



UNIVERSITY OF WINDSOR

WINDSOR ARMOURIES BUILDING

ABOUT THIS PROJECT

- + The University of Windsor relocated the Music and Visual Arts programs to the Armouries building in downtown Windsor.
- + Historic building was renovated to accommodate growing number of enrolled students.
- + The Windsor Armouries building was constructed in 1902 in the Romanesque style.
- + The HVAC design included four indoor air handling units each serving an assigned dedicated zone within the facility: practice rooms, classrooms, studios, and the performance hall.
- + A stand-alone enthalpy wheel energy recovery unit was implemented to reclaim/reject heat from washroom and general exhaust.
- + The building cooling is provided by a high-efficiency air-cooled chiller and the building's heating is provided with two high-efficiency natural gas-fired condensing boilers.
- + BIM was used throughout the design process of the building.
- + Produced a mechanical systems model using Revit.
- + The building features the latest LED lighting and lighting controls for energy efficiency.

LOCATION

Windsor, Ontario

SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical,
Sustainability (Footprint)

SIZE

60,971 sq. ft. (5,664 sq. m.)

BUDGET

\$25 Million

COMPLETION YEAR

2017

AWARD

City of Windsor,
Built Heritage Award (2019)

HOT BUTTONS

POST-SECONDARY

RENOVATION

BIM (REVIT)

SUSTAINABLE DESIGN

MECHANICAL DESIGN

ELECTRICAL DESIGN

