

 **PROJECT PROFILES**



LAKEFIELD COLLEGE – UPLANDS RESIDENCE

LAKEFIELD, ON

Client: Lakefield College

Size/Area: 14,000 square feet (1,300 square metres)

Cost: \$4 million

The new Uplands residence achieved LEED Gold Certification, and set a new standard for residences at Lakefield College, for sustainability and comfort. Each room has individual heating and cooling through a decentralized cassette HVAC system. The building consists of two storeys with two common rooms, four study rooms, fully equipped upper floor kitchen, and capacity for 26 students.

HVAC systems consist of a Daikin VRV system, energy recovery ventilators, hot water heating system, snow melt system, domestic hot water system. Electrical systems consist of a low voltage lighting control system with occupancy sensors and daylight harvesting. The building has full DDC control down to and including the individual spaces.

SERVICES PROVIDED BY CFMS:

- Contract document review
- Commissioning coordination
- Review of mechanical and electrical shop drawings
- Installation review from a commissioning prospective
- Witnessing static and dynamic contractor tests
- Verification of DDC system and BAS
- 100% performance testing of HVAC & lighting control systems
- Co-ordination of mechanical & electrical equipment and systems training
- Development of systems design & re-commissioning manual
- Seasonal performance testing of HVAC systems.

REFERENCE:

LETT Architects Inc.

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