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## Sixth Form Centre, King Edward VI Grammar School, Chelmsford.



Works comprised of the construction of a three storey extension within the courtyard area of the existing school together with the remodelling of existing school areas. The new sixth form centre extension provided approximately 870m<sup>2</sup> of additional floor area to form social lounge/dining areas, an IT floor, staff office areas, a new library and classrooms. The remodelling works provided the school with new administration areas including a 1<sup>st</sup> Aid room, a new Data communication HUB room, basement storage areas and a new school main entrance & reception.

Construction details incorporated piling, ground beams, steel frame, pre-cast concrete planks to 1<sup>st</sup> & 2<sup>nd</sup> floors and glu-lam beams which supported the slate covered roof structure. The walls were built using traditional cavity masonry with some terracotta rain screen cladding & Velfac structural glazing.

The works involved full mechanical & electrical installations with underfloor heating and air conditioning balanced with a full Passivent natural ventilation system all controlled by a building management system.

The project was successfully completed within time and budget whilst the school remained in use. This was complicated by the contract's requirement of multiple interfaces within the existing building. The school has publically praised our management of the overall process which involved in depth pre-planning to ensure the safety of the school staff and children whilst maintaining the project's programme.

### Client

King Edward VI Grammar School.

### Architect

John Finch Partnership

### Structural Engineers

Springfields Engineering Consultants

### Mechanical and Electrical Consultant

Peter Sharp Associates

### Contract Details

Value: £1.8M Period: 60 weeks

JCT, Intermediate Building Contract (2005)

With Contractors Design Rev 1

Constructed: 2009