

Project Profile

Statistics:

GROSS FLOOR AREA
28,000 m² (301,000 ft²)

CONSTRUCTION COST
Total \$61,000,000
Mechanical \$13,800,000

REFERENCE
Graham Edmunds Cartier / Architects
Mr. Martin Jones
403.283.7796

PROJECT STATUS
Completed 2010



GRAHAM EDMUNDS CARTIER ARCHITECTURE

**BOW VALLEY COLLEGE REDEVELOPMENT
CALGARY, ALBERTA**

The project proceeded as a joint venture mechanically between Emans Smith Andersen and Stantec (Keen Engineering). The project consisted of a total renovation of the existing 26,000 sq. m (280,000 sq. ft.) with the addition of approximately 2,000 sq. m (22,000 sq. ft.). The project included upgrades to classrooms, labs, administration and office areas, kitchen, day care, and bookstore. The previously unsprinklered building was provided with new sprinklers, new upgraded washrooms, new boilers and new roof mounted air conditioning units were added. Existing infrastructure including piping and existing indoor air conditioning units were upgraded and reused where possible.

The final mechanical systems include a variety of central station variable air volume, fan coil units provided with make-up air from new roof mounted equipment and a mixture of existing and new perimeter hot water heating through perimeter radiation, radiant panels and force flow and unit heaters for spot heating at entrances and exists.

The building also featured a partial green roof on one level.