

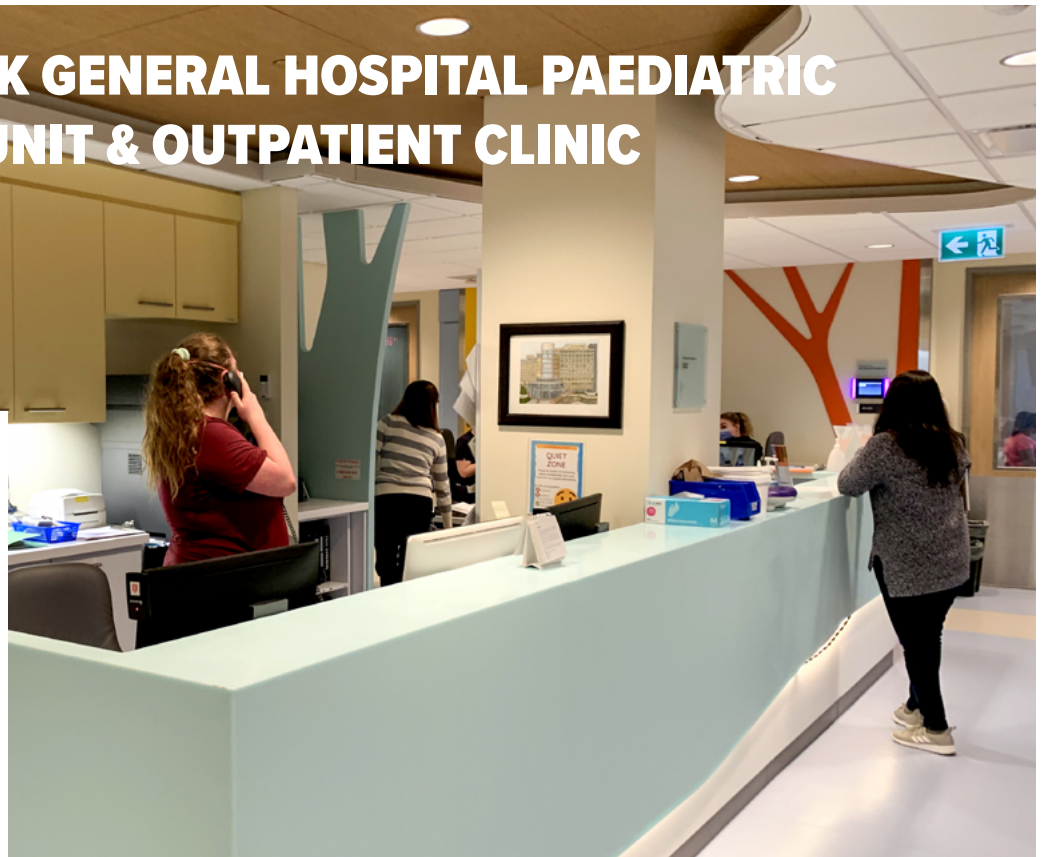


# NORTH YORK GENERAL HOSPITAL PAEDIATRIC INPATIENT UNIT & OUTPATIENT CLINIC

TORONTO, ON

## QUICK FACTS

- + Renovation
- + Paediatric Inpatient Unit & Outpatient Clinic
- + 11,200 square feet
- + \$6-Million Budget
- + Smith + Andersen Mechanical and Electrical





# NORTH YORK GENERAL HOSPITAL PAEDIATRIC INPATIENT UNIT & OUTPATIENT CLINIC

## ABOUT THIS PROJECT

- + Renovation of existing space into a new paediatrics inpatient unit with 14 beds, including one isolation room, and a paediatrics outpatient clinic.
- + Digital Addressable Lighting Interface (DALI) lighting controls are integrated into the existing main Building Automation System network.
- + Each patient room features electrified “switchable” privacy glass.
- + The overhead ductwork distribution system required a high level of co-ordination to fit with electrical and other services in the building’s low ceiling space.
- + An engineered high induction diffuser supply system was specifically designed to cover the cooling load of the west facing floor-to-ceiling windows in the new children and family lounge/staff area.
- + Mechanical features in the isolation room include pressure-independent air volume control and active room pressurization monitoring, fully redundant isolation exhaust fans, and HEPA filtration.
- + To optimize energy use, all lighting was upgraded to LED fixtures, a lighting schedule incorporates input from occupancy/daylight sensors, and corridors feature a day/reduced night-time light level setting.
- + A new LAN room, with dual-source rack-mounted UPS modules, serves the renovated wing housing security and communication racks.

**LOCATION**  
Toronto, ON

**SMITH + ANDERSEN**  
**SERVICES PROVIDED**  
Mechanical, electrical

**KEY TEAM MEMBERS**  
HDR Architecture  
Blackwell Structural Engineers

**SIZE**  
11,200 sq. ft. (1,040 sq. m.)

**BUDGET**  
\$6 Million

**COMPLETION YEAR**  
2021

## HOT BUTTONS

RENOVATIONS

FIT-UP

HEALTHCARE

CLINICS

