

PROJECT:

Eveline Lowe

CLIENT:

The Education Department of South Hall

ARCHITECTS:

Architype

BM SERVICES:

Environmental & MEP Engineering
and Building Services Design

VALUE:

£3.8million (approx)

DESIGN BRIEF

Eveline Lowe School is conceived as a landmark sustainable building. It is intended to offer a high quality, low energy, and low environmental impact building, which will create a blue print for sustainable community buildings.

DESIGN INITIATIVES/ACTIONS UNDERTAKEN

This building is to be designed in response to major global issues and takes into account the local climatic conditions in London in order to reduce the environmental impact of the various engineering elements of the building during construction, installation, and operation.

This requires the sensible selection of the building materials and particular construction techniques as well as careful consideration of the orientation of the spaces to maximise natural light, solar energy and the winds, which should be harnessed and harvested to the full. At the same time, the proper use of control and heat-insulation systems should minimise the length of operation of the heating, cooling and lighting systems, without sacrificing the visual, thermal, and acoustic comfort of the users of the building.

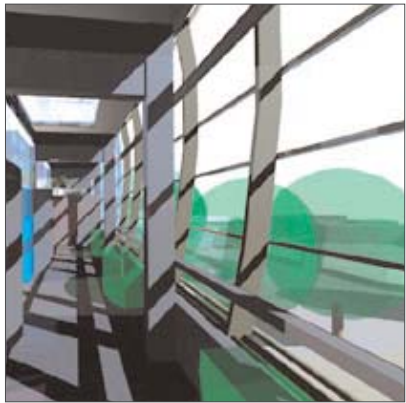
The new development of Eveline Lowe School will provide a new extended facility on a site where an existing school operates.

The new facility will be enhanced by innovative architectural design and by attention to the following key sustainable objectives:

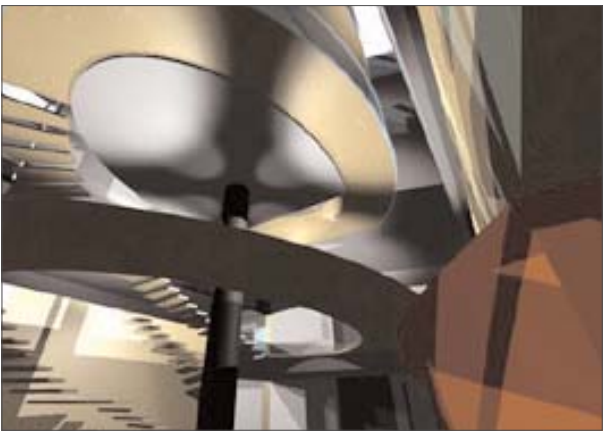
- High quality, robust equipment and fittings with low capital costs and reduced maintenance cost
- Good internal environment making best use of naturally occurring lighting and air movement throughout the year.
- Low running costs
- Simple and quick to construct
- Efficient use and re-use of water resource
- A high degree of internal space flexibility
- The use, if feasible, of renewable energy



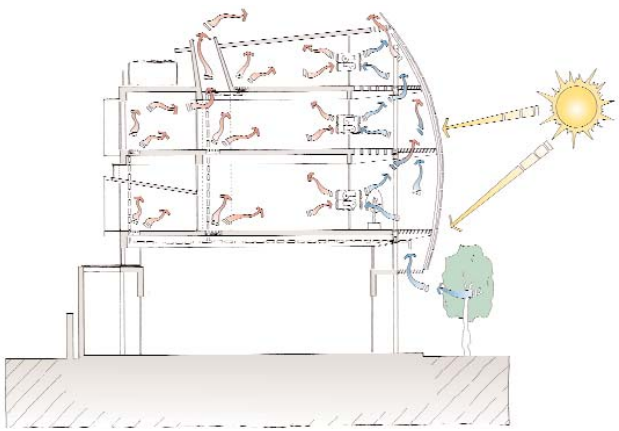
CAD Perspective



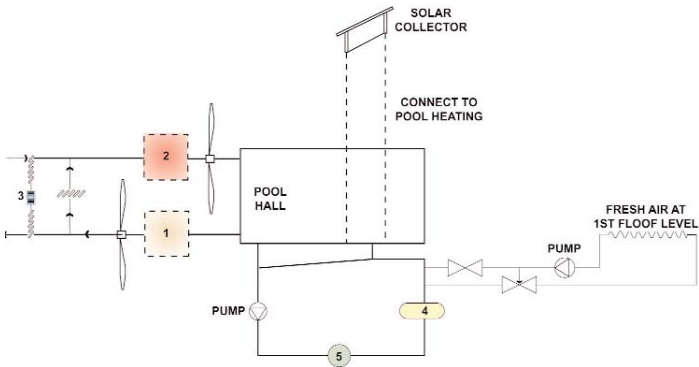
Teacher Terrace Mall



Atrium



Atrium Mall



Heating Schematic



Plans



Cross Section