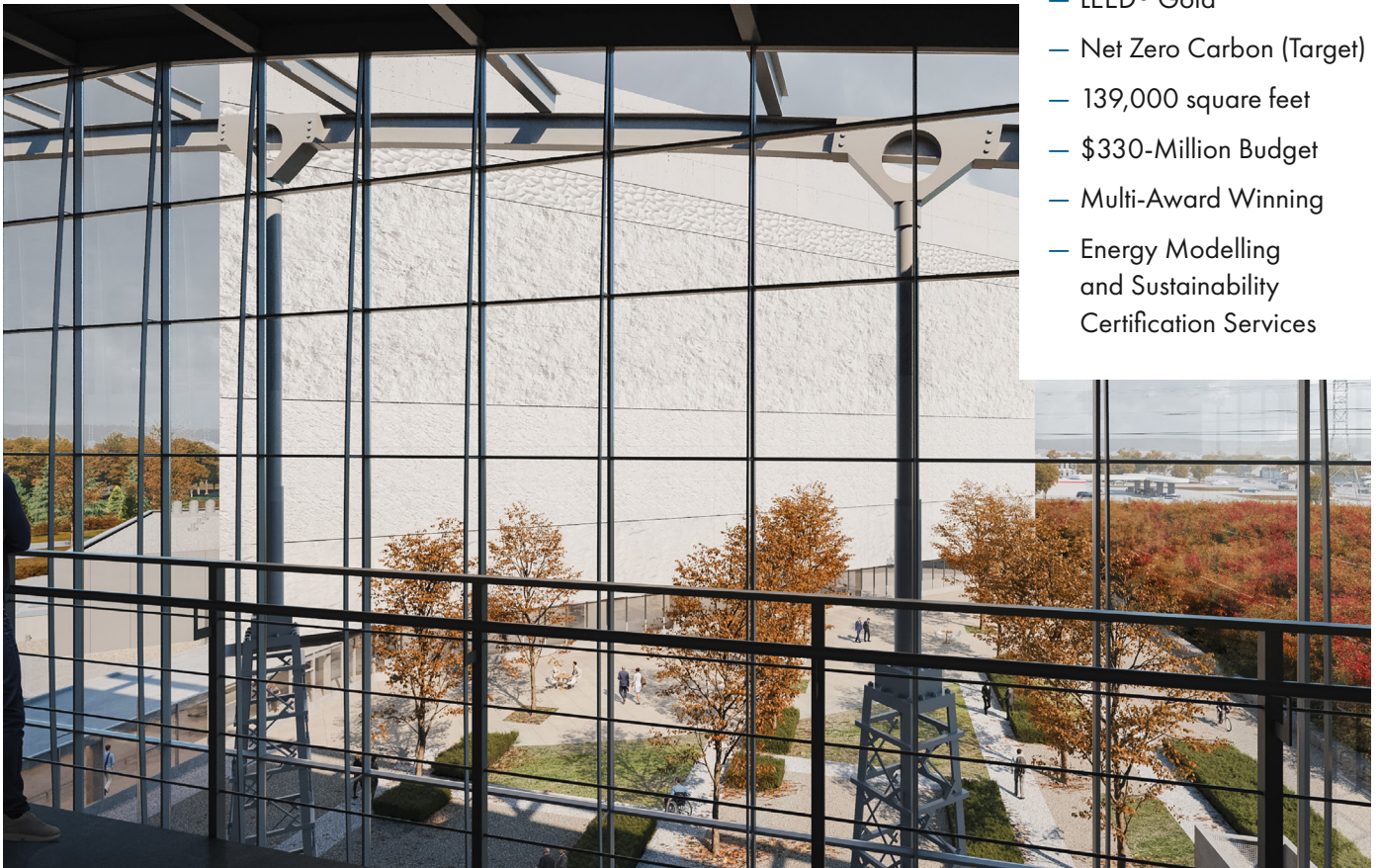
# Library and Archives Canada Gatineau 2 Preservation Storage Facility

GATINEAU, QC

footprint

## QUICK FACTS

- Preservation Storage Facility
- DBFM / P3 / AFP
- LEED® Gold
- Net Zero Carbon (Target)
- 139,000 square feet
- \$330-Million Budget
- Multi-Award Winning
- Energy Modelling and Sustainability Certification Services



RENDERINGS COURTESY OF B+H ARCHITECTS

# Library and Archives Canada Gatineau 2 Preservation Storage Facility

footprint

## ABOUT THIS PROJECT

- Ultra-modern preservation storage facility featuring resilient, climate-controlled, and energy-efficient sustainable design.
- Features six 200-feet long and 97-feet high climate controlled vaults. Five are kept at 10°C for optimal long term document life while the sixth vault is at 6°C for optimal video media storage.
- Engaged as the sustainability consultant, providing sustainability certification and energy modelling services.
- Achieved LEED Gold certification.
- Targeting net zero carbon (and will be the first preservation storage facility in the Americas of this status when this is achieved).
- An automated storage and retrieval system (ASRS) in each vault is used to store and retrieve archived materials. These regenerate energy as they descend.
- Strict indoor air quality management includes HVAC protection that covers and protects all exposed air inlets /outlets, openings, grilles, duct runs, plenums, etc., to prevent contamination.
- Sustainability design features a ground source heat pump system for low carbon building heating and cooling, and the implementation of low-emitting materials.
- Heat recovered from the vault and server cooling system heats the rest of the facility.
- Ventilation includes recovery of heat from the desiccant dehumidification system.

## HOT BUTTONS

ENERGY MODELLING	CIVIC	NET ZERO	LEED
SUSTAINABLE	NEW BUILD	MUSEUMS	DBFM / P3 / AFP



RENDERINGS COURTESY OF B+H ARCHITECTS

### LOCATION

Gatineau, QC

### FOOTPRINT SERVICES

Energy Modelling,  
Sustainability Certification

### SIZE

139,000 sq. ft. (12,900 sq. m.)

### BUDGET

\$330 Million

### COMPLETION YEAR

2022

### SUSTAINABILITY

LEED® Gold  
Net Zero Carbon (Target)

### AWARDS

National Awards for  
Innovation and Excellence  
in P3s, *Gold Award*  
(Infrastructure) (2022)

Real Property Institute of  
Canada (RPIC), *Design  
Excellence in Building and/or  
Infrastructure Projects Award*  
(2022)

National Awards for  
Innovation and Excellence  
in P3s, *Silver Award (Project  
Development)* (2019)