



BRIDGEPOINT ACTIVE HEALTHCARE DON JAIL ADMINISTRATIVE BUILDING

TORONTO, ON



QUICK FACTS

- + Healthcare / Heritage Building
- + Redevelopment
- + 173,030 square feet
- + Smith + Andersen Mechanical, Electrical, Lighting, Communications, Security, Building Automation Systems





BRIDGEPOINT ACTIVE HEALTHCARE DON JAIL ADMINISTRATIVE BUILDING

ABOUT THIS PROJECT

- + Redeveloped the 150-year old historic Don Jail into a modern-day hospital administration and education space (exterior remained intact, and renovated the interior, preserving its historical significance).
- + Several focal features include the main rotunda, two levels of catwalks, glass floor, and entrance skylight. Jail cells now serve as private offices.
- + Extended the main hospital central heating and cooling plant distribution systems through the bridge and into the historic building to satisfy its demands.
- + Created upper level mechanical rooms housing central air handling units to provide systems in compliance with current heating, ventilation, and air conditioning healthcare standards.
- + Fitting the mechanical distribution within the existing building's 150-year-old floor-to-floor heights (appropriate at a time when perimeter heating was the only mechanical system employed) proved to be challenging.
- + Developed solutions to minimize the depth of the ductwork distribution (provided terminal devices at the zone level to produce heightened air change rates and only delivered the cooling air required through the central air handling units).
- + Extended utility (Normal), emergency (Vital, Delayed Vital and Conditional), and UPS power from the main hospital to the Don Jail through an underground concrete encased duct bank inserted below the existing building footings.

HOT BUTTONS

MECHANICAL DESIGN

REDEVELOPMENT

HERITAGE

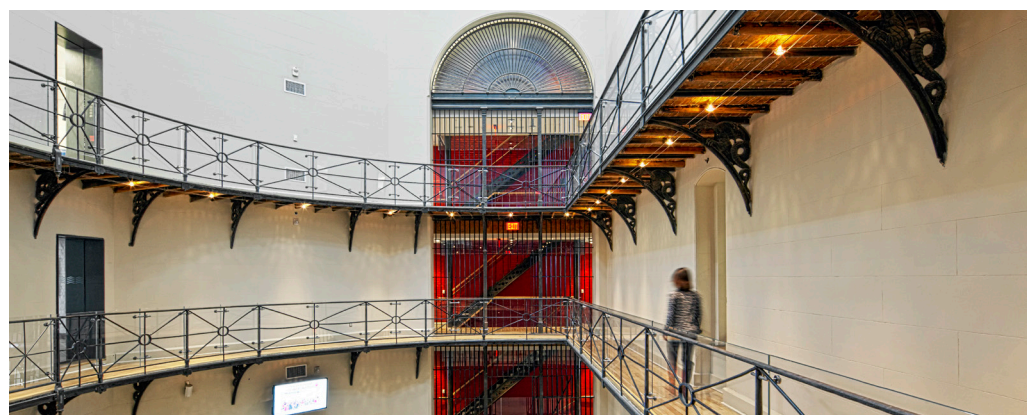
HEALTHCARE

LIGHTING DESIGN

BAS

ELECTRICAL DESIGN

OFFICE SPACE



LOCATION

Toronto, ON

SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical, Lighting,
Communications, Security,
Building Automation Systems

KEY TEAM MEMBERS

Stantec Architecture,
KPMB Architects,
HDR Architecture,
Diamond Schmitt Architects

SIZE

173,030 sq. ft. (16,075 sq. m.)

BUDGET

Confidential

COMPLETION YEAR

2013

AWARDS

William Greer Architectural
Conservation and Craftsmanship -
Award of Excellence (2016)

American Institute of Architects
and Academy of Architecture for
Healthcare Design Awards (2015)

CEO - Award of Merit (2014)

IES Illumination - Award of Merit
Toronto Section (2014)

IES Illumination - International
Award of Merit (2014)

PUG Awards - People's Choice
Award - Best Commercial +
Institutional Building (2014)

PUG Awards - Paul Oberman
Award (2013)

Toronto Construction Association
"Best of the Best" Award (2013)