

Cheadle Hulme School, Sports Pavilion



SECTOR

Education

BOOTH KING ROLE

Civil and Structural Engineering

CLIENT

Cheadle Hulme School

TEAM

Architect – Pozzoni

LOCATION

Cheadle

COST

£1.8M

PROJECT COMPLETION

November 2016

Project Description

The Cheadle Hulme School Sports Pavilion is in a beautiful location looking over the school's playing fields. The building responds to its setting with a simple yet dynamic design. The pavilion has dual functions as a sports hall and changing facility. The building is a simple yet dynamic shape with a curved roof bringing a little drama to the classic pavilion, and very fitting in its context.

Key Facts

Our structural design provides an elegant curved steel frame supported on simple pad foundations. The upper floors are 150mm thick composite concrete on a metal deck. The roof structure consists of steel rafters that support cold rolled purlins that support an insulated trapezoidal metal roof panels. To accommodate the architectural layout of the building stability is achieved by the use of braced steel bays within the plane of the roof and vertical braced bays provided at discrete locations on the building perimeter.

