



## RCMP Crime Detection Laboratory Halifax, Nova Scotia

*Total Area* ..... 35,000 ft<sup>2</sup>  
*Construction Cost* ..... \$1,300,000.00  
*Project Completion* ..... 1999  
*Client* ..... Public Works Canada  
*General Contractor* ... Sayers & Associates Ltd.  
*Prime / Mechanical & Electrical Consultants*  
..... F.C. O'Neill, Scriven & Associates Ltd.  
*Architect* ..... S P Dumaresq Architect Ltd.



Lack of adequate control of space conditions including lack of pressure difference control between adjacent spaces, poor air quality, problems with temperature control, and aging outdated equipment prompted this 1.3M rehabilitation and modernization of the laboratory areas on the top floor and the basement of the 35,000 sq. ft. Crime Detection Laboratory for the RCMP located on Oxford Street in Halifax, Nova Scotia.

F.C. O'Neill, Scriven and Associates Ltd. acted as the prime consultant for this project successfully completed in February of 1999.

The project involved the installation of a completely new ventilation and air conditioning system to serve the laboratories on the top floor. Lack of space in the existing penthouse and a very tight time schedule necessitated using a custom

built, packaged air supply unit mounted on the roof adjacent to the existing penthouse. The air distribution system was completely replaced, a constant face velocity control system for the fume hoods was installed along with space pressure temperature and humidity control, all integrated through a DDC control system. Exhaust air stacks extending well above the fresh air intakes solved the problem of re-ingestion of odour and air born contaminants from the exhausts into the building through the fresh air intakes.

All systems including the fume hood control and space pressure and temperature control has been integrated through the buildings DDC control system.

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