


MITSUBISHI ELECTRIC
CITY MULTI

Crombie Building London Ontario



Crombie Building London Ontario, one of the many City Multi installation sites in Canada.

This 3 story Government building in the heart of London Ontario is air-conditioned with 3 City Multi PUY-250TM (VRF) variable refrigerant flow condensing units, each serving one of the floors.

24 ducted air handling units create superb comfort with the quietest operation imaginable.

Due to the diverse heat load of the building, the air handling units were selected at 130% the capacity of the outdoor units. This ensures maximum energy savings as the different indoor unit capacities are controlled down to 25% with their linear electronic expansion valves. This allows more refrigerant to be directed to the areas with larger heat loads, and less refrigerant to the areas with lower heat loads.



Air handling units were installed in bulkheads. These photos were taken during installation, and clearly shows the refrigerant piping connecting multiple indoor units to the VRF condensing units on the roof.

Small diameter refrigerant pipes, and the City Multi standard network control system, made the installation quick and easy compared to a chilled water system.

Compact multi split (VRF) direct expansion outdoor units installed on the Crombie building's roof.



The inverter controlled compressor simply adapts its speed and pumping volume to match the heat load in question at different times of the day.

The building's City Multi System is controlled from a MJ 103MTRA central controller.