



The Challenge

During the construction phase, M.A. Bryan Engineering approached O'Dell to design the air-handling unit. We selected a pair of energy recovery ventilators (ERV) to deliver outdoor air to each floor, as per the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)'s Standard 62 ventilation requirements. The ERVs were to be roof-mounted with post-gas heating.

The O'Dell Solution

Working with Bousquet, O'Dell provided a customized air-handling unit. Considering both cost and efficiency, the energy recovery wheel selection delivers efficiencies of 68.2% for thermal and 78.4% for moisture. The unit was supplied with vital controls for both discharge-air temperature and energy recovery-wheel defrosting.

Thirty-one Kingsbury Drive in Kitchener, Ontario, is a shell office building built by Schembri Property Management. The consultancy firm of M.A. Bryan Engineering was retained to complete the job.

This five-storey office block has approximately 60,000 square feet of leasable space.



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