



# INGENIUM COLLECTIONS & CONSERVATION CENTRE

OTTAWA, ON

## QUICK FACTS

- + Museum Conservation Centre
- + Artifact Preservation, Restoration, & Storage
- + Design-Bid
- + Photovoltaics
- + 387,500 square feet
- + IES Illumination Awards, *Award of Merit - Interior Lighting Design* (2021)
- + Ottawa Urban Design Awards, *Special Jury Award of Merit* (2021)
- + Smith + Andersen Mechanical, Electrical, Communications, and Security



PHOTO CREDIT: doublespace photography



# INGENIUM COLLECTIONS CONSERVATION CENTRE

## ABOUT THIS PROJECT

- + The Collections Conservation Centre is a storage facility safeguarding thousands of Canadian heritage artifacts.
- + Features an archive and a library, various conservation labs, a digital innovation lab, workshops, and a new research institute.
- + Museum features smoke detection with early aspiration systems in all spaces, and an advanced fiber DC rectifier system, with UPS back-up power and a robust communication network.
- + Mechanical systems were designed to accommodate the centre's various environments / room types, and required a dedicated air handler for each space that maintains specific temperature and humidity levels.
- + HVAC systems were designed with filtration systems that provide sufficient air changes to prevent destructive chemical reactions to the artifacts.
- + Energy recovery units that pre-treat outdoor air were implemented for ventilation to minimize the effect on indoor air environments.
- + Electrical design included a double-ended main switchboard with special provisions for photovoltaic (PV) generation on the roof and PV window system design in the library.

### LOCATION

Ottawa, ON

### SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical,  
Communications, Security

### KEY TEAM MEMBERS

Diamond Schmitt Architects  
KWC Architects

### SIZE

387,500 sq. ft. (36,000 sq. m.)

### BUDGET

Confidential

### COMPLETION YEAR

2019

### AWARDS

IES Illumination Awards,  
*Award of Merit - Interior  
Lighting Design (2021)*

Ottawa Urban Design Awards,  
*Special Jury Award of Merit  
(2021)*

## HOT BUTTONS

MUSEUM

WAREHOUSE

PHOTOVOLTAICS

DESIGN-BID

FAST TRACK

FIT-UP SPACE

TENANT

OFFICE SPACE

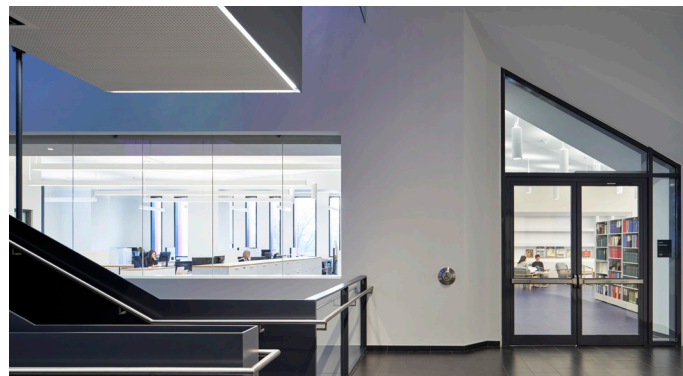


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