



## Wooldale Centre for Learning

Year of Completion: 2004

Main Contractor/Customer: Kajima Construction

The structure consists of a series of tubular steel arches supporting a tensioned PTFE-coated glass-fibre fabric canopy covering the open-air street area between the Drama Hall and the adjacent buildings. Curved in plan, the canopy has an overall length of approximately 90m and a width of approximately 9m, and is formed by a series of 19 triangular panels.

The cross section of the canopy is quirkily asymmetric with the high side of the canopy, the Drama Hall, with a 5m difference between the high and low sides. Rain water falling onto the canopy runs off onto the adjacent roofs and into the rainwater disposal system for those roofs.

Our usual installation methods could not be used in this space as our plant and equipment was too heavy to be used in the area directly below the canopy. As a result, a large crane, situated nearby on a sturdier piece of ground had to be utilized in order to install the PTFE panels.

The adjacent roofing areas also posed installation complications constructed from Calzip, the site management team was particularly concerned that it could be easily damaged and difficult to repair Architen Landrell installed boarding across the roofing area to ensure that this vulnerable surface was protected.

**Location:**

Northampton, UK

**Category:**

Exterior

**Market Sector:**

Education

**Scope Of Works:**

Design  
Engineering  
Manufacture  
Project Management  
Install  
Steelwork

**Fabric Type:**

PTFE - Solid

**Design Style:**

Barrel Vault

**Function:**

Weather Protection  
Sculptural/Decorative  
Walkway Canopy