

New Sports Centre - Kelvin Hall School, Hull



Project:
New Sports Centre
Location:
Hull
Client:
Kelvin Hall School
Consulting Engineer:
Alan Wood & Partners
Architect:
Morgan Lloyd Jones
Project Value:
£1 million



Description:

The project consists of a new sports facility for both the school and the general public to use, with an external multi use games area, sports hall, changing facilities, reception and viewing areas.

The original structure was designed by the local authority but when costed it proved to be expensive to construct. Alan Wood & Partners were asked to view the plans which we value engineered bringing the cost within budget so that the project could proceed.

We were responsible for the design of the pad foundations and strip footings for the sports hall. In addition our design responsibilities included the ground floor slab, external lintels and first floor joists.

External wind loadings were also supplied by Alan Wood & Partners to allow the steelwork suppliers to design the stepped propped portal frame structure for the building. Reinforcing to the external walls to cope with the wind loadings was also part of our design brief.