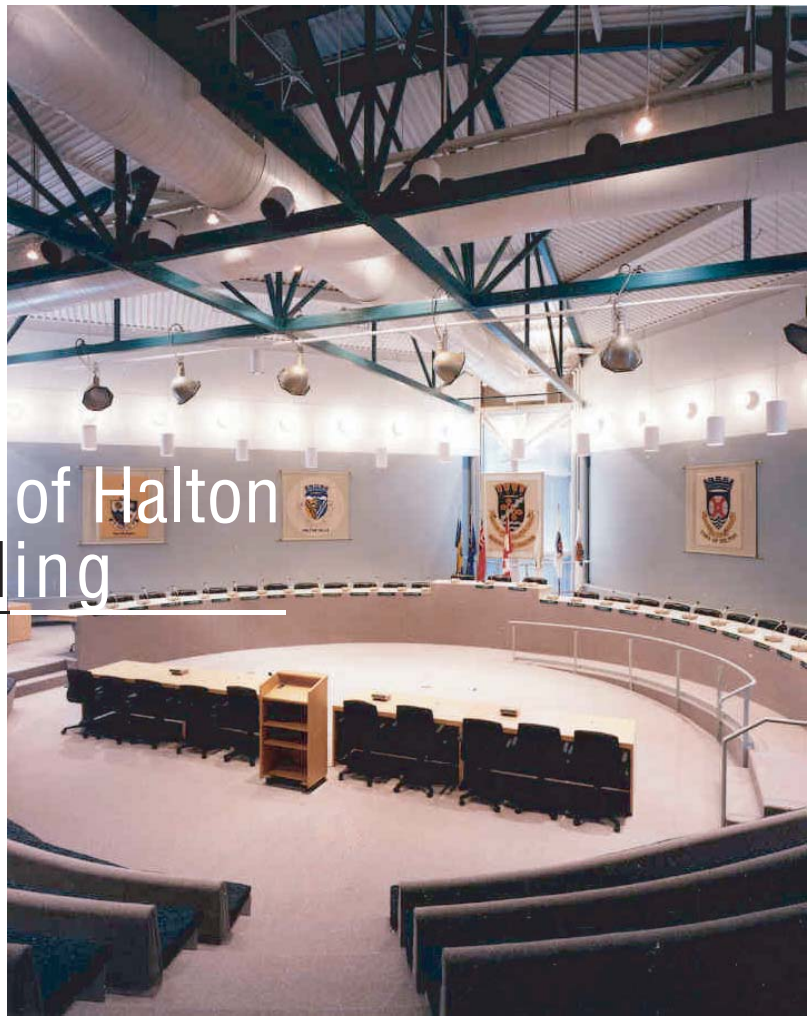


Regional Municipality of Halton Administration Building



OWNER : Regional Municipality of Halton

DESIGN TEAM: Mechanical & Electrical Consultants
MCW Consultants Ltd.

Architect
Dunlop Farrow Architects Inc.

PROJECT DESCRIPTION

A single building with the following occupancies and services:

Halton Region Municipal Offices
Halton Regional Police Headquarters
Medical and Recreational Facilities
Day Care Facilities



SYSTEMS DESCRIPTION

Mechanical

Ventilation: Air supply central system fans, VAV terminals and diffusers.
Cooling: Central centrifugal chillers, cooling towers and pumps.
Heating: Central water tube boilers, perimeter finned convectors and reheat coils. Central boiler, chiller, pumping systems.
Central Air Handling Units for ventilation and cooling with terminals.
Direct Digital Controls.
Perimeter finned convectors on scheduled hot water supply.

Electrical

Oakville Hydro provided dedicated pad mounted transformers for each of the three main building components. Dedicated, metered secondary services were run to the Administration block, the Police Headquarters block and the Shared Facilities Building. Vertical electrical distribution was provided within each block. Two standby diesel fuel generators are located in the Police Building to provide standby power to the entire development. A UPS system is provided with the Police HQ component to support the LAN in this area.