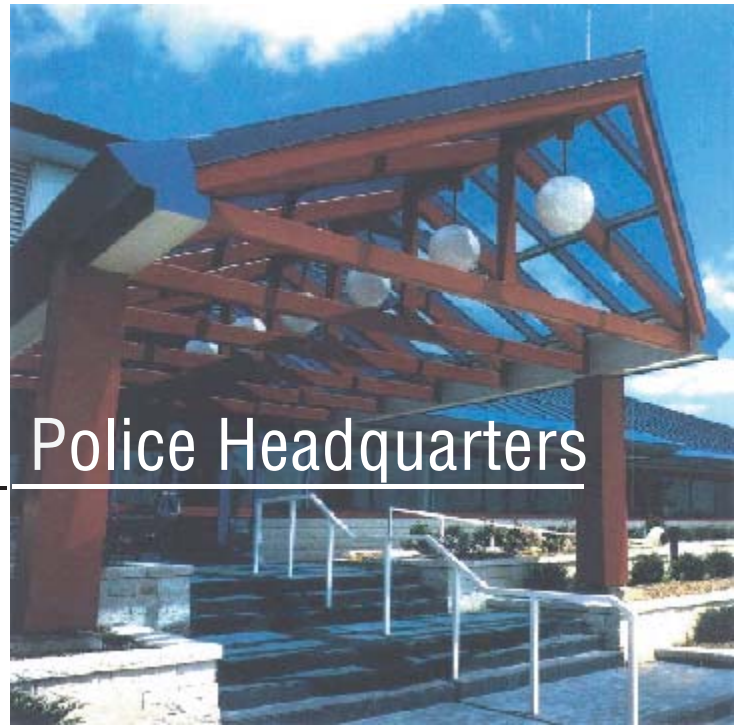


Durham Regional Police Headquarters Oshawa, Ontario



OWNER Regional Municipality of Durham

DESIGN TEAM:

Architect: Rebanks Pepper Littlewood Boyd Architects Inc.
Mechanical Engineer: MCW Consultants Ltd.
Electrical Engineer: MCW Consultants Ltd

PROJECT DESCRIPTION

This facility houses the Durham Regional Police headquarters and central detention facility. General & Special Investigation Services for the region are located here, as well as the communications centre. It is also an operational division. The project comprised of 42,000 square feet of renovation and 12,000 square feet of addition.

The building remained open and fully operational during the entire construction process.



SYSTEMS DESCRIPTION

Mechanical

Mechanical systems include new storm and sanitary connections, an all new sprinkler system throughout new and existing areas, deluge sprinkler system in cell block, vehicle maintenance area exhaust system, a modified heating system to accommodate new heating in the addition, heat reclaim system provided for the locker areas, carbon monoxide controlled exhaust in the vehicle maintenance area, a crawl space ventilation system, dedicated HEPA filter exhaust system from a forensic lab, and a dedicated cooling system for the communications area.

Electrical

Electrical systems include new 2500A 120/208V incoming service from a utility vault-back feeding the existing system, a new 250Kw diesel fueled standby generator, new UPS system feeding initial services in the communication facility, a new fire alarm system, all new lighting throughout the new and existing building, low voltage lighting control on all lighting, all new power distribution throughout the facility, duress alarm system in the security areas, all new CCTV system in video statement rooms and retention areas with monitors and recording at the front desk area and detention area, card access control throughout the facility, and all new site lighting.