

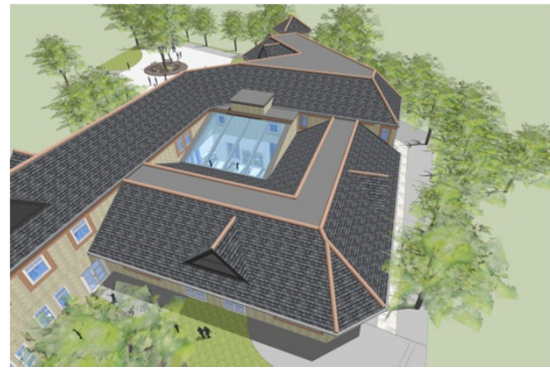
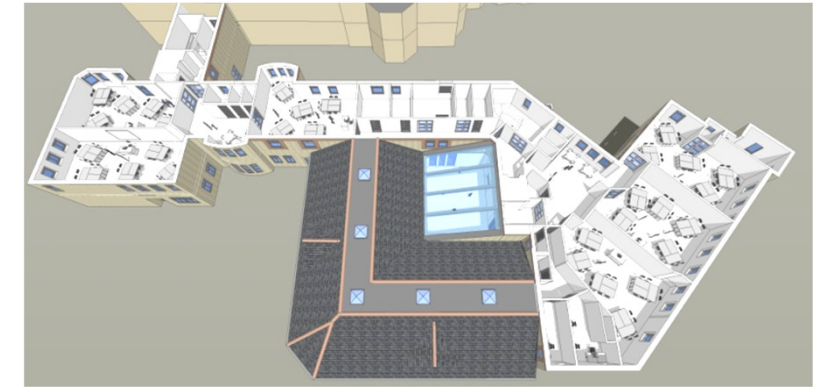
St MARY'S C of E PRIMARY SCHOOL, TWICKENHAM

Description of the Project

A three form entry primary school for two school year groups; years 2 & 3 (180 Pupils).

The site contains a complex of building which includes a late 18th century house, Amyand House, which is Grade II listed. The new school will be accommodated within an existing building formerly known as the St Johns Hospital.

The accommodation comprises of: 6no. Infant Classbases (approximately 60m² each), a SEG Unit, Food/Science/DT facilities, ICT Suite, Main Hall (180m²), Studio (70m²), Library, SEN facilities, Admin facilities and ancillary accommodation.



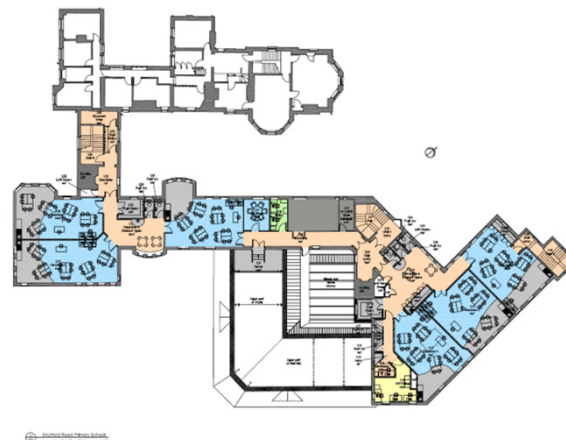
Building Facts

- ✓ The BREEAM (Building Research Establishment Environmental Assessment Method) rating for the building is targeting to achieve 'Very Good' circa 58%.
- ✓ The building has been designed to maximise natural daylight and ventilation to reduce the carbon emissions. The proposals are extremely environmentally friendly as the new school will be accommodated within an existing building.
- ✓ The construction is anticipated to cost £1,422/m²
- ✓ The Building Services (M&E) is anticipated to cost £551/m²
- ✓ External works are expected to cost £155/m²
- The Gross floor area is 1,686m²
- The Total Site Area is 3081.5m²
- Classroom, Office and SEN areas measure a total of 599.6m²
- The Area of circulation is 242.7m²
- The total area of storage is 108.7m²
- ✓ 19.8% of the building can be used for community education (inc ancillary accommodation)
- ✓ The annual water consumption is 5.59m³/person.
- ✓ The predicted electrical consumption 44.0 kWh/m² (incl. equipment), 20.0 (excl. equipment)
- ✓ The predicted renewable energy generation 4.7 kWh/m²; 4.8% of total (incl. equipment), 6.3% of total (excl. equipment)
- ✓ The predicted fossil fuel (natural gas) consumption 54.9kWh/m²
- ✓ The predicted total energy consumption 98.9 kWh/m² (incl. equipment), 74.9kWh/m² (excl. equipment)
- ✓ A site Waste Management scheme is in place for the construction to recycle and reuse construction and demolition waste.

Ground Floor



First Floor



Achievements

- ✓ Design Programme on Time
- ✓ Design within Project Budget
- ✓ Design Met Project Brief
- ✓ Highly Sustainable Development using Retained Building
- ✓ High Design Quality
- ✓ Innovative Solutions
- ✓ Economical Construction Cost Per / M2