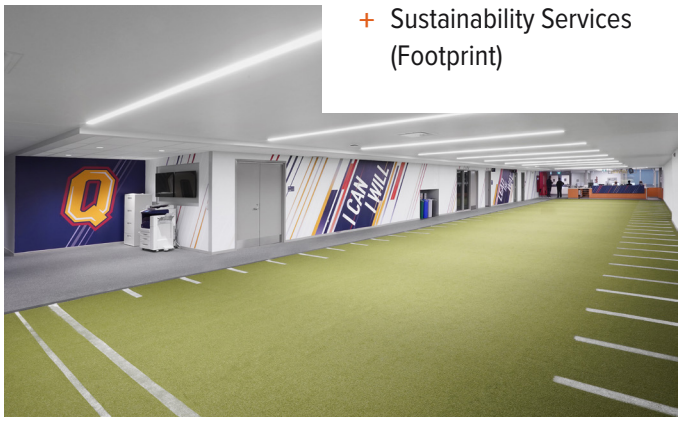
QUEEN'S UNIVERSITY MITCHELL HALL

KINGSTON, ON

QUICK FACTS

+ Post-Secondary
+ Renovation & Addition
+ Construction Management
+ 225,000 Square Feet
+ $150-Million Budget
+ Multi-Award-Winning
+ Smith + Andersen Mechanical, Electrical, Lighting, Communications, and Security
+ Sustainability Services (Footprint)



QUEEN'S UNIVERSITY MITCHELL HALL

ABOUT THIS PROJECT

+ Transformation of an existing physical education centre, originally built in the 1930s, into a modern campus hub with teaching and design studios, interdisciplinary research clusters, and flexible innovation space.
+ Features several gyms, athletic, health, and exam centres, a central atrium, engineering maker spaces, 3D printing labs, and dry and wet labs.
+ Deliberate mechanical design decisions were made to meet the specific program requirements of each space and maintain components of existing heritage façades.
+ New heating and cooling systems improve building's operational efficiency.
+ 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.
+ Lighting design, which includes ceiling flood and tread level illumination, highlights central atrium's architectural and structural elements.

LOCATION
Kingston, ON

SMITH + ANDERSEN SERVICES PROVIDED
Mechanical, Electrical, Lighting, Communications, Security

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

BUDGET
$150 Million

COMPLETION YEAR
2019

AWARDS
Kingston Livable City Design Awards, Award of Merit (2023)

National Heritage Award, *Award of Merit in Conservation: Engineering* (2020)

HOT BUTTONS

POST-SECONDARY | RENOVATION | HERITAGE | CM

MECHANICAL | ELECTRICAL | SUSTAINABLE | BIM (REVIT)