

Harrop Fold High School and Buile Hill High School, Salford



Challenge

As part of the Government's Building Schools for the Future (BSF) scheme, funding was approved for a £50.23 million project to rebuild Harrop Fold and Buile Hill High Schools. The project was part of Salford's strategy to raise attainment and achieve inclusion at Key Stages 3 and 4 for the most deprived areas of the city. One of Salford City Council's key objectives was to create schools of the right size, stability and capacity for innovation and excellence.

Both schools have been built to create spaces that encourage the development of educational achievement and a sense of school community.

Working with Golder Associates and Morgan Ashurst, both working on behalf of Salford City Council, Marshalls was asked to provide a suite of hard landscaping products for the schools which included canopies, cycle shelters, bollards, paving and drainage.



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Solution

As part of the overall design, the Architect created a seating area in between two of the buildings using canopies and new hard landscaping to define the area as outdoor classrooms and to act as a covered social space which could be used at break time. The area, similar on both sites, featured a central paved section with seating, surrounded by a planted border.

Marshalls Urban Structures were asked to design, manufacture and supply a shelter solution which would enable the use of this outdoor space, even during wet weather. After discussion with the architect and contractor, Marshalls' design team began to look at which product would fit in best with the surrounding environment. The key design criteria was to create a robust, durable canopy that fitted in with the modern buildings.

The Portico canopy was suggested as a suitable product due to its modern design and excellent durability. The canopy was designed with a square roof section which mirrored the paving design which featured two quadrilaterals.

The final design featured six vertical supports connecting to one of three parallel, horizontal CHS. These bolt to a Mono pitch box section roof and framework via a spigot joint. The framework is manufactured from structural grade mild steel and has been coated with a zinc rich primer and polyester powder coating in Synthapulvin. Cladding is from 8mm thick clear PET. Two canopies were supplied to each site.

Commenting on the canopies, Angus Marrison from Golder Associates said "We are very pleased with the finished product and the canopies create a real 'wow' factor between the wings of the buildings, while also providing a functional use."

To compliment the new canopies, Marshalls' Saxon Concrete Paving in Natural with Tegula Kerb in Pennant Grey was used to create a cohesive look. Marshalls' experts ensured a seamless installation process which helped to ensure the completed area was finished to a high standard.

To the front of the schools, Marshalls also supplied Tegula Cobbles Block Paving in Traditional and Pennant Grey and Rhino RB111 Bollards with yellow hazard banding. Birco 100 and 150 Grid Drainage Systems were installed to provide a high quality linear drainage system combining robust concrete channels with grates to suit loading applications. Birco Linear Drainage intercepts, stores and transports surface water in a cost-effective and efficient way.

Marshalls Urban Structures also supplied three A Series cycle shelters and 13 R10 cycle racks. This enabled the school to meet a requirement to supply cycle parking for 10% of their overall student population.

Benefits

The overall package of Marshalls products supplied has allowed both schools to achieve their objective of 'creating spaces that encourage the development of educational achievement and a sense of school community'.

The use of cycle shelters also promotes sustainable travel and encourages students to lead an active lifestyle, further improving their health and well-being. The shared space created will encourage pupils to sit and play together whilst sheltering from the weather.

The hard landscaping solution offered by Marshalls paving and block paving will ensure the school has a robust playground, whilst Marshalls' drainage products will carry excess water away from site to leave a clean and safe area.

Client:

Salford City Council

Contractor:

Morgan Ashurst

Designers:

Foster + Partners

Architect:

Golder Associates

Marshalls Product Used:

- Saxon Natural Concrete Paving
- Flat top edging natural
- Tegula Kerb - Pennant Grey
- Tegula Block Paving - Traditional
- Birco 100 and 150 Grid Drainage System
- RB111 Bollards
- A Series Cycle Shelter and R10 Cycle racks
- Portico Canopies

Specialists Involved:

