

Case Study: John Roan School, London

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Photos: John McAslan + Partners / Hufton+Crow

Kawneer glazing systems feature on a new build and refurbished secondary school

Key elements from the Kawneer glazing systems portfolio feature on the new-build and refurbishment aspects of the £29million redevelopment of the John Roan School in the Royal London Borough of Greenwich. The building has received a RIBA London Award for architectural excellence.

Building: John Roan School

Location: London

Architect: John McAslan + Partners

Main Contractor: Wates Construction

Installer: Leay

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Kawneer systems meet the need for new and old

Kawneer's 50mm wide AA®100 zone-drained horizontally-capped and mullion-drained structurally glazed curtain walling, AA®543 tiltturn windows, and medium-duty swing and series 190 heavy-duty welded doors were installed by approved specialist sub-contractor Leay on the John Roan School.

Funded by the BSF (Building Schools for the Future) programme, the existing John Roan School of 1,400 pupils was extended to 12,700m² across a split-site campus comprising the Westcombe Park new-build and Maze Hill refurbishment.

The Westcombe Park building totals a 7,600m² flexible, transformational learning environment for the middle years 9, 10 and 11. Accommodation includes a sports and amenity building which can be operated independently for the community.

Generally arranged over three storeys, a large, double-height entrance area connects the main education block and sports block. This level also accommodates classrooms, a central dining space at the heart of the school, design and technology labs, music and drama rooms, offices, drama and activities studios and DSP facilities.

The area between the two parallel flights of main stairs in the entrance foyer features stepped seating for informal gatherings, break-out and performance.

The first floor provides further classrooms at the perimeter, open-plan ICT break-out areas at either end of an atrium void, staff bases, sports hall and changing facilities. Science labs, prep room and classrooms are located on the second floor alongside an open learning resource centre, other staff and office accommodation, and a winter garden.

Also designed by architects John McAslan + Partners, the £8.6million refurbishment of the Maze Hill building proved more complex, it being a Grade II listed Victorian building within a Conservation Area and the Greenwich Park World Heritage Site. There were also a number of listed items within the two-storey building, including a staircase, ornate stonework and a clock tower.

Work to the solid brick construction originally built in 1927 required sensitive restoration work in addition to sympathetic extension plans. Original Crittal windows and face brick required a full overhaul and new materials were selected in conjunction with the client's key satisfaction criteria, Grade II listing requirements, and the cost budget.

Other works included demolition of the rear elevation and courtyard areas of the main building, rebuilding of the rear elevations and refurbishment of all other areas, including covering one courtyard with an ETFE roof.

This project also involved the integration of new doors and windows into the existing building as well as the upgrading of existing hard and soft landscaping areas.

Throughout the works the existing school remained in operation, requiring work-around solutions for peak school term periods such as GCSE and A-level exams. Works by main contractor Wates Construction were divided into six phases to allow the school to function continuously.



Please contact our Architectural Services Team if you have a project you would like to discuss: Tel: 01928 502604 / Email: kawneerAST@arconic.com

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