

# ST EDMUNDS CATHOLIC PRIMARY SCHOOL, NEW SEN BLOCK



This project comprised of the construction of a new SEN block for an existing school.

The superstructure was erected in a timber frame using SIPS panels, with a number of glulam beams and 3no exposed angled steel beams. All internal walls were constructed in timber.

The lower section of the roof was built in loose lay rafters and joists forming a 10 and 15 degree angle, forming a warm deck single ply boulder roof with standing seams.

The higher mono pitch roofs were formed with loose lay rafters split into two sections fixed to a timber plate over the exposed steel beam. The external walls were clad in cedar shingles to match the mono-pitch roofs.

Internally the building comprised of 3no classrooms all colour coded to the associated group rooms. The classrooms were fitted out with bespoke fitted furniture such as benching, window seats and pigeonholes.





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The mechanical works included a hybrid ventilation system known as breathing buildings. The building uses AC to heat and cool the building which is fed from an air source heat pump, which is controlled via a BMS system.

Externally we formed a raised decking terrace with decked steps down to the school field.

We faced many challenges along the way, one being the service routes throughout the building, due to low or no void space. The site was situated at the back of a school in the centre of Bury St Edmunds, the only access was through an already overly occupied school car park which was shared with the church next door. We had 3 hours a day in which deliveries could be made. With strict planning and communication these challenges were successful overcome.

**CLIENT** The Roman Catholic Diocese

**ARCHITECT** Hoopers Architect

**VALUE** £1m

**PERIOD** 36 weeks

**COMPLETED** April 2022

