

PROJECT PROFILES



DURHAM COLLEGE / SKILLS TRAINING CENTRE

WHITBY, ON

Client: Durham College

Size/Area: 60,000 square feet (5,574 square metres)

Cost: n/a

The Phase IV Expansion – Skilled Training Centre – at Durham College is designed to significantly increase Durham College’s industrial skilled trades training capacity and create more opportunities to participate in applied research projects to advance innovation and knowledge. Features include: double-height shop lab, classrooms with movable walls and furniture, training labs, student touchdown spaces, fitness centre, a food services facility.

HVAC systems consist of: chilled water plant with chiller, cooling tower and pumps; heating water plant with boilers and pumps; heating glycol system with heat exchangers and pumps; domestic hot water system; variable volume air handling units with humidification serving fan powered boxes and VAV boxes; split AC units; miscellaneous fans and mechanical heaters. The building has full DDC control down to and including the individual spaces. Electrical systems commissioned include: LV lighting controls with occupancy sensors and daylight harvesting.

SERVICES PROVIDED BY CFMS:

- Contract document review
- Preparation of commissioning plan and testing documentation
- Commissioning coordination
- 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:

Durham College

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