



PEEL MEMORIAL CENTRE

BRAMPTON, ON



QUICK FACTS

- + Ambulatory Care Facility
- + LEED® Gold
- + DBFM / P3 / AFP
- + 591,000 square feet
- + \$491-million Budget
- + Smith + Andersen Mechanical, Electrical, Data Communications, Safety and Security, Audio-Visual, and Intelligent Integrated Systems
- + Sustainability Services (Footprint)



PHOTO CREDIT: Alina Cornea Architectural Photography



PEEL MEMORIAL CENTRE

ABOUT THIS PROJECT

- + Provides medical outpatient clinics, clinical and administrative support, education and research space, and outpatient mental health programs to the citizens of Brampton.
- + Programs accommodated at the centre include an extended care centre with an ambulatory procedure clinic housing eight surgical suites, a new dialysis unit, diagnostic imaging services, a day surgery facility, chronic disease prevention clinics, seniors' wellness programs, and comprehensive care for women / children / teens.
- + Achieved LEED Gold certification.
- + Three-storey atrium space opens into an entrance plaza through the lobby space to one of several courtyards.
- + Project features a geothermal field, along with heat recovery chillers, condensing boilers, and a very low pressure drop air handling system (using oversized air handlers and oversized ductwork).
- + Chiller plant consists of magnetic bearing chillers and geothermal heat pump chillers (which is used to generate heating water for the building).
- + Geothermal chillers are used to store heat in the ground through the geothermal loops to be used at an appropriate time, as determined by the building automation system.
- + Heating plant consists of condensing hydronic boilers and heat from the geothermal heat pump chillers to feed low-water temperature heating loops.

LOCATION
Brampton, ON

SERVICES PROVIDED
Mechanical, Electrical,
Data Communications,
Safety and Security, Audio-Visual,
Intelligent Integrated Systems
Sustainability Services (Footprint)

KEY TEAM MEMBERS
RTKL Architects Canada,
Diamond Schmitt Architects

SIZE
591,000 sq. ft. (54,906 sq. m.)

BUDGET
\$491 Million

COMPLETION YEAR
2016

SUSTAINABILITY
LEED Gold

AWARDS
ASHRAE Technology Award,
*First Place - Health Care
Facilities Category* (2020)

HOT BUTTONS

HOSPITAL

DBFM / P3 / AFP

NEW BUILDING

LEED GOLD

MECHANICAL DESIGN

ELECTRICAL DESIGN

COMMUNICATIONS

AUDIO-VISUAL



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