

Caudwell International
Children's Centre
Keele, UK

Project Data Sheet

NOVUM



Specifications

Project: Caudwell International Children's Centre
Application: Facade
Location: Keele, UK
Size: 11,570 ft² / 1,075 m²
Architect: C4 Projects

Novum Systems

Structural

AES, BK

The structure utilises Novum's BK system steelwork, comprising of RHS members with extruded nodal connections. The use of the BK system enabled the 22 degree sloping facade to be manufactured and installed as a fully bolted structure. The hidden connections to the fine tolerances achieve the final complex geometry. The steel is galvanised with a two coat paint system, giving a high quality architectural finish.

Glazing

ECT:

Novum's ECT structural glazing system was selected to provide a totally flush external glass aesthetic with no visible external fixings or plates. The sloping facade is made up of laminated glass to both outer and inner panes to ensure safety in case of breakage. Areas of ceramic screen print were provided on the glass to obscure the internal structure when viewed from the outside.



Design Solution

Novum worked closely alongside architect and project management firm C4 Projects on the £18m new therapy and research centre in Staffordshire hoping to push the boundaries of what truly accessible design means. The beautiful exterior façade of the building inclines at 22 degrees and curves around the entirety of the centre. Novum was able to offer several geometries of glazing to maintain the curved aesthetic whilst achieving an efficient solution utilising our BK and ECT systems.

