

# OUR PROJECTS



SECTOR: INSTITUTIONAL

## RENFREW OPP NEW DETACHMENT

410 O'Brien Rd, Renfrew, ON

### DESCRIPTION:

February 2017 saw the completion of the brand new 16,000 sqft Renfrew OPP Station. The new station replaces two existing OPP facilities and consolidates them into a new modern and energy efficient detachment. The project was a unique partnership between the County of Renfrew and the Ontario Government as they worked together to build this facility. The County was responsible for funding the building shell and the Ontario government is paying for the leasehold improvements which included cell areas, training rooms, fitness center, offices, and community meeting room. Callidus was pleased to partner in the project and looks forward to hearing how the building is working for the OPP and Renfrew community.

### CONSULTING SERVICES:

The mechanical system included six central air handling units, which distributed air to each of the major building zones. The secure detention area featured 100% outdoor air with an energy recovery unit. Hot water heating was supplied to the air handling units, in-floor heating & snow melt, and various unit heaters from a central boiler system. The garage area utilized a hazardous gas monitoring system and associated ventilation. The entire building was controlled by a central building automation system. The mechanical systems were designed to meet the temperature, humidity, ventilation, and control requirements from the OPP Design Guidelines.

The plumbing system included water softening equipment, hands-free plumbing fixtures, a high-efficiency condensing water heater, and hot water re-circulation system. The fire protection system included a fully sprinklered building and pre-action system for the evidence storage vaults and server room.

The electrical system included power distribution, emergency generator to backup the complete building, fire alarm, door control, closed circuit camera system, voice data structured cabling system, lighting and lighting controls system, intercom and monitoring equipment, security and

### DESIGN TEAM:

Project Manager  
Jennifer Stanley, P.Eng.  
Design Team  
Andrew Hall, P.Eng.  
Zam Abdulla, P. Eng.  
Jennifer Stanley, P. Eng.  
Eric Flodrowski, P. Eng.  
Becca Dietrich

### STATUS:

Completed February 2017

### CONSTRUCTION VALUE:

\$6M

panic systems. The systems were designed to the requirements of the OPP Design Standards for all spaces identified in the standard.