

PROJECT: AERONAUTICAL ENGINEERING FACULTY, CITY OF BRISTOL COLLEGE, FILTON, BRISTOL
SERVICE: COMMERCIAL AND INDUSTRIAL BUILDING



Project Summary

Client : City of Bristol College
Value : £780,000
Role: Design & Build Main Contractor

Tercon developed the scheme from concept in conjunction with the client and our own appointed design team. The staged process included obtaining planning permission for the project and extensive user group consultation to ensure that the final project met the varied needs of the users as well as the college property team.

The building had to accommodate a small hangar for 2 teaching aircraft, ground floor workshop rooms for engineering crafts and first floor lecture rooms. Also required were administration offices and welfare facilities.

With noisy and quiet spaces required in the same building acoustic control was a priority and the internal partitions and first floor construction were designed and constructed accordingly with acoustic consultancy involvement.

Key Elements of work

- Site preparation included the diversion of an existing main public sewer that crossed the site. All works had to be accessed through an active college facility.
- Steel portal frame construction on pad foundations with ground bearing floor slabs. Elevations were part profiled insulated steel cladding and part masonry. A deep eaves overhang, glazed half height stairwell and canopy added to the building features.
- First floor of concrete plank construction with a cement screed topping, the suspended ceiling below was constructed to achieve a high acoustic insulation against the ground floor mechanical craft workshops.
- A separate small building was also constructed to house a model wind tunnel test facility.
- The building services requirements include a disabled person lift, access control, sprinkler system and compressed air system for the workshop.

