



RESIDENCES OF COLLEGE PARK

PHASE 2 & AURA

TORONTO, ON

QUICK FACTS

- + Multi-Unit Residential Towers
- + Mixed Use
- + More Than 1.5 Million Square Feet
- + Smith + Andersen Mechanical, Electrical, Communications, and Security



TOP AND LEFT: RESIDENCES OF COLLEGE PARK PHASE 2; RIGHT: AURA (PHASE 3)



RESIDENCES OF COLLEGE PARK PHASE 2 & AURA

ABOUT THIS PROJECT

- + Phased development of 45-storey tower with 563 suites and a separate row of 12 townhouses (Residences of College Park - Phase 2), and an 80-storey tower with 985 suites (Aura at College Park).
- + Aura is the tallest condominium in Canada.
- + Each tower in Residences of College Park - Phase 2 is served by its own central heating and chilled water plant; the mechanical heating and cooling system is two-pipe fan coil.
- + Aura residential units feature high-efficiency heat pumps, central outside-air energy recovery supply to common corridors, and exhaust air fans.
- + Aura residential suites are served by multiple bus duct risers and are individually metered by Toronto Hydro.
- + Due to Aura's size, the fire alarm system was designed to accommodate phased occupancy between the retail podium and the residential tower levels. The two systems, one for the retail podium and one for the residential tower, work together as a complete system.
- + With the large number of people living and working in Aura, the high voltage substation incorporates an automatic transfer scheme to allow the building to continue operating if one of the high voltage lines to the building is compromised.
- + The communications design for Aura includes dedicated high bandwidth cabling infrastructure to each suite.
- + Aura's podium level, consisting of commercial retail, a gym, and multilevel underground parking, features a dedicated pathway system for telecommunications which permits commercial tenants to install their own telecommunications infrastructure and to connect to their preferred ISP.
- + Security services designed for Aura include turnkey security systems, which provide closed circuit television (CCTV) video surveillance, electronic card access control, intrusion detection, and intercoms throughout the facility.

LOCATION

Toronto, ON

SMITH + ANDERSEN SERVICES PROVIDED

Mechanical, Electrical,
Communications, Security

KEY TEAM MEMBERS

Graziani + Corazza Architects

SIZE

Phase 2: 684,500 sq. ft.
(64,000 sq. m.)

Aura: 1,143,150 sq. ft.
(106,202 sq. m.)

BUDGET

Confidential

COMPLETION YEAR

Phase 2: 2006
Aura: 2015

HOT BUTTONS

RESIDENTIAL

HIGH-RISE

SHOPPING CENTRE

PARKING

MECHANICAL DESIGN

ELECTRICAL DESIGN

SECURITY

COMMUNICATIONS