



# QUEEN'S UNIVERSITY MITCHELL HALL

## ABOUT THIS PROJECT

- + Physical Education Centre (originally built in the 1930s) was redeveloped into Mitchell Hall - a new campus hub which includes teaching and design studios, interdisciplinary research clusters, and flexible innovation space.
- + Mitchell Hall houses several open gyms, athletic, health, and exam centres, a central atrium, engineering maker spaces, 3D printing labs, dry labs, and wet labs.
- + Deliberate mechanical design decisions were made to meet the specific program requirements of each space and maintain the heritage facade components.
- + New heating and cooling systems to improve building's operational efficiency.
- + Close coordination was required to minimize ceiling space requirements.
- + Electrical service is fed from the existing internal university high voltage loop distribution system through the adjacent ARC building.
- + Power distribution system delivered via four separate risers in stacked electrical rooms.
- + Floor boxes in several large rooms allow for a clean, unobstructed view.
- + High efficiency LED luminaires are controlled by a fully programmable, networked lighting control system, allowing time of day function and occupancy sensors.
- + Atrium's architectural and structural elements are celebrated with luminaires that accent their features, including ceiling flood and tread level illumination.

### LOCATION

Kingston, ON

### SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical, Lighting,  
Telecommunications, Security

### SIZE

225,000 sq. ft. (20,903 sq. m.)

### BUDGET

\$89 Million

### COMPLETION YEAR

2019

### AWARDS

National Heritage Award,  
*Conservation - Engineering*  
(2020)

## HOT BUTTONS

POST-SECONDARY

RENOVATION

HERITAGE

SECURITY

MECHANICAL DESIGN

ELECTRICAL DESIGN

LIGHTING

TELECOMMUNICATIONS

