

# AWARD OF EXCELLENCE

## AEROCENTRE V

Location: 5550 & 5570 Explorer Drive  
Owner: HOOPP Realty Inc.  
Consultants: Sweeny Sterling Finlayson & Co Architects Inc.  
Strybos Barron King Landscape Architecture Ltd



### Project Description

The AeroCentre V is located in the "Airport Corporate Centre", an established business community of Mississauga just south of the Pearson International Airport and bordering Highway 401. The new structure is part of a campus style development with five other office buildings established at Explorer Drive and Satellite Drive. The five storey state-of-the-art office space is lifted above a three level parking structure. The environmentally responsible architecture responds to its locality through open transparent gestures, while quality materials, a contemporary colour palette, and sensitive landscaping support the design clarity and architectural excellence. The landscape design uses plant species that are indigenous to the area and drought tolerant, which eliminated landscape irrigation and conserves water.

To receive the most benefit from the building's solar orientation, the design configuration is long and thin. Exterior shades on the south and west facades create a comfortable, indirect day-lit working environment by reducing solar heat gain and sunlight glare. Automatically adjustable interior light shelves also reflect sunlight deep into the office spaces. Indirect, sensor-controlled in-line fixtures supplement natural lighting when and where needed to ensure even lighting for optimal working conditions. To further conserve energy, stairs and service spaces are equipped with occupancy sensor-controlled lighting.

Because of the innovative building systems, AeroCentre V requires less than half of the energy consumed by traditional office buildings in North America. The modest target for this project was initially LEED Silver, but at this time, the design has achieved enough points for a gold submission.

# AWARD OF EXCELLENCE



## Jury Comments

This commercial office infill project is an excellent example of intensification. It sets a benchmark for other sites in Mississauga by demonstrating how infill development can enhance the surrounding fabric and energize existing uses. The design is innovative in integrating above-grade parking decks into the building in a well-considered and effective way, especially on the principal facade. Arrival at the building reveals a number of thoughtful ground floor design elements including generous drop-off areas at the two canopied glass entrances; clear pedestrian links connecting the AeroCentre to the campus office buildings; convenient access to the parking structure; and a well detailed articulation of the building and its elements from the base to the top floor. The orientation and the narrow floor plate allow daylight to penetrate through the building while providing views to the city and adjacent parkland. Both the site design and building construction have incorporated a number of environmental and green building technologies which are in keeping with the City of Mississauga's Strategic Plan.