

BATTLE MCCARTHY[©]

Consulting Engineers & Landscape Architects



PROJECT:

York College

CLIENT:

York College/GVA Grimley

ARCHITECTS:

Bond Bryan Architects

BM SERVICES:

Building Services (MEP, Structural Design & Environmental Design)

VALUE:

£50 million (approx)

DESIGN BRIEF

To provide outline planning for a high quality, environmentally sensitive, and world class educational facility. The new York College building consolidates the functions of existing buildings into a single structure on an adjacent, compact site. Design of the four-storey building provides an opportunity to demonstrate sound sustainable, environmental, and structural principles.

DESIGN INITIATIVES/ACTIONS UNDERTAKEN

The York College project offered the opportunity to demonstrate how an educational building can exist and function in a semi-residential suburban environment and meet the highest environmental and low energy standards. The building provides a set of stimulating environmental spaces that provide flexibility and integration with the community and local businesses.

The outline planning design has achieved the following criteria:

- * Substantially daylight building and naturally ventilated building, incorporating a large central atrium.
- * Mixed mode ventilation system that will provide comfortable conditions throughout the year.
- * Low energy and maintenance cost system.
- * Potential for incorporating renewable energy collection systems.
- * Borehole water system for cooling and water supply.
- * Creation of an intelligent facade system that incorporates natural ventilation and night cooling systems.
- * Efficient structural grid allowing for future expansion and efficient use of space.

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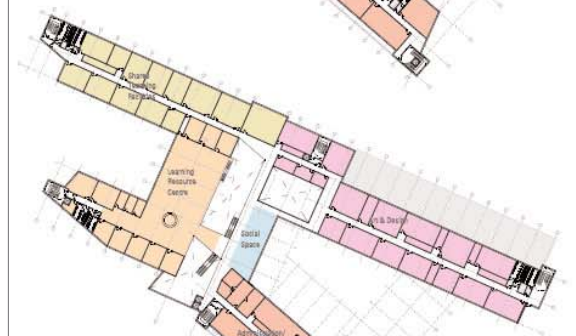
Site Plan



Third Floor Plan



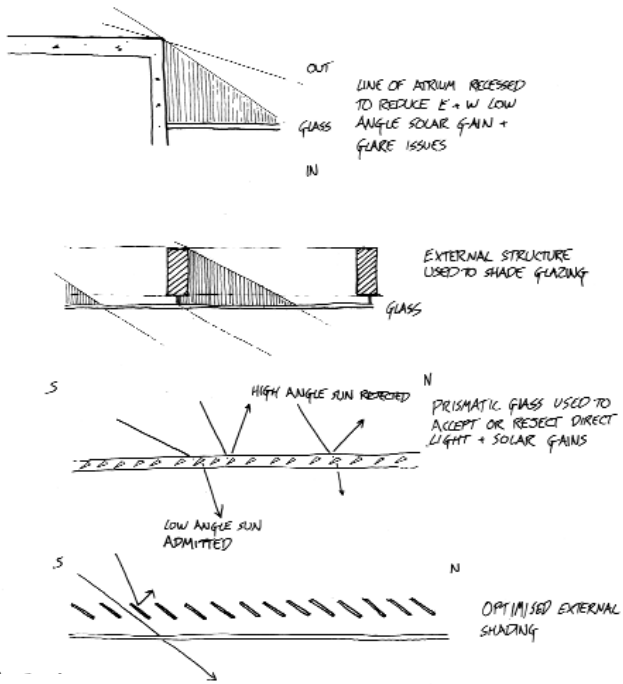
Second Floor Plan



First Floor Plan



Ground Floor Plan



Atrium Roof Ideas