

# LA PROMENADE

OTTAWA, ON, CANADA

GOVERNMENT

## PARLIAMENTARY RETROFIT

Built in 1972, La Promenade Building is a 12-storey federal government structure located one block from the Canadian Parliament Buildings. With the capital buildings in the early stages of a dramatic 25-year rehabilitation project, La Promenade was retrofitted to welcome 62 Members of Parliament and provide 3 committee rooms.

## PROJECT DETAILS

At the onset of the project, La Promenade was at the end of its life cycle and required a significant upgrade to its exterior envelope and mechanical and electrical systems in order to meet the Parliamentary mandate. As a result, the building's 12 floors were completely gutted and renovated.

Instead of having on-site boilers and chillers, La Promenade (and all other Parliament buildings) receive chilled water and low-pressure steam from a central boiler plant. The mechanical rooms are outfitted with 9 AHUs with VFDs and humidification control along with approximately 400 VAV boxes. There is also steam to hot water heat exchangers for hydronic heating.

The project had a critical time line and stringent security access requirements, but the main challenge in completing the project was maintaining existing AHU and equipment that serviced street-level retail units throughout construction period. Energy savings will be based on reset schedules, as the BAS allows control based on outdoor air temperature.

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### PROJECT TYPE:

**Retrofit**

### INSTALLATION TYPE:

**CO Monitoring, CO<sub>2</sub> Monitoring, Fan Coil Unit, HVAC, Smoke, VAV**

### TOTAL AREA:

**29,729 m<sup>2</sup> (320,000 ft<sup>2</sup>)**

### EQUIPMENT INSTALLED:

**2 MACH-ProPoint™  
2 MACH-Zone™  
2 MACH-Stat™  
3 MACH-ProCom™  
3 MACH-ProSys™  
6 MACH2X™  
7 MACH2™  
400 MACH-Air™**

### NETWORK:

**EIA-485, Ethernet, LAN**

### TOTAL SYSTEM POINTS:

**2,200 points**

### ENGINEERING CONSULTANT:

**Fox Engineering**

### RELIABLE CONTROLS® DEALER:

**R.E.L. Controls**

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